

Quarterly Report, Second Quarter 2020

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

Prepared for:

The Boeing CompanySeattle, Washington



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Prepared for:

The Boeing Company Seattle, Washington

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Wood Environment & Infrastructure Solutions, Inc.



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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 second quarter 2020 (Figure 1). This work is required under the Resource Conservation and Recovery Act (RCRA) Corrective Action Program being performed at the Facility. Corrective action activities are performed for those solid waste management units (SWMUs), areas of concern (AOCs), and other areas where cleanup actions are ongoing. Monitoring, cleanup activities, and reporting are being conducted as part of the final remedy implementation described in the Engineering Design Report (EDR) (AMEC, 2014). The following reports detail site activities:

- The original plan presented in Appendix D of the EDR (AMEC, 2014) was superseded by the Compliance Monitoring Plan (CMP) (Amec Foster Wheeler, 2016a), and was revised in the Addendum to the CMP (CMP Addendum #1) (Amec Foster Wheeler, 2017).
- The current groundwater monitoring program is detailed in CMP Addendum #1 (Amec Foster Wheeler, 2017), and contains changes to the CMP.
- The second Addendum to the CMP (CMP Addendum #2) (Wood, 2019) was approved by the Washington State Department of Ecology (Ecology) to remove areas of sampling from the program.
- Boeing submitted a third Addendum to the CMP (CMP Addendum #3) to Ecology on June 30, 2020 (CALIBRE, 2020). This addendum contains recommendations for further modifications to the groundwater monitoring program at the Facility and was approved by Ecology in July 2020.

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

- SWMU-168: (monitored natural attenuation [MNA]);
- SWMU-172 and SWMU-174: (bioremediation, soil vapor extraction [SVE] and monitored attenuation [MA]);
- Building 4-78/79 SWMU/AOC Group: (bioremediation and MA; SVE was decommissioned);
- 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 Ecology; these two areas are not addressed explicitly in the CMP (Amec Foster Wheeler, 2016a) but are being addressed per Ecology's December 30, 2015, email to Boeing with comments on the CMP Addendum #1 (Amec Foster Wheeler, 2017). Monitoring for Apron A is also included, as semiannual monitoring began in this area starting in the fourth quarter 2016, as 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 in this report for each SWMU and AOC. Discussions of the protection of groundwater for drinking water beneficial uses compare concentrations of COCs to both the current site specific cleanup levels (CULs) specified in the CAP (which were based primarily on drinking water and protection of surface water beneficial uses) and to proposed updated CULs from the CALIBRE Systems, Inc. (CALIBRE) December 17, 2019, technical memorandum (CALIBRE, 2019a), which proposed revised CULs based on Model Toxics Control Act (MTCA) criteria for potable water that are demonstrated to be protective of other exposure pathways and promulgated criteria. Ecology has made several clarifications and changes to MTCA since the draft CAP was prepared that are relevant to Facility CULs. These proposed revised CULs are referenced herein as *proposed* CULs, while the CULs specified in the CAP are referenced as *current* CULs.

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 of the current CULs at the CPOCs.

This report presents this information for the second quarter 2020, the period from April through June 2020.

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 second quarter 2020

The following work was completed during the second quarter 2020, the period from April through June 2020:

- Groundwater monitoring for the second quarter 2020 was completed during May 2020.
- On behalf of Boeing, Wood submitted the first guarter 2020 report to Ecology on May 15, 2020.
- Recommendations for revisions to the compliance monitoring program was submitted on June 30, 2020.

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. Modifications proposed in CMP Addendum #3 (CALIBRE, 2020), and approved by Ecology, will be incorporated in the next sampling event.

1.1.4 Schedule revisions

There were no significant revisions to the schedule for this reporting period. Approval of modifications proposed in CMP Addendum #3 (CALIBRE, 2020) included a change from both quarterly and semi-annual sampling to a sitewide semi-annual program with future sampling to occur during the wet and dry seasons, which will occur in February and August. This schedule is detailed in CMP Addendum #3 and is reproduced as Table 1 in this report. This revised sampling schedule will begin in August 2020.

1.1.5 Work projected for the next quarter

The following work is projected for the 2020 dry season event:

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

2.0 Groundwater sampling methodology

Groundwater was sampled and analyzed as described in Appendix A. These procedures are in accordance with the methods specified in the CMP (Amec Foster Wheeler, 2016a) and CMP Addendum #1 (Amec Foster Wheeler, 2017). Table A-1 summarizes the current groundwater monitoring program and constituents of concern (COCs) specified in the CAP and revised in the CMP Addendum #1 (Amec Foster Wheeler, 2017) 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 second quarter 2020. Operation of the SVE system at SWMU-172/174 continued during the second quarter, as discussed in Section 3.2.1.2. Quarterly compliance monitoring was conducted in accordance with the CMP (Amec Foster Wheeler, 2016a) and CMP Addendum #1 (Amec Foster Wheeler, 2017).

3.1 SWMU-168

SWMU-168 is monitored semiannually during the first and third quarters; therefore, no monitoring was conducted for this area during the second quarter 2020.

3.2 SWMU-172 and SWMU-174

This section describes corrective action activities conducted at these two SWMUs. The cleanup remedy for SWMU-172 and SWMU-174 is a combination of bioremediation, SVE, and MA. Figure 2 shows the layout of the groundwater monitoring wells and the remediation system for these SWMUs.

3.2.1 Cleanup action activities

3.2.1.1 Installation/construction activities

No installation/construction activities were conducted for these SWMUs during the second quarter.

3.2.1.2 Soil vapor extraction and bioremediation operations

The SVE system at SWMU-172 and SWMU-174 was shut down on March 13, 2020, due to stay-at-home orders during the COVID-19 pandemic. The system was restarted on May 19, 2020. These events are recorded in Figures 3, 4, and 5. Details for system operations are included in the SVE operations and monitoring summary prepared by CALIBRE and included as Appendix E.

3.2.2 Compliance monitoring plan deviations

No deviations from the CMP occurred for this area during the second quarter.

3.2.3 Water levels

Groundwater elevations for the SWMU-172 and SWMU-174 area measured during the second quarter 2020 are summarized in Table 2 and shown on Figure 2. The contoured water level elevation data for May 2020 show that groundwater generally flows northeast from SWMU-172 and SWMU-174 toward the Cedar River Waterway, with an approximate hydraulic gradient of 0.011 feet per foot.



3.2.4 Groundwater monitoring results

Groundwater in this area is monitored following the schedules presented in Tables A-1 and A-2 in Appendix A. Results for primary geochemical indicators are presented in Table 3; results for the SWMU-172 and SWMU-174 area COCs are presented in Table 4.

3.2.4.1 Monitored attenuation/geochemical indicators

The geochemical indicator results are presented in Table 3. Total organic carbon (TOC) concentrations ranged from 1.82 milligrams per liter (mg/L) to 8.30 mg/L for all SWMU-172 and SWMU-174 monitoring wells. The pH measurements for all SWMU-172 and SWMU-174 monitoring wells are near neutral. The other natural attenuation parameter results indicate that geochemical conditions were generally uniform; the oxidation/reduction potential (ORP) results during this event vary greatly across the unit.

3.2.4.2 COC results for source and downgradient plume areas

Table 4 lists second quarter 2020 analytical results for the SWMU-172 and SWMU-174 COCs. Figures 3 and 4 show historical trend plots for tetrachloroethene (PCE), trichloroethene (TCE), vinyl chloride (VC), and cis 1,2 dichloroethene (cis-1,2-DCE) in source area wells GW152S and GW153S, and in downgradient plume area wells GW172S and GW173S. Flow generally moves from the vicinity of source area well GW152S to downgradient plume area well GW172S, and from source area well GW153S to downgradient plume area well GW173S. PCE and TCE are the chlorinated solvents that were used at the Facility, and cis-1,2-DCE and VC are breakdown products resulting from biodegradation processes.

As shown in Table 4, cis-1,2-DCE, TCE, PCE, and VC concentrations exceeded the *current* CPOC CULs in the groundwater from both source area and downgradient plume area wells. As shown in Figures 3 and 4, the concentrations of COCs in groundwater from source area wells GW152S and GW153S and downgradient plume area wells GW172S and GW173S generally remained stable or decreased. All cis-1,2-DCE, TCE, and PCE concentrations in groundwater from the source area and downgradient plume area wells meet the MTCA criteria for potable water supply (and the *proposed* CULs); VC remains above the potable water criteria in GW153S at 0.266 micrograms per liter (µg/L) and GW172S at 0.369 µg/L.

Arsenic was detected above the *current* CUL in the groundwater from all source area and downgradient plume area wells. As shown in Figure 5, the arsenic concentrations in the groundwater decreased in both source area wells and both downgradient plume area wells during the second quarter sampling event. This observed range of arsenic in groundwater is consistent with the naturally occurring background arsenic range reported by Ecology 1 (Ecology 2018). A background arsenic concentration of $10 \mu g/L$ is a typical naturally occurring value presented by Ecology (2018).

Copper concentrations were below the *current* CUL in all of the source area wells and downgradient plume wells. Lead was detected above the *current* CUL in the groundwater from source area well GW152S and downgradient plume area well GW172S. Metals concentrations were below the applicable MTCA criteria for potable water supply, except for arsenic in GW172S and GW173S.

3.2.4.3 COC results for conditional point of compliance area

Results from the CPOC area wells are presented in Table 4 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 4, cis-1,2-DCE was detected above the *current* CUL in the groundwater from all CPOC area wells at concentrations ranging from 0.036 to

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



0.352 µg/L; TCE was detected above the *current* CUL in the groundwater from GW235I; and VC was detected above the *current* CUL in the groundwater from GW232S. PCE was not detected in the groundwater from the CPOC wells and is not shown in Figure 6. As shown on Figure 6, concentrations of cis-1,2-DCE have exceeded the *current* CUL in the groundwater from CPOC wells since compliance monitoring began, but are generally stable. The concentrations of TCE appear generally stable across CPOC wells, and the concentrations of VC in CPOC wells have been stable and below the *current* CUL since December 2015, except for GW232S.

Arsenic was detected above the *current* CUL in the groundwater from all CPOC area wells except for GW233I and GW235I, copper and lead were only detected above the *current* CULs in the groundwater from CPOC area well GW236S (Table 4). Figure 7 shows arsenic, copper, and lead concentration trends since the beginning of compliance monitoring in groundwater from the CPOC area wells. As shown in Figure 7, arsenic, copper, and lead concentrations have decreased over the last two quarters and have come back into the previously stable range for all CPOC area wells.

While select COC concentrations exceed the *current* CUL in the groundwater from select CPOC wells, all of these COC concentrations were below the applicable MTCA criteria for potable water supply in the groundwater from all CPOC area wells, with the exception of arsenic in GW234S.

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 second quarter 2020. The cleanup remedy for this SMWU/AOC group is bioremediation and MA; SVE was decommissioned. 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 these SWMUs during the second 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 current soil CULs, and results were reported in the second quarter monitoring report (Wood, 2018). These CULs were attained with one exception: the sample from 4.5 feet below ground surface at well PP13 had a concentration of TPH as gasoline (TPH-G) of 147 milligrams per kilogram (mg/kg), and the field duplicate was 131 mg/kg, above the current CUL of 30 mg/kg.

A revised work plan (CALIBRE, 2019b) for excavating the soils near PP13 and GW031S (shown in Figure 8) was submitted to Ecology on May 8, 2019, in response to a request from Ecology. The investigation described in the work plan was conducted on June 13 and 14, 2019, and the results were submitted to Ecology in November 2019 (CALIBRE 2019c). Groundwater elevations were monitored during subsequent monitoring events to determine the best time for soil removal activities. As documented in an email to Ecology dated October 22, 2019, the soil excavation work had not been completed because groundwater levels were not low enough before the start of the rainy season to schedule the work. TPH-G concentrations in groundwater continue to be monitored and groundwater levels are being monitored approximately biweekly to determine if excavation work can be completed in the third guarter.



No new nitrate/sulfate injections have been completed since January 2020. Sampling occurred in February 2020. Trend charts for cis-1,2-DCE and benzene in the injection wells are presented in Figure 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 CMP occurred for this area during the second quarter.

3.3.3 Water levels

Table 5 presents the groundwater elevations measured during the second quarter 2020 groundwater monitoring event at the Building 4-78/79 SWMU/AOC group. As shown in Figure 8, the observed direction of groundwater flow from the source area during May 2020 is generally to the west-southwest, with a hydraulic gradient of 0.002.

3.3.4 Groundwater monitoring results

Results for primary geochemical indicators are presented in Table 6; results for the COCs for Building 4-78/79 SWMU/AOC Group are presented in Table 7. 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 6. In general, source area, downgradient, and CPOC area wells had low levels of dissolved oxygen, with the exception of GW038S. The pH was near neutral at greater than 6.0 standard units in all monitoring wells. The downgradient plume area wells showed reducing conditions with negative ORP readings. Reducing conditions indicate the dechlorination of volatile organic compounds and are likely throughout this area. Results for the other primary geochemical indicators were fairly consistent in all wells. TOC concentrations in source area wells ranged from 5.52 to 14.61 mg/L.

3.3.4.2 COC results for source and downgradient plume areas

Table 7 lists second quarter 2020 analytical results for the Building 4-78/79 SWMU/AOC Group COCs. The CULs established in the CAP for the CPOC are also presented on Table 7. Figures 11 and 12 are trend charts showing historical trends for COCs for four 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 7, benzene, cis-1,2-DCE, and VC were detected in groundwater from several source area wells at concentrations above the *current* CPOC CULs. In source area wells GW039S and GW243I, all COCs were below *current* CULs. TCE was not detected in the groundwater from source area wells. TPH-G was detected in the groundwater from source area well GW031S, at a concentration of 1,880 μ g/L (the field duplicate concentration was 1,790 μ g/L). TPH-G was also detected in the groundwater from source area well GW033S at a concentration of 301 μ g/L, below the *current* CPOC CUL. All COCs were non-detect in the groundwater 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 from GW031S and GW033S are generally consistent with historical results and trends. The groundwater from GW033S historically had the highest concentrations of cis-1,2-DCE and VC prior to the Duct Bank dewatering project.



COC concentrations in groundwater from source area well GW034S and downgradient plume area well GW209S (Figure 12) remain stable with concentrations below detection, except for the VC concentration in the groundwater from source area well GW034S over the past year of monitoring. No new nitrate/sulfate injections have been completed since January 2020.

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

3.3.4.3 COC results for conditional point of compliance area

Groundwater monitoring results from the second quarter for the CPOC area are summarized in Table 7. Trends for CPOC wells GW143S, GW237S, and GW240D are shown in Figures 13 through 15. Benzene was not detected in groundwater from the CPOC area wells, except GW237S at a concentration of 1.03 µg/L, which is above the *current* CUL (Table 7). As shown in Figure 13, benzene has been sporadically detected in the groundwater from CPOC area well GW237S but has not been detected above the *current* CUL in the groundwater from any of the other CPOC wells. The benzene concentration in the groundwater from CPOC well GW237S was above the *current* CUL during the second quarter. For the CPOC area wells, all CVOCs (cis-1,2-DCE, TCE, and VC) are below the *current* CULs and are non-detect, and all COCs were below the *proposed* CULs and the MTCA criteria for potable water supply.

3.4 Former Fuel Farm AOC group

The Former Fuel Farm AOC group is monitored semiannually in May and November. The final remedy for the Former Fuel Farm is MNA.

3.4.1 Cleanup action activities

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

3.4.2 Compliance monitoring plan deviations

No deviations from the CMP occurred for this area during the second quarter.

3.4.3 Water levels

Groundwater elevations for the Former Fuel Farm AOC Group measured during the second quarter 2020 are summarized in Table 8 and shown on Figure 16. Groundwater elevation contours are not shown on Figure 16 due to anomalous measurements. Groundwater flow direction is shown based on historical information from this AOC and is to the southwest.

3.4.4 Groundwater monitoring results

Results for primary geochemical indicators are presented in Table 9; results for COCs for the Former Fuel Farm AOC Group are presented in Table 10. Groundwater in this area is monitored following the schedule presented in Tables A-1 and A-2 in Appendix A.

3.4.4.1 Monitored natural attenuation indicators

The geochemical indicator results are presented in Table 9. Results in Table 9 indicate that geochemical conditions are generally consistent throughout the Former Fuel Farm AOC Group. The pH in CPOC area well GW212S was below 6.0 standard units. All of the remaining wells had a pH above 6. Dissolved oxygen



was generally low across wells in this area, and ORP was highly variable. The geochemical indicators indicate that conditions are generally conducive to natural attenuation of the COCs for the Former Fuel Farm AOC Group.

3.4.4.2 COC results for source area

Table 10 lists second quarter 2020 analytical results for the Former Fuel Farm AOC Group COCs. The CULs established in the CAP are also presented on Table 10. As shown in Table 10, TPH in the diesel and Jet A ranges was not detected above the reporting limit in the groundwater from the single source area well (GW255S).

3.4.4.3 COC results for conditional point of compliance area

CPOC area monitoring results are presented in Table 10. Figure 17 shows trend data for CPOC area wells GW211S, GW221S, and GW224S. Figure 17 shows that the second quarter results for these wells are consistent with the historical monitoring results since late 2013.

Samples were analyzed for TPH in the diesel and Jet A ranges, both with and without a silica gel cleanup, which can be performed on samples to remove polar organic compounds. The results after silica gel cleanup are therefore considered to be more accurate. As shown in Table 10, concentrations of both TPH as diesel and Jet A were lower after silica gel cleanup had been performed (except in the case of the groundwater from GW221S). Generally, detections above the *current* CULs decreased to below the *current* CULs after silica gel cleanup. We propose to continue to analyze samples from GW211S, GW221S, and GW224S using the silica gel procedure during future sampling events.

3.5 AOC-001 and AOC-002

Apron R near AOC-001 and AOC-002 is under reconstruction, therefore, no monitoring was conducted for this area during the second quarter 2020. Monitoring wells in these areas were removed on November 25, 2019. The wells affected by this work are noted in Table A-1.

3.6 AOC-003

This section describes corrective action activities conducted at AOC-003 for the second quarter 2020. The cleanup remedy for this AOC is bioremediation and MA. Figure 18 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 second quarter.

3.6.2 Compliance monitoring plan deviations

Groundwater samples were collected from the CPOC area wells during the second quarter. Following the schedule presented in Table A-1, CPOC area wells are sampled quarterly, and source and downgradient area wells are sampled semiannually in the first and third quarters.

3.6.3 Water levels

Table 11 presents the groundwater elevations measured during the second quarter 2020 monitoring event at AOC-003. Figure 18 shows the groundwater elevations from this event. Groundwater flow directions cannot be determined from the available groundwater elevation data.



3.6.4 Groundwater monitoring results

Groundwater at AOC-003 is monitored following the schedule presented in Tables A-1 and A-2 in Appendix A. Results for geochemical indicators are presented in Table 12; results for the AOC-003 COCs are presented in Table 13.

3.6.4.1 Monitored attenuation/geochemical indicators

The geochemical indicator results are presented in Table 12. Results in Table 12 indicate that geochemical conditions are generally consistent throughout this AOC. Negative ORP readings were observed during this monitoring event, indicating reducing conditions.

3.6.4.2 COC results for source and downgradient plume areas

Source area and downgradient plume area wells are monitored semiannually in the first and third quarters; therefore, no monitoring for source area or downgradient plume wells was conducted in the second quarter.

3.6.4.3 COC results for conditional point of compliance area

Groundwater from the two CPOC area wells had no detections of PCE, TCE or cis-1,2-DCE above their respective *current* CULs. VC was detected at concentrations above the *current* CUL in the groundwater from both CPOC wells (GW247S and GW248I), at concentrations of 0.409 and 0.546 µg/L, respectively.

VC concentrations exceed the *proposed* CUL in the groundwater from CPOC wells, as detailed above, and remain above the applicable MTCA criteria for potable water supply in both CPOC wells.

3.7 AOC-004

AOC-004 is monitored semiannually during the first and third quarters; therefore, no monitoring was conducted for this area during the second quarter 2020.

3.8 AOC-060

AOC-060 is monitored semiannually during the first and third quarters; therefore, no monitoring was conducted for this area during the second quarter 2020.

3.9 AOC-090

AOC-090 is monitored semiannually during the first and third quarters; therefore, no monitoring was conducted for this area during the second quarter 2020.

3.10 Building 4-70 area

The Building 4-70 Area is monitored semiannually during the first and third quarters; therefore, no monitoring was conducted for this area during the second quarter 2020.

3.11 Lot 20/Former Building 10-71 Parcel

This section describes corrective action activities conducted for this area during the second quarter 2020. Figure 19 shows the locations of the groundwater monitoring wells and the bioremediation injection system at the Lot 20/Former Building 10-71 Parcel, as well as the groundwater elevations measured during the second quarter. The Lot 20/Former Building 10-71 Parcel was not included in the EDR but was later added to the CMP (Amec Foster Wheeler, 2016a) and has been regularly monitored in conjunction with the Facility corrective action areas. The cleanup remedy for the Lot 20/Former Building 10-71 Parcel is



bioremediation and MA. This area is monitored semiannually in the second and fourth quarters, in accordance with Table A-1 in Appendix A.

3.11.1 Cleanup action activities

No construction or operations work was conducted for the Lot 20/Former Building 10-71 Parcel during the second quarter.

3.11.2 Water levels

The groundwater elevations measured during the second quarter at the Lot 20/Former Building 10-71 Parcel are presented in Table 14 and on Figure 19. Groundwater contours are not shown on Figure 19 because the three monitoring wells measured are arranged nearly in a straight line and do not provide enough water level data to prepare contours. Based on the second quarter water level measurements, the apparent groundwater flow appears to be generally to the northwest.

3.11.3 Groundwater monitoring results

Results for primary geochemical indicators for groundwater from the Lot 20/Former Building 10-71 Parcel monitoring wells are presented in Table 15; results for COCs for the Lot 20/Former Building 10-71 Parcel monitoring wells are presented in Table 16. Groundwater in this area is monitored following the schedule presented in Tables A-1 in Appendix A.

3.11.3.1 Monitored attenuation/geochemical indicators

The geochemical indicator results are presented in Table 15. The pH in groundwater from the three monitoring wells (10-71-MW1, 10-71-MW2, and 10-71-MW4) of the Lot 20/Former Building 10-71 Parcel were above 6 standard units. All remaining parameters in the groundwater from these monitoring wells appear uniform. Results in Table 15 indicate that geochemical conditions are generally consistent throughout this AOC and are generally conducive to biodegradation of the COCs for this AOC.

3.11.3.2 COC results

Second quarter analytical results for the Lot 20/Former Building 10-71 Parcel COCs are presented in Table 16. The concentrations of all of the COCs—cis-1,2-DCE, toluene, TCE, and VC—in the groundwater from Lot 20/Former Building 10-71 Parcel monitoring wells were below detection, and the detection limits are lower than the applicable MTCA criteria for potable water supply.

3.12 Apron A area

This section describes corrective action activities conducted at the Apron A area during the second quarter 2020. The cleanup remedy proposed for the Apron A area is bioremediation and MA. Figure 20 shows the locations of the groundwater monitoring wells in the Apron A area.

3.12.1 Cleanup action activities

No construction or operations work was conducted in the Apron A area during the second quarter.

3.12.2 Water levels

The depth to groundwater measured during the second quarter at Apron A are presented in Table 17 and on Figure 20. Groundwater elevations are not available because the top of casing elevations were never surveyed. Groundwater flow directions cannot be determined from the available depth to groundwater data.



3.12.3 Groundwater monitoring results

Results for primary geochemical indicators for groundwater from groundwater monitoring wells GW262S and GW264S are presented in Table 18; results for COCs from these wells are presented in Table 19. Groundwater in this area is monitored following the schedule presented in Tables A-1 and A-2 in Appendix A.

3.12.3.1 Monitored attenuation/geochemical indicators

Geochemical parameters are presented in Table 18. TOC concentrations in the monitoring wells were slightly elevated during the second quarter 2020 monitoring event. pH and dissolved oxygen were conducive to a reducing environment for dechlorination of volatile organic compounds and ORP readings were also low during this monitoring event.

3.12.3.2 COC results

Second quarter analytical results for the Apron A COCs (cis-1,2-DCE and VC) are presented in Table 19. Cis-1,2-DCE was not detected in the groundwater from GW262S or GW264S. VC was not detected in the groundwater from monitoring well GW262S, but was detected in the groundwater from monitoring well GW264S at a concentration of 1.48 μ g/L, which is above the applicable MTCA criteria for potable water supply.

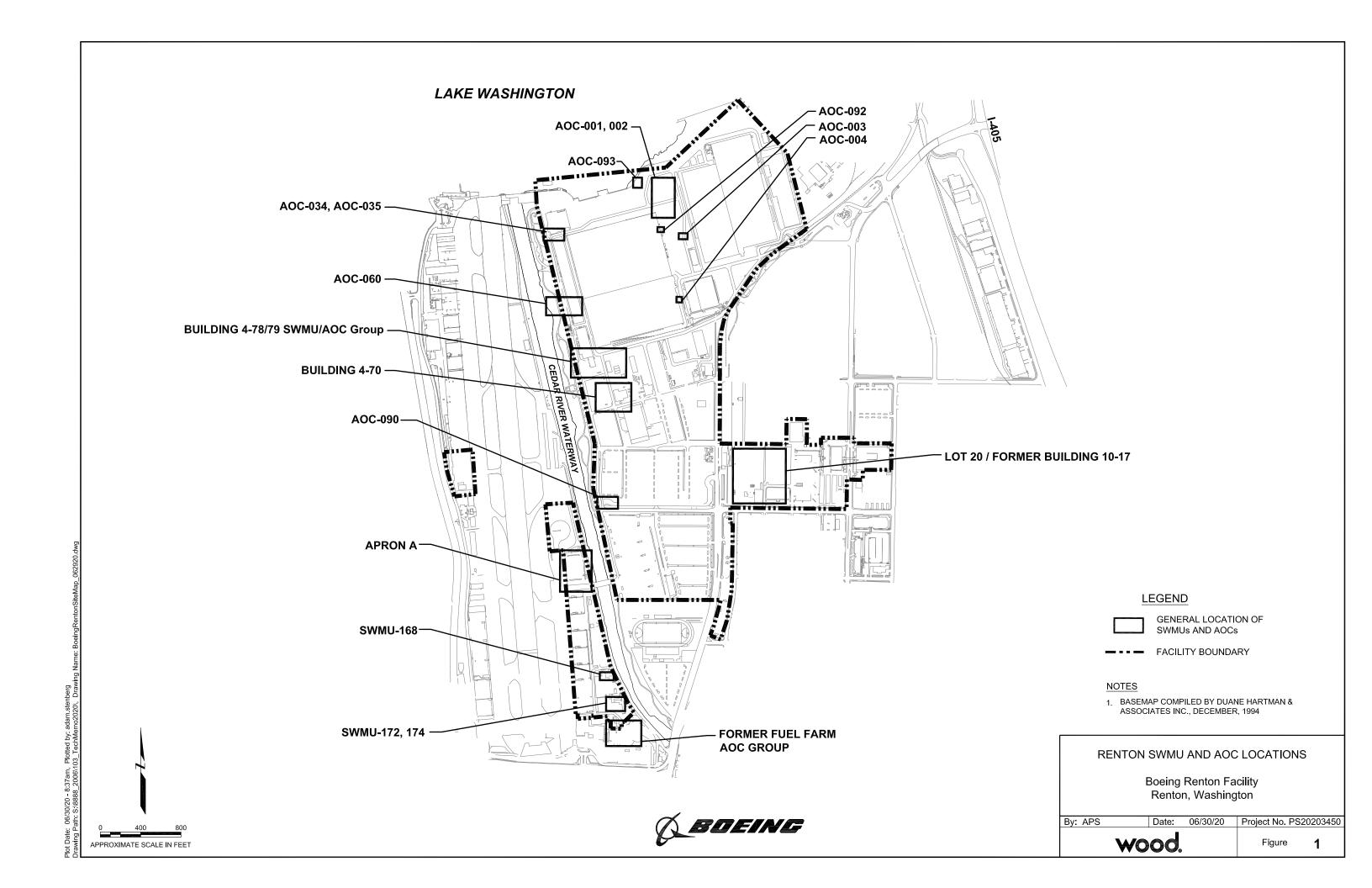
4.0 References

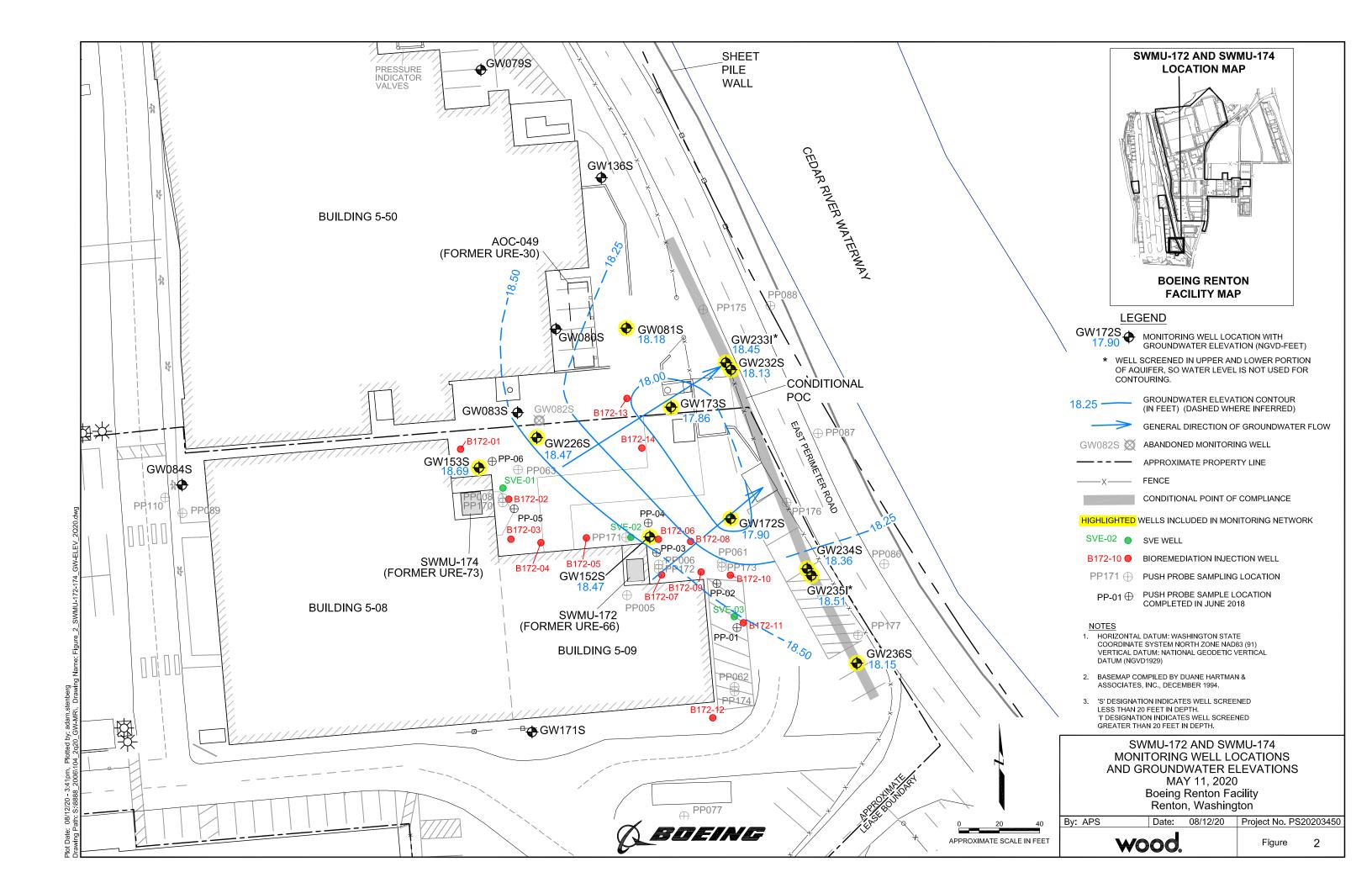
- AMEC Environment & Infrastructure, Inc. (AMEC), 2012, Draft Cleanup Action Plan, Boeing Renton Facility, Renton, Washington: Prepared for The Boeing Company, September.
- AMEC, 2014, Draft Engineering Design Report, Boeing Renton Cleanup Plan Implementation, Boeing Renton Facility, Renton, Washington: Prepared for The Boeing Company, July.
- Amec Foster Wheeler Environment & Infrastructure, Inc. (Amec Foster Wheeler), 2016a, Compliance Monitoring Plan, Boeing Renton Facility, Renton, Washington: Prepared for The Boeing Company, February.
- Amec Foster Wheeler, 2016b, Apron A Investigation Results, Renton Municipal Airport Boeing Apron A Renton, Washington, June.
- Amec Foster Wheeler, 2016c, Quality Assurance Project Plan, Boeing Renton Facility, Renton, Washington: Prepared for The Boeing Company, February.
- Amec Foster Wheeler, 2017, Addendum to the Compliance Monitoring Plan, Boeing Commercial Airplane Group, Renton Facility. February 15.
- CALIBRE Systems, Inc. (CALIBRE), 2019a, Cleanup Levels in Groundwater at the Boeing Renton Plant, December 17.
- CALIBRE, 2019b, Plan for Evaluation of Soils around Probe PP13 at Building 4-78/4-79 SWMU/AOC Group; Boeing Renton Site, April 29.
- CALIBRE, 2019c, Soils Probes at Building 4-78/4-79 SWMU/AOC Group; Boeing Renton Site, November 21.
- CALIBRE, 2020, Evaluation of Recent Groundwater Sampling at the Boeing Renton Facility. Recommendation for Modifications to Compliance Monitoring Plan. June 30.
- Washington State Department of Ecology (Ecology), 2018, Natural Background Groundwater Arsenic Concentrations in Washington State, Review Draft. May. Publication No. 14-09-044.

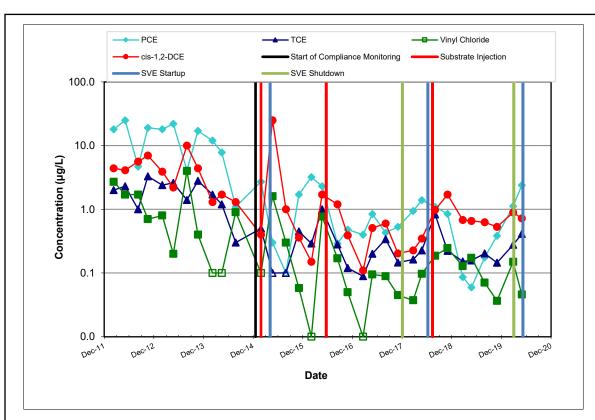


- Wood Environment & Infrastructure Solutions, Inc. (Wood), 2018, Quarterly report, second quarter 2018, RCRA Corrective Action Program, Boeing Renton Facility.
- Wood, 2019, Addendum to the Compliance Monitoring Plan AOC-034/035, Boeing Commercial Airplane Group, Renton Facility. April 12.

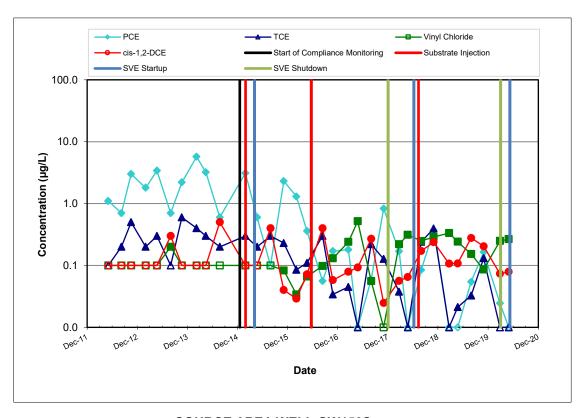
wood.







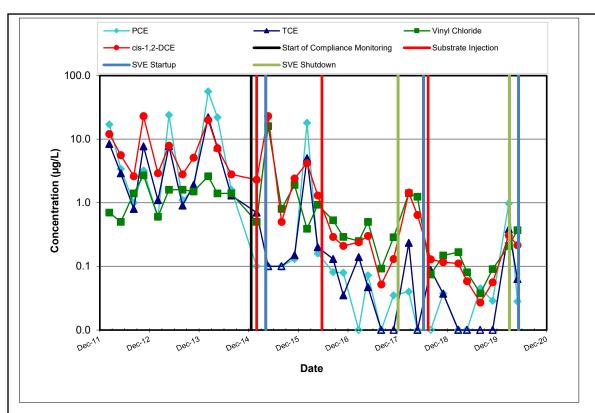
SOURCE AREA WELL GW152S



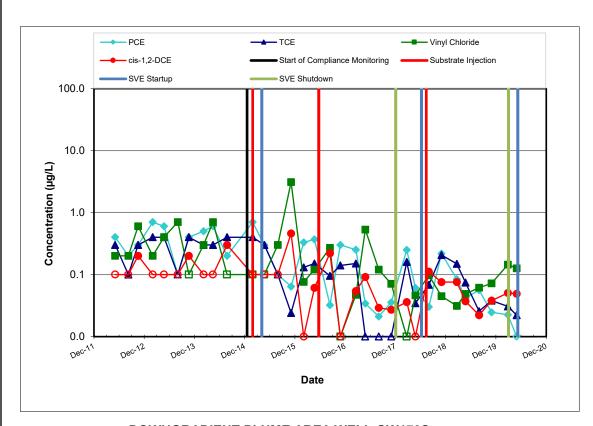
SOURCE AREA WELL GW153S

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





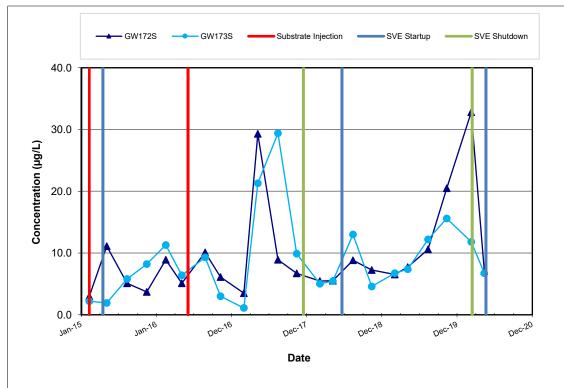
DOWNGRADIENT PLUME AREA WELL GW172S



DOWNGRADIENT PLUME AREA WELL GW173S

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





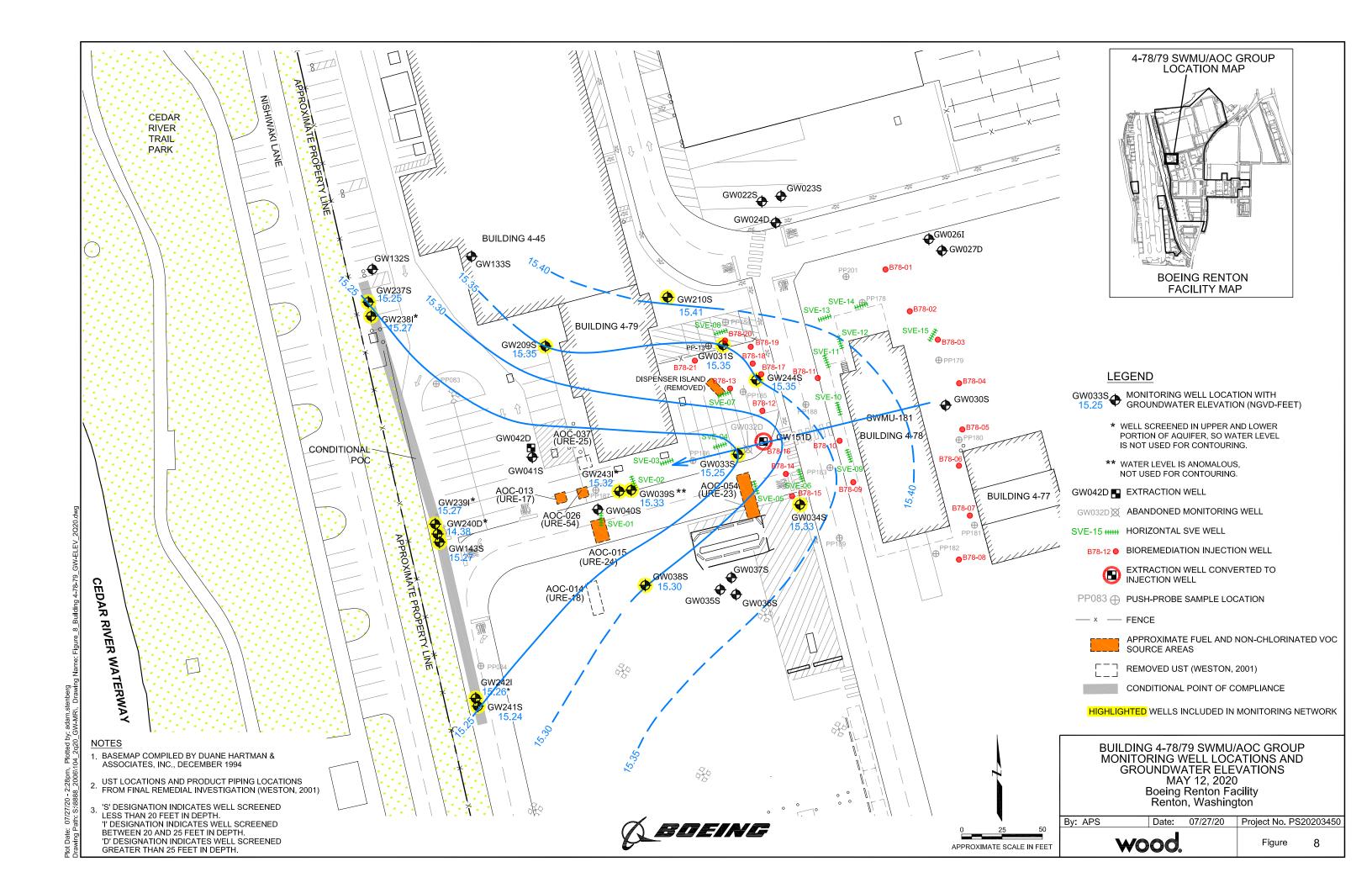
TOTAL ARSENIC IN DOWNGRADIENT PLUME AREA WELLS

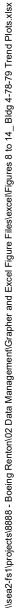
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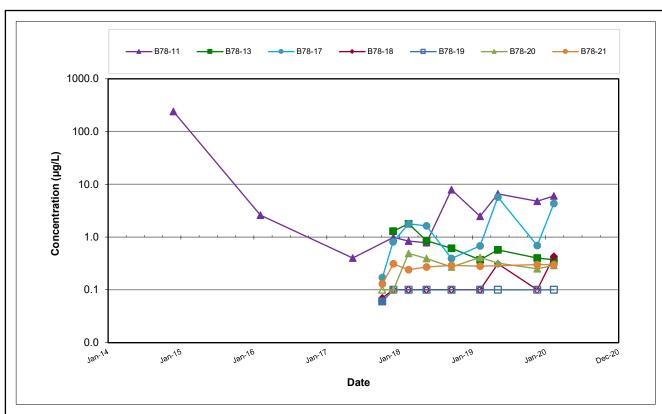


SWMU-172 AND SWMU-174 TREND PLOTS FOR ARSENIC IN SELECT SOURCE AREA AND DOWNGRADIENT PLUME AREA WELLS Boeing Renton Facility Renton, Washington

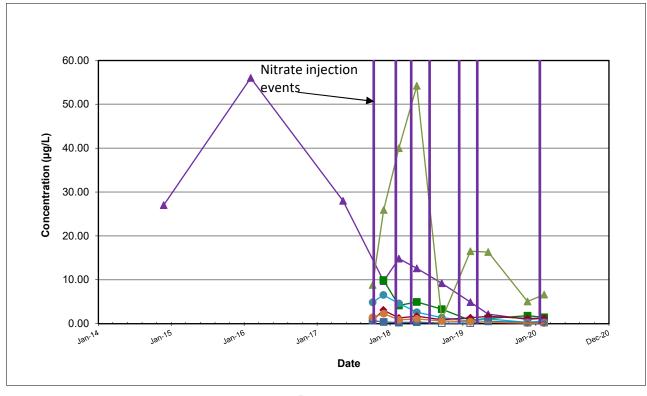
Project No. 8888







cis-1,2-Dichloroethene



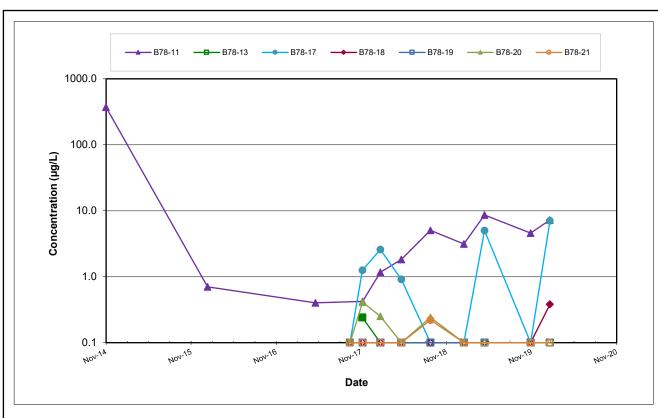
Benzene

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

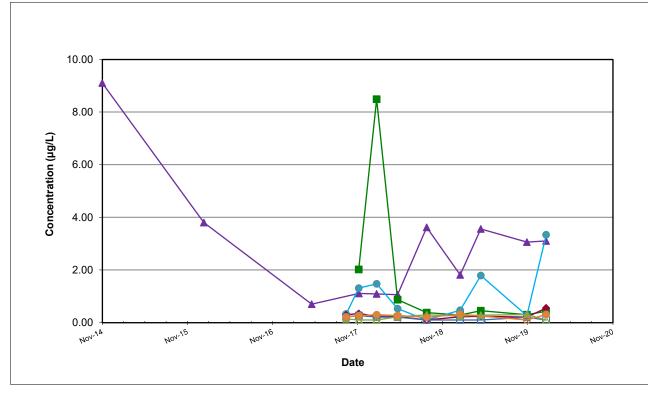


BUILDING 4-78/79 SWMU/AOC GROUP TREND PLOTS FOR CIS-1,2-DICHLOROETHENE AND BENZENE IN INJECTION WELLS Boeing Renton Facility Renton, Washington

Project No. 8888



Trichloroethene



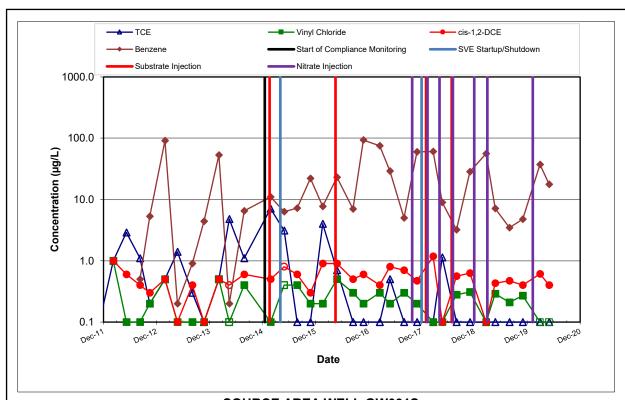
Vinyl Chloride

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

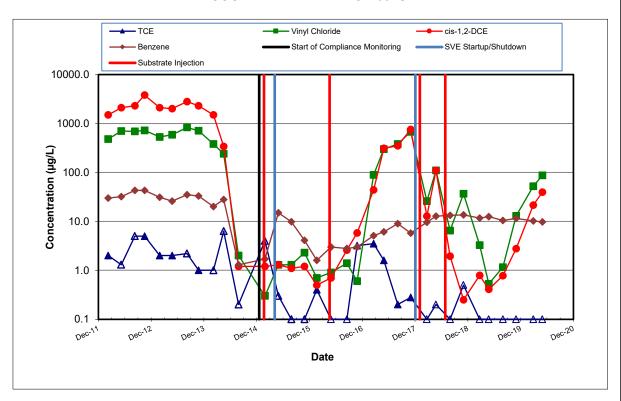


BUILDING 4-78/79 SWMU/AOC GROUP TREND PLOTS FOR TRICHLOROETHENE AND VINYL CHLORIDE IN INJECTION WELLS Boeing Renton Facility Renton, Washington

Project No. 8888



SOURCE AREA WELL GW031S



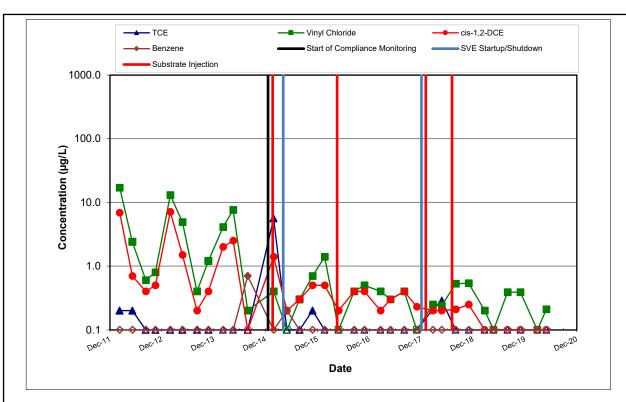
SOURCE AREA WELL GW033S

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

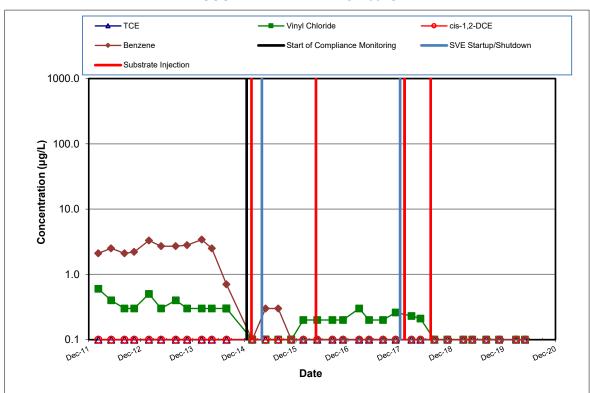


BUILDING 4-78/79 SWMU/AOC GROUP TREND PLOTS FOR SOURCE AREA WELLS GW031S AND GW033S Boeing Renton Facility Renton, Washington

Project



SOURCE AREA WELL GW034S



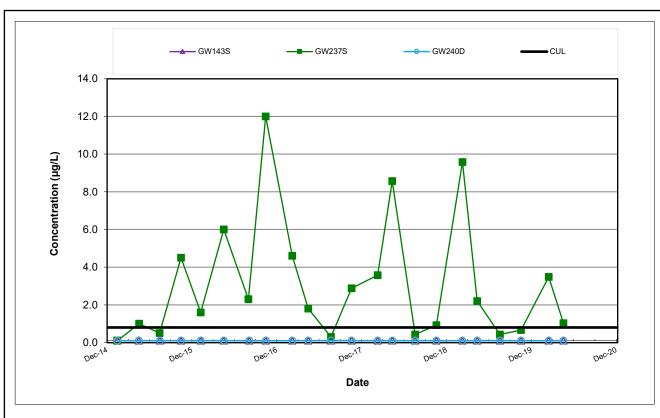
DOWNGRADIENT PLUME AREA WELL GW209S

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

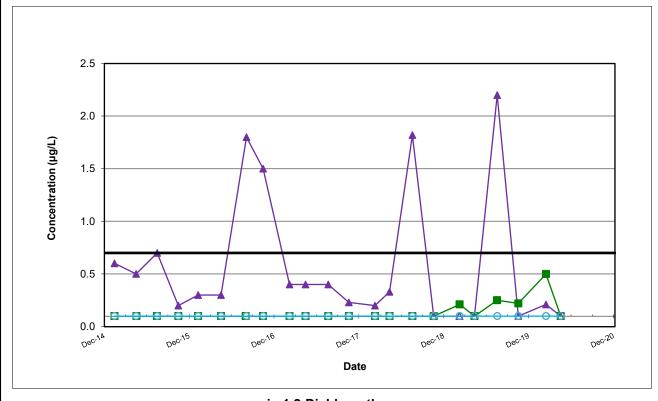


BLDG 4-78/79 SWMU/AOC GROUP TREND PLOTS FOR SOURCE AREA WELL GW034S AND DOWNGRADIENT PLUME AREA WELL GW209S Boeing Renton Facility

Project No.







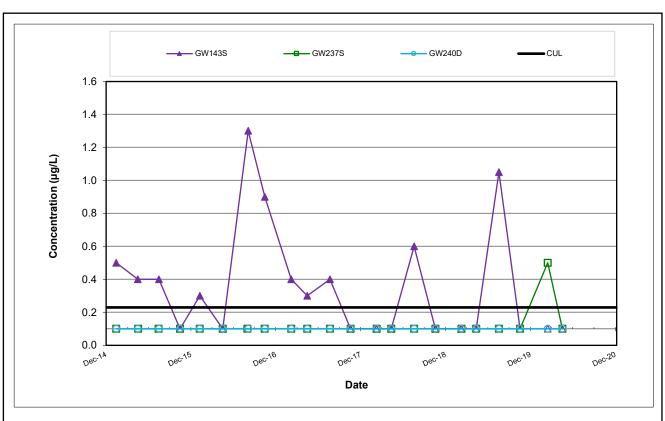
cis-1,2-Dichloroethene

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

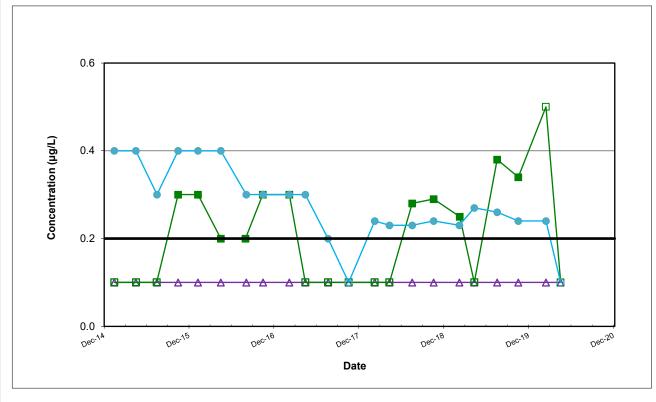


BUILDING 4-78/79 SWMU/AOC GROUP TREND PLOTS FOR BENZENE AND CIS-1,2-DICHLOROETHENE IN CPOC AREA WELLS Boeing Renton Facility Renton, Washington

Project No. 8888



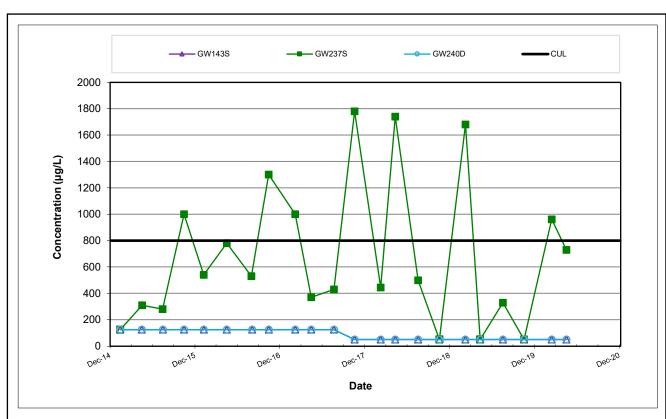
Trichloroethene



Vinyl Chloride

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

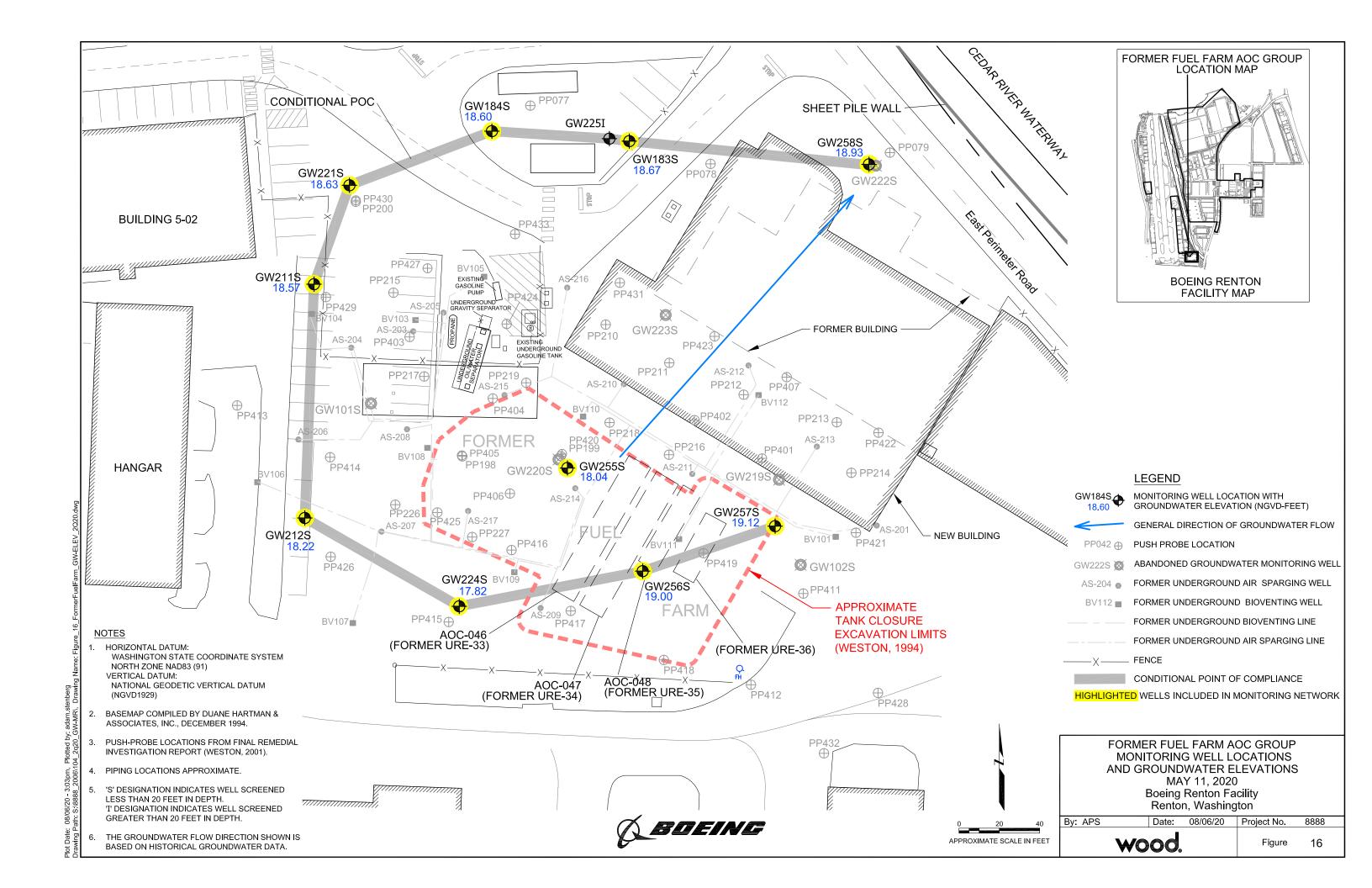


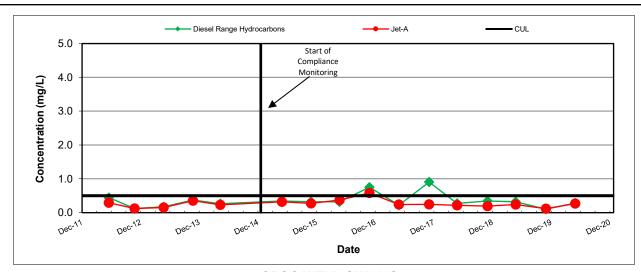


TPH as Gasoline

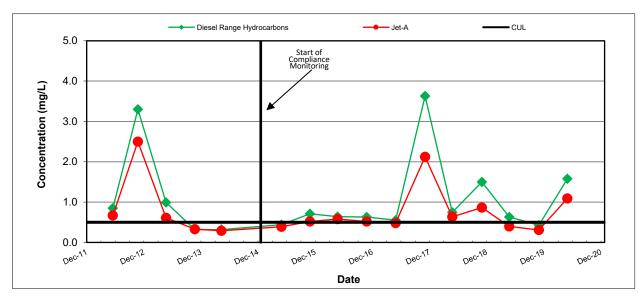
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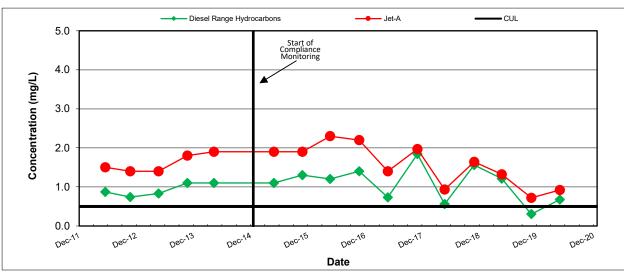




CPOC WELL GW211S

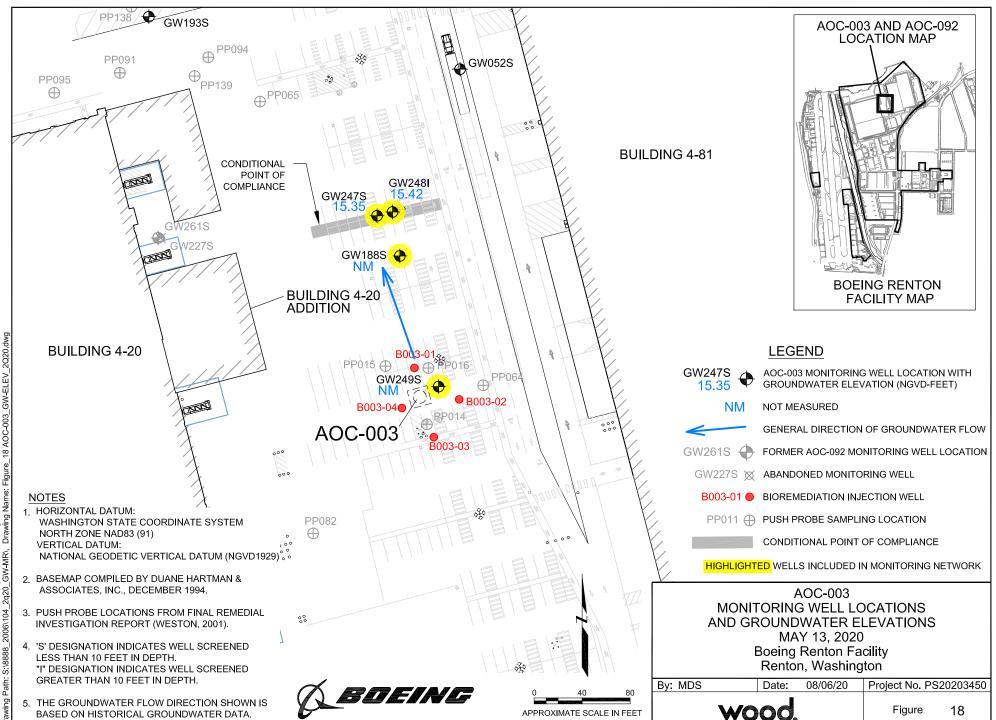


CPOC WELL GW221S

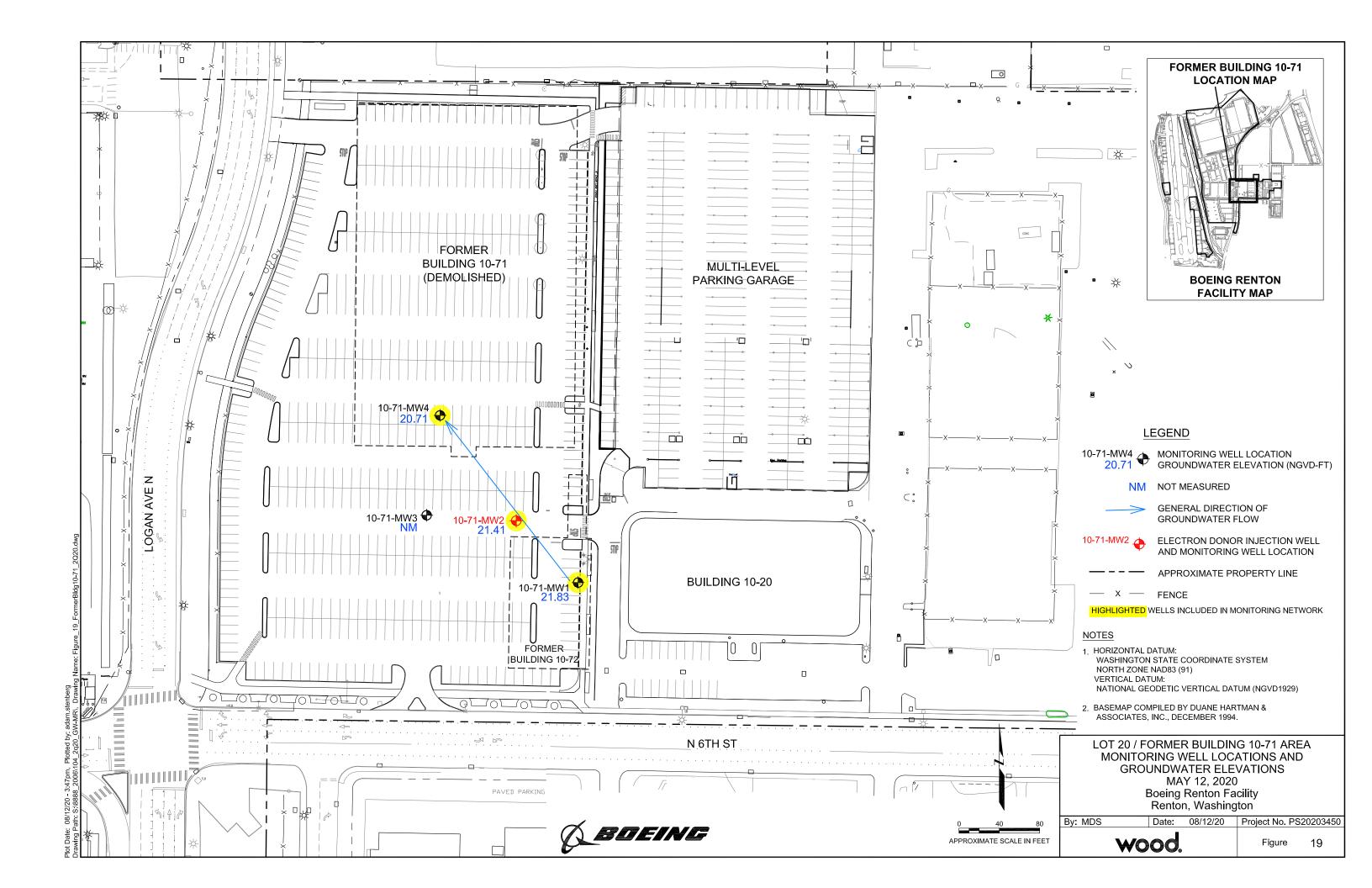


CPOC WELL GW224S





Plot Date: 08/06/20 - 3:48pm, Plotted by: adam.stenberg Drawing Path: S:\8888_2006\104_2020_GW-MR\. Drawing Name:



wood.

Tables

TABLE 1: FUTURE SAMPLING SCHEDULE

Boeing Renton Facility, Renton, Washington

Cleanup Action Area	Frequ	ency as ¹	Source Area	Downgradient	CPOC Wells	Constituents of Concern	Analyses ²
	Quarterly	Semiannual	Wells	Plume Wells			
SWMU-168		X (3)	GW228S ³	NA	GW230I	VC	SW8260C SIM
SWMU-172/SWMU-174		Х	GW152S and GW153S	GW172S, GW173S, and GW226S	GW232S, GW234S, GW235I, and GW236S	cis -1,2-DCE, PCE, TCE, VC Arsenic, copper, and lead	SW8260C SIM EPA 6020A
Building 4-78/79 SWMU/AOC Group		Х	GW031S, GW033S, GW034S, and GW244S		GW143S, GW237S, GW240D	VC, TCE, cis-1,2-DCE, benzene TPH-gasoline	SW8260C NWTPH-Gx
Former Fuel Farm SWMU/AOC Group		Х		NA	GW211S, GW221S, GW224S	TPH-jet fuel, TPH-diesel	NWTPH-Dx
AOC-001/AOC-0024			All wells closed	with start of the Ap	oron R construction	Benzene	SW8260C
						TCE, cis -1,2-DCE, 1,1-dichloroethene, VC	SW8260C SIM
AOC-003		X (all wells)	GW249S	GW188S	GW247S and GW248I	VC	SW8260C
AOC-004		Х	GW250S	NA		Lead	EPA 6020A
AOC-034/AOC-0355		•		All sampling ende	ed with Ecology approv	al (CULs met)	
AOC-92				All sampling ende	ed with Ecology approv	al (CULs met)	
AOC-93				All sampling ende	ed with Ecology approv	al (CULs met)	
AOC-060		Х	GW009S	GW012S GW014S, GW147S	GW150S, GW253I	VC TCE, cis -1,2-DCE	SW8260C SIM
AOC-090		Х	GW189S	GW176S	GW178S, GW207S, and GW208S	CVOCs and TPH at GW189S and VC at remaining wells.	SW8260C SW8260 SIM NWPTH-Gx NWTPH-Dx
Building 4-70 Area			NA	NA	NA		

TABLE 1: FUTURE SAMPLING SCHEDULE

Boeing Renton Facility, Renton, Washington

Cleanup Action Area	Frequ	ency as ¹	Source Area Wells	Downgradient Plume Wells	CPOC Wells	Constituents of Concern	Analyses ²
	Quarterly	Semiannual		Plume Wells			
Lot 20/Former Building 10-71			NA	NA	NA		
Apron A		Х	GW264S	NA	NA	cis -1,2-DCE and VC	SW8260C

Source: CALIBRE (2020)

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. SIM methods will be used if the cleanup level is lower than the reporting limit achieved by the conventional 8260 method. If cleanup levels become higher or if the conventional 8260 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.
- 3. GW228S will not be monitored only the CPOC wells will be monitored on a semiannual basis for SWMU-168.
- 4. All wells in this area (AOC-001/002) were closed with start of the Apron R construction. Replacement of selected wells planned after construction is complete.
- 5. All sampling at AOC-034/035 was ended with Ecology approval dated April 30, 2019. Ecology noted the cleanup standards had been attained at the AOC-034/035 conditional point of compliance and further sampling dropped.

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

VC = vinyl chloride

TABLE 2: SWMU-172 and SWMU-174 GROUP GROUNDWATER ELEVATION DATA MAY 11, 2020

Boeing Renton Facility, Renton, Washington

Well ID ¹	Screen Interval Depth (feet bgs)	TOC Elevation (feet) ²	Depth to Groundwater (feet below TOC)	Groundwater Elevation (feet) ²
GW081S	5 to 20 ³	25.91	7.73	18.18
GW152S	5 to 20 ³	26.98	8.51	18.47
GW153S	5 to 20 ³	27.47	8.78	18.69
GW172S	8 to 18 ³	26.44	8.54	17.90
GW173S	8 to 18 ³	26.51	8.65	17.86
GW226S	5 to 20 ³	26.86	8.39	18.47
GW232S	4 to 14	24.45	6.32	18.13
GW233I	15 to 25	24.35	5.90	18.45
GW234S	3 to 13	24.95	6.59	18.36
GW235I	15 to 25	24.90	6.39	18.51
GW236S	5 to 15	24.36	6.21	18.15

Notes

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

Abbreviations

bgs = below ground surface

TOC = top of casing

TABLE 3: SWMU-172 AND SWMU-174 GROUP CONCENTRATIONS OF PRIMARY GEOCHEMICAL INDICATORS ¹ MAY 11, 2020

Boeing Renton Facility, Renton, Washington

		Well ID ²										
		Source Area			Downgradier	nt Plume Are	a			CPOC Area		
		GW152S										
Parameter	GW152S	(field dup.)	GW153S	GW081S	GW172S	GW173S	GW226S	GW232S	GW233I	GW234S	GW235I	GW236S
Specific Conductivity (µS/cm)	166.6		278.2	244.4	289.3	388.6	313.5	516.0	222.4	234.5	144.6	289.9
Dissolved Oxygen (mg/L)	0.36		1.86	1.79	0.12	0.45	1.99	2.61	2.19	0.34	1.10	0.86
Oxidation/Reduction Potential (mV)	34.2	NA	-13.3	-5.6	-18.6	-11.1	-19.9	-15.4	-1.3	30.4	53.3	53.3
pH (standard units)	6.20		6.25	6.12	6.53	6.45	6.25	6.09	5.99	6.33	6.33	6.36
Temperature (degrees C)	18.5	1	22.8	20.4	17.7	19.8	23.6	18.7	17.9	19.8	17.4	15.0
Total Organic Carbon (mg/L)	2.12	1.98	8.30	5.18	4.06	5.88	6.88	6.68	4.19	2.64	3.58	1.82

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

NA = not analyzed

TABLE 4: SWMU-172 AND SWMU-174 GROUP CONCENTRATIONS OF CONSTITUENTS OF CONCERN^{1, 2} MAY 11, 2020

Boeing Renton Facility, Renton, Washington

			Well ID ³										
		So	ource Area		Do	Downgradient Plume Area			CPOC Area				
	Current		(field										
Analyte	Cleanup Level⁴	GW152S	dup.)	GW153S	GW081S	GW172S	GW173S	GW226S	GW232S	GW233I	GW234S	GW235I	GW236S
Volatile Organic Compou	nds (μg/L)												
cis-1,2-Dichloroethene	0.03	0.719	0.694	0.079	0.041	0.214	0.049	0.031	0.352	0.065	0.092	0.156	0.036
Tetrachloroethene	0.02	2.38	2.47	0.020 U	0.020 U	0.063	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Trichloroethene	0.02	0.412	0.430	0.020 U	0.020 U	0.028	0.022	0.020 U	0.020 U	0.020 U	0.020 U	0.031	0.020 U
Vinyl Chloride	0.11	0.046	0.039	0.266	0.020 U	0.369	0.126	0.059	0.337	0.020 U	0.032	0.020 U	0.020 U
Total Metals (µg/L)													
Arsenic	1.0	1.95	2.21	3.85	2.03	7.03	6.72	3.33	4.71	0.527	5.31	0.289	2.10
Copper	3.5	2.76	3.00	1.73	1.24	2.2	0.875	0.704	0.539	0.597	2.43	1.08	4.24
Lead	1.0	1.09	1.18	0.372	0.147	1.07	0.215	0.190	0.100 U	0.100 U	0.671	0.223	2.61

Notes

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

Abbreviations

 μ g/L = micrograms per liter

AOC = Area of Concern

CPOC = conditional point of compliance

field dup. = field duplicate

SWMU = Solid Waste Management Unit

TABLE 5: BUILDING 4-78/79 SWMU/AOC GROUP GROUNDWATER ELEVATION DATA MAY 12, 2020

Boeing Renton Facility, Renton, Washington

Well ID ¹	Screen Interval Depth (feet bgs)	TOC Elevation (feet) ²	Depth to Groundwater (feet below TOC)	Groundwater Elevation (feet) ²
GW031S	5 to 25	19.44	4.09	15.35
GW033S	5 to 25	19.49	4.24	15.25
GW034S	5 to 25	19.65	4.32	15.33
GW038S	5 to 25	19.68	4.38	15.30
GW039S	3.5 to 13.5	19.30	3.97	15.33
GW143S	10 to 15	19.81	4.54	15.27
GW209S	3.5 to 13.3	19.37	4.02	15.35
GW210S	3.5 to 13.3	19.19	3.78	15.41
GW237S	5 to 15	18.85	3.60	15.25
GW238I	5 to 20	18.94	3.67	15.27
GW239I	15 to 20	19.69	4.42	15.27
GW240D	22 to 27	19.81	5.43	14.38
GW241S	4 to 14	20.28	5.04	15.24
GW242I	15 to 20	20.44	5.18	15.26
GW243I	5 to 20	19.49	4.17	15.32
GW244S	5 to 15	19.53	4.18	15.35

Notes

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

Abbreviations

bgs = below ground surface

TOC = top of casing

TABLE 6: BUILDING 4-78/79 SWMU/AOC GROUP CONCENTRATIONS OF PRIMARY GEOCHEMICAL INDICATORS ¹ MAY 12, 2020

Boeing Renton Facility, Renton, Washington

					Well	ID²				
				Source Area				Downgradient Plume Area		
		GW031S								
Parameter	GW031S	(field dup.)	GW033S	GW034S	GW039S	GW243I	GW244S	GW038S	GW209S	GW210S
Specific Conductivity (µS/cm)	450.3		368.7	318.5	210.0	332.2	386.5	316.5	385.0	279.0
Dissolved Oxygen (mg/L)	0.59	1	0.56	0.33	0.94	1.31	0.77	6.24	0.26	0.96
Oxidation/Reduction Potential (mV)	15.7	NA	-30.4	13.1	73.8	65.3	14.4	22.3	10.2	53.5
pH (standard units)	6.43	1	6.23	6.48	6.21	6.25	6.32	6.46	6.26	6.33
Temperature (degrees C)	19.2	1	20.0	18.2	17.9	17.2	17.3	20.5	18.3	20.2
Total Organic Carbon (mg/L)	13.42	13.48	14.61	7.98	5.52	12.09	14.25	11.62	10.81	226.1

		Well ID ²							
				CPOC Area					
Parameter	GW143S	GW237S	GW238I	GW239I	GW240D	GW241S	GW242I		
Specific Conductivity (µS/cm)	311.3	356.2	419.8	316.6	314.2	301.6	301.0		
Dissolved Oxygen (mg/L)	0.45	0.24	0.67	0.72	0.72	0.99	1.00		
Oxidation/Reduction Potential (mV)	-8.6	-34.2	-18.9	-26.1	-30.2	56.8	-2.8		
pH (standard units)	6.13	6.45	6.21	6.23	6.37	6.15	6.12		
Temperature (degrees C)	15.3	18.4	17.2	15.7	16.7	15.6	15.1		
Total Organic Carbon (mg/L)	10.84	10.65	11.33	10.50	6.04	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

CPOC = conditional point of compliance

degrees C = degrees Celsius

field dup. = field duplicate

mg/L = milligrams per liter

mV = millivolts

NA = not analyzed

TABLE 7: BUILDING 4-78/79 SWMU/AOC GROUP CONCENTRATIONS OF CONSTITUENTS OF CONCERN ^{1, 2} MAY 12, 2020

Boeing Renton Facility, Renton, Washington

			Well ID ³						
			Source Area						
	Current		GW031S						
Analyte	Cleanup Level⁴	GW031S	(field dup.)	GW033S	GW034S	GW039S	GW243I	GW244S	
Volatile Organic Compour	nds (µg/L)								
Benzene	0.80	17.6	17.6 J	9.75	0.20 U	0.20 U	0.20 U	0.46	
cis-1,2-Dichloroethene	0.70	0.40 J	0.40 J	39.5	0.20 U	0.20 U	0.20 U	1.06	
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	0.20 U	0.20 U	87.3	0.21	0.20 U	0.20 U	0.85	
Total Petroleum Hydrocar	bons (µg/L)								
TPH-G (C7-C12)	800	1,880	1,790	301	100 U	100 U	100 U	100 U	

			Well ID ³	
		Downgra	dient Plume	Area
	Current			
Analyte	Cleanup Level ⁴	GW038S	GW209S	GW210S
Volatile Organic Compour	<u> </u>	GW0303		GWZ103
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 Hydrocar	bons (µg/L)			
TPH-G (C7-C12)	800	100 U	100 U	100 U

			Well ID ³							
				CF	OC Area					
	Current									
Analyte	Cleanup Level⁴	GW143S	GW237S	GW238I	GW239I	GW240D	GW241S	GW242I		
Volatile Organic Compoun	nds (µg/L)									
Benzene	0.80	0.20 U	1.03	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U		
cis -1,2-Dichloroethene	0.70	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U		
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	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U		
Total Petroleum Hydroca	rbons (µg/L)									
TPH-G (C7-C12)	800	100 U	729	100 U	100 U	100 U	100 U	100 U		

Notes

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

Abbreviations

 μ g/L = micrograms per liter

AOC = Area of Concern

CPOC = conditional point of compliance

field dup. = field duplicate

TPH-G = total petroleum hydrocarbons as gasoline

SWMU = Solid Waste Management Unit

TABLE 8: FORMER FUEL FARM GROUNDWATER ELEVATION DATA MAY 11, 2020

Boeing Renton Facility, Renton, Washington

Well ID ¹	Screen Interval Depth (feet bgs)	TOC Elevation (feet) ²	Depth to Groundwater (feet below TOC)	Groundwater Elevation (feet) ²
GW183S	5.5 to 15	26.58	7.91	18.67
GW184S	5.6 to 15	27.14	8.54	18.60
GW211S	4.8 to 14.7	27.77	9.20	18.57
GW212S	4.9 to 14.8	28.06	9.84	18.22
GW221S	5 to 15	27.93	9.30	18.63
GW224S	5 to 15	27.98	10.16	17.82
GW255S	6 to 16	27.49	9.45	18.04
GW256S	7 to 16	27.22	8.22	19.00
GW257S	8 to 16	27.87	8.75	19.12
GW258S	9 to 16	25.51	6.58	18.93

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 9: FORMER FUEL FARM CONCENTRATIONS OF PRIMARY GEOCHEMICAL INDICATORS ¹ MAY 11, 2020

Boeing Renton Facility, Renton, Washington

Well ID² Source Area CPOC Area GW224S **GW184S** (field dup.) Parameter GW255S **GW183S GW211S GW212S GW221S GW224S** GW256S GW257S GW258S Specific Conductivity (µS/cm) 245.0 178.6 181.1 230.5 263.2 270.0 191.7 203.1 197.0 323.7 Dissolved Oxygen (mg/L) 0.76 0.45 0.34 0.96 2.90 1.09 1.16 1.49 1.02 0.90 Oxidation/Reduction Potential (mV) -27.7 24.9 34.5 -27.7 46.4 -16.2 -18.9 0.7 14.9 -23.0 NA pH (standard units) 6.35 6.43 6.35 6.21 5.74 6.21 6.12 6.24 6.18 6.41 Temperature (degrees C) 25.5 21.1 21.3 17.4 20.8 23.0 22.8 24.8 23.7 20.9

Notes

1. Primary geochemical indicators are measured in the field.

2. S = shallow well.

Abbreviations

μS/cm = microsiemens per centimeter

CPOC = conditional point of compliance

degrees C = degrees Celsius

field dup. = field duplicate

mg/L = milligrams per liter

mV = millivolts

NA = not analyzed

TABLE 10: FORMER FUEL FARM CONCENTRATIONS OF CONSTITUENTS OF CONCERN ^{1, 2, 3} MAY 11, 2020

Boeing Renton Facility, Renton, Washington

			Well ID⁴													
		Source		space.												
	Current	Area							CP	OC Area						
	Cleanup											GW	224S			
Analyte	Level ⁵	GW255S	GW183S	GW184S	GW.	211S	GW212S	GW	221S	GW:	224S	(field	dup.)	GW256S	GW257S	GW258S
Total Petroleum Hydrocarbo	ns (mg/L)															
TPH-D (C12-C24)	0.5	0.100 U	0.110 U	0.100 U	0.282	0.221	0.100 U	1.58	3.21	0.675	0.336 J	0.876	0.217 J	0.100 U	0.100 U	0.100 U
Jet A	0.5	0.100 U	0.110 U	0.100 U	0.267	0.243	0.100 U	1.09	2.31	0.918 J	0.796 J	1.38 J	0.481 J	0.100 U	0.100 U	0.100 U

Notes

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

Abbreviations

CPOC = conditional point of compliance

field dup. = field duplicate

mg/L = milligrams per liter

TPH-D = total petroleum hydrocarbons as diesel

TABLE 11: AOC-003 GROUNDWATER ELEVATION DATA MAY 13, 2020

Boeing Renton Facility, Renton, Washington

Well ID ¹	Screen Interval Depth (feet bgs)	TOC Elevation (feet) ²	Depth to Groundwater (feet below TOC)	Groundwater Elevation (feet) ²
GW188S ³	3.5 to 13.5	18.78	NM	NM
GW247S	4 to 14	18.91	3.56	15.35
GW248I	10 to 20	18.78	3.36	15.42
GW249S ³	4 to 14	18.85	NM	NM

Notes

- 1. S = shallow well; I = intermediate well.
- 2. Elevations in feet relative to National Geodetic Vertical Datum of 1929.
- 3. Depth to water measurement not collected at GW188S or GW249S during the fourth quarter 2019.

Abbreviations

bgs = below ground surface

NM = not measured

TOC = top of casing

TABLE 12: AOC-003 CONCENTRATIONS OF PRIMARY GEOCHEMICAL INDICATORS ¹ MAY 13, 2020

Boeing Renton Facility, Renton, Washington

	Well ID ² CPOC Area		
Parameter	GW247S	GW248I	
Specific Conductivity (µS/cm)	388.2	474.9	
Dissolved Oxygen (mg/L)	0.72	1.26	
Oxidation/Reduction Potential (mV)	-30.7	-29.3	
pH (standard units)	6.21	6.14	
Temperature (degrees C)	16.5	17.3	
Total Organic Carbon (mg/L)	10.91	14.28	

Notes

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

Abbreviations

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

TABLE 13: AOC-003 CONCENTRATIONS OF CONSTITUENTS OF CONCERN ^{1, 2} MAY 13, 2020

Boeing Renton Facility, Renton, Washington

		Well ID ³ CPOC Area						
Analyte	Current Cleanup Level ⁴	GW247S	GW248I					
Volatile Organic Compounds (µg/L)	Volatile Organic Compounds (μg/L)							
cis-1,2-Dichloroethene	0.78	0.584	0.020 U					
Tetrachloroethene	0.02	0.020 U	0.020 U					
Trichloroethene	0.16	0.020 U	0.020 U					
Vinyl Chloride	0.24	0.409	0.546					

Notes

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

Abbreviations

μg/L = micrograms per liter

AOC = Area of Concern

CPOC = conditional point of compliance

SWMU = Solid Waste Management Unit

TABLE 14: LOT 20/FORMER BUILDING 10-71 PARCEL GROUNDWATER ELEVATION DATA¹

MAY 12, 2020

Boeing Renton Facility, Renton, Washington

Well ID	Screen Interval Depth (feet bgs)	TOC Elevation (feet) ²	Depth to Groundwater (feet below TOC)	Groundwater Elevation (feet) ²
10-71-MW-1	7 to 17	30.07	8.24	21.83
10-71-MW-2	7 to 17	29.88	8.47	21.41
10-71-MW-4	6 to 16	28.97	8.26	20.71

Notes

- 1. Water levels not measured in monitoring well 10-71-MW-3 so it is not included in this table.
- 2. Elevations in feet relative to National Geodetic Vertical Datum of 1929.

Abbreviations

bgs = below ground surface

TOC = top of casing

TABLE 15: LOT 20/FORMER BUILDING 10-71 PARCEL CONCENTRATIONS OF PRIMARY GEOCHEMICAL INDICATORS ¹ MAY 12, 2020

Boeing Renton Facility, Renton, Washington

	Well ID					
Parameter	10-71-MW1	10-71-MW2	10-71-MW4			
Specific Conductivity (µS/cm)	197.0	204.5	330.5			
Dissolved Oxygen (mg/L)	0.74	1.04	1.04			
Oxidation/Reduction Potential (mV)	1.7	1.9	-1.8			
pH (standard units)	6.14	6.18	6.29			
Temperature (degrees C)	18.2	17.6	20.7			

<u>Notes</u>

1. Primary geochemical indicators are measured in the field.

Abbreviations

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

TABLE 16: LOT 20/FORMER BUILDING 10-71 PARCEL CONCENTRATIONS OF CONSTITUENTS OF CONCERN 1, 2 MAY 12, 2020

Boeing Renton Facility, Renton, Washington

	Well ID							
Analyte	10-71-MW1	10-71-MW2	10-71-MW4					
Volatile Organic Compounds (μg/L)								
cis- 1,2-Dichloroethene	0.20 U	0.20 U	0.20 U					
Toluene	0.20 U	0.20 U	0.20 U					
Trichloroethene	0.20 U	0.20 U	0.20 U					
Vinyl Chloride	0.20 U	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. No current cleanup standards were established for the Building 10-71 Parcel.

Abbreviations

 μ g/L = micrograms per liter

TABLE 17: APRON A GROUNDWATER ELEVATION DATA MAY 12, 2020

Boeing Renton Facility, Renton, Washington

Well ID	Screen Interval Depth (feet bgs)	TOC Elevation (feet) ¹	Depth to Groundwater (feet below TOC)	Groundwater Elevation (feet) ¹
GW262S	8 to 18	NA	4.71	NA
GW263S	8 to 18	NA	6.28	NA
GW264S	8 to 18	NA	4.22	NA

Notes

1. Elevations in feet relative to National Geodetic Vertical Datum of 1929.

Abbreviations

bgs = below ground surface

NA = not available

TOC = top of casing

TABLE 18: APRON A CONCENTRATIONS OF PRIMARY GEOCHEMICAL INDICATORS ¹ MAY 12, 2020

Boeing Renton Facility, Renton, Washington

	Well ID ² Source Area Wells					
		GW262S				
Parameter	GW262S	(field dup.)	GW264S			
Specific Conductivity (µS/cm)	470.1		662.0			
Dissolved Oxygen (mg/L)	0.98		1.56			
Oxidation/Reduction Potential (mV)	-39.6	NA	-61.2			
pH (standard units)	6.29		6.11			
Temperature (degrees C)	17.6		16.8			
Total Organic Carbon (mg/L)	32.45	33.04	32.93			

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

µS/cm = microsiemens per centimeter degrees C = degrees Celsius field dup. = field duplicate mg/L = milligrams per liter

mV = millivolts

NA = not analyzed

TABLE 19: APRON A CONCENTRATIONS OF CONSTITUENTS OF CONCERN¹

MAY 12, 2020

Boeing Renton Facility, Renton, Washington

	Well ID ²					
	GW262S	GW262S (field dup.)	GW264S			
Volatile Organic Compounds (μg/L)						
cis- 1,2-Dichloroethene	0.20 U	0.20 U	0.20 U			
Vinyl Chloride	0.20 U	0.20 U	1.48			

Notes

- 1. Data qualifiers are as follows:
 - U = The analyte was not detected at the reporting limit indicated.
- 2. No cleanup standards have been established for the Apron A Parcel.
- 2. S = shallow well.

Abbreviations

 μ g/L = micrograms per liter

wood.

Appendix A

TABLE A-1: GROUNDWATER COMPLIANCE MONITORING SCHEDULE

Boeing Renton Facility, Renton, Washington

Cleanup Action	Monitorin	g 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	×		NA	GW152S and GW153S	GW081S, GW172S, GW173S,	GW232S, GW233I, GW234S,		cis -1,2-DCE, PCE, TCE, VC	SW8260C SIM ⁶
					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	_ ^		INA	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 ⁹	х	X (1,3)	NA	GW193S ⁹	GW190S ^{8,9} , GW191D ^{8,9} , GW192S ^{8,9} ,	GW185S ^{8,9} , GW195S ^{8,9} , GW196D ^{8,9} , GW197S ^{8,9} , and		Benzene	SW8260C ⁶
AUC-001/AUC-002	(CPOC wells)	(all other wells)	NA	GW 1935	and GW246S ^{8,9}	GW245S ^{8,9}		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 cis -1,2-DCE, VC Lead	SW8260C SIM ⁶
AOC-003	(CPOC wells)	(all other wells)	IVA	GW2453	GW 1003	GW2473 and GW2461			SW6260C SIW
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)	GW0125 and GW0145	GW0033	GW 1473	GW253I, and GW254S	GW0103 and GW011D	TCE, cis -1,2-DCE	SW6260C SIW
								1,1,2-Trichloroethane, acetone, benzene, toluene, carbon tetrachloride, chloroform, cis -1,2-DCE, trans -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
ot 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.
- 8. Monitoring wells were abandoned on 11/25/2019 prior to Apron R construction and will be replaced upon completion of construction.
- $9. \ Groundwater \ monitoring \ and \ sampling \ will \ be \ suspended \ until \ completion \ of \ construction.$

Abbreviations:

AOC = area of concem 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
VCS = volatile organic compounds

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

Boeing Renton Facility, Renton, Washington

					Primary Geochemical Para		
Cleanup Action			ater Monitoring Wells				ig Frequency ³
Area	Cross-Gradient Wells	Source Area Wells	Downgradient Plume Wells	CPOC Wells	Indicators	Quarterly	Semiannual
SWMU-168	NA	GW228S ⁴	NA	GW229S, GW230I, 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 ⁷	NA	GW193S ⁷	GW190S ^{6,7} , GW191D ^{6,7} , GW192S ^{6,7} , and GW246S ^{6,7}	GW185S ^{6,7} , GW195S ^{6,7} , GW196D ^{6,7} , GW197S ^{6,7} , and GW245S ^{6,7}	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).
- 6. Monitoring wells were abandoned on 11/25/2019 prior to Apron R construction and will be replaced upon completion of construction.
- 7. Groundwater monitoring and sampling will be suspended until completion of construction.

Abbreviations:

AOC = area of concern

COCs = constituents of concern

CPOC = conditional point of compliance

EDR = Engineering Design Report

NA = not applicable

 $\mathsf{ORP} = \mathsf{oxidation} \; \mathsf{reduction} \; \mathsf{potential}$

SWMU = solid waste management unit

TOC = total organic carbon

wood.

Appendix B



	ne:	Boeing Rent	ion		Project Numbe	ı	0025217.099.0	199	
Event:		May-20			Date/Time:	05/ 11 /2020@	1253		
Sample Nun	nber:	RGW152S-	200511		Weather:	SUNNY			
Landau Repi	resentative:	CEB							
WATED LEV	VEL/WELL/PU	IDCE DATA							
Well Condition		Secure (YES)	١	Damaged (N	(O)	Describe	Flush Mount		
		` ′		•	,		Trush Mount	CWAN A N. (GL ODE 4
DTW Before		8.51	Time:		Flow through ce		4.5.0	GW Meter No.(s	
-	Date/Time:	-		End Purge:		05/ 11 /2020 @		Gallons Purged:	0.
Purge water d	lisposed to:		55-gal Drum		Storage Tank	☐ Ground	Other	SITE TREATM	ENT SYSTEM
Time	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity (NTU)	DTW (ft)	Internal Purge Volume (gal)	Comments/ Observations
	~					lings within the fo	_	>/= 1 flow	
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
1227	16.8	235.7	0.7	6.13	53.3		8.51		
1230	19.5	238.5	0.58	6.13	49.1		8.54		
1233		214.3	0.41	6.15	44.7	-	8.54		
				0.13	44./		0.34		
1236	19	194.3	0.37	6.16	41.5		-		
1239	18.5	178.4	0.33	6.17	38.1				
1242	18.3	170.3	0.36	6.19	36.2				
1245	18.5	166.6	0.36	6.2	34.2	-	-		
1243	10.5	100.0	0.30	0.2	37.2	•		·	
2 - 1 - T - C - C									
	LLECTION E		D. 'I		D /D T				
Sample Colle	cted With:		Bailer	4	Pump/Pump Type	_		— 5	
Made of:	Ų	Stainless Stee		PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proced	dure:	Alconox Was	sh 🔲	Tap Rinse	DI Water	Dedicated			
(By Numerica	al Order)	Other							
Sample Descr									
p.ic Dosci	ription (color, t	turbidity, odor,	, sheen, etc.):	CLEAR CO	LORLESS NO O	DOR NO SHEEN			
	ription (color, t	turbidity, odor,	, sheen, etc.):	CLEAR CO		DOR NO SHEEN			
Replicate	Temp	Cond.	D.O.	pH	ORP	Turbidity	DTW	Ferrous iron	Comments/
		·	· -				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 1 2	Temp (°F/°C) 18.7	Cond. (uS/cm) 166.2	D.O. (mg/L) 0.35	рН 6.2 6.2	ORP (mV) 33.8 33.1	Turbidity			
Replicate 1 2 3	Temp (°F/°C) 18.7 18.7	Cond. (uS/cm) 166.2 165.2	D.O. (mg/L) 0.35 0.37	6.2 6.2 6.21	ORP (mV) 33.8 33.1 32.6	Turbidity			
Replicate 1 2	Temp (°F/°C) 18.7 18.7 18.7	Cond. (uS/cm) 166.2 165.2 164.3	D.O. (mg/L) 0.35 0.37 0.38	6.2 6.2 6.21	ORP (mV) 33.8 33.1 32.6 32.4	Turbidity (NTU)			
Replicate 1 2 3	Temp (°F/°C) 18.7 18.7	Cond. (uS/cm) 166.2 165.2	D.O. (mg/L) 0.35 0.37	6.2 6.2 6.21	ORP (mV) 33.8 33.1 32.6	Turbidity			
Replicate 1 2 3 4 Average:	Temp (°F/°C) 18.7 18.7 18.7 18.5 18.7	Cond. (uS/cm) 166.2 165.2 164.3 163.3	D.O. (mg/L) 0.35 0.37 0.38 0.38	6.2 6.2 6.21 6.21	ORP (mV) 33.8 33.1 32.6 32.4 33.0	Turbidity (NTU)	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 18.7 18.7 18.7 18.5 18.5	Cond. (uS/cm) 166.2 165.2 164.3 163.3 164.8	D.O. (mg/L) 0.35 0.37 0.38 0.38	6.2 6.2 6.21 6.21 6.2 6.2	ORP (mV) 33.8 33.1 32.6 32.4 33.0	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 18.7 18.7 18.7 18.5 18.7 TYPICAL A (8260-SIM)	Cond. (uS/cm) 166.2 165.2 164.3 163.3 164.8 NALYSIS AL (8010) (8020	D.O. (mg/L) 0.35 0.37 0.38 0.38 0.4 LOWED PE	6.2 6.2 6.21 6.21 6.21 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20	ORP (mV) 33.8 33.1 32.6 32.4 33.0 TYPE (Circle all-Gx) (BTEX)	Turbidity (NTU) #DIV/0!	(ft)	nalysis below)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 18.7 18.7 18.5 18.7 TYPICAL A (8260-SIM) (8270D) (PA	Cond. (uS/cm) 166.2 165.2 164.3 163.3 164.8 NALYSIS AL (8010) (8020 tH) (NWTPH	D.O. (mg/L) 0.35 0.37 0.38 0.38 0.4 LOWED PE) (NWTPH-I-D) (NWTF	6.2 6.2 6.21 6.21 6.2 6.2 6.2 6.2 6.2 6.2 6.2 6.2 6.2 6.2	ORP (mV) 33.8 33.1 32.6 32.4 33.0 TYPE (Circle a) I-Gx) (BTEX) H-HCID) (8081)	Turbidity (NTU) #DIV/0! pplicable or write	non-standard a	nalysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 18.7 18.7 18.7 18.5 18.7 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu	Cond. (uS/cm) 166.2 165.2 164.3 163.3 164.8 NALYSIS AL (8010) (8020 AH) (NWTPH activity) (TDS	D.O. (mg/L) 0.35 0.37 0.38 0.38 0.4 LOWED PE) (NWTPH-I-D) (NWTF	6.2 6.2 6.21 6.21 6.2 6.2 6.2) 6.2 6.2 CR BOTTLE G) (NWTPH-PH-Dx) (TPH-Dx) (TPH-Dx) (Turbic D) (Turbic D) (Turbic D)	ORP (mV) 33.8 33.1 32.6 32.4 33.0 TYPE (Circle a) I-Gx) (BTEX) H-HCID) (8081)	#DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (6	non-standard a	nalysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 18.7 18.7 18.7 18.5 18.7 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Conduction) (COD) (TOC)	Cond. (uS/cm) 166.2 165.2 164.3 163.3 164.8 NALYSIS AL (8010) (8020 AH) (NWTPH activity) (TDS	D.O. (mg/L) 0.35 0.37 0.38 0.38 0.4 LOWED PE) (NWTPH-I-D)	6.2 6.21 6.21 6.21 6.2 6.2) 6.20 CR BOTTLE G) (NWTPF PH-Dx) (TPF OD) (Turbic tal Kiedahl N	ORP (mV) 33.8 33.1 32.6 32.4 33.0 TYPE (Circle all H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity	#DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (6	non-standard a	nalysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 18.7 18.7 18.7 18.5 18.7 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (TOC (Total Cyanid	Cond. (uS/cm) 166.2 165.2 164.3 163.3 164.8 NALYSIS AL (8010) (8020 AH) (NWTPH (ctivity) (TDS) (C5310C) (Totole) (WAD Cy.	D.O. (mg/L) 0.35 0.37 0.38 0.38 0.4 LOWED PF 1-D) (NWTPH-I-D) (NWTPH-I-	6.2 6.21 6.21 6.21 6.20 CR BOTTLE G) (NWTPI PH-Dx) (TPF OD) (Turbin tal Kiedahl N Cyanide)	ORP (mV) 33.8 33.1 32.6 32.4 33.0 TYPE (Circle all-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (BTEX)	#DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (6	non-standard a rease) Cl) (SO4) (NO	nalysis below) WA WA O WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 18.7 18.7 18.7 18.5 18.7 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Too (Total Cyanid (Total Metals)	Cond. (uS/cm) 166.2 165.2 164.3 163.3 164.8 NALYSIS AL (8010) (8020 AH) (NWTPH (activity) (TDS) (25310C) (Total) (e) (WAD Cyst) () (As) (Sb) (I	D.O. (mg/L) 0.35 0.37 0.38 0.38 0.4 LOWED PE (NWTPH-I-D) (N	6.2 6.21 6.21 6.21 6.2 CR BOTTLE G) (NWTPP PH-Dx) (TPP OD) (Turbic tal Kiedahl N Cyanide) () (Cd) (Co)	ORP (mV) 33.8 33.1 32.6 32.4 33.0 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) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR g) (K) (Na)
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 18.7 18.7 18.7 18.5 18.7 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Too (Total Cyanid (Total Metals)	Cond. (uS/cm) 166.2 165.2 164.3 163.3 164.8 NALYSIS AL (8010) (8020 AH) (NWTPH (activity) (TDS) (25310C) (Tot (be) (WAD Cy.) (c) (As) (Sb) (I (ctals) (As) (Sb)	D.O. (mg/L) 0.35 0.37 0.38 0.38 0.4 LOWED PE (NWTPH-I-D) (N	6.2 6.21 6.21 6.21 6.2 CR BOTTLE G) (NWTPP PH-Dx) (TPP OD) (Turbic tal Kiedahl N Cyanide) () (Cd) (Co)	ORP (mV) 33.8 33.1 32.6 32.4 33.0 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) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR g) (K) (Na)
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 18.7 18.7 18.7 18.5 18.7 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M-	Cond. (uS/cm) 166.2 165.2 164.3 163.3 164.8 NALYSIS AL (8010) (8020 AH) (NWTPH (activity) (TDS) (25310C) (Tot (be) (WAD Cy.) (c) (As) (Sb) (I (ctals) (As) (Sb)	D.O. (mg/L) 0.35 0.37 0.38 0.38 0.4 LOWED PE 0 (NWTPH- 1-D) (NWT	6.2 6.21 6.21 6.21 6.2 CR BOTTLE G) (NWTPP PH-Dx) (TPP OD) (Turbic tal Kiedahl N Cyanide) () (Cd) (Co)	ORP (mV) 33.8 33.1 32.6 32.4 33.0 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) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR g) (K) (Na)
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 18.7 18.7 18.7 18.5 18.7 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M-	Cond. (uS/cm) 166.2 165.2 164.3 163.3 164.8 NALYSIS AL (8010) (8020 AH) (NWTPH (ctivity) (TDS) (25310C) (Tot (e) (WAD Cyc.) (As) (Sb) (I (etals) (As) (Sb (g short list)	D.O. (mg/L) 0.35 0.37 0.38 0.38 0.4 LOWED PE 0 (NWTPH- 1-D) (NWT	6.2 6.21 6.21 6.21 6.2 CR BOTTLE G) (NWTPP PH-Dx) (TPP OD) (Turbic tal Kiedahl N Cyanide) () (Cd) (Co)	ORP (mV) 33.8 33.1 32.6 32.4 33.0 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) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR g) (K) (Na)
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 18.7 18.7 18.7 18.5 18.7 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M-	Cond. (uS/cm) 166.2 165.2 164.3 163.3 164.8 NALYSIS AL (8010) (8020 AH) (NWTPH (ctivity) (TDS) (25310C) (Tot (e) (WAD Cyc.) (As) (Sb) (I (etals) (As) (Sb (g short list)	D.O. (mg/L) 0.35 0.37 0.38 0.38 0.4 LOWED PE 0 (NWTPH- 1-D) (NWT	6.2 6.21 6.21 6.21 6.2 CR BOTTLE G) (NWTPP PH-Dx) (TPP OD) (Turbic tal Kiedahl N Cyanide) () (Cd) (Co)	ORP (mV) 33.8 33.1 32.6 32.4 33.0 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) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR g) (K) (Na)
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 18.7 18.7 18.7 18.5 18.7 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M-	Cond. (uS/cm) 166.2 165.2 164.3 163.3 164.8 NALYSIS AL (8010) (8020 AH) (NWTPH (ctivity) (TDS) (25310C) (Tot (e) (WAD Cyc.) (As) (Sb) (I (etals) (As) (Sb (g short list)	D.O. (mg/L) 0.35 0.37 0.38 0.38 0.4 LOWED PE 0 (NWTPH- 1-D) (NWT	6.2 6.21 6.21 6.21 6.2 CR BOTTLE G) (NWTPP PH-Dx) (TPP OD) (Turbic tal Kiedahl N Cyanide) () (Cd) (Co)	ORP (mV) 33.8 33.1 32.6 32.4 33.0 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) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR g) (K) (Na)
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 18.7 18.7 18.7 18.5 18.7 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M- VOC (Boein Methane Eth	Cond. (uS/cm) 166.2 165.2 164.3 163.3 164.8 NALYSIS AL (8010) (8020 AH) (NWTPH (ctivity) (TDS) (25310C) (Tot (e) (WAD Cyc.) (As) (Sb) (I (etals) (As) (Sb (g short list)	D.O. (mg/L) 0.35 0.37 0.38 0.38 0.4 LOWED PE 0 (NWTPH- 1-D) (NWT	6.2 6.21 6.21 6.21 6.2 CR BOTTLE G) (NWTPP PH-Dx) (TPP OD) (Turbic tal Kiedahl N Cyanide) () (Cd) (Co)	ORP (mV) 33.8 33.1 32.6 32.4 33.0 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) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR g) (K) (Na)
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 18.7 18.7 18.7 18.5 18.7 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M- VOC (Boein Methane Eth	Cond. (uS/cm) 166.2 165.2 164.3 163.3 164.8 NALYSIS AL (8010) (8020 AH) (NWTPH (ctivity) (TDS) (25310C) (Tot (e) (WAD Cyc.) (As) (Sb) (I (etals) (As) (Sb (g short list)	D.O. (mg/L) 0.35 0.37 0.38 0.38 0.4 LOWED PE () (NWTPH-I-D) (NWTP-I-D) (NWTPH-I-D) (pH 6.2 6.2 6.21 6.21 6.2 CR BOTTLE G) (NWTPF H-Dx) (TPF OD) (Turbic tal Kiedahl N Cyanide) () (Cd) (Co) Ca) (Cd) (Co)	ORP (mV) 33.8 33.1 32.6 32.4 33.0 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) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR g) (K) (Na)
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 18.7 18.7 18.7 18.5 18.7 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M- VOC (Boein Methane Eth	Cond. (uS/cm) 166.2 165.2 164.3 163.3 164.8 NALYSIS AL (8010) (8020 AH) (NWTPH (activity) (TDS) (25310C) (Tot (be) (WAD Cyc) (be) (As) (Sb) (I (etals) (As) (Sb (g short list) (ane Ethene Act	D.O. (mg/L) 0.35 0.37 0.38 0.38 0.4 LOWED PE () (NWTPH-I-D) (NWTP-I-D) (NWTPH-I-D) (pH 6.2 6.2 6.21 6.21 6.2 CR BOTTLE G) (NWTPF H-Dx) (TPF OD) (Turbic tal Kiedahl N Cyanide) () (Cd) (Co) Ca) (Cd) (Co)	ORP (mV) 33.8 33.1 32.6 32.4 33.0 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) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR



Project Nam	ne:	Boeing Renton			Project Number	r:	0025217.099.099			
Event:		May-20			Date/Time:	05/11 /2020@	737			
Sample Nun	nber:	RGWDUP1	200511		Weather:	SUNNY				
Landau Rep	resentative:	CEB								
WATERIEV	VEL/WELL/PU	IRGE DATA								
Well Condition		Secure (YES))	Damaged (N	(0)	Describe:	Flush Mount			
		Secure (TES)		Damaged (1			Trush Would	CW/Matan No. (.)	
DTW Before		05/ /2020 6	Time:	E 1D	Flow through ce			GW Meter No.(s)	
		05/ /2020 @		End Purge:		05/ /2020 @		Gallons Purged:		
Purge water of	disposed to:		55-gal Drum	Ш	Storage Tank	☐ Ground	Other	SITE TREATM	ENT SYSTEM	
	Temp	Cond.	D.O.	pН	ORP	Turbidity	DTW	Internal Purge	Comments/	
Time	(°F/°C)	(uS/cm)	(mg/L)		(mV)	(NTU)	(ft)	Volume (gal)	Observations	
	Purge Goal	ls: Stablizatioi +/- 3%		ers for three +/- 0.1 units	+/- 10 mV	dings within the fol	llowing limits < 0.3 ft	>/= 1 flow		
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 m v	+/- 10%	< 0.3 It	through cell		
		DIII	N 10			T.1. # 0.0				
		DUŁ	?LIC/	ATE I	TO RGV	N 152S				
	- ——							·		
						-		-		
CAMDLE CO	DLLECTION I) A T A								
Sample Colle			Bailer		Pump/Pump Type	`				
•	cted Willi.		_	-		_				
Made of:		Stainless Stee		PVC	Teflon	Polyethylene	U Other	☐ Dedicated		
Decon Procee	dure:	Alconox Was	sh 🔲	Tap Rinse	DI Water	☐ Dedicated				
(By Numerica	al Ordor)									
()	u Oraer)	Other								
		₩.	, sheen, etc.):	CLEAR CO	LORLESS NO O	DOR NO SHEEN				
Sample Desc	ription (color,	turbidity, odor,								
	ription (color,	turbidity, odor,	D.O.	CLEAR CO	ORP	Turbidity	DTW (ft)	Ferrous iron	Comments/	
Sample Description Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)		DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations	
Sample Desc	ription (color,	turbidity, odor,	D.O.		ORP	Turbidity				
Sample Description Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity				
Sample Description Replicate	Temp (°F/°C) 18.7	Cond. (uS/cm) 165.7	D.O. (mg/L) 0.36	pH 6.20 6.21	ORP (mV) 33.3 32.8	Turbidity				
Replicate 1 2 3	Temp (°F/°C) 18.7 18.6	Cond. (uS/cm) 165.7 164.8 163.5	D.O. (mg/L) 0.36 0.38	6.20 6.21 6.21	ORP (mV) 33.3 32.8 32.6	Turbidity				
Replicate 1 2	Temp (°F/°C) 18.7 18.6 18.4	Cond. (uS/cm) 165.7 164.8 163.5	D.O. (mg/L) 0.36 0.38 0.38	6.20 6.21 6.21 6.20	ORP (mV) 33.3 32.8 32.6 32.4	Turbidity (NTU)				
Replicate 1 2 3	Temp (°F/°C) 18.7 18.6	Cond. (uS/cm) 165.7 164.8 163.5	D.O. (mg/L) 0.36 0.38	6.20 6.21 6.21	ORP (mV) 33.3 32.8 32.6	Turbidity				
Replicate 1 2 3 4	Temp (°F/°C) 18.7 18.6 18.4	Cond. (uS/cm) 165.7 164.8 163.5 162.6	D.O. (mg/L) 0.36 0.38 0.39 0.38	6.20 6.21 6.21 6.20 6.21	ORP (mV) 33.3 32.8 32.6 32.4 32.8	Turbidity (NTU)	(ft)	(Fe II)		
Replicate 1 2 3 4 Average:	Temp (°F/°C) 18.7 18.6 18.4 18.6	Cond. (uS/cm) 165.7 164.8 163.5 162.6	D.O. (mg/L) 0.36 0.38 0.39 0.38 LOWED PE	6.20 6.21 6.20 6.21 6.20 6.20 6.21	ORP (mV) 33.3 32.8 32.6 32.4 32.8 TYPE (Circle a	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)		
Replicate 1 2 3 4 Average:	Temp (°F/°C) 18.7 18.6 18.4 18.6 TYPICAL A (8260-SIM)	Cond. (uS/cm) 165.7 164.8 163.5 162.6 164.2 NALYSIS AL (8010) (8020	D.O. (mg/L) 0.36 0.38 0.39 0.38 LOWED PE	6.20 6.21 6.21 6.20 6.21 6.20 6.21 CR BOTTLE	ORP (mV) 33.3 32.8 32.6 32.4 32.8 TYPE (Circle a H-Gx) (BTEX)	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	Observations	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 18.7 18.6 18.4 18.6 TYPICAL A (8260-SIM) (8270D) (PA	Cond. (uS/cm) 165.7 164.8 163.5 162.6 164.2 NALYSIS AL (8010) (8020 AH) (NWTPH	D.O. (mg/L) 0.36 0.38 0.39 0.38 LOWED PE) (NWTPH-I-D) (NWTF	6.20 6.21 6.20 6.21 6.20 6.21 6.20 6.21 CR BOTTLE G) (NWTPI PH-Dx) (TPI	ORP (mV) 33.3 32.8 32.6 32.4 32.8 TYPE (Circle a H-Gx) (BTEX) H-HCID) (8081)	Turbidity (NTU) #DIV/0!	(ft)	nalysis below) WA WA WA	Observations OR	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 18.7 18.6 18.4 18.6 (TYPICAL A (8260-SIM) (8270D) (PA (PH) (Condu	Cond. (uS/cm) 165.7 164.8 163.5 162.6 164.2 NALYSIS AL (8010) (8020 AH) (NWTPH activity) (TDS	D.O. (mg/L) 0.36 0.38 0.39 0.38 LOWED PE (NWTPH-I-D) (NWTFH-I-D) (NWTFH-	6.20 6.21 6.20 6.21 6.20 6.21 6.20 6.21 CR BOTTLE G) (NWTPP	ORP (mV) 33.3 32.8 32.6 32.4 32.8 TYPE (Circle a H-Gx) (BTEX) H-HCID) (8081)	#DIV/0! pplicable or write to (8141) (Oil & G.) (HCO3/CO3) (G.)	(ft)	nalysis below) WA WA WA	Observations OR	
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 18.7 18.6 18.4 18.6 (8260-SIM) (8270D) (PAC) (PH) (Conduction) (COD) (TOO)	Cond. (uS/cm) 165.7 164.8 163.5 162.6 164.2 NALYSIS AL (8010) (8020 AH) (NWTPH activity) (TDS	D.O. (mg/L) 0.36 0.38 0.39 0.38 LOWED PE 0. (NWTPH-I-D) (NWT	6.20 6.21 6.20 6.21 6.20 6.21 6.20 6.21 CR BOTTLE G) (NWTPF PH-Dx) (TPF OD) (Turbital Kiedahl N	ORP (mV) 33.3 32.8 32.6 32.4 32.8 TYPE (Circle a) H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity	#DIV/0! pplicable or write to (8141) (Oil & G.) (HCO3/CO3) (G.)	(ft)	nalysis below) WA WA WA	Observations OR	
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 18.7 18.6 18.4 18.6 (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Tool	Cond. (uS/cm) 165.7 164.8 163.5 162.6 164.2 NALYSIS AL (8010) (8020 AH) (NWTPH (activity) (TDS) (C5310C) (Total	D.O. (mg/L) 0.36 0.38 0.39 0.38 LOWED PF 0 (NWTPH-I-D) (NWTPH	6.20 6.21 6.20 6.21 6.20 6.21 CR BOTTLE G) (NWTPP PH-Dx) (TPI OD) (Turbi tal Kiedahl N Cyanide)	ORP (mV) 33.3 32.8 32.6 32.4 32.8 TYPE (Circle a H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3)	#DIV/0! pplicable or write to (8141) (Oil & G.) (HCO3/CO3) (G.)	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 OR	
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 18.7 18.6 18.4 18.6 TYPICAL A (8260-SIM) (8270D) (PA (PH) (Conduction (COD) (Total Cyanida (Total Metals)	Cond. (uS/cm) 165.7 164.8 163.5 162.6 164.2 NALYSIS AL (8010) (8020 AH) (NWTPH letivity) (TDS (25310C) (Tot le) (WAD Cyc) (As) (Sb) (I	D.O. (mg/L) 0.36 0.38 0.39 0.38 LOWED PE) (NWTPH-I-D) (NWTPH-I-D) (NWTPH-I-D) (NWTPH-I-D) (Togain PO4) (Togain PO4) (Togain PO4) (Togain PO4) (Call	6.20 6.21 6.20 6.21 6.20 6.21 6.20 6.21 CR BOTTLE G) (NWTPI PH-Dx) (TPI OD) (Turbi tal Kiedahl N Cyanide) () (Cd) (Co)	ORP (mV) 33.3 32.8 32.6 32.4 32.8 TYPE (Circle a di-Gx) (BTEX) H-HCID) (8081) (dity) (Alkalinity (itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write to the second of the	non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR	
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 18.7 18.6 18.4 18.6 TYPICAL A (8260-SIM) (8270D) (PA (PH) (Conduction (COD) (Total Cyanida (Total Metals)	Cond. (uS/cm) 165.7 164.8 163.5 162.6 164.2 NALYSIS AL (8010) (8020 AH) (NWTPH (100) (100) (Total) (100) (As) (Sb) (Ietals) (As) (Sb) (Sb)	D.O. (mg/L) 0.36 0.38 0.39 0.38 LOWED PE) (NWTPH-I-D) (NWTPH-I-D) (NWTPH-I-D) (NWTPH-I-D) (Togain PO4) (Togain PO4) (Togain PO4) (Togain PO4) (Call	6.20 6.21 6.20 6.21 6.20 6.21 6.20 6.21 CR BOTTLE G) (NWTPI PH-Dx) (TPI OD) (Turbi tal Kiedahl N Cyanide) () (Cd) (Co)	ORP (mV) 33.3 32.8 32.6 32.4 32.8 TYPE (Circle a di-Gx) (BTEX) H-HCID) (8081) (dity) (Alkalinity (itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write to the second of the	non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O 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) 18.7 18.6 18.4 18.6 (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 165.7 164.8 163.5 162.6 164.2 NALYSIS AL (8010) (8020 AH) (NWTPH (100) (100) (Total) (100) (As) (Sb) (Ietals) (As) (Sb) (Sb)	D.O. (mg/L) 0.36 0.38 0.39 0.38 LOWED PE 0 (NWTPH-I-D) (NWTPH	6.20 6.21 6.20 6.21 6.20 6.21 6.20 6.21 CR BOTTLE G) (NWTPI PH-Dx) (TPI OD) (Turbi tal Kiedahl N Cyanide) () (Cd) (Co)	ORP (mV) 33.3 32.8 32.6 32.4 32.8 TYPE (Circle a di-Gx) (BTEX) H-HCID) (8081) (dity) (Alkalinity (itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write to the second of the	non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O 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) 18.7 18.6 18.4 18.6 (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 165.7 164.8 163.5 162.6 164.2 NALYSIS AL (8010) (8020 AH) (NWTPH activity) (TDS (25310C) (Tot le) (WAD Cya) (As) (Sb) (I etals) (As) (Sb g short list)	D.O. (mg/L) 0.36 0.38 0.39 0.38 LOWED PE 0 (NWTPH-I-D) (NWTPH	6.20 6.21 6.20 6.21 6.20 6.21 6.20 6.21 CR BOTTLE G) (NWTPI PH-Dx) (TPI OD) (Turbi tal Kiedahl N Cyanide) () (Cd) (Co)	ORP (mV) 33.3 32.8 32.6 32.4 32.8 TYPE (Circle a di-Gx) (BTEX) H-HCID) (8081) (dity) (Alkalinity (itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write to the second of the	non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O 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) 18.7 18.6 18.4 18.6 (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 165.7 164.8 163.5 162.6 164.2 NALYSIS AL (8010) (8020 AH) (NWTPH activity) (TDS (25310C) (Tot le) (WAD Cya) (As) (Sb) (I etals) (As) (Sb g short list)	D.O. (mg/L) 0.36 0.38 0.39 0.38 LOWED PE 0 (NWTPH-I-D) (NWTPH	6.20 6.21 6.20 6.21 6.20 6.21 6.20 6.21 CR BOTTLE G) (NWTPI PH-Dx) (TPI OD) (Turbi tal Kiedahl N Cyanide) () (Cd) (Co)	ORP (mV) 33.3 32.8 32.6 32.4 32.8 TYPE (Circle a di-Gx) (BTEX) H-HCID) (8081) (dity) (Alkalinity (itrogen) (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 O 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) 18.7 18.6 18.4 18.6 (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 165.7 164.8 163.5 162.6 164.2 NALYSIS AL (8010) (8020 AH) (NWTPH activity) (TDS (25310C) (Tot le) (WAD Cya) (As) (Sb) (I etals) (As) (Sb g short list)	D.O. (mg/L) 0.36 0.38 0.39 0.38 LOWED PE 0 (NWTPH-I-D) (NWTPH	6.20 6.21 6.20 6.21 6.20 6.21 6.20 6.21 CR BOTTLE G) (NWTPI PH-Dx) (TPI OD) (Turbi tal Kiedahl N Cyanide) () (Cd) (Co)	ORP (mV) 33.3 32.8 32.6 32.4 32.8 TYPE (Circle a di-Gx) (BTEX) H-HCID) (8081) (dity) (Alkalinity (itrogen) (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 O 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) 18.7 18.6 18.4 18.6 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanica (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 165.7 164.8 163.5 162.6 164.2 NALYSIS AL (8010) (8020 AH) (NWTPH activity) (TDS (25310C) (Tot le) (WAD Cya) (As) (Sb) (I etals) (As) (Sb g short list)	D.O. (mg/L) 0.36 0.38 0.39 0.38 LOWED PE 0 (NWTPH-I-D) (NWTPH	6.20 6.21 6.20 6.21 6.20 6.21 6.20 6.21 CR BOTTLE G) (NWTPI PH-Dx) (TPI OD) (Turbi tal Kiedahl N Cyanide) () (Cd) (Co)	ORP (mV) 33.3 32.8 32.6 32.4 32.8 TYPE (Circle a di-Gx) (BTEX) H-HCID) (8081) (dity) (Alkalinity (itrogen) (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 O 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) 18.7 18.6 18.4 18.6 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanica (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 165.7 164.8 163.5 162.6 164.2 NALYSIS AL (8010) (8020 AH) (NWTPH activity) (TDS (25310C) (Tot le) (WAD Cya) (As) (Sb) (I etals) (As) (Sb g short list)	D.O. (mg/L) 0.36 0.38 0.39 0.38 LOWED PE () (NWTPH-I-D) (NWTP	6.20 6.21 6.20 6.21 6.20 6.21 6.20 6.21 CR BOTTLE G) (NWTPI PH-Dx) (TPI OD) (Turbi tal Kiedahl N Cyanide) () (Cd) (Co)	ORP (mV) 33.3 32.8 32.6 32.4 32.8 TYPE (Circle a di-Gx) (BTEX) H-HCID) (8081) (dity) (Alkalinity (itrogen) (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 O 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) 18.7 18.6 18.4 18.6 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanica (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 165.7 164.8 163.5 162.6 164.2 NALYSIS AL (8010) (8020 AH) (NWTPH letivity) (TDS C5310C) (Tot le) (WAD Cy. () (As) (Sb) (I etals) (As) (Sb g short list) lane Ethene Ac	D.O. (mg/L) 0.36 0.38 0.39 0.38 LOWED PE () (NWTPH-I-D) (NWTP	6.20 6.21 6.20 6.21 6.20 6.21 6.20 6.21 CR BOTTLE G) (NWTPI PH-Dx) (TPI OD) (Turbi tal Kiedahl N Cyanide) () (Cd) (Co)	ORP (mV) 33.3 32.8 32.6 32.4 32.8 TYPE (Circle a di-Gx) (BTEX) H-HCID) (8081) (dity) (Alkalinity (itrogen) (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 O 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) 18.7 18.6 18.4 18.6 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanica (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 165.7 164.8 163.5 162.6 164.2 NALYSIS AL (8010) (8020 AH) (NWTPH letivity) (TDS C5310C) (Tot le) (WAD Cy. () (As) (Sb) (I etals) (As) (Sb g short list) lane Ethene Ac	D.O. (mg/L) 0.36 0.38 0.39 0.38 LOWED PE () (NWTPH-I-D) (NWTP	6.20 6.21 6.20 6.21 6.20 6.21 6.20 6.21 CR BOTTLE G) (NWTPI PH-Dx) (TPI OD) (Turbi tal Kiedahl N Cyanide) () (Cd) (Co)	ORP (mV) 33.3 32.8 32.6 32.4 32.8 TYPE (Circle a di-Gx) (BTEX) H-HCID) (8081) (dity) (Alkalinity (itrogen) (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 O O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR	



Project Nam	ie:	Boeing Ren	ton		Project Numbe	r:	0025217.099.0	99	
Event:		May-20			Date/Time:	05/11 /2020@	1106		
Sample Nun	nber:	RGW153S-	200511		Weather:	SUNNY			
Landau Rep	resentative:	JAN			•				
WATER LEV	/EL/WELL/PU	JRGE DATA							
Well Condition		Secure (YES)	Damaged (N	(O)	Describe:	Flush Mount		
DTW Before	Purging (ft)	8.78	Time:	_	Flow through ce			GW Meter No.(s	; 1
	Date/Time:			End Purge:	-	05/ 11/2020 @	. 1102	Gallons Purged:	0.25
Purge water d			55-gal Drum	Ě	Storage Tank	Ground		SITE TREATM	
8	•	_				_	_		
Time	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity (NTU)	DTW (ft)	Internal Purge Volume (gal)	Comments/ Observations
7			. 0 /	ters for three	. ,	lings within the fo		>/= 1 flow	observations
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
1044	18.4	201.3	3.02	6.01	10.5		8.79		
1047	19.6	234.4	2.54	6.06	1.0		8.78		
1050	21.0	252.6	2.32	6.12	-3.7		8.78		
1053		266.2	2.18	6.17	-8.0				
								· 	
1056		272.8	2.04	6.20	-10.4				
1059	22.7	276.6	1.94	6.24	-12.5				
1101	22.8	278.2	1.86	6.25	-13.3				
SAMPLE CO	LLECTION I								
Sample Colle	cted With:		Bailer	_	Pump/Pump Type	DED. BLADDER		. <u></u>	
Made of:		Stainless Ste	el 🔲	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proceed	lure:	Alconox Was	sh 🔲	Tap Rinse	DI Water	Dedicated			
(By Numerica	ıl Order)	Other							
	,								
Sample Descr		-	, sheen, etc.):	SLIGHT TA	N, LOW TURB,	NO/NS.			
	ription (color,	turbidity, odor					DTW	Farrous iron	Comments/
Sample Descri Replicate		-	D.O. (mg/L)	SLIGHT TA	ORP (mV)	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) 278.6	D.O. (mg/L)	рН 6.26	ORP (mV)	Turbidity			
Replicate 1 2	Temp (°F/°C) 22.7 22.8	Cond. (uS/cm) 278.6	D.O. (mg/L) 1.83	pH 6.26 6.26	ORP (mV) -13.6 -13.7	Turbidity			
Replicate 1 2 3	Temp (°F/°C) 22.7 22.8	Cond. (uS/cm) 278.6 279.0	D.O. (mg/L) 1.83 1.83	pH 6.26 6.26 6.26	ORP (mV) -13.6 -13.7	Turbidity			
Replicate 1 2	Temp (°F/°C) 22.7 22.8	Cond. (uS/cm) 278.6	D.O. (mg/L) 1.83	pH 6.26 6.26	ORP (mV) -13.6 -13.7	Turbidity (NTU)			
Replicate 1 2 3	Temp (°F/°C) 22.7 22.8	Cond. (uS/cm) 278.6 279.0	D.O. (mg/L) 1.83 1.83	pH 6.26 6.26 6.26	ORP (mV) -13.6 -13.7	Turbidity			
Replicate 1 2 3 4	Temp (°F/°C) 22.7 22.8 22.8 22.8 22.8	Cond. (uS/cm) 278.6 278.8 279.0 278.9	D.O. (mg/L) 1.83 1.83 1.81 1.83	6.26 6.26 6.26 6.26 6.26	ORP (mV) -13.6 -13.7 -13.7 -14.3 -13.8	Turbidity (NTU)	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 22.7 22.8 22.8 22.8 22.8	Cond. (uS/cm) 278.6 278.8 279.0 278.9	D.O. (mg/L) 1.83 1.83 1.81 1.83 1.83	6.26 6.26 6.26 6.26 6.26 6.26	ORP (mV) -13.6 -13.7 -13.7 -14.3 -13.8 TYPE (Circle a)	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 22.7 22.8 22.8 22.8 22.8 (8260-SIM) (8270D) (PA	Cond. (uS/cm) 278.6 278.8 279.0 279.2 278.9 NALYSIS AI (8010) (8020)	D.O. (mg/L) 1.83 1.83 1.83 1.83 1.83 1.80 LOWED PP D) (NWTPH-I-D) (NWTPH-I-D) (NWTPH-I-D) (NWTPH-I-D)	6.26 6.26 6.26 6.26 6.26 6.26 6.27 CR BOTTLE G) (NWTPH	ORP (mV) -13.6 -13.7 -13.7 -14.3 -13.8 TYPE (Circle a) H-Gx) (BTEX) H-HCID) (8081)	#DIV/0!	non-standard a	nalysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 22.7 22.8 22.8 22.8 22.8 (8260-SIM) (8270D) (PA (pH) (Condu	Cond. (uS/cm) 278.6 278.8 279.0 279.2 278.9 NALYSIS AI (8010) (8020 AH) (NWTPHactivity) (TD:	D.O. (mg/L) 1.83 1.83 1.83 1.83 1.83 1.83 LOWED PH () (NWTPH-H-D) (NWTH (S) (TSS) (E	6.26 6.26 6.26 6.26 6.26 6.26 6.26 CR BOTTLE G) (NWTPF	ORP (mV) -13.6 -13.7 -13.7 -14.3 -13.8 TYPE (Circle all-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity	#DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (6	non-standard a	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 22.7 22.8 22.8 22.8 22.8 (8260-SIM) (8270D) (PA(PH) (Conduction) (Too	Cond. (uS/cm) 278.6 278.8 279.0 279.2 278.9 NALYSIS AI (8010) (8020 AH) (NWTPH detivity) (TD: 025310C) (To	D.O. (mg/L) 1.83 1.83 1.83 1.83 1.83 LLOWED PI 1.9) (NWTPH-I-D) (NWTPH-I-D) (NWTFH-I-D) (NWTFH-	6.26 6.26 6.26 6.26 6.26 6.26 6.26 CR BOTTLE G) (NWTPF PH-Dx) (TPF BOD) (Turbio ttal Kiedahl N	ORP (mV) -13.6 -13.7 -13.7 -14.3 -13.8 TYPE (Circle a) H-Gx) (BTEX) H-HCID) (8081)	#DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (6	non-standard a	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 22.7 22.8 22.8 22.8 22.8 (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Too	Cond. (uS/cm) 278.6 278.8 279.0 279.2 278.9 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TDS	D.O. (mg/L) 1.83 1.83 1.83 1.83 1.83 LOWED PP O) (NWTPH-H-D) (NWTPH-H-D	6.26 6.26 6.26 6.26 6.26 6.26 6.26 CR BOTTLE G) (NWTPP PH-Dx) (TPP BOD) (Turbio ttal Kiedahl N C Cyanide)	ORP (mV) -13.6 -13.7 -14.3 -13.8 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 rease) Cl) (SO4) (NO	nalysis below) WA WA O WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 22.7 22.8 22.8 22.8 22.8 22.8 (8260-SIM) (8270D) (PA(DH) (Conduction (COD) (Total Metals)	Cond. (uS/cm) 278.6 278.8 279.0 279.2 278.9 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TD: 0.000 CS310C) (To 0.000) (As) (Sb) (D.O. (mg/L) 1.83 1.83 1.83 1.83 1.83 LLOWED PH O) (NWTPH-H-D) (NWTH S) (TSS) (E tal PO4) (Total points) (Free panide) (Free panide) (Free panide) (Free panide) (Caranide) (Carani	6.26 6.26 6.26 6.26 6.26 6.26 6.26 CER BOTTLE GO (NWTPP PH-Dx) (TPP BOD) (Turbio stal Kiedahl N Cyanide) a) (Cd) (Co)	ORP (mV) -13.6 -13.7 -14.3 -13.8 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) ((NO3/NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NO	(Fe II) malysis below) WA WA OO WA OO OO OO (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 22.7 22.8 22.8 22.8 22.8 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Conduction) (Total Cyanid (Total Metals) (Dissolved M	Cond. (uS/cm) 278.6 278.8 279.0 279.2 278.9 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TDS (25310C) (To le) (WAD Cy) (As) (Sb) (etals) (As) (Sb) (cetals) (As) (Sb)	D.O. (mg/L) 1.83 1.83 1.83 1.83 1.83 LLOWED PH O) (NWTPH-H-D) (NWTH S) (TSS) (E tal PO4) (Total points) (Free panide) (Free panide) (Free panide) (Caranide) (Free panide) (Caranide) (Caranid	6.26 6.26 6.26 6.26 6.26 6.26 6.26 CER BOTTLE GO (NWTPP PH-Dx) (TPP BOD) (Turbio stal Kiedahl N Cyanide) a) (Cd) (Co)	ORP (mV) -13.6 -13.7 -14.3 -13.8 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) ((NO3/NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NO	(Fe II) malysis below) WA WA OO WA OO OO OO (TI) (V) (Zn) (H	Observations OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 22.7 22.8 22.8 22.8 22.8 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 278.6 278.8 279.0 279.2 278.9 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TDS (25310C) (To le) (WAD Cy) (As) (Sb) (etals) (As) (Sb) (cetals) (As) (Sb)	D.O. (mg/L) 1.83 1.83 1.83 1.83 1.83 1.83 LLOWED PI 1) (NWTPH-I-D) (NWTH-I-D) (N	6.26 6.26 6.26 6.26 6.26 6.26 6.26 CER BOTTLE GO (NWTPP PH-Dx) (TPP BOD) (Turbio stal Kiedahl N Cyanide) a) (Cd) (Co)	ORP (mV) -13.6 -13.7 -14.3 -13.8 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) ((NO3/NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NO	(Fe II) malysis below) WA WA OO WA OO OO OO (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 22.7 22.8 22.8 22.8 22.8 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 278.6 278.8 279.0 279.2 278.9 NALYSIS AI (8010) (8020 AH) (NWTPHactivity) (TD: (25310C) (To: (be) (WAD Cy) (As) (Sb) (etals) (As) (Sb; (g short list)	D.O. (mg/L) 1.83 1.83 1.83 1.83 1.83 1.83 LLOWED PI 1) (NWTPH-I-D) (NWTH-I-D) (N	6.26 6.26 6.26 6.26 6.26 6.26 6.26 CER BOTTLE GO (NWTPP PH-Dx) (TPP BOD) (Turbio stal Kiedahl N Cyanide) a) (Cd) (Co)	ORP (mV) -13.6 -13.7 -14.3 -13.8 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) ((NO3/NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NO	(Fe II) malysis below) WA WA OO WA OO OO OO (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 22.7 22.8 22.8 22.8 22.8 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 278.6 278.8 279.0 279.2 278.9 NALYSIS AI (8010) (8020 AH) (NWTPHactivity) (TD: (25310C) (To: (be) (WAD Cy) (As) (Sb) (etals) (As) (Sb; (g short list)	D.O. (mg/L) 1.83 1.83 1.83 1.83 1.83 1.83 LLOWED PI 1) (NWTPH-I-D) (NWTH-I-D) (N	6.26 6.26 6.26 6.26 6.26 6.26 6.26 CER BOTTLE GO (NWTPP PH-Dx) (TPP BOD) (Turbio stal Kiedahl N Cyanide) a) (Cd) (Co)	ORP (mV) -13.6 -13.7 -14.3 -13.8 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) ((NO3/NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NO	(Fe II) malysis below) WA WA OO WA OO OO OO (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 22.7 22.8 22.8 22.8 22.8 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 278.6 278.8 279.0 279.2 278.9 NALYSIS AI (8010) (8020 AH) (NWTPHactivity) (TD: (25310C) (To: (be) (WAD Cy) (As) (Sb) (etals) (As) (Sb; (g short list)	D.O. (mg/L) 1.83 1.83 1.83 1.83 1.83 1.83 LLOWED PI 1) (NWTPH-I-D) (NWTH-I-D) (N	6.26 6.26 6.26 6.26 6.26 6.26 6.26 CER BOTTLE GO (NWTPP PH-Dx) (TPP BOD) (Turbio stal Kiedahl N Cyanide) a) (Cd) (Co)	ORP (mV) -13.6 -13.7 -14.3 -13.8 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) ((NO3/NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NO	(Fe II) malysis below) WA WA OO WA OO OO OO (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 22.7 22.8 22.8 22.8 22.8 22.8 (8260-SIM) (8270D) (PA (PH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 278.6 278.8 279.0 279.2 278.9 NALYSIS AI (8010) (8020 AH) (NWTPHactivity) (TD: (25310C) (To: (be) (WAD Cy) (As) (Sb) (etals) (As) (Sb; (g short list)	D.O. (mg/L) 1.83 1.83 1.83 1.83 1.83 1.83 LLOWED PI 1) (NWTPH-I-D) (NWTH-I-D) (N	6.26 6.26 6.26 6.26 6.26 6.26 6.26 CER BOTTLE GO (NWTPP PH-Dx) (TPP BOD) (Turbio stal Kiedahl N Cyanide) a) (Cd) (Co)	ORP (mV) -13.6 -13.7 -14.3 -13.8 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) ((NO3/NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NO	(Fe II) malysis below) WA WA OO WA OO OO OO (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3 1 Duplicate Sar	Temp (°F/°C) 22.7 22.8 22.8 22.8 22.8 22.8 (8260-SIM) (8270D) (PA (PH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 278.6 278.8 279.0 279.2 278.9 NALYSIS AI (8010) (8020 AH) (NWTPHactivity) (TD: (25310C) (To: (be) (WAD Cy) (As) (Sb) (etals) (As) (Sb; (g short list)	D.O. (mg/L) 1.83 1.83 1.83 1.83 1.83 1.83 LLOWED PI 1) (NWTPH-I-D) (NWTH-I-D) (N	6.26 6.26 6.26 6.26 6.26 6.26 6.26 CER BOTTLE GO (NWTPP PH-Dx) (TPP BOD) (Turbio stal Kiedahl N Cyanide) a) (Cd) (Co)	ORP (mV) -13.6 -13.7 -14.3 -13.8 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) ((NO3/NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NO	(Fe II) malysis below) WA WA OO WA OO OO OO (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 22.7 22.8 22.8 22.8 22.8 22.8 (8260-SIM) (8270D) (PA (PH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 278.6 278.8 279.0 279.2 278.9 NALYSIS AI (8010) (8020 AH) (NWTPHactivity) (TD: (25310C) (To: (be) (WAD Cy) (As) (Sb) (etals) (As) (Sb; (g short list)	D.O. (mg/L) 1.83 1.83 1.83 1.83 1.83 1.83 LLOWED PI 1) (NWTPH-I-D) (NWTH-I-D) (N	6.26 6.26 6.26 6.26 6.26 6.26 6.26 CER BOTTLE GO (NWTPP PH-Dx) (TPP BOD) (Turbio stal Kiedahl N Cyanide) a) (Cd) (Co)	ORP (mV) -13.6 -13.7 -14.3 -13.8 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) ((NO3/NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NO	(Fe II) malysis below) WA WA OO WA OO OO OO (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR



Project Nan	ne:	Boeing Ren	ton		Project Numbe	r <u>:</u>	0025217.099.0	99	
Event:		May-20			Date/Time:	05/11 /2020@	1031		
Sample Nur	nber:	RGW081S-	200511		Weather:	SUNNY			
Landau Rep	resentative:	JAN			•				
WATER LE	VEL/WELL/PU	IRGE DATA							
Well Conditi		Secure (YES)	Damaged (N	(O)	Describe:	Flush Mount		
DTW Before		7.73	Time:	- '	Flow through ce		T Tubil 1/10 uliv	GW Meter No.(s	s 1
	Date/Time:			End Purge:	_	05/ 11/2020 @	1021	Gallons Purged:	0.25
		03/ 11/2020 (Ě			_		
Purge water	disposed to:		55-gal Drum		Storage Tank	Ground	Otner	SITE TREATM	ENI SYSIEM
Time	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity (NTU)	DTW (ft)	Internal Purge Volume (gal)	Comments/ Observations
	Purge Goal					dings within the fol	llowing limits < 0.3 ft	>/= 1 flow	
		+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%		through cell	
1007	18.1	209.8	1.88	6.01	7.7		7.73		
1010	18.7	220.4	1.85	5.99	4.7		7.73		
1013	20.3	232.4	1.70	6.04	-0.5		7.73		
1016	20.4	239.6	1.83	6.09	-2.7				
1019		244.4	1.79	6.12	-5.6				-
		277.7	1.//	0.12	-5.0	-			
1022	<u>-</u>					-		· 	
1024	<u> </u>								
SAMPLE CO	DLLECTION D								
Sample Colle	ected With:		Bailer		Pump/Pump Type	DED. BLADDER			
Made of:		Stainless Stee	el 🔲	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proce	dure:	Alconox Was	sh	Tap Rinse	DI Water	Dedicated			
(By Numerica	al Order)	Other			—				
Sample Desc	ription (color,	turbidity, odor	, sheen, etc.):	NOCOLOR,	LOW TURB, NO	D/NS.			
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	20.4	244.6	1.79	6.13	-6.0				
2	20.5	244.8	1.79	6.13	-6.1				
3	20.5	245.0	1.79	6.13	-6.3				
4	20.5	245.3	1.80	6.14	-6.6				
	20.5	244.9	1.79	6.13	-6.3	#DIV/0!		· 	
Average:	20.3	244.9	1./9	0.13	-0.3	#D1V/0:			
QUANTITY	TYPICAL A	NALYSIS AI	LOWED PI	ER BOTTLE	TYPE (Circle ap	pplicable or write	non-standard a	nalysis below)	
3	(8260-SIM)	(8010) (8020) (NWTPH-	G) (NWTPI	H-Gx) (BTEX)			WA 🗌	OR 🗌
	(8270D) (PA	AH) (NWTPI	I-D) (NWTI	PH-Dx) (TPI	H-HCID) (8081)	(8141) (Oil & G	rease)	WA 🗆	OR 🗆
	(pH) (Condu	ctivity) (TDS	S) (TSS) (E	BOD) (Turbi	dity) (Alkalinity)) (HCO3/CO3) (C	Cl) (SO4) (NO	03) (NO2) (F)	
1	(COD) (TOO	C5310C) (To	tal PO4) (To	otal Kiedahl N	itrogen) (NH3)	(NO3/NO2)			
	· •	le) (WAD Cy							
1	<u> </u>					(Pb) (Mg) (Mn) (-, , , , , , , , , , , , , , , , , , ,
	,		o) (Ba) (Be) (Ca) (Cd) (Co)	(Cr) (Cu) (Fe) (P	b) (Mg) (Mn) (Ni) ((Ag) (Se) (Tl) (V	/) (Zn) (Hg) (K) (Na) (Hardness) (Silio
	VOC (Boein								
	Methane Eth	ane Ethene A	cetylene						
	ļ								
1	- 41								
	others								
Duplicate Sa	L								
Duplicate Sa:	L								
•	L					Date:	5/11/2020		



Project Nam		Boeing Rent	.011		Project Numbe	-	0025217.099.0	77	
Event:		May-20			Date/Time:	05/ 11 /2020@	1107		
Sample Nun	nber:	RGW172S-	200511		Weather:	SUNNY			
Landau Rep	resentative:	CEB							
WATERIEV	VEL/WELL/PU	IRGE DATA							
Well Condition		Secure (YES)		Damaged (N	(O)	Describe:	Flush Mount		
		` ′		•			Trush Mount	CWM	GL ODE4
DTW Before		8.54	Time:		Flow through cel	-		GW Meter No.(s	
	Date/Time:			End Purge:		05/11 /2020 @		Gallons Purged:	
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
	~					lings within the fo	~	>/= 1 flow	
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
1046	17.7	356.6	0.30	6.30	53.7		8.69		
1049	17.8	332.6	0.08	6.42	30.7		8.69		
1052	17.6	307.3	0.07	6.52	7.7		8.69		
1055		300.8	0.08	6.53	0.3				
1058	17.6	297.4	0.09	6.53	-9.1		-		
1101	17.6	294.4	0.09	6.53	-10.1				
1104	17.6	291.1	0.10	6.53	-15.9				
1106	17.7	289.3	0.12	6.53	-18.6			·	
	DLLECTION D		0.12	0.55	-10.0			· <u> </u>	
Sample Colle			Bailer		Pump/Pump Type	:			
•		_	_	PVC	Teflon	Polyethylene	Other	Dedicated	
Made ot:								Dedicated	
	. 📙	Stainless Stee			₩		—		
Decon Procee		Alconox Was		Tap Rinse	DI Water	Dedicated	<u> </u>	_	
Decon Proced (By Numerical)	al Order)	Alconox Was	h 🗍	Tap Rinse	DI Water	Dedicated	₩	_	
Decon Proces	al Order)	Alconox Was	h 🗍	Tap Rinse	DI Water		<u> </u>	_	
Decon Proced (By Numerical Sample Descri	al Order)	Alconox Was Other curbidity, odor,	sheen, etc.):	Tap Rinse	DI Water	Dedicated DOR NO SHEEN			
Decon Proced (By Numerical)	nl Order) ription (color, t	Alconox Was Other urbidity, odor,	sheen, etc.):	Tap Rinse	DI Water LORLESS NO OI	DOR NO SHEEN Turbidity	DTW	Ferrous iron	Comments/ Observations
Decon Proceed (By Numerical Sample Description Replicate	al Order) ription (color, to the color) Temp (°F/°C)	Alconox Was Other urbidity, odor, Cond. (uS/cm)	sheen, etc.): D.O. (mg/L)	Tap Rinse CLEAR CO	DI Water LORLESS NO OI ORP (mV)	Dedicated DOR NO SHEEN		Ferrous iron (Fe II)	Comments/ Observations
Decon Proced (By Numerical Sample Descri	nl Order) ription (color, t	Alconox Was Other urbidity, odor,	sheen, etc.):	Tap Rinse	DI Water LORLESS NO OI	DOR NO SHEEN Turbidity	DTW		
Decon Proceed (By Numerical Sample Description Replicate	al Order) ription (color, to the color) Temp (°F/°C)	Alconox Was Other urbidity, odor, Cond. (uS/cm)	sheen, etc.): D.O. (mg/L)	Tap Rinse CLEAR CO	DI Water LORLESS NO OI ORP (mV)	DOR NO SHEEN Turbidity	DTW		
Decon Proceed (By Numerical Sample Description Replicate	ription (color, to Temp (°F/°C)	Alconox Was Other urbidity, odor, Cond. (uS/cm) 288.6	b.O. (mg/L)	Tap Rinse CLEAR CO pH 6.53	DI Water LORLESS NO OI ORP (mV) -19.6	DOR NO SHEEN Turbidity	DTW		
Replicate 1 2 3	ription (color, 1 Temp (°F/°C) 17.8 17.8 17.7	Alconox Was Other urbidity, odor, Cond. (uS/cm) 288.6 288.7 288.6	b.O. (mg/L) 0.12 0.13 0.13	Tap Rinse CLEAR CO. pH 6.53 6.53 6.53	DI Water LORLESS NO OI ORP (mV) -19.6 -20.3	DOR NO SHEEN Turbidity	DTW		
Replicate 1 2 3 4	ription (color, 1 Temp (°F/°C) 17.8 17.8 17.7 17.8	Alconox Was Other urbidity, odor, Cond. (uS/cm) 288.6 288.7 288.6 288.4	h	Tap Rinse CLEAR CO. pH 6.53 6.53 6.53	DI Water LORLESS NO OI ORP (mV) -19.6 -20.3 -21.1 -21.7	Dedicated DOR NO SHEEN Turbidity (NTU)	DTW		
Replicate 1 2 3	ription (color, 1 Temp (°F/°C) 17.8 17.8 17.7	Alconox Was Other urbidity, odor, Cond. (uS/cm) 288.6 288.7 288.6	b.O. (mg/L) 0.12 0.13 0.13	Tap Rinse CLEAR CO. pH 6.53 6.53 6.53	DI Water LORLESS NO OI ORP (mV) -19.6 -20.3	DOR NO SHEEN Turbidity	DTW		
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.8 17.8 17.8 17.8 17.8	Alconox Was Other urbidity, odor, Cond. (uS/cm) 288.6 288.7 288.6 288.4 288.6	h D.O. (mg/L) 0.12 0.13 0.13 0.13	Tap Rinse CLEAR CO. pH 6.53 6.53 6.53 6.53	ORP (mV) -19.6 -20.3 -21.1 -20.7	Dedicated DOR NO SHEEN Turbidity (NTU)	DTW (ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.8 17.8 17.8 17.8 17.8 17.8 17.8	Alconox Was Other urbidity, odor, Cond. (uS/cm) 288.6 288.7 288.6 288.4 288.6 NALYSIS AL	h D.O. (mg/L) 0.12 0.13 0.13 0.13 0.13	Tap Rinse CLEAR CO. pH 6.53 6.53 6.53 6.53 6.53	ORP (mV) -19.6 -20.3 -21.1 -20.7	Dedicated DOR NO SHEEN Turbidity (NTU) #DIV/0!	DTW (ft)	(Fe II)	
Decon Procect (By Numerical Sample Descri Replicate 1 2 3 4 Average:	ription (color, 1 Temp (°F/°C) 17.8 17.8 17.7 17.8 17.8 TYPICAL A (8260-SIM)	Alconox Was Other urbidity, odor, Cond. (uS/cm) 288.6 288.7 288.6 288.4 288.6 NALYSIS AL (8010) (8020)	D.O. (mg/L) 0.12 0.13 0.13 0.13 0.13 0.19 0.19 0.19	CLEAR CO: pH 6.53 6.53 6.53 6.53 6.53 6.53 6.53 6.5	ORP (mV) -19.6 -20.3 -21.1 -21.7 -20.7 TYPE (Circle apolitical distribution of the content	Dedicated DOR NO SHEEN Turbidity (NTU) #DIV/0!	DTW (ft)	nalysis below)	Observations
Decon Procect (By Numerical Sample Descri Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.8 17.8 17.8 17.8 17.8 17.8 17.8 17.8 17.8 17.8 17.8 17.8	Alconox Was Other urbidity, odor, Cond. (uS/cm) 288.6 288.7 288.6 288.4 288.6 NALYSIS AL (8010) (8020 H) (NWTPH	h D.O. (mg/L) 0.12 0.13 0.13 0.13 0.13 LOWED PE (NWTPH-	CLEAR CO. pH 6.53 6.53 6.53 6.53 6.53 6.53 6.59 CR BOTTLE G) (NWTPP	ORP (mV) -19.6 -20.3 -21.1 -21.7 -20.7 TYPE (Circle apolitical distribution of the company	Dedicated DOR NO SHEEN Turbidity (NTU) #DIV/0!	DTW (ft)	nalysis below) WA WA WA	Observations OR
Decon Procect (By Numerical Sample Descri Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.8 17.8 17.8 17.8 17.8 17.8 (8260-SIM) (8270D) (PA (pH) (Condu	Alconox Was Other urbidity, odor, Cond. (uS/cm) 288.6 288.7 288.6 288.4 288.6 NALYSIS AL (8010) (8020 .H) (NWTPH ctivity) (TDS	h D.O. (mg/L) 0.12 0.13 0.13 0.13 0.13 LOWED PE 0 (NWTPH-I-D) (NWTP	Tap Rinse CLEAR CO. pH 6.53 6.53 6.53 6.53 6.7 6.53 CR BOTTLE G) (NWTPH H-Dx) (TPH OD) (Turbic	ORP (mV) -19.6 -20.3 -21.1 -21.7 -20.7 TYPE (Circle apolitical distribution of the company	#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 3	Temp (°F/°C) 17.8 17.8 17.7 17.8 17.8 17.8 (8260-SIM) (8270D) (PA (pH) (Conduction) (COD) (TOC)	Alconox Was Other urbidity, odor, Cond. (uS/cm) 288.6 288.7 288.6 288.4 288.6 NALYSIS AL (8010) (8020 .H) (NWTPH ctivity) (TDS	D.O. (mg/L) 0.12 0.13 0.13 0.13 1.10WED PE 0.10 (NWTPH-E-D)	CLEAR CO. pH 6.53 6.53 6.53 6.53 6.53 6.7 CR BOTTLE G) (NWTPF H-Dx) (TPF OD) (Turbic tal Kiedahl N	DI Water LORLESS NO OI ORP (mV) -19.6 -20.3 -21.1 -21.7 -20.7 TYPE (Circle all-Gx) (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: QUANTITY 3	Temp (°F/°C) 17.8 17.8 17.7 17.8 17.8 17.8 (8260-SIM) (8270D) (PA (COD) (TOO (Total Cyanid	Alconox Was Other urbidity, odor, Cond. (uS/cm) 288.6 288.7 288.6 288.4 288.6 NALYSIS AL (8010) (8020 H) (NWTPH ctivity) (TDS C5310C) (Tote) (WAD Cy.	h D.O. (mg/L) 0.12 0.13 0.13 0.13 0.13 0.10 0.10 0.10 0.10	PH-Dx) (TPFOD) (Turbin tal Kiedahl N	DI Water LORLESS NO OI ORP (mV) -19.6 -20.3 -21.1 -21.7 -20.7 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity itrogen) (NH3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (6	DTW (ft) non-standard a rease) Cl) (SO4) (NO	nalysis below) WA WA ON O	Observations OR OR OR
Decon Procee (By Numerical Sample Description Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 17.8 17.8 17.8 17.8 17.8 17.8 (8260-SIM) (8270D) (PA (PH) (Condu (COD) (Too (Total Metals)	Alconox Was Other urbidity, odor, Cond. (uS/cm) 288.6 288.7 288.6 288.4 288.6 NALYSIS AL (8010) (8020 H) (NWTPH ctivity) (TDS 25310C) (Tote e) (WAD Cysto) (As) (Sb) (I	h D.O. (mg/L) 0.12 0.13 0.13 0.13 0.13 0.10 LOWED PE D) (NWTPH-D)	CLEAR CO. pH 6.53 6.53 6.53 6.53 6.53 CR BOTTLE G) (NWTPI PH-Dx) (TPFI OD) (Turbic tal Kiedahl N Cyanide) () (Cd) (Co)	DI Water LORLESS NO OI ORP (mV) -19.6 -20.3 -21.1 -21.7 -20.7 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity) (itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0!	DTW (ft) non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Decon Proceed (By Numerical Sample Description Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 17.8 17.8 17.8 17.8 17.8 17.8 (8260-SIM) (8270D) (PA (PH) (Condu (COD) (Too (Total Metals)	Alconox Was Other urbidity, odor, Cond. (uS/cm) 288.6 288.7 288.6 288.4 288.6 NALYSIS AL (8010) (8020 H) (NWTPH ctivity) (TDS ctivity) (TDS ctivity) (Tote) (WAD Cy. (As) (Sb) (I ctals) (As) (Sb)	h D.O. (mg/L) 0.12 0.13 0.13 0.13 0.13 0.10 LOWED PE D) (NWTPH-D)	CLEAR CO. pH 6.53 6.53 6.53 6.53 6.53 CR BOTTLE G) (NWTPI PH-Dx) (TPFI OD) (Turbic tal Kiedahl N Cyanide) () (Cd) (Co)	DI Water LORLESS NO OI ORP (mV) -19.6 -20.3 -21.1 -21.7 -20.7 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity) (itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0!	DTW (ft) non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Decon Procee (By Numerical Sample Description Replicate 1 2 3 4 Average: QUANTITY 3	ription (color, 1 Temp (°F/°C) 17.8 17.8 17.7 17.8 17.8 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M-	Alconox Was Other urbidity, odor, Cond. (uS/cm) 288.6 288.7 288.6 288.4 288.6 NALYSIS AL (8010) (8020 H) (NWTPH ctivity) (TDS ctivity) (TDS ctivity) (Tote) (WAD Cy. (As) (Sb) (I ctals) (As) (Sb)	h D.O. (mg/L) 0.12 0.13 0.13 0.13 0.13 1.13 0.15 1.13 1.10WED PE 1.10 (NWTPH-1-D) (NWTPH-1-D	CLEAR CO. pH 6.53 6.53 6.53 6.53 6.53 CR BOTTLE G) (NWTPI PH-Dx) (TPFI OD) (Turbic tal Kiedahl N Cyanide) () (Cd) (Co)	DI Water LORLESS NO OI ORP (mV) -19.6 -20.3 -21.1 -21.7 -20.7 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity) (itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0!	DTW (ft) non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	ription (color, 1 Temp (°F/°C) 17.8 17.8 17.7 17.8 17.8 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M-	Alconox Was Other urbidity, odor, Cond. (uS/cm) 288.6 288.7 288.6 288.4 288.6 NALYSIS AL (8010) (8020 H) (NWTPH ctivity) (TDS (5310C) (Tot e) (WAD Cyo o (As) (Sb) (I etals) (As) (Sb g short list)	h D.O. (mg/L) 0.12 0.13 0.13 0.13 0.13 1.13 0.15 1.13 1.10WED PE 1.10 (NWTPH-1-D) (NWTPH-1-D	CLEAR CO. pH 6.53 6.53 6.53 6.53 6.53 CR BOTTLE G) (NWTPI PH-Dx) (TPFI OD) (Turbic tal Kiedahl N Cyanide) () (Cd) (Co)	DI Water LORLESS NO OI ORP (mV) -19.6 -20.3 -21.1 -21.7 -20.7 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity) (itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0!	DTW (ft) non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Decon Procee (By Numerical Sample Description Replicate 1 2 3 4 Average: QUANTITY 3	ription (color, 1 Temp (°F/°C) 17.8 17.8 17.7 17.8 17.8 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M-	Alconox Was Other urbidity, odor, Cond. (uS/cm) 288.6 288.7 288.6 288.4 288.6 NALYSIS AL (8010) (8020 H) (NWTPH ctivity) (TDS (5310C) (Tot e) (WAD Cyo o (As) (Sb) (I etals) (As) (Sb g short list)	h D.O. (mg/L) 0.12 0.13 0.13 0.13 0.13 1.13 0.15 1.13 1.10WED PE 1.10 (NWTPH-1-D) (NWTPH-1-D	CLEAR CO. pH 6.53 6.53 6.53 6.53 6.53 CR BOTTLE G) (NWTPI PH-Dx) (TPFI OD) (Turbic tal Kiedahl N Cyanide) () (Cd) (Co)	DI Water LORLESS NO OI ORP (mV) -19.6 -20.3 -21.1 -21.7 -20.7 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity) (itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0!	DTW (ft) non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Decon Procect (By Numerical Sample Description Replicate 1 2 3 4 Average: QUANTITY 3	ription (color, 1 Temp (°F/°C) 17.8 17.8 17.7 17.8 17.8 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M-	Alconox Was Other urbidity, odor, Cond. (uS/cm) 288.6 288.7 288.6 288.4 288.6 NALYSIS AL (8010) (8020 H) (NWTPH ctivity) (TDS (5310C) (Tot e) (WAD Cyo o (As) (Sb) (I etals) (As) (Sb g short list)	h D.O. (mg/L) 0.12 0.13 0.13 0.13 0.13 1.13 0.15 1.13 1.10WED PE 1.10 (NWTPH-1-D) (NWTPH-1-D	CLEAR CO. pH 6.53 6.53 6.53 6.53 6.53 CR BOTTLE G) (NWTPI PH-Dx) (TPFI OD) (Turbic tal Kiedahl N Cyanide) () (Cd) (Co)	DI Water LORLESS NO OI ORP (mV) -19.6 -20.3 -21.1 -21.7 -20.7 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity) (itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0!	DTW (ft) non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Decon Proces (By Numerical Sample Description Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 17.8 17.8 17.8 17.8 17.8 17.8 17.8 (8260-SIM) (8270D) (PA (PH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M. VOC (Boein Methane Eth	Alconox Was Other urbidity, odor, Cond. (uS/cm) 288.6 288.7 288.6 288.4 288.6 NALYSIS AL (8010) (8020 H) (NWTPH ctivity) (TDS (5310C) (Tot e) (WAD Cyo o (As) (Sb) (I etals) (As) (Sb g short list)	h D.O. (mg/L) 0.12 0.13 0.13 0.13 0.13 1.13 0.15 1.13 1.10WED PE 1.10 (NWTPH-1-D) (NWTPH-1-D	CLEAR CO. pH 6.53 6.53 6.53 6.53 6.53 CR BOTTLE G) (NWTPI PH-Dx) (TPFI OD) (Turbic tal Kiedahl N Cyanide) () (Cd) (Co)	DI Water LORLESS NO OI ORP (mV) -19.6 -20.3 -21.1 -21.7 -20.7 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity) (itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0!	DTW (ft) non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Decon Proces (By Numerical Sample Description Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 17.8 17.8 17.8 17.8 17.8 17.8 17.8 (8260-SIM) (8270D) (PA (PH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M. VOC (Boein Methane Eth	Alconox Was Other urbidity, odor, Cond. (uS/cm) 288.6 288.7 288.6 288.4 288.6 NALYSIS AL (8010) (8020 H) (NWTPH ctivity) (TDS (5310C) (Tot e) (WAD Cyo o (As) (Sb) (I etals) (As) (Sb g short list)	h D.O. (mg/L) 0.12 0.13 0.13 0.13 0.13 1.13 0.15 1.13 1.10WED PE 1.10 (NWTPH-1-D) (NWTPH-1-D	CLEAR CO. pH 6.53 6.53 6.53 6.53 6.53 CR BOTTLE G) (NWTPI PH-Dx) (TPFI OD) (Turbic tal Kiedahl N Cyanide) () (Cd) (Co)	DI Water LORLESS NO OI ORP (mV) -19.6 -20.3 -21.1 -21.7 -20.7 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity) (itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0!	DTW (ft) non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Decon Procect (By Numerical Sample Description Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 17.8 17.8 17.8 17.8 17.8 17.8 17.8 (8260-SIM) (8270D) (PA (PH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M. VOC (Boein Methane Eth	Alconox Was Other urbidity, odor, Cond. (uS/cm) 288.6 288.7 288.6 288.4 288.6 NALYSIS AL (8010) (8020 H) (NWTPH ctivity) (TDS (5310C) (Tot e) (WAD Cyo o (As) (Sb) (I etals) (As) (Sb g short list)	h D.O. (mg/L) 0.12 0.13 0.13 0.13 0.13 1.13 0.15 1.13 1.10WED PE 1.10 (NWTPH-1-D) (NWTPH-1-D	CLEAR CO. pH 6.53 6.53 6.53 6.53 6.53 CR BOTTLE G) (NWTPI PH-Dx) (TPFI OD) (Turbic tal Kiedahl N Cyanide) () (Cd) (Co)	DI Water LORLESS NO OI ORP (mV) -19.6 -20.3 -21.1 -21.7 -20.7 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity) (itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0!	DTW (ft) non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR



Project Nam	ıe:	Boeing Rent	ton		Project Numbe	r:	0025217.099.0	99	
Event:		May-20			Date/Time:	05/11 /2020@	1143		
Sample Nun	nber:	RGW173S-	200511		Weather:	SUNNY			
Landau Rep	resentative:	CEB							
WATERIEV	/EL/WELL/PU	IRGE DATA							
Well Condition		Secure (YES))	Damaged (N	0)	Describe:	Flush Mount		
		` ′	Time:	•	Flow through ce		1 Idan Modit	GW Meter No.(s	s SI ODE4
DTW Before		8.65 05/11 /2020		End Purge:		05/ 11 /2020 @		=	
Begin Purge:		$\overline{}$		Ĕ			0.1	Gallons Purged:	0.25
Purge water d	isposed to:		55-gal Drum		Storage Tank	Ground	Other	SITE TREATM	ENI SYSIEM
an:	Temp	Cond.	D.O.	pН	ORP	Turbidity	DTW	Internal Purge	Comments/
Time	(°F/°C) Purge Goal	(uS/cm) ls: Stablization	(mg/L) n of Paramet	ers for three	(mV)	(NTU) lings within the fo	(ft) llowing limits	Volume (gal) >/= 1 flow	Observations
	+/- 3%	+/- 3%		+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
1121	15.8	303.5	1.61	6.19	31.5		8.65		
1124	17.4	340.4	1.03	6.19	25.1		8.52		
	• •							· ——	
1127		368.7	0.64	6.31	13.3		8.62		
1130	19.0	375.6	0.57	6.35	9.1				
1133	19.4	385.5	0.45	6.41	0.0				
1136	19.6	387.5	0.44	6.44	-6.3				
1139	19.8	388.4	0.45	6.45	-10.2				
1141	19.8	388.6	0.45	6.45	-11.1			· 	
	LLECTION E		0.13	0.15					
Sample Colle			Bailer		Pump/Pump Type	<u> </u>			
Made of:	П	Stainless Stee	_	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proced	lura:	Alconox Was		Tap Rinse	DI Water	Dedicated	₽		
(By Numerica		Other)11 <u> </u>	Tap Killse	DI Water	Dedicated			
(Dy Ivamerica	n Oraci)								
Sampla Dagar	mintion (color)	₩.	ahaan ata lu	CLEAD COL	ODI ESS NO O	OOD NO CHEEN			
Sample Descr	ription (color,	₩.	, sheen, etc.):	CLEAR CO	LORLESS NO O	OOR NO SHEEN			
Sample Descri Replicate	ription (color, t	₩.	, sheen, etc.):	CLEAR COL	LORLESS NO O	OOR NO SHEEN Turbidity	DTW	Ferrous iron	Comments/
		turbidity, odor,					DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
	Temp	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) 19.9	Cond. (uS/cm) 388.8 389.0	D.O. (mg/L) 0.45	pH 6.45 6.45	ORP (mV) -12.0 -12.7	Turbidity			
Replicate 1 2 3	Temp (°F/°C) 19.9 19.9	Cond. (uS/cm) 388.8 389.0	D.O. (mg/L) 0.45 0.46	pH 6.45 6.45 6.45	ORP (mV) -12.0 -12.7 -13.4	Turbidity			
Replicate 1 2	Temp (°F/°C) 19.9 19.9 20.0	Cond. (uS/cm) 388.8 389.0 389.1	D.O. (mg/L) 0.45 0.46 0.47	pH 6.45 6.45 6.45 6.45	ORP (mV) -12.0 -12.7 -13.4 -14.0	Turbidity (NTU)			
Replicate 1 2 3	Temp (°F/°C) 19.9 19.9	Cond. (uS/cm) 388.8 389.0	D.O. (mg/L) 0.45 0.46	pH 6.45 6.45 6.45	ORP (mV) -12.0 -12.7 -13.4	Turbidity			
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.9 19.9 20.0 19.9	Cond. (uS/cm) 388.8 389.0 389.1 389.3	D.O. (mg/L) 0.45 0.46 0.47 0.46	6.45 6.45 6.45 6.45 6.45	ORP (mV) -12.0 -12.7 -13.4 -14.0	Turbidity (NTU)	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.9 19.9 20.0 19.9 TYPICAL A	Cond. (uS/cm) 388.8 389.0 389.1 389.3	D.O. (mg/L) 0.45 0.46 0.47 0.46	6.45 6.45 6.45 6.45 6.45 6.45	ORP (mV) -12.0 -12.7 -13.4 -14.0 -13.0 TYPE (Circle a)	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.9 19.9 20.0 19.9 TYPICAL A (8260-SIM)	Cond. (uS/cm) 388.8 389.0 389.1 389.3 389.1 NALYSIS AL (8010) (8020	D.O. (mg/L) 0.45 0.46 0.47 0.46 LOWED PE	6.45 6.45 6.45 6.45 6.45 6.45 CR BOTTLE G) (NWTPF	ORP (mV) -12.0 -12.7 -13.4 -14.0 -13.0 TYPE (Circle ald H-Gx) (BTEX)	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.9 19.9 20.0 19.9 TYPICAL A (8260-SIM) (8270D) (PA	Cond. (uS/cm) 388.8 389.0 389.1 389.3 389.1 NALYSIS AL (8010) (8020 AH) (NWTPH	D.O. (mg/L) 0.45 0.46 0.47 0.46 LOWED PE) (NWTPH-I-D) (NWTF	6.45 6.45 6.45 6.45 6.45 6.7 6.45 6.45 6.45 CR BOTTLE G) (NWTPH-PH-Dx) (TPH-Dx)	ORP (mV) -12.0 -12.7 -13.4 -14.0 -13.0 TYPE (Circle a) I-Gx) (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) 19.9 19.9 20.0 19.9 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu	Cond. (uS/cm) 388.8 389.0 389.1 389.3 389.1 NALYSIS AL (8010) (8020 AH) (NWTPH activity) (TDS	D.O. (mg/L) 0.45 0.46 0.47 0.46 LOWED PE (NWTPH-I-D) (NWTF	6.45 6.45 6.45 6.45 6.45 6.15 6.45 6.15 6.17 6.17 6.17 6.17 6.17 6.17 6.17 6.17	ORP (mV) -12.0 -12.7 -13.4 -14.0 -13.0 TYPE (Circle a) I-Gx) (BTEX) H-HCID) (8081)	#DIV/0! pplicable or write (8141) (Oil & G (HCO3/CO3) (6	non-standard a	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 19.9 19.9 20.0 19.9 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Conduction) (TOO	Cond. (uS/cm) 388.8 389.0 389.1 389.3 389.1 NALYSIS AL (8010) (8020 AH) (NWTPH activity) (TDS	D.O. (mg/L) 0.45 0.46 0.47 0.46 LOWED PE) (NWTPH-I-D) (NWTP S) (TSS) (B all PO4) (To	6.45 6.45 6.45 6.45 6.45 6.10 6.45 6.10 6.10 6.10 6.10 6.10 6.10 6.10 6.10	ORP (mV) -12.0 -12.7 -13.4 -14.0 -13.0 TYPE (Circle a) H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity	#DIV/0! pplicable or write (8141) (Oil & G (HCO3/CO3) (6	non-standard a	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 19.9 19.9 20.0 19.9 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu	Cond. (uS/cm) 388.8 389.0 389.1 389.3 389.1 NALYSIS AL (8010) (8020 AH) (NWTPH (activity) (TDS) (C5310C) (Tot	D.O. (mg/L) 0.45 0.46 0.47 0.46 LOWED PF 0 (NWTPH-I-D) (NWTP	6.45 6.45 6.45 6.45 6.45 CR BOTTLE G) (NWTPFPH-Dx) (TPFFOD) (Turbio tal Kiedahl N	ORP (mV) -12.0 -12.7 -13.4 -14.0 -13.0 TYPE (Circle a) I-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity itrogen) (NH3)	#DIV/0! pplicable or write (8141) (Oil & G (HCO3/CO3) (6	non-standard a	nalysis below) WA WA O WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 19.9 19.9 20.0 19.9 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M	Cond. (uS/cm) 388.8 389.0 389.1 389.3 389.1 NALYSIS AL (8010) (8020 AH) (NWTPH (100) (100	D.O. (mg/L) 0.45 0.46 0.47 0.46 LOWED PE) (NWTPH-I-D) (NWTPH-I-D) (NWTPH-I-D) (TSS) (B all PO4) (To anide) (Free Ba) (Be) (Ca	6.45 6.45 6.45 6.45 6.45 6.7 6.45 6.45 6.45 CR BOTTLE G) (NWTPH-PH-Dx) (TPH-Dx) (TPH-Dx) (Turbid tal Kiedahl N Cyanide) (a) (Cd) (Co)	ORP (mV) -12.0 -12.7 -13.4 -14.0 -13.0 TYPE (Circle and Herman (BTEX) (BTEX) Herman (BTEX	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) ((NO3/NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NO	(Fe II) nalysis below) WA WA O WA O O O O O O O O O O O O O	Observations OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 19.9 19.9 20.0 19.9 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 388.8 389.0 389.1 389.3 389.1 NALYSIS AL (8010) (8020 AH) (NWTPH activity) (TDS (25310C) (Tot le) (WAD Cya) (As) (Sb) (I etals) (As) (Sb g short list)	D.O. (mg/L) 0.45 0.46 0.47 0.46 LOWED PE 0 (NWTPH-I-D) (NWTPH	6.45 6.45 6.45 6.45 6.45 6.7 6.45 6.45 6.45 CR BOTTLE G) (NWTPH-PH-Dx) (TPH-Dx) (TPH-Dx) (Turbid tal Kiedahl N Cyanide) (a) (Cd) (Co)	ORP (mV) -12.0 -12.7 -13.4 -14.0 -13.0 TYPE (Circle and Herman (BTEX) (BTEX) Herman (BTEX	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) ((NO3/NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NO	(Fe II) nalysis below) WA WA O WA O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 19.9 19.9 20.0 19.9 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 388.8 389.0 389.1 389.3 389.1 NALYSIS AL (8010) (8020 AH) (NWTPH (100) (100	D.O. (mg/L) 0.45 0.46 0.47 0.46 LOWED PE 0 (NWTPH-I-D) (NWTPH	6.45 6.45 6.45 6.45 6.45 6.7 6.45 6.45 6.45 CR BOTTLE G) (NWTPH-PH-Dx) (TPH-Dx) (TPH-Dx) (Turbid tal Kiedahl N Cyanide) (a) (Cd) (Co)	ORP (mV) -12.0 -12.7 -13.4 -14.0 -13.0 TYPE (Circle and Herman (BTEX) (BTEX) Herman (BTEX	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) ((NO3/NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NO	(Fe II) nalysis below) WA WA O WA O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 19.9 19.9 20.0 19.9 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 388.8 389.0 389.1 389.3 389.1 NALYSIS AL (8010) (8020 AH) (NWTPH activity) (TDS (25310C) (Tot le) (WAD Cya) (As) (Sb) (I etals) (As) (Sb g short list)	D.O. (mg/L) 0.45 0.46 0.47 0.46 LOWED PE 0 (NWTPH-I-D) (NWTPH	6.45 6.45 6.45 6.45 6.45 6.7 6.45 6.45 6.45 CR BOTTLE G) (NWTPH-PH-Dx) (TPH-Dx) (TPH-Dx) (Turbid tal Kiedahl N Cyanide) (a) (Cd) (Co)	ORP (mV) -12.0 -12.7 -13.4 -14.0 -13.0 TYPE (Circle and Herman (BTEX) (BTEX) Herman (BTEX	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) ((NO3/NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NO	(Fe II) nalysis below) WA WA O WA O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 19.9 19.9 20.0 19.9 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 388.8 389.0 389.1 389.3 389.1 NALYSIS AL (8010) (8020 AH) (NWTPH activity) (TDS (25310C) (Tot le) (WAD Cya) (As) (Sb) (I etals) (As) (Sb g short list)	D.O. (mg/L) 0.45 0.46 0.47 0.46 LOWED PE 0 (NWTPH-I-D) (NWTPH	6.45 6.45 6.45 6.45 6.45 6.7 6.45 6.45 6.45 CR BOTTLE G) (NWTPH-PH-Dx) (TPH-Dx) (TPH-Dx) (Turbid tal Kiedahl N Cyanide) (a) (Cd) (Co)	ORP (mV) -12.0 -12.7 -13.4 -14.0 -13.0 TYPE (Circle and Herman (BTEX) (BTEX) Herman (BTEX	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) ((NO3/NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NO	(Fe II) nalysis below) WA WA O WA O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 19.9 19.9 20.0 19.9 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 388.8 389.0 389.1 389.3 389.1 NALYSIS AL (8010) (8020 AH) (NWTPH activity) (TDS (25310C) (Tot le) (WAD Cya) (As) (Sb) (I etals) (As) (Sb g short list)	D.O. (mg/L) 0.45 0.46 0.47 0.46 LOWED PE 0 (NWTPH-I-D) (NWTPH	6.45 6.45 6.45 6.45 6.45 6.7 6.45 6.45 6.45 CR BOTTLE G) (NWTPH-PH-Dx) (TPH-Dx) (TPH-Dx) (Turbid tal Kiedahl N Cyanide) (a) (Cd) (Co)	ORP (mV) -12.0 -12.7 -13.4 -14.0 -13.0 TYPE (Circle and Herman (BTEX) (BTEX) Herman (BTEX	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) ((NO3/NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NO	(Fe II) nalysis below) WA WA O WA O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 19.9 19.9 20.0 19.9 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 388.8 389.0 389.1 389.3 389.1 NALYSIS AL (8010) (8020 AH) (NWTPH activity) (TDS (25310C) (Tot le) (WAD Cya) (As) (Sb) (I etals) (As) (Sb g short list)	D.O. (mg/L) 0.45 0.46 0.47 0.46 LOWED PE 0 (NWTPH-I-D) (NWTPH	6.45 6.45 6.45 6.45 6.45 6.7 6.45 6.45 6.45 CR BOTTLE G) (NWTPH-PH-Dx) (TPH-Dx) (TPH-Dx) (Turbid tal Kiedahl N Cyanide) (a) (Cd) (Co)	ORP (mV) -12.0 -12.7 -13.4 -14.0 -13.0 TYPE (Circle and Herman (BTEX) (BTEX) Herman (BTEX	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) ((NO3/NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NO	(Fe II) nalysis below) WA WA O WA O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3 1 1	Temp (°F/°C) 19.9 19.9 20.0 19.9 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 388.8 389.0 389.1 389.3 389.1 NALYSIS AL (8010) (8020 AH) (NWTPH (activity) (TDS) (25310C) (Tot (be) (WAD Cy: (c) (As) (Sb) (I (c) (tals) (As) (Sb) (g short list) (tane Ethene Ac	D.O. (mg/L) 0.45 0.46 0.47 0.46 LOWED PE 0 (NWTPH-I-D) (NWTPH	6.45 6.45 6.45 6.45 6.45 6.7 6.45 6.45 6.45 CR BOTTLE G) (NWTPH-PH-Dx) (TPH-Dx) (TPH-Dx) (Turbid tal Kiedahl N Cyanide) (a) (Cd) (Co)	ORP (mV) -12.0 -12.7 -13.4 -14.0 -13.0 TYPE (Circle and Herman (BTEX) (BTEX) Herman (BTEX	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) ((NO3/NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NO	(Fe II) nalysis below) WA WA O WA O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3 1 1 Duplicate Sar	Temp (°F/°C) 19.9 19.9 19.9 20.0 19.9 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 388.8 389.0 389.1 389.3 389.1 NALYSIS AL (8010) (8020 AH) (NWTPH (activity) (TDS) (25310C) (Tot (be) (WAD Cy: (c) (As) (Sb) (I (c) (tals) (As) (Sb) (g short list) (tane Ethene Ac	D.O. (mg/L) 0.45 0.46 0.47 0.46 LOWED PE 0 (NWTPH-I-D) (NWTPH	6.45 6.45 6.45 6.45 6.45 6.7 6.45 6.45 6.45 CR BOTTLE G) (NWTPH-PH-Dx) (TPH-Dx) (TPH-Dx) (Turbid tal Kiedahl N Cyanide) (a) (Cd) (Co)	ORP (mV) -12.0 -12.7 -13.4 -14.0 -13.0 TYPE (Circle and Herman (BTEX) (BTEX) Herman (BTEX	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) ((NO3/NO2) (Pb) (Mg) (Mn) (non-standard a rease) CI) (SO4) (NO	(Fe II) nalysis below) WA WA O WA O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR



Project Nam	ie:	Boeing Ren	ton		Project Number	r:	0025217.099.0	99	
Event:		May-20			Date/Time:	05/11 /2020@	1146		
Sample Nun	nber:	RGW226S-	200511		Weather:	SUNNY			
Landau Rep	resentative:	JAN							
WATERIEV	/EL/WELL/PU	IRGE DATA							
Well Condition		Secure (YES)	Damaged (N	(O)	Describe:	Flush Mount		
		` '	Time:	- '	Flow through ce		1 Idam Wodin	GW Matar No. (. 1
DTW Before		8.39 05/11/2020 (End Purge:	C	05/ 11/2020 @	1141	GW Meter No.(s Gallons Purged:	
Begin Purge:									0.25
Purge water d	isposed to:		55-gal Drum		Storage Tank	Ground	Other	SITE TREATM	ENI SYSIEM
Time	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity (NTU)	DTW (ft)	Internal Purge Volume (gal)	Comments/ Observations
	_					lings within the fo	~	>/= 1 flow	
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
1122	19.4	241.8	1.95	6.08	5.2		8.39		
1125	20.8	286.9	1.78	6.08	-4.8		8.39		
1128	22.1	309.3	1.70	6.18	-11.9		8.39		
							- 0.07		
1131	22.3	316.5	1.51	6.19	-13.7				
1134	22.8	317.0	1.35	6.21	-16.6				
1137	23.2	315.3	1.32	6.23	-18.0				
1139	23.6	313.5	1.99	6.25	-19.9				
SAMPLE CO	LLECTION D	DATA							
Sample Colle	cted With:		Bailer		Pump/Pump Type	DED. BLADDER			
Made of:		Stainless Stee	el 🔲	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Procee	lure:	Alconox Was	sh 🗖	Tap Rinse	DI Water	Dedicated			
(By Numerica		Other	·· •	Tup Tunio	□ 21 ··· a.c.	Boulouse			
Sample Descr	,	-	sheen etc):	TANISH I	OW-MED TURB	NO/NS			
Sample Descr	,	-	, sheen, etc.):	TANISH, LO	OW-MED TURB,	NO/NS.			
Sample Descri	,	-	, sheen, etc.):	TANISH, LO	OW-MED TURB,	NO/NS. Turbidity	DTW	Ferrous iron	Comments/
	ription (color,	turbidity, odor	· · · · · · · · · · · · · · · · · · ·				DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
	ription (color, t	turbidity, odor	D.O.		ORP	Turbidity			
Replicate	Temp (°F/°C)	Cond. (uS/cm) 313.4	D.O. (mg/L)	рН 6.25	ORP (mV)	Turbidity			
Replicate 1 2	Temp (°F/°C) 23.8 23.7	Cond. (uS/cm) 313.4	D.O. (mg/L) 1.87	pH 6.25 6.24	ORP (mV) -20.0 -20.1	Turbidity			
Replicate 1 2 3	Temp (°F/°C) 23.8 23.7 23.7	Cond. (uS/cm) 313.4 313.4 313.2	D.O. (mg/L) 1.87 1.82	6.25 6.24 6.25	ORP (mV) -20.0 -20.1	Turbidity			
Replicate 1 2	Temp (°F/°C) 23.8 23.7	Cond. (uS/cm) 313.4	D.O. (mg/L) 1.87	pH 6.25 6.24	ORP (mV) -20.0 -20.1	Turbidity			
Replicate 1 2 3	Temp (°F/°C) 23.8 23.7 23.7	Cond. (uS/cm) 313.4 313.4 313.2	D.O. (mg/L) 1.87 1.82	6.25 6.24 6.25	ORP (mV) -20.0 -20.1	Turbidity			
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.8 23.7 23.7 23.7 23.7	Cond. (uS/cm) 313.4 313.4 313.2 313.0 313.3	D.O. (mg/L) 1.87 1.82 1.83 1.89	6.25 6.24 6.25 6.25 6.25	ORP (mV) -20.0 -20.1 -20.2 -20.3 -20.2	Turbidity (NTU)	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.8 23.7 23.7 23.7 23.7	Cond. (uS/cm) 313.4 313.4 313.2 313.0 313.3	D.O. (mg/L) 1.87 1.82 1.83 1.89 1.85	6.25 6.24 6.25 6.25 6.25 6.25	ORP (mV) -20.0 -20.1 -20.2 -20.3 -20.2 TYPE (Circle a)	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.8 23.7 23.7 23.7 23.7 TYPICAL A (8260-SIM)	Cond. (uS/cm) 313.4 313.2 313.0 313.3 NALYSIS AI (8010) (8020	D.O. (mg/L) 1.87 1.82 1.83 1.89 1.85 LOWED PF	6.25 6.24 6.25 6.25 6.25 6.25 6.26 CR BOTTLE	ORP (mV) -20.0 -20.1 -20.2 -20.3 -20.2 TYPE (Circle and H-Gx) (BTEX)	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.8 23.7 23.7 23.7 23.7 TYPICAL A (8260-SIM) (8270D) (PA	Cond. (uS/cm) 313.4 313.2 313.0 313.3 NALYSIS AI (8010) (8020 AH) (NWTPH	D.O. (mg/L) 1.87 1.82 1.83 1.89 1.85 LOWED PF) (NWTPH-I-D) (NWTF	6.25 6.24 6.25 6.25 6.25 6.25 6.26 CR BOTTLE G) (NWTPI	ORP (mV) -20.0 -20.1 -20.2 -20.3 -20.2 TYPE (Circle a) I-Gx) (BTEX) H-HCID) (8081)	Turbidity (NTU) #DIV/0!	non-standard a	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.8 23.7 23.7 23.7 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Conduction)	Cond. (uS/cm) 313.4 313.4 313.2 313.0 313.3 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TDS)	D.O. (mg/L) 1.87 1.82 1.83 1.89 1.85 LOWED PF () (NWTPH-I-D) (NWTFH-I-D) (NWTFH-I-D	6.25 6.24 6.25 6.25 6.25 6.25 6.26 R BOTTLE G) (NWTPF PH-Dx) (TPF DOD) (Turbic	ORP (mV) -20.0 -20.1 -20.2 -20.3 -20.2 TYPE (Circle a) I-Gx) (BTEX) H-HCID) (8081)	#DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (6	non-standard a	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 23.8 23.7 23.7 23.7 TYPICAL A (8260-SIM) (8270D) (PA (PH) (Conduction) (TOO)	Cond. (uS/cm) 313.4 313.4 313.2 313.0 313.3 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TDS)	D.O. (mg/L) 1.87 1.82 1.83 1.89 1.85 LOWED PE 1) (NWTPH-I-D) (NWTFH-I-D)	6.25 6.24 6.25 6.25 6.25 6.25 6.26 CR BOTTLE G) (NWTPF PH-Dx) (TPF BOD) (Turbic tal Kiedahl N	ORP (mV) -20.0 -20.1 -20.2 -20.3 -20.2 TYPE (Circle application of the company of the comp	#DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (6	non-standard a	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 23.8 23.7 23.7 23.7 23.7 TYPICAL A (8260-SIM) (8270D) (PA (PH) (Conduction (COD) (Too (Total Cyanidal (Cod)))	Cond. (uS/cm) 313.4 313.4 313.2 313.0 313.3 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TDS	D.O. (mg/L) 1.87 1.82 1.83 1.89 1.85 LOWED PF () (NWTPH-I-D)	6.25 6.24 6.25 6.25 6.25 6.25 CR BOTTLE G) (NWTPP PH-Dx) (TPP BOD) (Turbic tal Kiedahl N Cyanide)	ORP (mV) -20.0 -20.1 -20.2 -20.3 -20.2 TYPE (Circle a) H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity) itrogen) (NH3)	#DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (6	non-standard a	nalysis below) WA WA O WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 23.8 23.7 23.7 23.7 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 313.4 313.2 313.0 313.3 NALYSIS AI (8010) (8020 AH) (NWTPFletivity) (TDS (1200) (Total (1200)) (AS) (Sb) (Cond (1200)) (As) (Sb) (Cond (1200))	1.87 1.82 1.83 1.89 1.85 1.0WED PF 1. (NWTPH-I-D) (NWT	6.25 6.24 6.25 6.25 6.25 6.25 6.26 CR BOTTLE GO) (Turbic tal Kiedahl Na Cyanide)	ORP (mV) -20.0 -20.1 -20.2 -20.3 -20.2 TYPE (Circle alder of the content of	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G (HCO3/CO3) (0 (NO3/NO2)	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) 23.8 23.7 23.7 23.7 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 313.4 313.2 313.0 313.3 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TDS (25310C) (Total (be) (WAD Cy (c) (As) (Sb) (cetals) (As) (Sb) (cetals)	1.87 1.82 1.83 1.89 1.85 1.0WED PF 1. (NWTPH-I-D) (NWT	6.25 6.24 6.25 6.25 6.25 6.25 6.26 CR BOTTLE GO) (Turbic tal Kiedahl Na Cyanide)	ORP (mV) -20.0 -20.1 -20.2 -20.3 -20.2 TYPE (Circle alder of the content of	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G (HCO3/CO3) (0 (NO3/NO2)	non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 23.8 23.7 23.7 23.7 23.7 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 313.4 313.2 313.0 313.3 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TDS (25310C) (Total (be) (WAD Cy (c) (As) (Sb) (cetals) (As) (Sb) (cetals)	D.O. (mg/L) 1.87 1.82 1.83 1.89 1.85 LOWED PE 1) (NWTPH-I-D) (NWTPH-I-D	6.25 6.24 6.25 6.25 6.25 6.25 6.26 CR BOTTLE GO) (Turbic tal Kiedahl Na Cyanide)	ORP (mV) -20.0 -20.1 -20.2 -20.3 -20.2 TYPE (Circle alder of the content of	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G (HCO3/CO3) (0 (NO3/NO2)	non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 23.8 23.7 23.7 23.7 23.7 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 313.4 313.2 313.0 313.3 NALYSIS AI (8010) (8020 AH) (NWTPHactivity) (TDS (25310C) (Total) (le) (WAD Cy) (As) (Sb) (detals) (As) (Sb) (g short list)	D.O. (mg/L) 1.87 1.82 1.83 1.89 1.85 LOWED PE 1) (NWTPH-I-D) (NWTPH-I-D	6.25 6.24 6.25 6.25 6.25 6.25 6.26 CR BOTTLE GO) (Turbic tal Kiedahl Na Cyanide)	ORP (mV) -20.0 -20.1 -20.2 -20.3 -20.2 TYPE (Circle alder of the content of	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G (HCO3/CO3) (0 (NO3/NO2)	non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 23.8 23.7 23.7 23.7 23.7 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 313.4 313.2 313.0 313.3 NALYSIS AI (8010) (8020 AH) (NWTPHactivity) (TDS (25310C) (Total) (le) (WAD Cy) (As) (Sb) (detals) (As) (Sb) (g short list)	D.O. (mg/L) 1.87 1.82 1.83 1.89 1.85 LOWED PE 1) (NWTPH-I-D) (NWTPH-I-D	6.25 6.24 6.25 6.25 6.25 6.25 6.26 CR BOTTLE GO) (Turbic tal Kiedahl Na Cyanide)	ORP (mV) -20.0 -20.1 -20.2 -20.3 -20.2 TYPE (Circle alder of the content of	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G (HCO3/CO3) (0 (NO3/NO2)	non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 23.8 23.7 23.7 23.7 23.7 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 313.4 313.2 313.0 313.3 NALYSIS AI (8010) (8020 AH) (NWTPHactivity) (TDS (25310C) (Total) (le) (WAD Cy) (As) (Sb) (detals) (As) (Sb) (g short list)	D.O. (mg/L) 1.87 1.82 1.83 1.89 1.85 LOWED PE 1) (NWTPH-I-D) (NWTPH-I-D	6.25 6.24 6.25 6.25 6.25 6.25 6.26 CR BOTTLE GO) (Turbic tal Kiedahl Na Cyanide)	ORP (mV) -20.0 -20.1 -20.2 -20.3 -20.2 TYPE (Circle alder of the content of	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G (HCO3/CO3) (0 (NO3/NO2)	non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 23.8 23.7 23.7 23.7 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 313.4 313.2 313.0 313.3 NALYSIS AI (8010) (8020 AH) (NWTPHactivity) (TDS (25310C) (Total) (le) (WAD Cy) (As) (Sb) (detals) (As) (Sb) (g short list)	D.O. (mg/L) 1.87 1.82 1.83 1.89 1.85 LOWED PE 1) (NWTPH-I-D) (NWTPH-I-D	6.25 6.24 6.25 6.25 6.25 6.25 6.26 CR BOTTLE GO) (Turbic tal Kiedahl Na Cyanide)	ORP (mV) -20.0 -20.1 -20.2 -20.3 -20.2 TYPE (Circle alder of the content of	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G (HCO3/CO3) (0 (NO3/NO2)	non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3 1 Duplicate Sar	Temp (°F/°C) 23.8 23.7 23.7 23.7 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 313.4 313.2 313.0 313.3 NALYSIS AI (8010) (8020 AH) (NWTPHactivity) (TDS (25310C) (Total) (le) (WAD Cy) (As) (Sb) (detals) (As) (Sb) (g short list)	D.O. (mg/L) 1.87 1.82 1.83 1.89 1.85 LOWED PE 1) (NWTPH-I-D) (NWTPH-I-D	6.25 6.24 6.25 6.25 6.25 6.25 6.26 CR BOTTLE GO) (Turbic tal Kiedahl Na Cyanide)	ORP (mV) -20.0 -20.1 -20.2 -20.3 -20.2 TYPE (Circle alder of the content of	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G (HCO3/CO3) (0 (NO3/NO2)	non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 23.8 23.7 23.7 23.7 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 313.4 313.2 313.0 313.3 NALYSIS AI (8010) (8020 AH) (NWTPHactivity) (TDS (25310C) (Total) (le) (WAD Cy) (As) (Sb) (detals) (As) (Sb) (g short list)	D.O. (mg/L) 1.87 1.82 1.83 1.89 1.85 LOWED PE 1) (NWTPH-I-D) (NWTPH-I-D	6.25 6.24 6.25 6.25 6.25 6.25 6.26 CR BOTTLE GO) (Turbic tal Kiedahl Na Cyanide)	ORP (mV) -20.0 -20.1 -20.2 -20.3 -20.2 TYPE (Circle alder of the content of	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G (HCO3/CO3) (0 (NO3/NO2)	non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR



Project Nam	ne:	Boeing Rent	on		Project Numbe	r <u>:</u>	0025217.099.0	99	
Event:		May-20			Date/Time:	05/11 /2020@	911		
Sample Nun	nber:	RGW232S-	200511		Weather:	CLOUDY			
Landau Rep	resentative:	JAN			·				
WATER LEV	VEL/WELL/PU	IRGE DATA							
Well Condition		Secure (YES)	1	Damaged (N	(O)	Describe:	Flush Mount		
DTW Before		6.32	Time:	- '	Flow through ce			GW Meter No.(s	s 1
	Date/Time:		845	End Purge:	-	05/ 11/2020 @	906	Gallons Purged:	0.5
Purge water of			55-gal Drum		Storage Tank	Ground		SITE TREATM	
i uige water c	nsposed to.	₩	55-gai Diuiii		Storage Talik	i Ground	Other	SITE TREATM	ENTSISIEM
Time	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity (NTU)	DTW (ft)	Internal Purge Volume (gal)	Comments/ Observations
Time	` /	` ,	` ' '	ters for three	` /	lings within the fo	` '	>/= 1 flow	Observations
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
848	16.3	456.2	2.15	5.79	12.8		6.67		
851	17.0	476.8	2.33	5.77	7.0		6.72		
854		490.2	2.20	5.86	0.3		6.74		-
	·								
857	18.2	502	2.28	5.93	-5.0		6.78	-	
900	18.4	509	2.62	5.98	-8.1		6.82		
903	18.6	514	3.13	6.06	-13.4		6.85		
905	18.7	516	2.61	6.09	-15.4				
SAMPLE CO	DLLECTION D	DATA							
Sample Colle	ected With:		Bailer		Pump/Pump Type	DED. BLADDER			
Made of:		Stainless Stee	ı 🗖	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proces	dure:	Alconox Was	h 🗖	Tap Rinse	DI Water	Dedicated	_	_	
(By Numerica	al Order)	Other	-	1	4				
Sample Desc	ription (color,	turbidity, odor,	sheen, etc.):	NO COLOR	, LOW TURB, N	O/NS.			
Sample Desc	ription (color,	turbidity, odor,	sheen, etc.):	NO COLOR	, LOW TURB, N	O/NS.			
Sample Describerate Replicate	ription (color, t	Cond.	D.O.	NO COLOR	, LOW TURB, N	Turbidity	DTW	Ferrous iron	Comments/
							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 1 2	Temp (°F/°C) 18.6	Cond. (uS/cm) 516	D.O. (mg/L) 3.18 3.25	pH 6.10 6.10	ORP (mV) -15.8	Turbidity			
Replicate 1 2 3	Temp (°F/°C) 18.6 18.6	Cond. (uS/cm) 516 517	D.O. (mg/L) 3.18 3.25 3.40	pH 6.10 6.10 6.10	ORP (mV) -15.8 -15.9	Turbidity			
Replicate 1 2 3 4	Temp (°F/°C) 18.6 18.6 18.7	Cond. (uS/cm) 516 517 517	D.O. (mg/L) 3.18 3.25 3.40 3.67	6.10 6.10 6.10 6.11	ORP (mV) -15.8 -15.9 -16.0	Turbidity (NTU)			
Replicate 1 2 3	Temp (°F/°C) 18.6 18.6	Cond. (uS/cm) 516 517	D.O. (mg/L) 3.18 3.25 3.40	pH 6.10 6.10 6.10	ORP (mV) -15.8 -15.9	Turbidity			
Replicate 1 2 3 4	Temp (°F/°C) 18.6 18.6 18.7 18.7 18.7	Cond. (uS/cm) 516 517 517 517 517	D.O. (mg/L) 3.18 3.25 3.40 3.67 3.38	6.10 6.10 6.10 6.11 6.11	ORP (mV) -15.8 -15.9 -16.0 -16.5 -16.1 TYPE (Circle a)	Turbidity (NTU)	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 18.6 18.6 18.7 18.7 18.7 TYPICAL A (8260-SIM)	Cond. (uS/cm) 516 517 517 517 517 NALYSIS AL (8010) (8020)	D.O. (mg/L) 3.18 3.25 3.40 3.67 3.38 LOWED PI) (NWTPH-	6.10 6.10 6.10 6.11 6.10 ER BOTTLE G) (NWTPF	ORP (mV) -15.8 -15.9 -16.0 -16.5 -16.1 TYPE (Circle alder al	Turbidity (NTU) #DIV/0!	(ft)	nalysis below)	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 18.6 18.6 18.7 18.7 18.7 TYPICAL A (8260-SIM) (8270D) (PA	Cond. (uS/cm) 516 517 517 517 517 NALYSIS AL (8010) (8020)	D.O. (mg/L) 3.18 3.25 3.40 3.67 3.38 LOWED PF (NWTPH-	6.10 6.10 6.11 6.10 6.11 6.10 6.11 6.10 ER BOTTLE G) (NWTPP	ORP (mV) -15.8 -15.9 -16.0 -16.5 -16.1 TYPE (Circle a) H-Gx) (BTEX) H-HCID) (8081)	#DIV/0!	(ft)	nalysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 18.6 18.7 18.7 18.7 TYPICAL A (8260-SIM) (8270D) (PA) (pH) (Condu	Cond. (uS/cm) 516 517 517 517 517 NALYSIS AL (8010) (8020) AH) (NWTPH activity) (TDS	D.O. (mg/L) 3.18 3.25 3.40 3.67 3.38 LOWED PF (NWTPH-ID) (NWTPH-ID) (NWTPH-ID) (NWTPH-ID) (NWTPH-ID) (NWTPH-ID) (NWTPH-ID) (TSS) (TSS) (E	6.10 6.10 6.11 6.11 6.10 ER BOTTLE G) (NWTPF	ORP (mV) -15.8 -15.9 -16.0 -16.5 -16.1 TYPE (Circle all-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity	#DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) ((ft)	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 18.6 18.6 18.7 18.7 18.7 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu	Cond. (uS/cm) 516 517 517 517 517 NALYSIS AL (8010) (8020) (H) (NWTPH lectivity) (TDS) (25310C) (Tot	D.O. (mg/L) 3.18 3.25 3.40 3.67 3.38 LOWED PI () (NWTPH-I-D) (NWTFH-I-D) (NWTFH-I-D	6.10 6.10 6.11 6.11 6.10 ER BOTTLE G) (NWTPF PH-Dx) (TPF BOD) (Turbio tal Kiedahl N	ORP (mV) -15.8 -15.9 -16.0 -16.5 -16.1 TYPE (Circle a) H-Gx) (BTEX) H-HCID) (8081)	#DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) ((ft)	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 18.6 18.6 18.7 18.7 18.7 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Conduction) (Tool (Total Cyanide)	Cond. (uS/cm) 516 517 517 517 517 NALYSIS AL (8010) (8020) H) (NWTPH (ctivity) (TDS) C5310C) (Tot (e) (WAD Cy.	D.O. (mg/L) 3.18 3.25 3.40 3.67 3.38 LOWED PP (NWTPH-CD) (N	6.10 6.10 6.11 6.11 6.10 ER BOTTLE G) (NWTPP PH-Dx) (TPP BOD) (Turbio tal Kiedahl N C Cyanide)	ORP (mV) -15.8 -15.9 -16.0 -16.5 -16.1 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) (G (NO3/NO2)	non-standard a	nalysis below) WA WA O WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 18.6 18.7 18.7 18.7 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Too (Total Cyanid (Total Metals)	Cond. (uS/cm) 516 517 517 517 517 NALYSIS AL (8010) (8020) AH) (NWTPH (ctivity) (TDS) (25310C) (Tot (e) (WAD Cya () (As) (Sb) (B	3.18 3.25 3.40 3.67 3.38 LOWED PP () (NWTPH-ID) (NWTH-ID) (NWTRHID) (TSS) (Eal PO4) (Total	6.10 6.10 6.11 6.11 6.10 ER BOTTLE G) (NWTPP PH-Dx) (TPP BOD) (Turbio stal Kiedahl N c Cyanide) a) (Cd) (Co)	ORP (mV) -15.8 -15.9 -16.0 -16.5 -16.1 TYPE (Circle and 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 rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA ON ONE OF THE CONTROL OF THE CO	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 18.6 18.7 18.7 18.7 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M	Cond. (uS/cm) 516 517 517 517 517 NALYSIS AL (8010) (8020) AH) (NWTPH (activity) (TDS) (25310C) (Tot (be) (WAD Cya) () (As) (Sb) (Betals) (As) (Sb) (Sb)	3.18 3.25 3.40 3.67 3.38 LOWED PP () (NWTPH-ID) (NWTH-ID) (NWTRHID) (TSS) (Eal PO4) (Total	6.10 6.10 6.11 6.11 6.10 ER BOTTLE G) (NWTPP PH-Dx) (TPP BOD) (Turbio stal Kiedahl N c Cyanide) a) (Cd) (Co)	ORP (mV) -15.8 -15.9 -16.0 -16.5 -16.1 TYPE (Circle and 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 rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA ON ONE OF THE CONTROL OF THE CO	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 18.6 18.7 18.7 18.7 18.7 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 516 517 517 517 517 NALYSIS AL (8010) (8020) AH) (NWTPH activity) (TDS C5310C) (Tot le) (WAD Cya le) (As) (Sb) (Betals) (As) (Sb) (Sb g short list)	3.18 3.25 3.40 3.67 3.38 LOWED PF () (NWTPH-D) (NWTPH-D	6.10 6.10 6.11 6.11 6.10 ER BOTTLE G) (NWTPP PH-Dx) (TPP BOD) (Turbio stal Kiedahl N c Cyanide) a) (Cd) (Co)	ORP (mV) -15.8 -15.9 -16.0 -16.5 -16.1 TYPE (Circle and 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 rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA ON ONE OF THE CONTROL OF THE CO	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 18.6 18.7 18.7 18.7 18.7 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 516 517 517 517 517 NALYSIS AL (8010) (8020) AH) (NWTPH (activity) (TDS) (25310C) (Tot (be) (WAD Cya) () (As) (Sb) (Betals) (As) (Sb) (Sb)	3.18 3.25 3.40 3.67 3.38 LOWED PF () (NWTPH-D) (NWTPH-D	6.10 6.10 6.11 6.11 6.10 ER BOTTLE G) (NWTPP PH-Dx) (TPP BOD) (Turbio stal Kiedahl N c Cyanide) a) (Cd) (Co)	ORP (mV) -15.8 -15.9 -16.0 -16.5 -16.1 TYPE (Circle and 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 rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA ON ONE OF THE CONTROL OF THE CO	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 18.6 18.7 18.7 18.7 18.7 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 516 517 517 517 517 NALYSIS AL (8010) (8020) AH) (NWTPH activity) (TDS C5310C) (Tot le) (WAD Cya le) (As) (Sb) (Betals) (As) (Sb) (Sb g short list)	3.18 3.25 3.40 3.67 3.38 LOWED PF () (NWTPH-D) (NWTPH-D	6.10 6.10 6.11 6.11 6.10 ER BOTTLE G) (NWTPP PH-Dx) (TPP BOD) (Turbio stal Kiedahl N c Cyanide) a) (Cd) (Co)	ORP (mV) -15.8 -15.9 -16.0 -16.5 -16.1 TYPE (Circle and 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 rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA ON ONE OF THE CONTROL OF THE CO	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 18.6 18.7 18.7 18.7 18.7 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 516 517 517 517 517 NALYSIS AL (8010) (8020) AH) (NWTPH activity) (TDS C5310C) (Tot le) (WAD Cya le) (As) (Sb) (Betals) (As) (Sb) (Sb g short list)	3.18 3.25 3.40 3.67 3.38 LOWED PF () (NWTPH-D) (NWTPH-D	6.10 6.10 6.11 6.11 6.10 ER BOTTLE G) (NWTPP PH-Dx) (TPP BOD) (Turbio stal Kiedahl N c Cyanide) a) (Cd) (Co)	ORP (mV) -15.8 -15.9 -16.0 -16.5 -16.1 TYPE (Circle and 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 rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA ON ONE OF THE CONTROL OF THE CO	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3 1 1	Temp (°F/°C) 18.6 18.6 18.7 18.7 18.7 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 516 517 517 517 517 NALYSIS AL (8010) (8020) AH) (NWTPH activity) (TDS C5310C) (Tot le) (WAD Cya le) (As) (Sb) (Betals) (As) (Sb) (Sb g short list)	3.18 3.25 3.40 3.67 3.38 LOWED PF () (NWTPH-D) (NWTPH-D	6.10 6.10 6.11 6.11 6.10 ER BOTTLE G) (NWTPP PH-Dx) (TPP BOD) (Turbio stal Kiedahl N c Cyanide) a) (Cd) (Co)	ORP (mV) -15.8 -15.9 -16.0 -16.5 -16.1 TYPE (Circle and 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 rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA ON ONE OF THE CONTROL OF THE CO	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3 1 1 Duplicate San	Temp (°F/°C) 18.6 18.6 18.7 18.7 18.7 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 516 517 517 517 517 NALYSIS AL (8010) (8020) AH) (NWTPH activity) (TDS C5310C) (Tot le) (WAD Cya le) (As) (Sb) (Betals) (As) (Sb) (Sb g short list)	3.18 3.25 3.40 3.67 3.38 LOWED PF () (NWTPH-D) (NWTPH-D	6.10 6.10 6.11 6.11 6.10 ER BOTTLE G) (NWTPP PH-Dx) (TPP BOD) (Turbio stal Kiedahl N c Cyanide) a) (Cd) (Co)	ORP (mV) -15.8 -15.9 -16.0 -16.5 -16.1 TYPE (Circle and 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 rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA ON ONE OF THE CONTROL OF THE CO	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3 1 1	Temp (°F/°C) 18.6 18.6 18.7 18.7 18.7 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 516 517 517 517 517 NALYSIS AL (8010) (8020) AH) (NWTPH activity) (TDS C5310C) (Tot le) (WAD Cya le) (As) (Sb) (Betals) (As) (Sb) (Sb g short list)	3.18 3.25 3.40 3.67 3.38 LOWED PF () (NWTPH-D) (NWTPH-D	6.10 6.10 6.11 6.11 6.10 ER BOTTLE G) (NWTPP PH-Dx) (TPP BOD) (Turbio stal Kiedahl N c Cyanide) a) (Cd) (Co)	ORP (mV) -15.8 -15.9 -16.0 -16.5 -16.1 TYPE (Circle and 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 rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA ON ONE OF THE CONTROL OF THE CO	Observations OR OR OR



Project Nam	ne:	Boeing Ren	ton		Project Number	r <u>:</u>	0025217.099.0	99	
Event:		May-20			Date/Time:	05/11 /2020@	946		
Sample Nun	nber:	RGW233I-	200511		Weather:	CLOUDY			
Landau Rep	resentative:	JAN							
WATERIEV	VEL/WELL/PU	IRGE DATA							
Well Condition		Secure (YES)	Damaged (N	0)	Describe:	Flush Mount		
		5.90	Time:		<i></i>		1 Idam Wodin	GW Matar No. (. 1
DTW Before		05/ 11/2020 (Flow through cel	05/ 11/2020 @	021	GW Meter No.(
Begin Purge:				End Purge:				Gallons Purged:	0.25
Purge water d	iisposed to:		55-gal Drum		Storage Tank	Ground	Other	SITE TREATM	ENI SYSIEM
	Temp	Cond.	D.O.	pН	ORP	Turbidity	DTW	Internal Purge	Comments/
Time	(°F/°C)	(uS/cm)	(mg/L)	ous fou thus	(mV)	(NTU) lings within the fo	(ft)	Volume (gal) >/= 1 flow	Observations
	+/- 3%	+/- 3%		+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
921	16.5	204.8	2.39	6.31	-4.7		5.90	3	
						-		-	-
924	17.3	211.0	2.20	6.03	5.4		5.90		
927	17.6	218.3	2.16	5.94	6.1		5.90		
930	17.9	222.4	2.19	5.99	-1.3		-		
933									
936									
							-	·	
938	. ———								
	LLECTION I		D "		D D T	DED DI IDDED			
Sample Colle	cted With:		Bailer		_	DED. BLADDER			
Made of:	Ų	Stainless Stee	el 🔲	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proceed	dure:	Alconox Was	sh 🔲	Tap Rinse	DI Water	Dedicated			
(By Numerica	-1 ()1)	□ Othor							
	,	Other							
	,	-	, sheen, etc.):	NO COLOR	, LOW TURB, N	O/NS.			
Sample Descr	ription (color,	turbidity, odor					DTW/	Eassans in an	Commental
	ription (color, t	turbidity, odor	D.O.	NO COLOR	ORP	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)		DTW (ft)	Ferrous iron (Fe II)	
Sample Descri Replicate	Temp (°F/°C)	Cond. (uS/cm) 222.8	D.O. (mg/L)	pH 6.00	ORP (mV)	Turbidity			
Sample Descri Replicate	Temp (°F/°C) 18.0	Cond. (uS/cm) 222.8 223.2	D.O. (mg/L) 2.18	pН	ORP (mV) -2.0 -2.3	Turbidity			
Sample Descri Replicate	Temp (°F/°C)	Cond. (uS/cm) 222.8	D.O. (mg/L)	pH 6.00	ORP (mV)	Turbidity			
Replicate 1 2	Temp (°F/°C) 18.0	Cond. (uS/cm) 222.8 223.2	D.O. (mg/L) 2.18	рН 6.00 6.00	ORP (mV) -2.0 -2.3	Turbidity			
Replicate 1 2 3	Temp (°F/°C) 18.0 18.0	Cond. (uS/cm) 222.8 223.2 223.3	D.O. (mg/L) 2.18 2.18	pH 6.00 6.00 6.00	ORP (mV) -2.0 -2.3 -2.5	Turbidity			
Replicate 1 2 3 4 Average:	Temp (°F/°C) 18.0 18.0 18.0 18.0	Cond. (uS/cm) 222.8 223.2 223.3 223.4 223.2	D.O. (mg/L) 2.18 2.18 2.19 2.18 2.18	6.00 6.00 6.00 6.00 6.00	ORP (mV) -2.0 -2.3 -2.5 -3.0 -2.5	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 18.0 18.0 18.0 18.0 18.0	Cond. (uS/cm) 222.8 223.2 223.3 223.4 223.2 NALYSIS AI	D.O. (mg/L) 2.18 2.18 2.19 2.18 2.18 2.18 LOWED PE	6.00 6.00 6.00 6.00 6.00 6.00	ORP (mV) -2.0 -2.3 -2.5 -3.0 -2.5 TYPE (Circle a)	Turbidity (NTU)	(ft)	(Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 18.0 18.0 18.0 18.0 18.0 (8260-SIM)	Cond. (uS/cm) 222.8 223.2 223.3 223.4 223.2 NALYSIS AI (8010) (8020)	D.O. (mg/L) 2.18 2.18 2.19 2.18 2.18 2.19 (MWTPH-	6.00 6.00 6.00 6.00 6.00 6.00 CR BOTTLE	ORP (mV) -2.0 -2.3 -2.5 -3.0 -2.5 TYPE (Circle apolitical distribution of the content of t	Turbidity (NTU) #DIV/0!	(ft)	nalysis below)	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 18.0 18.0 18.0 18.0 18.0 (8260-SIM) (8270D) (PA	Cond. (uS/cm) 222.8 223.2 223.3 223.4 223.2 NALYSIS AI (8010) (8020)	D.O. (mg/L) 2.18 2.18 2.19 2.18 2.18 2.19 (MWTPH-H-D) (NWTPH-H-D) (NWTPH-H-D) (NWTPH-H-D-L-M-M-M-M-M-M-M-M-M-M-M-M-M-M-M-M-M-M	6.00 6.00 6.00 6.00 6.00 6.00 6.00 CR BOTTLE G) (NWTPF	ORP (mV) -2.0 -2.3 -2.5 -3.0 -2.5 TYPE (Circle a) I-Gx) (BTEX) H-HCID) (8081)	#DIV/0!	non-standard a	nalysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 18.0 18.0 18.0 18.0 18.0 (8260-SIM) (8270D) (PA (pH) (Condu	Cond. (uS/cm) 222.8 223.2 223.3 223.4 223.2 NALYSIS AI (8010) (8020 AH) (NWTPHactivity) (TDS	D.O. (mg/L) 2.18 2.18 2.19 2.18 2.18 2.19 (MWTPH-D) (NWTPH-D) (NWTPH-	6.00 6.00 6.00 6.00 6.00 6.00 CR BOTTLE G) (NWTPF	ORP (mV) -2.0 -2.3 -2.5 -3.0 -2.5 TYPE (Circle all I-Gx) (BTEX) I-HCID) (8081) dity) (Alkalinity)	#DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (6	non-standard a	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 18.0 18.0 18.0 18.0 18.0 (8260-SIM) (8270D) (PA (pH) (Conduction)	Cond. (uS/cm) 222.8 223.2 223.3 223.4 223.2 NALYSIS AI (8010) (8020 AH) (NWTPH (NWTPH (CT)) (TD) 25310C) (To	D.O. (mg/L) 2.18 2.19 2.18 2.19 2.18 2.18 LLOWED PE D) (NWTPH-H-D) (NWT	6.00 6.00 6.00 6.00 6.00 6.00 CR BOTTLE G) (NWTPF PH-Dx) (TPF OD) (Turbic tal Kiedahl N	ORP (mV) -2.0 -2.3 -2.5 -3.0 -2.5 TYPE (Circle a) I-Gx) (BTEX) H-HCID) (8081)	#DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (6	non-standard a	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 18.0 18.0 18.0 18.0 18.0 (8260-SIM) (8270D) (PA (PH) (Conduction (COD) (Too	Cond. (uS/cm) 222.8 223.2 223.3 223.4 223.2 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TDS	D.O. (mg/L) 2.18 2.19 2.18 2.19 2.18 2.18 LOWED PF (NWTPH-I-D) (NWTPH-	6.00 6.00 6.00 6.00 6.00 CR BOTTLE G) (NWTPFPH-Dx) (TPFFOD) (Turbic tal Kiedahl N	ORP (mV) -2.0 -2.3 -2.5 -3.0 -2.5 TYPE (Circle a) I-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity) itrogen) (NH3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G (HCO3/CO3) (O) (NO3/NO2)	non-standard a	nalysis below) WA WA O WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 18.0 18.0 18.0 18.0 18.0 18.0 (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 222.8 223.2 223.3 223.4 223.2 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TDS (1200) (To (1200)) (As) (Sb) (D.O. (mg/L) 2.18 2.19 2.18 2.18 2.19 2.18 2.18 LOWED PE D) (NWTPH-H-D) (NWTPH-H-D) (NWTPH-H-D) (NWTPH-H-D) (NWTPH-H-D) (Total PO4)	6.00 6.00 6.00 6.00 6.00 CR BOTTLE G) (NWTPF H-Dx) (TPF OD) (Turbic tal Kiedahl N Cyanide)	ORP (mV) -2.0 -2.3 -2.5 -3.0 -2.5 TYPE (Circle ald General Control of the C	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G (HCO3/CO3) (0 (NO3/NO2)	non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 18.0 18.0 18.0 18.0 18.0 18.0 (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 222.8 223.2 223.3 223.4 223.2 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TDS (25310C) (Too (be) (WAD Cy) (As) (Sb) (cetals) (As) (Sb) (cetals) (As) (Sb)	D.O. (mg/L) 2.18 2.19 2.18 2.18 2.19 2.18 2.18 LOWED PE D) (NWTPH-H-D) (NWTPH-H-D) (NWTPH-H-D) (NWTPH-H-D) (NWTPH-H-D) (Total PO4)	6.00 6.00 6.00 6.00 6.00 CR BOTTLE G) (NWTPF H-Dx) (TPF OD) (Turbic tal Kiedahl N Cyanide)	ORP (mV) -2.0 -2.3 -2.5 -3.0 -2.5 TYPE (Circle ald General Control of the C	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G (HCO3/CO3) (0 (NO3/NO2)	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) 18.0 18.0 18.0 18.0 18.0 (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 222.8 223.2 223.3 223.4 223.2 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TDS (25310C) (Too (be) (WAD Cy) (As) (Sb) (cetals) (As) (Sb) (cetals) (As) (Sb)	D.O. (mg/L) 2.18 2.19 2.18 2.19 2.18 2.18 2.19 (NWTPH-I-D)	6.00 6.00 6.00 6.00 6.00 CR BOTTLE G) (NWTPF H-Dx) (TPF OD) (Turbic tal Kiedahl N Cyanide)	ORP (mV) -2.0 -2.3 -2.5 -3.0 -2.5 TYPE (Circle ald General Control of the C	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G (HCO3/CO3) (0 (NO3/NO2)	non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 18.0 18.0 18.0 18.0 18.0 (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 222.8 223.2 223.3 223.4 223.2 NALYSIS AI (8010) (8020 AH) (NWTPHactivity) (TDS (25310C) (To- (be) (WAD Cy) (As) (Sb) (etals) (As) (Sb (g short list)	D.O. (mg/L) 2.18 2.19 2.18 2.19 2.18 2.18 2.19 (NWTPH-I-D)	6.00 6.00 6.00 6.00 6.00 CR BOTTLE G) (NWTPF H-Dx) (TPF OD) (Turbic tal Kiedahl N Cyanide)	ORP (mV) -2.0 -2.3 -2.5 -3.0 -2.5 TYPE (Circle ald General Control of the C	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G (HCO3/CO3) (0 (NO3/NO2)	non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 18.0 18.0 18.0 18.0 18.0 (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 222.8 223.2 223.3 223.4 223.2 NALYSIS AI (8010) (8020 AH) (NWTPHactivity) (TDS (25310C) (To- (be) (WAD Cy) (As) (Sb) (etals) (As) (Sb (g short list)	D.O. (mg/L) 2.18 2.19 2.18 2.19 2.18 2.18 2.19 (NWTPH-I-D)	6.00 6.00 6.00 6.00 6.00 CR BOTTLE G) (NWTPF H-Dx) (TPF OD) (Turbic tal Kiedahl N Cyanide)	ORP (mV) -2.0 -2.3 -2.5 -3.0 -2.5 TYPE (Circle ald General Control of the C	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G (HCO3/CO3) (0 (NO3/NO2)	non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 18.0 18.0 18.0 18.0 18.0 (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 222.8 223.2 223.3 223.4 223.2 NALYSIS AI (8010) (8020 AH) (NWTPHactivity) (TDS (25310C) (To- (be) (WAD Cy) (As) (Sb) (etals) (As) (Sb (g short list)	D.O. (mg/L) 2.18 2.19 2.18 2.19 2.18 2.18 2.19 (NWTPH-I-D)	6.00 6.00 6.00 6.00 6.00 CR BOTTLE G) (NWTPF H-Dx) (TPF OD) (Turbic tal Kiedahl N Cyanide)	ORP (mV) -2.0 -2.3 -2.5 -3.0 -2.5 TYPE (Circle ald General Control of the C	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G (HCO3/CO3) (0 (NO3/NO2)	non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 18.0 18.0 18.0 18.0 18.0 (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 222.8 223.2 223.3 223.4 223.2 NALYSIS AI (8010) (8020 AH) (NWTPHactivity) (TDS (25310C) (To- (be) (WAD Cy) (As) (Sb) (etals) (As) (Sb (g short list)	D.O. (mg/L) 2.18 2.19 2.18 2.19 2.18 2.18 2.19 (NWTPH-I-D)	6.00 6.00 6.00 6.00 6.00 CR BOTTLE G) (NWTPF H-Dx) (TPF OD) (Turbic tal Kiedahl N Cyanide)	ORP (mV) -2.0 -2.3 -2.5 -3.0 -2.5 TYPE (Circle ald General Control of the C	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G (HCO3/CO3) (0 (NO3/NO2)	non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3 1 Duplicate Sar	Temp (°F/°C) 18.0 18.0 18.0 18.0 18.0 (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 222.8 223.2 223.3 223.4 223.2 NALYSIS AI (8010) (8020 AH) (NWTPHactivity) (TDS (25310C) (To- (be) (WAD Cy) (As) (Sb) (etals) (As) (Sb (g short list)	D.O. (mg/L) 2.18 2.19 2.18 2.19 2.18 2.18 2.19 (NWTPH-I-D)	6.00 6.00 6.00 6.00 6.00 CR BOTTLE G) (NWTPF H-Dx) (TPF OD) (Turbic tal Kiedahl N Cyanide)	ORP (mV) -2.0 -2.3 -2.5 -3.0 -2.5 TYPE (Circle ald General Control of the C	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G (HCO3/CO3) (0 (NO3/NO2)	non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 18.0 18.0 18.0 18.0 18.0 (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 222.8 223.2 223.3 223.4 223.2 NALYSIS AI (8010) (8020 AH) (NWTPHactivity) (TDS (25310C) (To- (be) (WAD Cy) (As) (Sb) (etals) (As) (Sb (g short list)	D.O. (mg/L) 2.18 2.19 2.18 2.19 2.18 2.18 2.19 (NWTPH-I-D)	6.00 6.00 6.00 6.00 6.00 CR BOTTLE G) (NWTPF H-Dx) (TPF OD) (Turbic tal Kiedahl N Cyanide)	ORP (mV) -2.0 -2.3 -2.5 -3.0 -2.5 TYPE (Circle ald General Control of the C	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G (HCO3/CO3) (0 (NO3/NO2)	non-standard a rease) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR



Project Nam	ne:	Boeing Rent	ton		Project Numbe	r:	0025217.099.0	199	
Event:		May-20			Date/Time:	05/ 11/2020@	1027		
Sample Nun	nber:	RGW234S-	200511		Weather:	SUNNY			
Landau Rep	resentative:	CEB							
WATEDIES	VEL/WELL/PU	IDCE DATA							
Well Condition		Secure (YES)	١	Damaged (N	(O)	Describe	Flush Mount		
		` ′		•	,		Trush Mount	CWAY N. A.	CL ODE4
DTW Before		6.59	Time:		Flow through ce	-		GW Meter No.(s	
	Date/Time:			End Purge:		05/ 11 /2020 @		Gallons Purged:	0.2
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
	_					lings within the fo	_	>/= 1 flow	
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
1004	14.4	225.6	0.59	6.12	77.0		6.85		
1007	15.6	231.9	0.26	6.17	68.3		6.85		
1010			0.25	6.20	61.8		6.85		
		232.9					-	·	
1013	17.5	234.6	0.29	6.24	53.4		6.85		
1016	19.2	235.1	0.25	6.29	42.3		-		
1019	19.6	235.1	0.27	6.31	37.4				
1022	19.7	234.6	0.32	6.32	32.7		-		
							-	· ———	-
1024		234.5	0.34	6.33	30.4				
	DLLECTION I		D. 'I		D /D T				
Sample Colle	ected With:		Bailer	4	Pump/Pump Type				
Made of:	Ш	Stainless Stee	el 🔲	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Procee	dure:	Alconox Was	sh 🔲	Tap Rinse	DI Water	Dedicated			
(By Numerica	al Order)	Other							
		₩.							
Sample Desc	ription (color,	—	, sheen, etc.):	YELLOW, S	SOME BROWN F	ARTICULATES,	NO ODOR NO	SHEEN	
Sample Desc	ription (color,	—	, sheen, etc.):	YELLOW, S	SOME BROWN F	PARTICULATES,	NO ODOR NO	SHEEN	
Sample Describer	Temp	turbidity, odor,	D.O.	YELLOW, S	ORP	Turbidity	DTW	Ferrous iron	Comments/
		turbidity, odor,	· -						Comments/ Observations
	Temp	turbidity, odor,	D.O.		ORP	Turbidity	DTW	Ferrous iron	
Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity	DTW	Ferrous iron	
Replicate 1 2	Temp (°F/°C) 19.8	Cond. (uS/cm) 234.4 234.1	D.O. (mg/L) 0.35	pH 6.33 6.33	ORP (mV) 29.7 29.2	Turbidity	DTW	Ferrous iron	
Replicate 1 2 3	Temp (°F/°C) 19.8 19.8	Cond. (uS/cm) 234.4 234.1 233.6	D.O. (mg/L) 0.35 0.35	pH 6.33 6.33 6.33	ORP (mV) 29.7 29.2 28.6	Turbidity	DTW	Ferrous iron	
Replicate 1 2	Temp (°F/°C) 19.8	Cond. (uS/cm) 234.4 234.1	D.O. (mg/L) 0.35	pH 6.33 6.33	ORP (mV) 29.7 29.2	Turbidity	DTW	Ferrous iron	
Replicate 1 2 3	Temp (°F/°C) 19.8 19.8	Cond. (uS/cm) 234.4 234.1 233.6	D.O. (mg/L) 0.35 0.35	pH 6.33 6.33 6.33	ORP (mV) 29.7 29.2 28.6	Turbidity	DTW	Ferrous iron	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.8 19.8 19.7 19.7	Cond. (uS/cm) 234.4 234.1 233.6 233.5 233.9	D.O. (mg/L) 0.35 0.35 0.36 0.37	6.33 6.33 6.33 6.33 6.33	ORP (mV) 29.7 29.2 28.6 28.0 28.9	Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.8 19.8 19.7 19.7 19.8	Cond. (uS/cm) 234.4 234.1 233.6 233.5 233.9	D.O. (mg/L) 0.35 0.35 0.36 0.37 0.36	6.33 6.33 6.33 6.33 6.33 6.33	ORP (mV) 29.7 29.2 28.6 28.0 28.9	Turbidity (NTU) #DIV/0!	DTW (ft)	Ferrous iron (Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.8 19.8 19.7 19.7 19.8 TYPICAL A (8260-SIM)	Cond. (uS/cm) 234.4 234.1 233.6 233.5 233.9 NALYSIS AL (8010) (8020)	D.O. (mg/L) 0.35 0.36 0.37 0.36 LOWED PE	6.33 6.33 6.33 6.33 6.33 6.33 CR BOTTLE G) (NWTPH	ORP (mV) 29.7 29.2 28.6 28.0 28.9 TYPE (Circle all H-Gx) (BTEX)	Turbidity (NTU) #DIV/0! pplicable or write	DTW (ft)	Ferrous iron (Fe II) nalysis below) WA	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.8 19.8 19.7 19.7 19.8 TYPICAL A (8260-SIM) (8270D) (PA	Cond. (uS/cm) 234.4 234.1 233.6 233.5 233.9 NALYSIS AL (8010) (8020 AH) (NWTPH	D.O. (mg/L) 0.35 0.35 0.36 0.37 0.36 LOWED PE) (NWTPH-I-D) (NWTF	6.33 6.33 6.33 6.33 6.33 6.33 6.39 6.39	ORP (mV) 29.7 29.2 28.6 28.0 28.9 TYPE (Circle a) I-Gx) (BTEX) H-HCID) (8081)	#DIV/0!	DTW (ft)	Ferrous iron (Fe II) nalysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 19.8 19.8 19.7 19.7 19.8 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu	Cond. (uS/cm) 234.4 234.1 233.6 233.5 233.9 NALYSIS AL (8010) (8020 AH) (NWTPH activity) (TDS	D.O. (mg/L) 0.35 0.35 0.36 0.37 0.36 LOWED PE (NWTPH-I-D) (6.33 6.33 6.33 6.33 6.33 6.33 6.7 6.33 6.7 6.33 6.7 6.7 6.7 6.7 6.7 6.7 6.7 6.7 6.7 6.7	ORP (mV) 29.7 29.2 28.6 28.0 28.9 TYPE (Circle all-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity	#DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (DTW (ft)	Ferrous iron (Fe II) nalysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.8 19.8 19.7 19.7 19.8 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Conduction) (TOO	Cond. (uS/cm) 234.4 234.1 233.6 233.5 233.9 NALYSIS AL (8010) (8020 AH) (NWTPH activity) (TDS	D.O. (mg/L) 0.35 0.36 0.37 0.36 LOWED PE) (NWTPH-I-D) (NWTP	6.33 6.33 6.33 6.33 6.33 6.33 6.39 6.30 6.31 6.31 6.32 6.33 6.33 6.33 6.33 6.33 6.33 6.33	ORP (mV) 29.7 29.2 28.6 28.0 28.9 TYPE (Circle a) I-Gx) (BTEX) H-HCID) (8081)	#DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (DTW (ft)	Ferrous iron (Fe II) nalysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 19.8 19.8 19.7 19.7 19.8 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Too (Total Cyanid	Cond. (uS/cm) 234.4 234.1 233.6 233.5 233.9 NALYSIS AL (8010) (8020 AH) (NWTPH activity) (TDS C5310C) (Total	D.O. (mg/L) 0.35 0.36 0.37 0.36 LOWED PF 0. (NWTPH-I-D) (NWT	6.33 6.33 6.33 6.33 6.33 6.33 6.30 CR BOTTLE G) (NWTPI PH-Dx) (TPFI OD) (Turbin tal Kiedahl N Cyanide)	ORP (mV) 29.7 29.2 28.6 28.0 28.9 TYPE (Circle all-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity itrogen) (NH3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) ((NO3/NO2)	DTW (ft) non-standard a rease) Cl) (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 OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 19.8 19.8 19.7 19.7 19.8 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Too (Total Cyanid (Total Metals)	Cond. (uS/cm) 234.4 234.1 233.6 233.5 233.9 NALYSIS AL (8010) (8020 AH) (NWTPH activity) (TDS (C5310C) (Tot le) (WAD Cy) (As) (Sb) (I	D.O. (mg/L) 0.35 0.36 0.37 0.36 LOWED PE D) (NWTPH-I-D) (NWTP	6.33 6.33 6.33 6.33 6.33 6.33 6.30 CR BOTTLE G) (NWTPP PH-Dx) (TPP OD) (Turbic tal Kiedahl N Cyanide) () (Cd) (Co)	ORP (mV) 29.7 29.2 28.6 28.0 28.9 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) 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 G OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 19.8 19.8 19.7 19.7 19.8 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M	Cond. (uS/cm) 234.4 234.1 233.6 233.5 233.9 NALYSIS AL (8010) (8020 AH) (NWTPH activity) (TDS (25310C) (Tot de) (WAD Cy de) (As) (Sb) (I etals) (As) (Sb) (Sb)	D.O. (mg/L) 0.35 0.36 0.37 0.36 LOWED PE D) (NWTPH-I-D) (NWTP	6.33 6.33 6.33 6.33 6.33 6.33 6.30 CR BOTTLE G) (NWTPP PH-Dx) (TPP OD) (Turbic tal Kiedahl N Cyanide) () (Cd) (Co)	ORP (mV) 29.7 29.2 28.6 28.0 28.9 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) 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 G OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 19.8 19.8 19.7 19.7 19.8 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Tool (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 234.4 234.1 233.6 233.5 233.9 NALYSIS AL (8010) (8020 AH) (NWTPH activity) (TDS (25310C) (Tot le) (WAD Cy (25310C) (As) (Sb) (1 etals) (As) (Sb) g short list)	D.O. (mg/L) 0.35 0.36 0.37 0.36 LOWED PE 0 (NWTPH-I-D) (NWTPH	6.33 6.33 6.33 6.33 6.33 6.33 6.30 CR BOTTLE G) (NWTPP PH-Dx) (TPP OD) (Turbic tal Kiedahl N Cyanide) () (Cd) (Co)	ORP (mV) 29.7 29.2 28.6 28.0 28.9 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) 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 G OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 19.8 19.8 19.7 19.7 19.8 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Tool (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 234.4 234.1 233.6 233.5 233.9 NALYSIS AL (8010) (8020 AH) (NWTPH activity) (TDS (25310C) (Tot de) (WAD Cy de) (As) (Sb) (I etals) (As) (Sb) (Sb)	D.O. (mg/L) 0.35 0.36 0.37 0.36 LOWED PE 0 (NWTPH-I-D) (NWTPH	6.33 6.33 6.33 6.33 6.33 6.33 6.30 CR BOTTLE G) (NWTPP PH-Dx) (TPP OD) (Turbic tal Kiedahl N Cyanide) () (Cd) (Co)	ORP (mV) 29.7 29.2 28.6 28.0 28.9 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) 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 G OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 19.8 19.8 19.7 19.7 19.8 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Tool (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 234.4 234.1 233.6 233.5 233.9 NALYSIS AL (8010) (8020 AH) (NWTPH activity) (TDS (25310C) (Tot le) (WAD Cy (25310C) (As) (Sb) (1 etals) (As) (Sb) g short list)	D.O. (mg/L) 0.35 0.36 0.37 0.36 LOWED PE 0 (NWTPH-I-D) (NWTPH	6.33 6.33 6.33 6.33 6.33 6.33 6.30 CR BOTTLE G) (NWTPP H-Dx) (TPF HOD) (Turbic tal Kiedahl N Cyanide) () (Cd) (Co)	ORP (mV) 29.7 29.2 28.6 28.0 28.9 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) 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 G OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 19.8 19.8 19.7 19.8 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 234.4 234.1 233.6 233.5 233.9 NALYSIS AL (8010) (8020 AH) (NWTPH activity) (TDS (25310C) (Tot le) (WAD Cy (25310C) (As) (Sb) (1 etals) (As) (Sb) g short list)	D.O. (mg/L) 0.35 0.36 0.37 0.36 LOWED PE 0 (NWTPH-I-D) (NWTPH	6.33 6.33 6.33 6.33 6.33 6.33 6.30 CR BOTTLE G) (NWTPP H-Dx) (TPF HOD) (Turbic tal Kiedahl N Cyanide) () (Cd) (Co)	ORP (mV) 29.7 29.2 28.6 28.0 28.9 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) 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 G OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 19.8 19.8 19.7 19.7 19.8 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Tool (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 234.4 234.1 233.6 233.5 233.9 NALYSIS AL (8010) (8020 AH) (NWTPH activity) (TDS (25310C) (Tot le) (WAD Cy (25310C) (As) (Sb) (1 etals) (As) (Sb) g short list)	D.O. (mg/L) 0.35 0.36 0.37 0.36 LOWED PE 0 (NWTPH-I-D) (NWTPH	6.33 6.33 6.33 6.33 6.33 6.33 6.30 CR BOTTLE G) (NWTPP H-Dx) (TPF HOD) (Turbic tal Kiedahl N Cyanide) () (Cd) (Co)	ORP (mV) 29.7 29.2 28.6 28.0 28.9 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) 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 G OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 19.8 19.8 19.7 19.8 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 234.4 234.1 233.6 233.5 233.9 NALYSIS AL (8010) (8020 AH) (NWTPH activity) (TDS (25310C) (Tot le) (WAD Cy (25310C) (As) (Sb) (1 etals) (As) (Sb) g short list)	D.O. (mg/L) 0.35 0.36 0.37 0.36 LOWED PE 0 (NWTPH-I-D) (NWTPH	6.33 6.33 6.33 6.33 6.33 6.33 6.30 CR BOTTLE G) (NWTPP H-Dx) (TPF HOD) (Turbic tal Kiedahl N Cyanide) () (Cd) (Co)	ORP (mV) 29.7 29.2 28.6 28.0 28.9 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) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 19.8 19.8 19.7 19.8 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 234.4 234.1 233.6 233.5 233.9 NALYSIS AL (8010) (8020 AH) (NWTPH activity) (TDS (25310C) (Tot le) (WAD Cy (25310C) (As) (Sb) (1 etals) (As) (Sb) g short list)	D.O. (mg/L) 0.35 0.36 0.37 0.36 LOWED PE 0 (NWTPH-I-D) (NWTPH	6.33 6.33 6.33 6.33 6.33 6.33 6.30 CR BOTTLE G) (NWTPP H-Dx) (TPF HOD) (Turbic tal Kiedahl N Cyanide) () (Cd) (Co)	ORP (mV) 29.7 29.2 28.6 28.0 28.9 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) 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 G OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3 1 Duplicate San	Temp (°F/°C) 19.8 19.8 19.7 19.8 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 234.4 234.1 233.6 233.5 233.9 NALYSIS AL (8010) (8020 AH) (NWTPH activity) (TDS (25310C) (Tot le) (WAD Cy (25310C) (As) (Sb) (1 etals) (As) (Sb) g short list)	D.O. (mg/L) 0.35 0.36 0.37 0.36 LOWED PE 0 (NWTPH-I-D) (NWTPH	6.33 6.33 6.33 6.33 6.33 6.33 6.30 CR BOTTLE G) (NWTPP H-Dx) (TPF HOD) (Turbic tal Kiedahl N Cyanide) () (Cd) (Co)	ORP (mV) 29.7 29.2 28.6 28.0 28.9 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) 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 G OR OR OR OR OR OR OR OR OR OR



Project Name	e:	Boeing Ren	ton		Project Numbe	r:	0025217.099.0	99	
Event:		May-20		_	Date/Time:	05/ 11 /2020@	953		
Sample Num	nber:	RGW235I-	200511		Weather:	CLOUDY			
Landau Repr	resentative:	CEB			•				
WATER LEV	/FI/W/FII/PI	IRGE DATA							
Well Conditio		Secure (YES)	Damaged (N	(0)	Describe:	Flush Mount		
DTW Before		6.39	Time:	- '	Flow through ce			GW Meter No.(s	SI OPF4
Begin Purge:	0 0 0			End Purge:	_	05/ 11/2020@		Gallons Purged:	SEOLE
Purge water d		03/ 11 /202	55-gal Drum	Ě	Storage Tank	Ground	Other	SITE TREATM	ENT SVSTEM
i uige water u	isposed to.		55-gai Diulii		Storage Talik	E Ground	Other	SHE IKLAIM	ENTSTSTEM
Tr:	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) consecutive read	(NTU) lings within the fo	(ft) llowing limits	Volume (gal) >/= 1 flow	Observations
	+/- 3%	+/- 3%		+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
932	14.3	133.0	0.96	6.41	63.9		6.34		
935	15.1	136.8	0.90	6.25	65.2		6.34		
938	15.7	138.6	0.92	6.29	60.5		6.34	. ———	
941	16.9	142.5	1.04	6.32	55.1				
944	17.3	144.0	1.04	6.33	53.7				
947	17.4	144.6	1.10	6.33	53.3				
SAMPLE CO	LI FCTION D						-		
Sample Collect			Bailer		Pump/Pump Type				
Made of:		Stainless Ste	_	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proced		Alconox Wa		Tap Rinse	₩	Dedicated	_ ounci	Dedreated	
			sn 📋	rap Kinse	DI Water	Dedicated			
(By Numerica		Other	shoon ato).	CLEAD CO	ODI ESS NO O	DOD NO SHEEN			
. •		_	, sheen, etc.):	CLEAR CO	LORLESS NO O	DOR NO SHEEN			
. •	iption (color, t	turbidity, odor	D.O.	CLEAR CO	ORP	Turbidity	DTW (ft)	Ferrous iron	Comments/
Sample Descr Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)		DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
Sample Descr	Temp (°F/°C)	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)	D.O. (mg/L)	рН 6.33	ORP (mV)	Turbidity			
Sample Descr Replicate 1 2	Temp (°F/°C) 17.5	Cond. (uS/cm) 145.0	D.O. (mg/L) 1.10	pH 6.33 6.33	ORP (mV) 52.9	Turbidity			
Replicate 1 2 3	Temp (°F/°C) 17.5 17.6	Cond. (uS/cm) 145.0 145.5 145.8	D.O. (mg/L) 1.10 1.08	pH 6.33 6.33 6.34	ORP (mV) 52.9 52.1	Turbidity			
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.5 17.6 17.7 17.8	Cond. (uS/cm) 145.0 145.5 145.8 146.4 145.7	D.O. (mg/L) 1.10 1.08 1.04 1.04	6.33 6.33 6.34 6.34	ORP (mV) 52.9 52.1 51.7 52.4	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.5 17.6 17.7 17.8 17.7	Cond. (uS/cm) 145.0 145.5 145.8 146.4 145.7	D.O. (mg/L) 1.10 1.08 1.04 1.04 1.07 LLOWED PE	pH 6.33 6.33 6.34 6.34 6.34 CR BOTTLE	ORP (mV) 52.9 52.1 51.7 52.4 TYPE (Circle a)	Turbidity (NTU)	(ft)	(Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.5 17.6 17.7 17.8 17.7 TYPICAL A (8260-SIM)	Cond. (uS/cm) 145.0 145.5 145.8 146.4 145.7 NALYSIS AI (8010) (8020	D.O. (mg/L) 1.10 1.08 1.04 1.07 LOWED PE (NWTPH-	6.33 6.34 6.34 6.34 CR BOTTLE G) (NWTPH	ORP (mV) 52.9 52.1 51.7 52.4 TYPE (Circle a)	Turbidity (NTU) #DIV/0!	(ft)	nalysis below)	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.5 17.6 17.7 17.8 17.7 TYPICAL A (8260-SIM) (8270D) (PA	Cond. (uS/cm) 145.0 145.5 145.8 146.4 145.7 NALYSIS AI (8010) (8020)	D.O. (mg/L) 1.10 1.08 1.04 1.07 LLOWED PP D) (NWTPH-H-D) (NWTFH-H-D) (NWTFH-H-D) (NWTFH-H-D)	6.33 6.33 6.34 6.34 6.34 CR BOTTLE G) (NWTPF	ORP (mV) 52.9 52.1 51.7 52.4 TYPE (Circle a) I-Gx) (BTEX) I-HCID) (8081)	#DIV/0!	(ft)	nalysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 17.5 17.6 17.7 17.8 17.7 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Conduction)	Cond. (uS/cm) 145.0 145.5 145.8 146.4 145.7 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TD:	D.O. (mg/L) 1.10 1.08 1.04 1.07 LLOWED PE D) (NWTPH-H-D) (NWTF	6.33 6.34 6.34 6.34 6.34 6.34 6.34 6.34	ORP (mV) 52.9 52.1 51.7 52.4 TYPE (Circle a) H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity	#DIV/0! pplicable or write to (8141) (Oil & Go) (HCO3/CO3) (G)	(ft)	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.5 17.6 17.7 17.8 17.7 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Conduction) (TOO	Cond. (uS/cm) 145.0 145.5 145.8 146.4 145.7 NALYSIS AI (8010) (8020 AH) (NWTPH detivity) (TD: C5310C) (To	D.O. (mg/L) 1.10 1.08 1.04 1.07 LLOWED PE D) (NWTPH-H-D) (NWT	6.33 6.33 6.34 6.34 6.34 6.34 CR BOTTLE G) (NWTPF PH-Dx) (TPF BOD) (Turbio ttal Kiedahl N	ORP (mV) 52.9 52.1 51.7 52.4 TYPE (Circle a) I-Gx) (BTEX) I-HCID) (8081)	#DIV/0! pplicable or write to (8141) (Oil & Go) (HCO3/CO3) (G)	(ft)	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 17.5 17.6 17.7 17.8 17.7 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (TOO	Cond. (uS/cm) 145.0 145.5 145.8 146.4 145.7 NALYSIS AI (8010) (8020 AH) (NWTPI (etivity) (TD) (C5310C) (To) (le) (WAD Cy	D.O. (mg/L) 1.10 1.08 1.04 1.07 LLOWED PF D) (NWTPH-H-D) (NWT	6.33 6.33 6.34 6.34 6.34 6.34 CR BOTTLE G) (NWTPP PH-Dx) (TPP BOD) (Turbic tal Kiedahl N Cyanide)	ORP (mV) 52.9 52.1 51.7 52.4 TYPE (Circle a) H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity itrogen) (NH3)	#DIV/0! pplicable or write to (8141) (Oil & Go) (HCO3/CO3) (G)	non-standard a	nalysis below) WA WA O WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 17.5 17.6 17.7 17.8 17.7 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 145.0 145.5 145.8 146.4 145.7 NALYSIS AI (8010) (8020 AH) (NWTPH (1000) (TD) 1000 (CS) 1000 (CS) 1000 (CS) 1000 (CS) 1000 (CS)	D.O. (mg/L) 1.10 1.08 1.04 1.07 LLOWED PE D) (NWTPH-H-D) (NWTPH-H-D) (NWTPH-H-D) (NWTPH-H-D) (NWTPH-H-D) (NWTPH-H-D) (To (NWTPH-H-D)	6.33 6.34 6.34 6.34 6.34 6.34 CR BOTTLE G) (NWTPP PH-Dx) (TPP GOD) (Turbic ttal Kiedahl N Cyanide) () (Cd) (Co)	ORP (mV) 52.9 52.1 51.7 52.4 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write to the second of the	non-standard a rease) CI) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 17.5 17.6 17.7 17.8 17.7 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 145.0 145.5 145.8 146.4 145.7 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TD: (25310C) (To: (be) (WAD Cy) (As) (Sb) (etals) (As) (Sb) (D.O. (mg/L) 1.10 1.08 1.04 1.07 LLOWED PE D) (NWTPH-H-D) (NWTPH-H-D) (NWTPH-H-D) (NWTPH-H-D) (To (vanide) (Free (Panida)) (Free (Panida)) (Canida) (Free (Panida)) (Canida) (Canid	6.33 6.34 6.34 6.34 6.34 6.34 CR BOTTLE G) (NWTPP PH-Dx) (TPP GOD) (Turbic ttal Kiedahl N Cyanide) () (Cd) (Co)	ORP (mV) 52.9 52.1 51.7 52.4 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write to the second of the	non-standard a rease) CI) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 17.5 17.6 17.7 17.8 17.7 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 145.0 145.5 145.8 146.4 145.7 NALYSIS AI (8010) (8020 AH) (NWTPHetivity) (TD: (25310C) (To: (be) (WAD Cy) (As) (Sb) (etals) (As) (Sb) (D.O. (mg/L) 1.10 1.08 1.04 1.07 LLOWED PE D) (NWTPH-H-D) (NWT	6.33 6.34 6.34 6.34 6.34 6.34 CR BOTTLE G) (NWTPP PH-Dx) (TPP GOD) (Turbic ttal Kiedahl N Cyanide) () (Cd) (Co)	ORP (mV) 52.9 52.1 51.7 52.4 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write to the second of the	non-standard a rease) CI) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 17.5 17.6 17.7 17.8 17.7 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 145.0 145.5 145.8 146.4 145.7 NALYSIS AI (8010) (8020 AH) (NWTPH (activity) (TD) (25310C) (To (be) (WAD Cy (c) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 1.10 1.08 1.04 1.07 LLOWED PE D) (NWTPH-H-D) (NWT	6.33 6.34 6.34 6.34 6.34 6.34 CR BOTTLE G) (NWTPP PH-Dx) (TPP GOD) (Turbic ttal Kiedahl N Cyanide) () (Cd) (Co)	ORP (mV) 52.9 52.1 51.7 52.4 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write to the second of the	non-standard a rease) CI) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 17.5 17.6 17.7 17.8 17.7 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 145.0 145.5 145.8 146.4 145.7 NALYSIS AI (8010) (8020 AH) (NWTPH (activity) (TD) (25310C) (To (be) (WAD Cy (c) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 1.10 1.08 1.04 1.07 LLOWED PE D) (NWTPH-H-D) (NWT	6.33 6.34 6.34 6.34 6.34 6.34 6.30 CR BOTTLE GO (NWTPF CH-Dx) (TPF COD) (Turbic ttal Kiedahl N Cyanide) () (Cd) (Co)	ORP (mV) 52.9 52.1 51.7 52.4 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write to the second of the	non-standard a rease) CI) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 17.5 17.6 17.7 17.8 17.7 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 145.0 145.5 145.8 146.4 145.7 NALYSIS AI (8010) (8020 AH) (NWTPH (activity) (TD) (25310C) (To (be) (WAD Cy (c) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 1.10 1.08 1.04 1.07 LLOWED PE D) (NWTPH-H-D) (NWT	6.33 6.34 6.34 6.34 6.34 6.34 6.30 CR BOTTLE GO (NWTPF CH-Dx) (TPF COD) (Turbic ttal Kiedahl N Cyanide) () (Cd) (Co)	ORP (mV) 52.9 52.1 51.7 52.4 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write to the second of the	non-standard a rease) CI) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 17.5 17.6 17.7 17.8 17.7 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 145.0 145.5 145.8 146.4 145.7 NALYSIS AI (8010) (8020 AH) (NWTPH (activity) (TD) (25310C) (To (be) (WAD Cy (c) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 1.10 1.08 1.04 1.07 LLOWED PE D) (NWTPH-H-D) (NWT	6.33 6.34 6.34 6.34 6.34 6.34 6.30 CR BOTTLE GO (NWTPF CH-Dx) (TPF COD) (Turbic ttal Kiedahl N Cyanide) () (Cd) (Co)	ORP (mV) 52.9 52.1 51.7 52.4 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write to the second of the	non-standard a rease) CI) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3 1 1 Duplicate San	Temp (°F/°C) 17.5 17.6 17.7 17.8 17.7 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 145.0 145.5 145.8 146.4 145.7 NALYSIS AI (8010) (8020 AH) (NWTPH (activity) (TD) (25310C) (To (be) (WAD Cy (c) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 1.10 1.08 1.04 1.07 LLOWED PE D) (NWTPH-H-D) (NWT	6.33 6.34 6.34 6.34 6.34 6.34 6.30 CR BOTTLE GO (NWTPF CH-Dx) (TPF COD) (Turbic ttal Kiedahl N Cyanide) () (Cd) (Co)	ORP (mV) 52.9 52.1 51.7 52.4 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write to the second of the	non-standard a rease) CI) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 17.5 17.6 17.7 17.8 17.7 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 145.0 145.5 145.8 146.4 145.7 NALYSIS AI (8010) (8020 AH) (NWTPH (activity) (TD) (25310C) (To (be) (WAD Cy (c) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 1.10 1.08 1.04 1.07 LLOWED PE D) (NWTPH-H-D) (NWT	6.33 6.34 6.34 6.34 6.34 6.34 6.30 CR BOTTLE GO (NWTPF CH-Dx) (TPF COD) (Turbic ttal Kiedahl N Cyanide) () (Cd) (Co)	ORP (mV) 52.9 52.1 51.7 52.4 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity itrogen) (NH3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write to the second of the	non-standard a rease) CI) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR



Project Nam	ne:	Boeing Rent	ton		Project Numbe	r <u>:</u>	0025217.099.0	199	
Event:		May-20			Date/Time:	05/ 11 /2020@	853		
Sample Nur	nber:	RGW236S-	200511		Weather:	CLOUDY			
Landau Rep	resentative:	CEB							
WATER LEV	VEL/WELL/PU	JRGE DATA							
Well Condition	on:	Secure (YES))	Damaged (N	(O)	Describe:	Flush Mount		
DTW Before	Purging (ft)	6.21	Time:	830	Flow through ce	ll vol.		GW Meter No.(s slope4
	Date/Time:			End Purge:	-	05/ 11 /2020 @	853	Gallons Purged:	0.25
Purge water of		$\overline{}$	55-gal Drum	_	Storage Tank	Ground		SITE TREATM	ENT SYSTEM
Ü	•	_	-	_	Ü		_		
Time	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity (NTU)	DTW (ft)	Internal Purge Volume (gal)	Comments/ Observations
	. ,	. ,		ters for three	, ,	lings within the fo		>/= 1 flow	
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
831	13.9	316.8	0.52	6.66	105.7		6.21		
834	14.8	319.5	0.51	6.53	102.4		6.23		
837	14.9	319.1	0.46	6.45	97.5		6.24		
			-						
840		296.5	0.38	6.36	87.4				
843	14.4	289.5	0.89	6.38	54.4				
847	14.7	288.7	0.88	6.36	54.1				CHANGED TANK
851	14.8	289.2	0.89	6.36	53.7				
853	15.0	289.9	0.86	6.36	53.3				
SAMPLE CO	DLLECTION I								
Sample Colle	ected With:		Bailer		Pump/Pump Type	;			
Made of:		Stainless Stee	el 🔲	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proce	dure:	Alconox Was	sh 🗍	Tap Rinse	DI Water	Dedicated			
(By Numerica	al Order)	Other	_	•		_			
Sample Desc	ription (color,	turbidity, odor.	, sheen, etc.):	TAN COLO	R, SOME BROW	N PARTICULATE	ES, NO ODOR N	NO SHEEN	
Sample Desc	ription (color,	turbidity, odor,	, sheen, etc.):	TAN COLO	R, SOME BROW	N PARTICULATE	ES, NO ODOR N	NO SHEEN	
Sample Desc Replicate	ription (color, t	turbidity, odor,	, sheen, etc.):	TAN COLO	R, SOME BROW	N PARTICULATE	ES, NO ODOR N	NO SHEEN Ferrous iron	Comments/
			· ·						Comments/ Observations
	Temp	Cond.	D.O.		ORP	Turbidity	DTW	Ferrous iron	
Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity	DTW	Ferrous iron	
Replicate 1 2	Temp (°F/°C) 15.2	Cond. (uS/cm) 290.2 290.6	D.O. (mg/L) 0.85	pH 6.35 6.35	ORP (mV) 52.9	Turbidity	DTW	Ferrous iron	
Replicate 1 2 3	Temp (°F/°C) 15.2 15.3	Cond. (uS/cm) 290.2 290.6	D.O. (mg/L) 0.85 0.86	pH 6.35 6.35 6.36	ORP (mV) 52.9 52.3	Turbidity	DTW	Ferrous iron	
Replicate 1 2 3 4	Temp (°F/°C) 15.2 15.3 15.4 15.6	Cond. (uS/cm) 290.2 290.6 291.4 292.4	D.O. (mg/L) 0.85 0.86 0.87	6.35 6.35 6.36 6.36	ORP (mV) 52.9 52.3 51.7 50.9	Turbidity (NTU)	DTW	Ferrous iron	
Replicate 1 2 3	Temp (°F/°C) 15.2 15.3	Cond. (uS/cm) 290.2 290.6	D.O. (mg/L) 0.85 0.86	pH 6.35 6.35 6.36	ORP (mV) 52.9 52.3	Turbidity	DTW	Ferrous iron	
Replicate 1 2 3 4	Temp (°F/°C) 15.2 15.3 15.4 15.6	Cond. (uS/cm) 290.2 290.6 291.4 292.4 291.2	D.O. (mg/L) 0.85 0.86 0.87 0.88	6.35 6.35 6.36 6.36	ORP (mV) 52.9 52.3 51.7 50.9	Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 15.2 15.3 15.4 15.6 15.4	Cond. (uS/cm) 290.2 290.6 291.4 292.4 291.2	D.O. (mg/L) 0.85 0.86 0.87 0.88 0.87	6.35 6.35 6.36 6.36 6.36 6.36	ORP (mV) 52.9 52.3 51.7 50.9	Turbidity (NTU) #DIV/0!	DTW (ft)	Ferrous iron (Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 15.2 15.3 15.4 15.6 15.4 TYPICAL A (8260-SIM)	Cond. (uS/cm) 290.2 290.6 291.4 292.4 291.2 NALYSIS AL (8010) (8020	D.O. (mg/L) 0.85 0.86 0.87 0.88 0.87 LOWED PI	6.35 6.35 6.36 6.36 6.36 ER BOTTLE G) (NWTPH	ORP (mV) 52.9 52.3 51.7 50.9 52.0 TYPE (Circle all H-Gx) (BTEX)	Turbidity (NTU) #DIV/0!	DTW (ft)	Ferrous iron (Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 15.2 15.3 15.4 15.6 15.4 (8260-SIM) (8270D) (PA (pH) (Condu	Cond. (uS/cm) 290.2 290.6 291.4 292.4 291.2 NALYSIS AL (8010) (8020 AH) (NWTPH activity) (TDS	D.O. (mg/L) 0.85 0.86 0.87 0.88 0.87 LOWED PI (NWTPH-I-D) (NWTI	6.35 6.35 6.36 6.36 6.36 ER BOTTLE G) (NWTPH PH-Dx) (TPH BOD) (Turbic	ORP (mV) 52.9 52.3 51.7 50.9 52.0 TYPE (Circle all-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity	#DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (6	DTW (ft)	Ferrous iron (Fe II) nalysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 15.2 15.3 15.4 15.6 15.4 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu	Cond. (uS/cm) 290.2 290.6 291.4 292.4 291.2 NALYSIS AL (8010) (8020 AH) (NWTPH lectivity) (TDS	D.O. (mg/L) 0.85 0.86 0.87 0.88 0.87 LOWED PI O (NWTPH-I-D)	6.35 6.35 6.36 6.36 6.36 6.36 CER BOTTLE G) (NWTPF PH-Dx) (TPF BOD) (Turbio tal Kiedahl N	ORP (mV) 52.9 52.3 51.7 50.9 52.0 TYPE (Circle all H-Gx) (BTEX) H-HCID) (8081)	#DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) (6	DTW (ft)	Ferrous iron (Fe II) nalysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 15.2 15.3 15.4 15.6 15.4 /TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Too (Total Cyanid	Cond. (uS/cm) 290.2 290.6 291.4 292.4 291.2 NALYSIS AL (8010) (8020 AH) (NWTPH (ctivity) (TDS) (C5310C) (Total) (e) (WAD Cy	D.O. (mg/L) 0.85 0.86 0.87 0.88 0.87 LOWED PP (NWTPH-I-D) (NWTH-I-D) (6.35 6.35 6.36 6.36 6.36 6.36 ER BOTTLE G) (NWTPI PH-Dx) (TPF BOD) (Turbio ttal Kiedahl N C Cyanide)	ORP (mV) 52.9 52.3 51.7 50.9 52.0 TYPE (Circle and H-Gx) (BTEX) H-HCID) (8081) dity) (Alkalinity (itrogen) (NH3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G) (HCO3/CO3) ((NO3/NO2)	DTW (ft) non-standard a rease) C1) (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 OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 15.2 15.3 15.4 15.6 15.4 (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Tod (Total Cyanid (Total Metals)	Cond. (uS/cm) 290.2 290.6 291.4 292.4 291.2 NALYSIS AL (8010) (8020 AH) (NWTPH (activity) (TDS) (25310C) (Tot (e) (WAD Cy (dAs) (Sb) (1)	D.O. (mg/L) 0.85 0.86 0.87 0.88 0.87 LOWED PF (NWTPH-I-D) (6.35 6.35 6.36 6.36 6.36 ER BOTTLE PH-Dx) (TPF BOD) (Turbic otal Kiedahl Ne Cyanide) a) (Cd) (Co)	ORP (mV) 52.9 52.3 51.7 50.9 52.0 TYPE (Circle all 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 rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 15.2 15.3 15.4 15.6 15.4 (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M	Cond. (uS/cm) 290.2 290.6 291.4 292.4 291.2 NALYSIS AL (8010) (8020 AH) (NWTPH (activity) (TDS (25310C) (Tot (be) (WAD Cy () (As) (Sb) (I etals) (As) (Sb) (Sb)	D.O. (mg/L) 0.85 0.86 0.87 0.88 0.87 LOWED PF (NWTPH-I-D) (6.35 6.35 6.36 6.36 6.36 ER BOTTLE PH-Dx) (TPF BOD) (Turbic otal Kiedahl Ne Cyanide) a) (Cd) (Co)	ORP (mV) 52.9 52.3 51.7 50.9 52.0 TYPE (Circle all 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 rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 15.2 15.3 15.4 15.6 15.4 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Too (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 290.2 290.6 291.4 292.4 291.2 NALYSIS AL (8010) (8020 AH) (NWTPH (ctivity) (TDS) (25310C) (Tot (e) (WAD Cy) (As) (Sb) (I (etals) (As) (Sb (g short list)	D.O. (mg/L) 0.85 0.86 0.87 0.88 0.87 LOWED PI (NWTPH-I-D) (NWTI I-D) (NWTI I-D) (To anide) (Free Ba) (Be) (Ca	6.35 6.35 6.36 6.36 6.36 ER BOTTLE PH-Dx) (TPF BOD) (Turbic otal Kiedahl Ne Cyanide) a) (Cd) (Co)	ORP (mV) 52.9 52.3 51.7 50.9 52.0 TYPE (Circle all 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 rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 15.2 15.3 15.4 15.6 15.4 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Too (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 290.2 290.6 291.4 292.4 291.2 NALYSIS AL (8010) (8020 AH) (NWTPH (activity) (TDS (25310C) (Tot (be) (WAD Cy () (As) (Sb) (I etals) (As) (Sb) (Sb)	D.O. (mg/L) 0.85 0.86 0.87 0.88 0.87 LOWED PI (NWTPH-I-D) (NWTI I-D) (NWTI I-D) (To anide) (Free Ba) (Be) (Ca	6.35 6.35 6.36 6.36 6.36 ER BOTTLE PH-Dx) (TPF BOD) (Turbic otal Kiedahl Ne Cyanide) a) (Cd) (Co)	ORP (mV) 52.9 52.3 51.7 50.9 52.0 TYPE (Circle all 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 rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 15.2 15.3 15.4 15.6 15.4 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Too (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 290.2 290.6 291.4 292.4 291.2 NALYSIS AL (8010) (8020 AH) (NWTPH (ctivity) (TDS) (25310C) (Tot (e) (WAD Cy) (As) (Sb) (I (etals) (As) (Sb (g short list)	D.O. (mg/L) 0.85 0.86 0.87 0.88 0.87 LOWED PI (NWTPH-I-D) (NWTI I-D) (NWTI I-D) (To anide) (Free Ba) (Be) (Ca	6.35 6.35 6.36 6.36 6.36 ER BOTTLE PH-Dx) (TPF BOD) (Turbic otal Kiedahl Ne Cyanide) a) (Cd) (Co)	ORP (mV) 52.9 52.3 51.7 50.9 52.0 TYPE (Circle all 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 rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 15.2 15.3 15.4 15.6 15.4 TYPICAL A (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Too (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 290.2 290.6 291.4 292.4 291.2 NALYSIS AL (8010) (8020 AH) (NWTPH (ctivity) (TDS) (25310C) (Tot (e) (WAD Cy) (As) (Sb) (I (etals) (As) (Sb (g short list)	D.O. (mg/L) 0.85 0.86 0.87 0.88 0.87 LOWED PI (NWTPH-I-D) (NWTI I-D) (NWTI I-D) (To anide) (Free Ba) (Be) (Ca	6.35 6.35 6.36 6.36 6.36 ER BOTTLE PH-Dx) (TPF BOD) (Turbic otal Kiedahl Ne Cyanide) a) (Cd) (Co)	ORP (mV) 52.9 52.3 51.7 50.9 52.0 TYPE (Circle all 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 rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 15.2 15.3 15.4 15.6 15.4 (8260-SIM) (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 290.2 290.6 291.4 292.4 291.2 NALYSIS AL (8010) (8020 AH) (NWTPH (ctivity) (TDS) (25310C) (Tot (e) (WAD Cy) (As) (Sb) (I (etals) (As) (Sb (g short list)	D.O. (mg/L) 0.85 0.86 0.87 0.88 0.87 LOWED PI (NWTPH-I-D) (NWTI I-D) (NWTI I-D) (To anide) (Free Ba) (Be) (Ca	6.35 6.35 6.36 6.36 6.36 ER BOTTLE PH-Dx) (TPF BOD) (Turbic otal Kiedahl Ne Cyanide) a) (Cd) (Co)	ORP (mV) 52.9 52.3 51.7 50.9 52.0 TYPE (Circle all 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 rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 15.2 15.3 15.4 15.6 15.4 TYPICAL A (8260-SIM) (8270D) (PA (PH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth)	Cond. (uS/cm) 290.2 290.6 291.4 292.4 291.2 NALYSIS AL (8010) (8020 AH) (NWTPH (ctivity) (TDS) (25310C) (Tot (e) (WAD Cy) (As) (Sb) (I (etals) (As) (Sb (g short list)	D.O. (mg/L) 0.85 0.86 0.87 0.88 0.87 LOWED PI (NWTPH-I-D) (NWTI I-D) (NWTI I-D) (To anide) (Free Ba) (Be) (Ca	6.35 6.35 6.36 6.36 6.36 ER BOTTLE PH-Dx) (TPF BOD) (Turbic otal Kiedahl Ne Cyanide) a) (Cd) (Co)	ORP (mV) 52.9 52.3 51.7 50.9 52.0 TYPE (Circle all 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 rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 15.2 15.3 15.4 15.6 15.4 TYPICAL A (8260-SIM) (8270D) (PA (PH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth)	Cond. (uS/cm) 290.2 290.6 291.4 292.4 291.2 NALYSIS AL (8010) (8020 AH) (NWTPH (ctivity) (TDS) (25310C) (Tot (e) (WAD Cy) (As) (Sb) (I (etals) (As) (Sb (g short list)	D.O. (mg/L) 0.85 0.86 0.87 0.88 0.87 LOWED PI (NWTPH-I-D) (NWTI I-D) (NWTI I-D) (To anide) (Free Ba) (Be) (Ca	6.35 6.35 6.36 6.36 6.36 ER BOTTLE PH-Dx) (TPF BOD) (Turbic otal Kiedahl Ne Cyanide) a) (Cd) (Co)	ORP (mV) 52.9 52.3 51.7 50.9 52.0 TYPE (Circle all 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 rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR



Project Nam	ıe:	Boeing Ren	ton		Project Numbe	r <u>:</u>	0025217.099.0	99	
Event:		May-20			Date/Time:	05/12/2020@	1311		
Sample Nun	nber:	RGW031S-	200512		Weather:	CLOUDY			
Landau Rep	resentative:	JAN							
WATERIEV	/EL/WELL/PU	IRGE DATA							
Well Condition		Secure (YES))	Damaged (N	(O)	Describe:	Flush Mount		
		4.09	Time:	• ,			1 Iushi Woulit	GW Motor No. (c	. 1
DTW Before				End Purge:	Flow through ce	05/12/2020 @	1205	GW Meter No.(s	
Begin Purge:		05/12/2020 @		_			_	Gallons Purged:	0.25
Purge water d	iisposed to:		55-gal Drum		Storage Tank	Ground	Other	SITE TREATM	ENI SYSIEM
Time	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity (NTU)	DTW (ft)	Internal Purge Volume (gal)	Comments/ Observations
	_					lings within the fo	~	>/= 1 flow	
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
1247	17.7	416.6	0.32	6.26	46.0		4.10		
1250	18.4	429.2	0.38	6.31	39.1		4.10		
1253	18.7	437.2	0.32	6.34	33.9		4.10		
-									
1256		442.5	0.40	6.38	26.8		-		
1259	18.9	446.9	0.46	6.40	23.0				
1302	19.1	450.3	0.58	6.42	16.0				
1304	19.2	450.3	0.59	6.43	15.7				
SAMPLE CO	LLECTION D	DATA							
Sample Colle	cted With:		Bailer		Pump/Pump Type	DED. BLADDER			
Made of:		Stainless Stee	el 🔲	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proced	lure:	Alconox Was	ıh 🗀	Tap Rinse	DI Water	Dedicated		_	
(By Numerica		Other	·· •	Tup Tunio		Doundated			
(-)									
Sample Descr	,	-	sheen etc.):	NO COLOR	LOW TURB N	O/NS			
Sample Descr	,	-	, sheen, etc.):	NO COLOR	, LOW TURB, N	O/NS.			
Sample Descri	,	-	, sheen, etc.):	NO COLOR	, LOW TURB, N	O/NS. Turbidity	DTW	Ferrous iron	Comments/
	ription (color,	turbidity, odor					DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
	ription (color, t	turbidity, odor	D.O.		ORP	Turbidity			
Replicate	Temp (°F/°C)	Cond. (uS/cm) 449.9	D.O. (mg/L)	рН 6.43	ORP (mV)	Turbidity			
Replicate 1 2	Temp (°F/°C) 19.2	Cond. (uS/cm) 449.9	D.O. (mg/L) 0.60	pH 6.43 6.43	ORP (mV) 14.9	Turbidity			
Replicate 1 2 3	Temp (°F/°C) 19.2 19.2	Cond. (uS/cm) 449.9 451.8	D.O. (mg/L) 0.60 0.62	pH 6.43 6.43 6.43	ORP (mV) 14.9 14.3	Turbidity			
Replicate 1 2	Temp (°F/°C) 19.2	Cond. (uS/cm) 449.9	D.O. (mg/L) 0.60	pH 6.43 6.43	ORP (mV) 14.9	Turbidity			
Replicate 1 2 3	Temp (°F/°C) 19.2 19.2	Cond. (uS/cm) 449.9 451.8	D.O. (mg/L) 0.60 0.62	pH 6.43 6.43 6.43	ORP (mV) 14.9 14.3	Turbidity			
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.2 19.2 19.2 19.3 19.2	Cond. (uS/cm) 449.9 449.9 451.8 450.7	D.O. (mg/L) 0.60 0.62 0.63 0.62	pH 6.43 6.43 6.43 6.43 6.43	ORP (mV) 14.9 14.3 13.8 13.1 14.0	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.2 19.2 19.2 19.3 19.2	Cond. (uS/cm) 449.9 449.9 451.8 450.7 450.6	D.O. (mg/L) 0.60 0.62 0.63 0.62	pH 6.43 6.43 6.43 6.43 6.43 6.43	ORP (mV) 14.9 14.3 13.8 13.1 14.0 TYPE (Circle a)	Turbidity (NTU)	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.2 19.2 19.2 19.3 19.2 TYPICAL A (8260) (8010	Cond. (uS/cm) 449.9 451.8 450.7 450.6 NALYSIS AI 0) (8020) (N	D.O. (mg/L) 0.60 0.62 0.63 0.62 0.62 LOWED PE	6.43 6.43 6.43 6.43 6.43 CR BOTTLE	ORP (mV) 14.9 14.3 13.8 13.1 14.0 TYPE (Circle applied (Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.2 19.2 19.3 19.2 TYPICAL A (8260) (8010 (8270) (PAH	Cond. (uS/cm) 449.9 451.8 450.7 450.6 NALYSIS AL () (8020) (N	D.O. (mg/L) 0.60 0.62 0.63 0.62 0.62 LOWED PE	6.43 6.43 6.43 6.43 6.43 6.43 CR BOTTLE NWTPH-GX I-DX) (TPH-	ORP (mV) 14.9 14.3 13.8 13.1 14.0 TYPE (Circle a) (BTEX) 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) 19.2 19.2 19.3 19.2 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu	Cond. (uS/cm) 449.9 449.9 451.8 450.7 450.6 NALYSIS AI () (8020) (N I) (NWTPH-I	D.O. (mg/L) 0.60 0.62 0.63 0.62 0.62 LOWED PERMITH-G) (MWTPH-G) (MWTPH	6.43 6.43 6.43 6.43 6.43 6.43 CR BOTTLE NWTPH-Gx I-Dx) (TPH-GOD) (Turbic	ORP (mV) 14.9 14.3 13.8 13.1 14.0 TYPE (Circle a) (BTEX) HCID) (8081)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (0	non-standard a	nalysis below) WA WA WA	Observations OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 19.2 19.2 19.2 19.3 19.2 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu	Cond. (uS/cm) 449.9 449.9 451.8 450.7 450.6 NALYSIS AI () (8020) (N I) (NWTPH-I	D.O. (mg/L) 0.60 0.62 0.63 0.62 0.62 LOWED PEWTPH-G) (D) (NWTPH S) (TSS) (B	6.43 6.43 6.43 6.43 6.43 6.43 CR BOTTLE NWTPH-Gx I-Dx) (TPH- BOD) (Turbid dahl Nitroger	ORP (mV) 14.9 14.3 13.8 13.1 14.0 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (0	non-standard a	nalysis below) WA WA WA	Observations OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 19.2 19.2 19.2 19.3 19.2 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Too	Cond. (uS/cm) 449.9 449.9 451.8 450.7 450.6 NALYSIS AI (0) (8020) (N (1) (NWTPH-lectivity) (TDS	D.O. (mg/L) 0.60 0.62 0.63 0.62 LOWED PF WTPH-G) (D) (NWTPH S) (TSS) (B H) (Total Kie anide) (Free	pH 6.43 6.43 6.43 6.43 6.43 CR BOTTLE NWTPH-Gx I-Dx) (TPH-GOD) (Turbidahl Nitroger Cyanide)	ORP (mV) 14.9 14.3 13.8 13.1 14.0 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity a) (NH3) (NO3.	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (0	non-standard a ase) Cl) (SO4) (NO	nalysis below) WA WA O WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 19.2 19.2 19.2 19.3 19.2 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Tod (Total Cyanid	Cond. (uS/cm) 449.9 449.9 451.8 450.7 450.6 NALYSIS AI (D) (8020) (NI) (NWTPH-lactivity) (TDS	D.O. (mg/L) 0.60 0.62 0.63 0.62 LOWED PE WTPH-G) (D) (NWTPH S) (TSS) (B H) (Total Kie anide) (Free Ba) (Be) (Ca	pH 6.43 6.43 6.43 6.43 6.43 CR BOTTLE NWTPH-GX I-DX) (TPH- BOD) (Turbidahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 14.9 14.3 13.8 13.1 14.0 TYPE (Circle aportion (BTEX)) HCID) (8081) dity) (Alkalinity n) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (Oil (MO2)	non-standard a ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OO OO OO OO OO (TI) (V) (Zn) (H	Observations OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 19.2 19.2 19.2 19.3 19.2 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Tod (Total Cyanid	Cond. (uS/cm) 449.9 449.9 451.8 450.7 450.6 NALYSIS AL (b) (8020) (N (c) (Total PO4 (ce) (WAD Cy (c) (As) (Sb) (Setals) (As) (Sb) (Setals) (As) (Sb)	D.O. (mg/L) 0.60 0.62 0.63 0.62 LOWED PE WTPH-G) (D) (NWTPH S) (TSS) (B H) (Total Kie anide) (Free Ba) (Be) (Ca	pH 6.43 6.43 6.43 6.43 6.43 CR BOTTLE NWTPH-GX I-DX) (TPH- BOD) (Turbidahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 14.9 14.3 13.8 13.1 14.0 TYPE (Circle aportion (BTEX)) HCID) (8081) dity) (Alkalinity n) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (Oil (MO2)	non-standard a ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OO OO OO OO OO (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 19.2 19.2 19.2 19.3 19.2 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Tod (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 449.9 449.9 451.8 450.7 450.6 NALYSIS AL (b) (8020) (N (c) (Total PO4 (ce) (WAD Cy (c) (As) (Sb) (Setals) (As) (Sb) (Setals) (As) (Sb)	D.O. (mg/L) 0.60 0.62 0.63 0.62 0.62 LOWED PERMITH-G) (D) (NWTPH-G) (D) (NWTPH-G) (D) (Total Kie anide) (Free Ba) (Be) (Ca	pH 6.43 6.43 6.43 6.43 6.43 CR BOTTLE NWTPH-GX I-DX) (TPH- BOD) (Turbidahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 14.9 14.3 13.8 13.1 14.0 TYPE (Circle aportion (BTEX)) HCID) (8081) dity) (Alkalinity n) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (Oil (MO2)	non-standard a ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OO OO OO OO OO (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 19.2 19.2 19.2 19.3 19.2 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Tod (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 449.9 449.9 451.8 450.7 450.6 NALYSIS AI () (8020) (N I) (NWTPH-I () (TDS) (C) (Total PO4 () (AS) (Sb) (Se () (Ss) (Sb) (Se () (Ss) (Ss) (Se () (Ss) (Ss) (Ss) (Ss) (Ss) (Ss) (Ss) (S	D.O. (mg/L) 0.60 0.62 0.63 0.62 0.62 LOWED PERMITH-G) (D) (NWTPH-G) (D) (NWTPH-G) (D) (Total Kie anide) (Free Ba) (Be) (Ca	pH 6.43 6.43 6.43 6.43 6.43 CR BOTTLE NWTPH-GX I-DX) (TPH- BOD) (Turbidahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 14.9 14.3 13.8 13.1 14.0 TYPE (Circle aportion (BTEX)) HCID) (8081) dity) (Alkalinity n) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (Oil (MO2)	non-standard a ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OO OO OO OO OO (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 19.2 19.2 19.2 19.2 19.2 19.3 19.2 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 449.9 449.9 451.8 450.7 450.6 NALYSIS AI () (8020) (N I) (NWTPH-I () (TDS) (C) (Total PO4 () (AS) (Sb) (Se () (Ss) (Sb) (Se () (Ss) (Ss) (Se () (Ss) (Ss) (Ss) (Ss) (Ss) (Ss) (Ss) (S	D.O. (mg/L) 0.60 0.62 0.63 0.62 0.62 LOWED PERMITH-G) (D) (NWTPH-G) (D) (NWTPH-G) (D) (Total Kie anide) (Free Ba) (Be) (Ca	pH 6.43 6.43 6.43 6.43 6.43 CR BOTTLE NWTPH-GX I-DX) (TPH- BOD) (Turbidahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 14.9 14.3 13.8 13.1 14.0 TYPE (Circle aportion (BTEX)) HCID) (8081) dity) (Alkalinity n) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (Oil (MO2)	non-standard a ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OO OO OO OO OO (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 19.2 19.2 19.2 19.3 19.2 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Tod (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 449.9 449.9 451.8 450.7 450.6 NALYSIS AI () (8020) (N I) (NWTPH-I () (TDS) (C) (Total PO4 () (AS) (Sb) (Se () (Ss) (Sb) (Se () (Ss) (Ss) (Se () (Ss) (Ss) (Ss) (Ss) (Ss) (Ss) (Ss) (S	D.O. (mg/L) 0.60 0.62 0.63 0.62 0.62 LOWED PERMITH-G) (D) (NWTPH-G) (D) (NWTPH-G) (D) (Total Kie anide) (Free Ba) (Be) (Ca	pH 6.43 6.43 6.43 6.43 6.43 CR BOTTLE NWTPH-GX I-DX) (TPH- BOD) (Turbidahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 14.9 14.3 13.8 13.1 14.0 TYPE (Circle aportion (BTEX)) HCID) (8081) dity) (Alkalinity n) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (Oil (MO2)	non-standard a ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OO OO OO OO OO (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 19.2 19.2 19.2 19.2 19.3 19.2 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 449.9 449.9 451.8 450.7 450.6 NALYSIS AI () (8020) (N () (NWTPH-lectivity) (TDS () (Total PO4 () (As) (Sb) (letals) (As) (Sb) g short list) ane Ethene Ac	D.O. (mg/L) 0.60 0.62 0.63 0.62 0.62 LOWED PE WTPH-G) (D) (NWTPH S) (TSS) (B H) (Total Kie anide) (Free Ba) (Be) (Ca b) (Ba) (Be) (Ca cetylene	pH 6.43 6.43 6.43 6.43 6.43 6.43 CR BOTTLE NWTPH-Gx L-Dx) (TPH-GOD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co) Ca) (Cd) (Co)	ORP (mV) 14.9 14.3 13.8 13.1 14.0 TYPE (Circle aportion (BTEX)) HCID) (8081) dity) (Alkalinity n) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (Oil (MO2)	non-standard a ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OO OO OO OO OO (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 19.2 19.2 19.2 19.2 19.3 19.2 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 449.9 449.9 451.8 450.7 450.6 NALYSIS AI () (8020) (N I) (NWTPH-I () (TDS) (C) (Total PO4 () (AS) (Sb) (Se () (Ss) (Sb) (Se () (Ss) (Ss) (Se () (Ss) (Ss) (Ss) (Ss) (Ss) (Ss) (Ss) (S	D.O. (mg/L) 0.60 0.62 0.63 0.62 0.62 LOWED PE WTPH-G) (D) (NWTPH S) (TSS) (B H) (Total Kie anide) (Free Ba) (Be) (Ca b) (Ba) (Be) (Ca cetylene	pH 6.43 6.43 6.43 6.43 6.43 6.43 CR BOTTLE NWTPH-Gx L-Dx) (TPH-GOD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co) Ca) (Cd) (Co)	ORP (mV) 14.9 14.3 13.8 13.1 14.0 TYPE (Circle aportion (BTEX)) HCID) (8081) dity) (Alkalinity n) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (Oil (MO2)	non-standard a ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OO OO OO OO OO (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 19.2 19.2 19.2 19.2 19.3 19.2 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 449.9 449.9 451.8 450.7 450.6 NALYSIS AI () (8020) (N () (NWTPH-lectivity) (TDS () (Total PO4 () (As) (Sb) (letals) (As) (Sb) g short list) ane Ethene Ac	D.O. (mg/L) 0.60 0.62 0.63 0.62 0.62 LOWED PE WTPH-G) (D) (NWTPH S) (TSS) (B H) (Total Kie anide) (Free Ba) (Be) (Ca b) (Ba) (Be) (Ca cetylene	pH 6.43 6.43 6.43 6.43 6.43 6.43 CR BOTTLE NWTPH-Gx L-Dx) (TPH-GOD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co) Ca) (Cd) (Co)	ORP (mV) 14.9 14.3 13.8 13.1 14.0 TYPE (Circle aportion (BTEX)) HCID) (8081) dity) (Alkalinity n) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (Oil (MO2)	non-standard a ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OO OO OO OO OO (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR



Project Nan	ne:	Boeing Ren	ton		Project Number	r <u>:</u>	0025217.099.0	199	
Event:		May-20			Date/Time:	05/12/2020@	800		
Sample Nur	mber:	RGWDUP2	200512		Weather:	CLOUDY			
Landau Rep	resentative:	JAN							
WATEDIE	VEL/WELL/PU	IDGE DATA							
WATER LE Well Conditi		Secure (YES))	Damaged (N	(0)	Dogoribo	Flush Mount		
		Secure (1ES		Damaged (N			Flush Mount		
DTW Before			Time:		Flow through ce			GW Meter No.(s 1
-		05/12/2020 @		End Purge:		05/12/2020 @		Gallons Purged:	
Purge water	disposed to:		55-gal Drum	Ш	Storage Tank	Ground	Other	SITE TREATM	ENT SYSTEM
	Temp	Cond.	D.O.	pН	ORP	Turbidity	DTW	Internal Purge	Comments/
Time	(°F/°C)	(uS/cm)	(mg/L)	•	(mV)	(NTU)	(ft)	Volume (gal)	Observations
	~					dings within the fo	~	>/= 1 flow	
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
		DUŁ	PLICA	ATE I	TO RGV	W031S			
	_								
						-			
	OLLECTION I								
Sample Colle	ected With:		Bailer		Pump/Pump Type	DED. BLADDER	<u> </u>	•	
Made of:		Stainless Stee	el 🔲	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proce	dure:	Alconox Was	sh 🔲	Tap Rinse	DI Water	Dedicated			
(By Numerica	al Order)	Other				_			
Sample Desc	ription (color.	-	sheen etc.):	NO COLOR	LOW TURB. N	O/NS			
Sample Desc	cription (color,	-	, sheen, etc.):	NO COLOR	, LOW TURB, N	O/NS.			
Sample Desc Replicate	ription (color,	-	, sheen, etc.):	NO COLOR	, LOW TURB, N	O/NS. Turbidity	DTW	Ferrous iron	Comments/
		turbidity, odor					DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
	Temp	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity			
Replicate	Temp (°F/°C)	Cond. (uS/cm) 450.5	D.O. (mg/L)	рН 6.43	ORP (mV)	Turbidity			
Replicate	Temp (°F/°C) 19.3	Cond. (uS/cm) 450.5	D.O. (mg/L) 0.62	pH 6.43 6.44	ORP (mV) 12.6	Turbidity			
Replicate	Temp (°F/°C)	Cond. (uS/cm) 450.5	D.O. (mg/L)	рН 6.43	ORP (mV)	Turbidity			
Replicate 1 2	Temp (°F/°C) 19.3	Cond. (uS/cm) 450.5	D.O. (mg/L) 0.62	pH 6.43 6.44	ORP (mV) 12.6	Turbidity			
Replicate 1 2 3 4	Temp (°F/°C) 19.3 19.3 19.3	Cond. (uS/cm) 450.5 450.7 452.9	D.O. (mg/L) 0.62 0.64 0.65	pH 6.43 6.44 6.44	ORP (mV) 12.6 12.2 11.8 11.4	Turbidity (NTU)			
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.3 19.3 19.3 19.3	Cond. (uS/cm) 450.5 450.7 452.9 452.0	D.O. (mg/L) 0.62 0.64 0.65 0.62 0.63	pH 6.43 6.44 6.44 6.44	ORP (mV) 12.6 12.2 11.8 11.4 12.0	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.3 19.3 19.3 19.3	Cond. (uS/cm) 450.5 450.7 452.9 452.0	D.O. (mg/L) 0.62 0.64 0.65 0.62 0.63	pH 6.43 6.44 6.44 6.44	ORP (mV) 12.6 12.2 11.8 11.4 12.0	Turbidity (NTU)	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.3 19.3 19.3 19.3	Cond. (uS/cm) 450.5 450.7 452.9 452.0 451.5	D.O. (mg/L) 0.62 0.64 0.65 0.62 0.63	6.43 6.44 6.44 6.44 6.44 CR BOTTLE	ORP (mV) 12.6 12.2 11.8 11.4 12.0 TYPE (Circle a	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 (8260) (8010	Cond. (uS/cm) 450.5 450.7 452.9 452.0 451.5 NALYSIS AI 0) (8020) (N	D.O. (mg/L) 0.62 0.64 0.65 0.62 0.63 LOWED PE	6.43 6.44 6.44 6.44 6.44 CR BOTTLE	ORP (mV) 12.6 12.2 11.8 11.4 12.0 TYPE (Circle a)) (BTEX)	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.3 19.3 19.3 19.3 19.3 (TYPICAL A (8260) (8010) (8270) (PAF	Cond. (uS/cm) 450.5 450.7 452.9 451.5 NALYSIS AL 0) (8020) (NH) (NWTPH-I	D.O. (mg/L) 0.62 0.64 0.65 0.62 0.63 LOWED PE	6.43 6.44 6.44 6.44 6.44 ER BOTTLE NWTPH-GX	ORP (mV) 12.6 12.2 11.8 11.4 12.0 TYPE (Circle a) (BTEX) HCID) (8081)	Turbidity (NTU) #DIV/0!	(ft)	nalysis below) WA WA WA	Observations OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.3 19.3 19.3 19.3 19.3 (8260) (8010 (8270) (PAF (pH) (Condu	Cond. (uS/cm) 450.5 450.7 452.9 452.0 451.5 NALYSIS AL 0) (8020) (N H) (NWTPH-I	D.O. (mg/L) 0.62 0.64 0.65 0.62 0.63 LOWED PERMITH-G) (MWTPH-G) (MWTPH	6.43 6.44 6.44 6.44 6.44 CR BOTTLE NWTPH-Gx I-Dx) (TPH-GOD) (Turbi	ORP (mV) 12.6 12.2 11.8 11.4 12.0 TYPE (Circle a) (BTEX) HCID) (8081)	#DIV/0! pplicable or write to (8141) (Oil & Gree) (HCO3/CO3) (Oil & Control of the control of t	(ft)	nalysis below) WA WA WA	Observations OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.3 19.3 19.3 19.3 19.3 (8260) (8010 (8270) (PAF (pH) (Conduction) (COD) (TOO	Cond. (uS/cm) 450.5 450.7 452.9 452.0 451.5 NALYSIS AL 0) (8020) (N H) (NWTPH-I	D.O. (mg/L) 0.62 0.64 0.65 0.62 0.63 LOWED PERMITPH-G) (D) (NWTPH-G) (D) (NWTPH-G) (D) (Total Kie	6.43 6.44 6.44 6.44 6.44 CR BOTTLE NWTPH-Gx I-Dx) (TPH- GOD) (Turbidahl Nitroger	ORP (mV) 12.6 12.2 11.8 11.4 12.0 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity	#DIV/0! pplicable or write to (8141) (Oil & Gree) (HCO3/CO3) (Oil & Control of the control of t	(ft)	nalysis below) WA WA WA	Observations 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 (8270) (PAF (pH) (Condu (COD) (Tool (Total Cyanic	Cond. (uS/cm) 450.5 450.7 452.9 451.5 NALYSIS AI (0) (8020) (N H) (NWTPH-lactivity) (TDS	D.O. (mg/L) 0.62 0.64 0.65 0.62 0.63 LOWED PF WTPH-G) (D) (NWTPH G) (TSS) (B H) (Total Kie anide) (Free	pH 6.43 6.44 6.44 6.44 6.8 BOTTLE NWTPH-Gx I-Dx) (TPH-GOD) (Turbic dahl Nitroger Cyanide)	ORP (mV) 12.6 12.2 11.8 11.4 12.0 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (MH3) (NO3)	#DIV/0! pplicable or write to (8141) (Oil & Gree) (HCO3/CO3) (Oil & Control of the control of t	non-standard a ase) Cl) (SO4) (NO	nalysis below) WA WA O WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.3 19.3 19.3 19.3 19.3 7 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Tood (Total Cyanic (Total Metals)	Cond. (uS/cm) 450.5 450.7 452.9 451.5 NALYSIS AI (0) (8020) (N H) (NWTPH-lactivity) (TDS (C) (Total PO4 de) (WAD Cy) (As) (Sb) (1	D.O. (mg/L) 0.62 0.64 0.65 0.62 0.63 LOWED PE WTPH-G) (D) (NWTPH S) (TSS) (B H) (Total Kie anide) (Free Ba) (Be) (Ca	pH 6.43 6.44 6.44 6.44 6.44 CR BOTTLE NWTPH-Gx I-Dx) (TPH- BOD) (Turbit dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 12.6 12.2 11.8 11.4 12.0 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 O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.3 19.3 19.3 19.3 19.3 7 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Tood (Total Cyanic (Total Metals)	Cond. (uS/cm) 450.5 450.7 452.9 451.5 NALYSIS AL 0) (8020) (N H) (NWTPH-lectivity) (TDS C) (Total PO4 de) (WAD Cy) (As) (Sb) (10 cetals) (As) (Sb) (Setals) (As) (Sb)	D.O. (mg/L) 0.62 0.64 0.65 0.62 0.63 LOWED PE WTPH-G) (D) (NWTPH S) (TSS) (B H) (Total Kie anide) (Free Ba) (Be) (Ca	pH 6.43 6.44 6.44 6.44 6.44 CR BOTTLE NWTPH-Gx I-Dx) (TPH- BOD) (Turbit dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 12.6 12.2 11.8 11.4 12.0 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 O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.3 19.3 19.3 19.3 19.3 (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Tool (Total Cyanic (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 450.5 450.7 452.9 451.5 NALYSIS AL 0) (8020) (N H) (NWTPH-lectivity) (TDS C) (Total PO4 de) (WAD Cy) (As) (Sb) (10 cetals) (As) (Sb) (Setals) (As) (Sb)	D.O. (mg/L) 0.62 0.64 0.65 0.62 0.63 LOWED PERMITH-G) (D) (NWTPH-G) (D) (Total Kie anide) (Free Ba) (Be) (Ca	pH 6.43 6.44 6.44 6.44 6.44 CR BOTTLE NWTPH-Gx I-Dx) (TPH- BOD) (Turbit dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 12.6 12.2 11.8 11.4 12.0 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 O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.3 19.3 19.3 19.3 19.3 (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Tool (Total Cyanic (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 450.5 450.7 452.9 452.0 451.5 NALYSIS AI (0) (8020) (N H) (NWTPH-I (1ctivity) (TDS (1ctivity) (TDS (1ctivity) (X) (1ctivi	D.O. (mg/L) 0.62 0.64 0.65 0.62 0.63 LOWED PERMITH-G) (D) (NWTPH-G) (D) (Total Kie anide) (Free Ba) (Be) (Ca	pH 6.43 6.44 6.44 6.44 6.44 CR BOTTLE NWTPH-Gx I-Dx) (TPH- BOD) (Turbit dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 12.6 12.2 11.8 11.4 12.0 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 O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.3 19.3 19.3 19.3 19.3 (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Tool (Total Cyanic (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 450.5 450.7 452.9 452.0 451.5 NALYSIS AI (0) (8020) (N H) (NWTPH-I (1ctivity) (TDS (1ctivity) (TDS (1ctivity) (X) (1ctivi	D.O. (mg/L) 0.62 0.64 0.65 0.62 0.63 LOWED PERMITH-G) (D) (NWTPH-G) (D) (Total Kie anide) (Free Ba) (Be) (Ca	pH 6.43 6.44 6.44 6.44 6.44 CR BOTTLE NWTPH-Gx I-Dx) (TPH-IOD) (Turbit dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 12.6 12.2 11.8 11.4 12.0 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 O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.3 19.3 19.3 19.3 19.3 7 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanic (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 450.5 450.7 452.9 452.0 451.5 NALYSIS AI (0) (8020) (N H) (NWTPH-I (1ctivity) (TDS (1ctivity) (TDS (1ctivity) (X) (1ctivi	D.O. (mg/L) 0.62 0.64 0.65 0.62 0.63 LOWED PERMITH-G) (D) (NWTPH-G) (D) (Total Kie anide) (Free Ba) (Be) (Ca	pH 6.43 6.44 6.44 6.44 6.44 CR BOTTLE NWTPH-Gx I-Dx) (TPH-IOD) (Turbit dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 12.6 12.2 11.8 11.4 12.0 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 O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.3 19.3 19.3 19.3 19.3 (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Tool (Total Cyanic (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 450.5 450.7 452.9 452.0 451.5 NALYSIS AI (0) (8020) (N H) (NWTPH-I (1ctivity) (TDS (1ctivity) (TDS (1ctivity) (X) (1ctivi	D.O. (mg/L) 0.62 0.64 0.65 0.62 0.63 LOWED PERMITH-G) (D) (NWTPH-G) (D) (Total Kie anide) (Free Ba) (Be) (Ca	pH 6.43 6.44 6.44 6.44 6.44 CR BOTTLE NWTPH-Gx I-Dx) (TPH-IOD) (Turbit dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 12.6 12.2 11.8 11.4 12.0 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 O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 19.3 19.3 19.3 19.3 19.3 7 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanic (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 450.5 450.7 452.9 452.0 451.5 NALYSIS AI (0) (8020) (N H) (NWTPH-I (1ctivity) (TDS (1ctivity) (TDS (1ctivity) (X) (1ctivi	D.O. (mg/L) 0.62 0.64 0.65 0.62 0.63 LOWED PE (WTPH-G) (D) (NWTPH-G) (Total Kiesanide) (Free Ba) (Be) (Case) (Ba) (Be) (Case) (Ba) (Be) (Case)	pH 6.43 6.44 6.44 6.44 6.44 CR BOTTLE NWTPH-Gx I-Dx) (TPH-IOD) (Turbit dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 12.6 12.2 11.8 11.4 12.0 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 O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 19.3 19.3 19.3 19.3 19.3 7 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanic (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 450.5 450.7 452.9 452.0 451.5 NALYSIS AI 0) (8020) (N H) (NWTPH-lectivity) (TDS C) (Total PO4 de) (WAD Cy) (As) (Sb) (I fetals) (As) (Sb g short list) hane Ethene Ac	D.O. (mg/L) 0.62 0.64 0.65 0.62 0.63 LOWED PE (WTPH-G) (D) (NWTPH-G) (Total Kiesanide) (Free Ba) (Be) (Case) (Ba) (Be) (Case) (Ba) (Be) (Case)	pH 6.43 6.44 6.44 6.44 6.44 CR BOTTLE NWTPH-Gx I-Dx) (TPH-IOD) (Turbit dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 12.6 12.2 11.8 11.4 12.0 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 O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 19.3 19.3 19.3 19.3 19.3 7 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanic (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 450.5 450.7 452.9 452.0 451.5 NALYSIS AI 0) (8020) (N H) (NWTPH-lectivity) (TDS C) (Total PO4 de) (WAD Cy) (As) (Sb) (I fetals) (As) (Sb g short list) hane Ethene Ac	D.O. (mg/L) 0.62 0.64 0.65 0.62 0.63 LOWED PE (WTPH-G) (D) (NWTPH-G) (Total Kiesanide) (Free Ba) (Be) (Case) (Ba) (Be) (Case) (Ba) (Be) (Case)	pH 6.43 6.44 6.44 6.44 6.44 CR BOTTLE NWTPH-Gx I-Dx) (TPH-IOD) (Turbit dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 12.6 12.2 11.8 11.4 12.0 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 O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR



Project Name	e:	Boeing Ren	iton		Project Numbe	r:	0025217.099.0	99	
Event:		May-20		_	Date/Time:	05/ 12 /2020@	1410		
Sample Num	ıber:	RGW033S-	200512		Weather:	SUNNY			
Landau Repr	esentative:	BXM			·				
WATER LEV	EI /WEI I /DI	IDCE DATA							
Well Conditio		Secure (YES)	Damaged (N	(O)	Describe	Flush Mount		
		`		- '			r iusii Moulit	CWM N	GL ODE 2
DTW Before	0 0 . ,	4.24	Time:		Flow through cel			GW Meter No.(s	
Begin Purge:		05/ 12 /202		End Purge:		05/ 12 /2020 @ 1	_	Gallons Purged:	
Purge water d	isposed to:		55-gal Drum	Ш	Storage Tank	Ground	Other	SITE TREATM	ENT SYSTEM
	Temp	Cond.	D.O.	pН	ORP	Turbidity	DTW	Internal Purge	Comments/
Time	(°F/°C)	(uS/cm)	(mg/L)	· · · · ·	(mV)	(NTU)	(ft)	Volume (gal)	Observations
	+/- 3%	ls: Stablizatio +/- 3%		+/- 0.1 units	+/- 10 mV	lings within the fol +/- 10%	< 0.3 ft	>/= 1 flow through cell	
1240						1, 10,0		un ough cen	
1348	16.7	334.2	0.19	6.25	-2.3		4.25		
1351	17.8	345.3	0.22	6.25	-11.9		4.24		
1354	18.4	353.2	0.31	6.24	-18.0		4.24		
1357	18.8	356.5	0.36	6.24	-22.1				
1400	18.9	359.3	0.40	6.24	-24.2				
1403	19.6	364.4	0.47	6.23	-28.0				
1406	20.0	368.7	0.56	6.23	-30.4				
SAMPLE CO	LLECTION D								
Sample Collec	cted With:		Bailer		Pump/Pump Type	BLADDER DEDI	CATED		
Made of:		Stainless Ste	el 🔲	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proced	ure:	Alconox Wa	sh 🔲	Tap Rinse	DI Water	Dedicated			
(By Numerica	1 ()	(C)			_				
(By I tumer real	i Oraer)	Other				_			
. •		-	, sheen, etc.):	CLEAR, CO	LORLESS, NO C	DOR, NO SHEEN	, TRACE DARI	K FINES	
Sample Descr	iption (color, t	turbidity, odor	-						
. •	iption (color, t	turbidity, odor	D.O.	CLEAR, CO	ORP	Turbidity	DTW	Ferrous iron	Comments/
Sample Descri Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)				Comments/ Observations
Sample Descr	iption (color, t	turbidity, odor	D.O.		ORP	Turbidity	DTW	Ferrous iron	
Sample Descri Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity	DTW	Ferrous iron	
Sample Descr Replicate	Temp (°F/°C)	Cond. (uS/cm) 369.0	D.O. (mg/L)	рН 6.23	ORP (mV)	Turbidity	DTW	Ferrous iron	
Sample Description Replicate 1 2	Temp (°F/°C) 20.1	Cond. (uS/cm) 369.0	D.O. (mg/L) 0.56	pH 6.23 6.23	ORP (mV) -30.6	Turbidity	DTW	Ferrous iron	
Replicate 1 2 3 4	Temp (°F/°C) 20.1 20.2	Cond. (uS/cm) 369.0 369.4 369.7	D.O. (mg/L) 0.56 0.58	6.23 6.23 6.23	ORP (mV) -30.6 -30.8	Turbidity	DTW	Ferrous iron	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 20.1 20.2 20.2 20.2	Cond. (uS/cm) 369.0 369.4 369.7 370.1 369.6	D.O. (mg/L) 0.56 0.58 0.57 0.57	6.23 6.23 6.23 6.23 6.23	ORP (mV) -30.6 -30.8 -30.9 -30.9	Turbidity (NTU) #DIV/0!	DTW (ft)	Ferrous iron (Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 20.1 20.2 20.2 20.2 TYPICAL A	Cond. (uS/cm) 369.0 369.4 369.7 370.1 369.6	D.O. (mg/L) 0.56 0.58 0.57 0.57	6.23 6.23 6.23 6.23 6.23 6.23 6.23	ORP (mV) -30.6 -30.8 -30.9 -30.9 -30.8 TYPE (Circle a)	Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 20.1 20.2 20.2 20.2 TYPICAL A (8260) (8010	Cond. (uS/cm) 369.0 369.4 369.7 370.1 369.6 NALYSIS AI 0) (8020) (N	D.O. (mg/L) 0.56 0.58 0.57 0.57 0.57	6.23 6.23 6.23 6.23 6.23 6.23 RER BOTTLE	ORP (mV) -30.6 -30.8 -30.9 -30.9 -30.8 TYPE (Circle approximately (BTEX)	Turbidity (NTU) #DIV/0! pplicable or write i	DTW (ft)	Ferrous iron (Fe II) nalysis below) WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 20.1 20.2 20.2 20.2 TYPICAL A (8260) (8010 (8270) (PAF	Cond. (uS/cm) 369.0 369.4 369.7 370.1 369.6 NALYSIS AI (NWTPH-	D.O. (mg/L) 0.56 0.58 0.57 0.57 0.57 LLOWED PP	6.23 6.23 6.23 6.23 6.23 6.23 RERBOTTLE NWTPH-GX 1-DX) (TPH-	ORP (mV) -30.6 -30.8 -30.9 -30.8 TYPE (Circle application (BTEX)) HCID) (8081)	#DIV/0!	DTW (ft)	Ferrous iron (Fe II) malysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 20.1 20.2 20.2 20.2 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu	Cond. (uS/cm) 369.0 369.4 369.7 370.1 369.6 NALYSIS AI (D) (8020) (N (I) (NWTPH- inctivity) (TD	D.O. (mg/L) 0.56 0.58 0.57 0.57 0.57 LLOWED PERWYPH-G) (NWTPH-G) (NWTPH-G) (NWTPH-G) (PROMED) (NWTPH-G) (PROMED) (NWTPH-G) (PROMED) (NWTPH-G) (PROMED) (NWTPH-G) (PROMED) (NWTPH-G) (PROMED) (PROME	6.23 6.23 6.23 6.23 6.23 6.23 6.23 6.23	ORP (mV) -30.6 -30.8 -30.9 -30.8 TYPE (Circle ap OBTEX) HCID) (8081) (dity) (Alkalinity)	#DIV/0! pplicable or write in (8141) (Oil & Green (HCO3/CO3) (Control of the control of the con	DTW (ft)	Ferrous iron (Fe II) malysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 20.1 20.2 20.2 20.2 20.2 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu	Cond. (uS/cm) 369.0 369.4 369.7 370.1 369.6 NALYSIS AI 0) (8020) (N II) (NWTPH- ictivity) (TD	D.O. (mg/L) 0.56 0.58 0.57 0.57 0.57 LLOWED PENTTH-G) (D) (NWTPH-S) (TSS) (E) (TSS) (E) (TSS) (E) (Total Kie	6.23 6.23 6.23 6.23 6.23 6.23 CR BOTTLE NWTPH-Gx I-Dx) (TPH- BOD) (Turbidahl Nitroger	ORP (mV) -30.6 -30.8 -30.9 -30.8 TYPE (Circle application (BTEX)) HCID) (8081)	#DIV/0! pplicable or write in (8141) (Oil & Green (HCO3/CO3) (Control of the control of the con	DTW (ft)	Ferrous iron (Fe II) malysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 20.1 20.2 20.2 20.2 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid	Cond. (uS/cm) 369.0 369.4 369.7 370.1 369.6 NALYSIS AI 0) (8020) (N I) (NWTPH- lectivity) (TD C) (Total PO-	D.O. (mg/L) 0.56 0.58 0.57 0.57 0.57 LLOWED PF WTPH-G) (D) (NWTPH-S) (E) (Total Kie (vanide) (Free (Total Kie (Total Kie (Vanide))))	6.23 6.23 6.23 6.23 6.23 6.23 CR BOTTLE NWTPH-GX I-Dx) (TPH-IOD) (Turbid dahl Nitroger Cyanide)	ORP (mV) -30.6 -30.8 -30.9 -30.9 -30.8 TYPE (Circle ap or (BTEX)) HCID) (8081) (dity) (Alkalinity) (Alkalinity) (Alkalinity) (NH3) (NO3/2)	#DIV/0! #DIV/0! pplicable or write in the interpretation of the	DTW (ft) non-standard at asse) Cl) (SO4) (NO	Ferrous iron (Fe II) malysis below) WA WA WA O WA O WA O WA WA WA WA WA WA WA WA WA	Observations OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 20.1 20.2 20.2 20.2 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 369.0 369.4 369.7 370.1 369.6 NALYSIS AI () (8020) (NI) (NWTPH-activity) (TD (C) (Total PO-le) (WAD Cy) (As) (Sb) (D.O. (mg/L) 0.56 0.58 0.57 0.57 0.57 LLOWED PF WTPH-G) (D) (NWTPH-S) (TSS) (ES) (TSS) (EV) (Total Kieles) (Free Ba) (Be) (Ca)	6.23 6.23 6.23 6.23 6.23 6.23 6.23 6.20 CR BOTTLE NWTPH-GX 1-Dx) (TPH-GOD) (Turbic dahl Nitroger Cyanide) 1) (Cd) (Co)	ORP (mV) -30.6 -30.8 -30.9 -30.8 TYPE (Circle aportion (BTEX) HCID) (8081) (dity) (Alkalinity) (Alkalinity) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write in the interpretation of the	DTW (ft) non-standard anase) Cl) (SO4) (NC	Ferrous iron (Fe II) malysis below) WA WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 20.1 20.2 20.2 20.2 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 369.0 369.4 369.7 370.1 369.6 NALYSIS AI () (8020) (N () (NWTPH- () (Total PO- () (Total PO- () (As) (Sb) (etals) (As) (Sl)	D.O. (mg/L) 0.56 0.58 0.57 0.57 0.57 LLOWED PF WTPH-G) (D) (NWTPH-S) (TSS) (ES) (TSS) (EV) (Total Kieles) (Free Ba) (Be) (Ca)	6.23 6.23 6.23 6.23 6.23 6.23 6.23 6.20 CR BOTTLE NWTPH-GX 1-Dx) (TPH-GOD) (Turbic dahl Nitroger Cyanide) 1) (Cd) (Co)	ORP (mV) -30.6 -30.8 -30.9 -30.8 TYPE (Circle aportion (BTEX) HCID) (8081) (dity) (Alkalinity) (Alkalinity) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write in the interpretation of the	DTW (ft) non-standard anase) Cl) (SO4) (NC	Ferrous iron (Fe II) malysis below) WA WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 20.1 20.2 20.2 20.2 20.2 TYPICAL A (8260) (8016 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 369.0 369.4 369.7 370.1 369.6 NALYSIS AI () (8020) (N () (NWTPH- () (Total PO- () (Total PO- () (As) (Sb) (etals) (As) (Sl)	D.O. (mg/L) 0.56 0.58 0.57 0.57 0.57 0.59 LLOWED PF WYTPH-G) (D) (NWTPH S) (TSS) (B 4) (Total Kie /anide) (Free Ba) (Be) (Ca b) (Ba) (Be) (Ca	6.23 6.23 6.23 6.23 6.23 6.23 6.23 6.20 CR BOTTLE NWTPH-GX 1-Dx) (TPH-GOD) (Turbic dahl Nitroger Cyanide) 1) (Cd) (Co)	ORP (mV) -30.6 -30.8 -30.9 -30.8 TYPE (Circle aportion (BTEX) HCID) (8081) (dity) (Alkalinity) (Alkalinity) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write in the interpretation of the	DTW (ft) non-standard anase) Cl) (SO4) (NC	Ferrous iron (Fe II) malysis below) WA WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 20.1 20.2 20.2 20.2 20.2 TYPICAL A (8260) (8016 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 369.0 369.4 369.7 370.1 369.6 NALYSIS AI () (8020) (N H) (NWTPH- inctivity) (TD C) (Total PO- ile) (WAD Cy () (As) (Sb) (incepts) (As) (Sb) (getals) (As) (Sl) (getals) (As) (Sl)	D.O. (mg/L) 0.56 0.58 0.57 0.57 0.57 0.59 LLOWED PF WYTPH-G) (D) (NWTPH S) (TSS) (B 4) (Total Kie /anide) (Free Ba) (Be) (Ca b) (Ba) (Be) (Ca	6.23 6.23 6.23 6.23 6.23 6.23 6.23 6.20 CR BOTTLE NWTPH-GX 1-Dx) (TPH-GOD) (Turbic dahl Nitroger Cyanide) 1) (Cd) (Co)	ORP (mV) -30.6 -30.8 -30.9 -30.8 TYPE (Circle aportion (BTEX) HCID) (8081) (dity) (Alkalinity) (Alkalinity) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write in the interpretation of the	DTW (ft) non-standard anase) Cl) (SO4) (NC	Ferrous iron (Fe II) malysis below) WA WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 20.1 20.2 20.2 20.2 20.2 TYPICAL A (8260) (8016 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 369.0 369.4 369.7 370.1 369.6 NALYSIS AI () (8020) (N H) (NWTPH- inctivity) (TD C) (Total PO- ile) (WAD Cy () (As) (Sb) (incepts) (As) (Sb) (getals) (As) (Sl) (getals) (As) (Sl)	D.O. (mg/L) 0.56 0.58 0.57 0.57 0.57 0.59 LLOWED PF WYTPH-G) (D) (NWTPH S) (TSS) (B 4) (Total Kie /anide) (Free Ba) (Be) (Ca b) (Ba) (Be) (Ca	6.23 6.23 6.23 6.23 6.23 6.23 6.23 6.20 CR BOTTLE NWTPH-GX 1-Dx) (TPH-GOD) (Turbic dahl Nitroger Cyanide) 1) (Cd) (Co)	ORP (mV) -30.6 -30.8 -30.9 -30.8 TYPE (Circle aportion (BTEX) HCID) (8081) (dity) (Alkalinity) (Alkalinity) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write in the interpretation of the	DTW (ft) non-standard anase) Cl) (SO4) (NC	Ferrous iron (Fe II) malysis below) WA WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 20.1 20.2 20.2 20.2 20.2 TYPICAL A (8260) (8016 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 369.0 369.4 369.7 370.1 369.6 NALYSIS AI () (8020) (N H) (NWTPH- inctivity) (TD C) (Total PO- ile) (WAD Cy () (As) (Sb) (incepts) (As) (Sb) (getals) (As) (Sl) (getals) (As) (Sl)	D.O. (mg/L) 0.56 0.58 0.57 0.57 0.57 0.59 LLOWED PF WYTPH-G) (D) (NWTPH S) (TSS) (B 4) (Total Kie /anide) (Free Ba) (Be) (Ca b) (Ba) (Be) (Ca	6.23 6.23 6.23 6.23 6.23 6.23 6.23 6.20 CR BOTTLE NWTPH-GX 1-Dx) (TPH-GOD) (Turbic dahl Nitroger Cyanide) 1) (Cd) (Co)	ORP (mV) -30.6 -30.8 -30.9 -30.8 TYPE (Circle aportion (BTEX) HCID) (8081) (dity) (Alkalinity) (Alkalinity) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write in the interpretation of the	DTW (ft) non-standard anase) Cl) (SO4) (NC	Ferrous iron (Fe II) malysis below) WA WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 20.1 20.2 20.2 20.2 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 369.0 369.4 369.7 370.1 369.6 NALYSIS AI () (8020) (N H) (NWTPH- inctivity) (TD C) (Total PO- ile) (WAD Cy () (As) (Sb) (incepts) (As) (Sb) (getals) (As) (Sl) (getals) (As) (Sl)	D.O. (mg/L) 0.56 0.58 0.57 0.57 0.57 0.59 LLOWED PF WYTPH-G) (D) (NWTPH S) (TSS) (B 4) (Total Kie /anide) (Free Ba) (Be) (Ca b) (Ba) (Be) (Ca	6.23 6.23 6.23 6.23 6.23 6.23 6.23 6.20 CR BOTTLE NWTPH-GX 1-Dx) (TPH-GOD) (Turbic dahl Nitroger Cyanide) 1) (Cd) (Co)	ORP (mV) -30.6 -30.8 -30.9 -30.8 TYPE (Circle aportion (BTEX) HCID) (8081) (dity) (Alkalinity) (Alkalinity) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write in the interpretation of the	DTW (ft) non-standard anase) Cl) (SO4) (NC	Ferrous iron (Fe II) malysis below) WA WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5 1 Duplicate Sam	Temp (°F/°C) 20.1 20.2 20.2 20.2 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 369.0 369.4 369.7 370.1 369.6 NALYSIS AI () (8020) (N H) (NWTPH- inctivity) (TD C) (Total PO- ile) (WAD Cy () (As) (Sb) (incepts) (As) (Sb) (getals) (As) (Sl) (getals) (As) (Sl)	D.O. (mg/L) 0.56 0.58 0.57 0.57 0.57 0.59 LLOWED PF WYTPH-G) (D) (NWTPH S) (TSS) (B 4) (Total Kie /anide) (Free Ba) (Be) (Ca b) (Ba) (Be) (Ca	6.23 6.23 6.23 6.23 6.23 6.23 6.23 6.20 CR BOTTLE NWTPH-GX 1-Dx) (TPH-GOD) (Turbic dahl Nitroger Cyanide) 1) (Cd) (Co)	ORP (mV) -30.6 -30.8 -30.9 -30.8 TYPE (Circle aportion (BTEX) HCID) (8081) (dity) (Alkalinity) (Alkalinity) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write in the interpretation of the	DTW (ft) non-standard anase) Cl) (SO4) (NC	Ferrous iron (Fe II) malysis below) WA WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 20.1 20.2 20.2 20.2 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 369.0 369.4 369.7 370.1 369.6 NALYSIS AI () (8020) (N H) (NWTPH- inctivity) (TD C) (Total PO- ile) (WAD Cy () (As) (Sb) (incepts) (As) (Sb) (getals) (As) (Sl) (getals) (As) (Sl)	D.O. (mg/L) 0.56 0.58 0.57 0.57 0.57 0.59 LLOWED PF WYTPH-G) (D) (NWTPH S) (TSS) (B 4) (Total Kie /anide) (Free Ba) (Be) (Ca b) (Ba) (Be) (Ca	6.23 6.23 6.23 6.23 6.23 6.23 6.23 6.20 CR BOTTLE NWTPH-GX 1-Dx) (TPH-GOD) (Turbic dahl Nitroger Cyanide) 1) (Cd) (Co)	ORP (mV) -30.6 -30.8 -30.9 -30.8 TYPE (Circle aportion (BTEX) HCID) (8081) (dity) (Alkalinity) (Alkalinity) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write in the image of the	DTW (ft) non-standard anase) Cl) (SO4) (NC	Ferrous iron (Fe II) malysis below) WA WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR



Project Nam	ie <u>:</u>	Boeing Ren	ton		Project Numbe	r:	0025217.099.0	99	
Event:		May-20			Date/Time:	05/12/2020@	1011		
Sample Nun	nber:	RGW034S-	200512		Weather:	CLOUDY			
Landau Rep	resentative:	JAN							
WATERIEV	/EL/WELL/PU	IRGE DATA							
Well Condition		Secure (YES))	Damaged (N	(O)	Describe:	Flush Mount		
		` '	Time:	•	Flow through ce		1 Iushi Woulit	GW Motor No. (c	. 1
DTW Before		4.32 05/12/2020 (a		End Purge:	_	05/12/2020 @	1006	GW Meter No.(s	
Begin Purge:							_	Gallons Purged:	0.25
Purge water d	isposed to:	Ш	55-gal Drum		Storage Tank	Ground	Other	SITE TREATM	ENI SYSIEM
Time	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity (NTU)	DTW (ft)	Internal Purge Volume (gal)	Comments/ Observations
	_					lings within the fo	~	>/= 1 flow	
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
948	16.1	305.4	0.14	6.34	51.8		4.32		
951	17.1	310.5	0.17	6.39	43.0		4.32		
954	17.7	315.6	0.19	6.44	32.0		4.32		
	· 				-				
957		316.6	0.21	6.46	29.0		-		
1000	17.9	318.0	0.23	6.47	23.7				
1003	18.1	318.4	0.30	6.47	17.2				-
1005	18.2	318.5	0.33	6.48	13.1				
SAMPLE CO	LLECTION D	DATA					-		
Sample Colle			Bailer		Pump/Pump Type	DED. BLADDER			
Made of:	П	Stainless Stee	_	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proced	lure:	Alconox Was		Tap Rinse	DI Water	Dedicated		_	
(By Numerica		Other	··· 🏻	Tap Killse	DI Water	Dedicated			
(Dy Ivanierica	u Oruci)								
Sample Decor	rintion (color t	turbidity odor	shaan ata):	NO COLOP	LOW TURE N	O/NS			
Sample Descr	ription (color,	turbidity, odor	, sheen, etc.):	NO COLOR	, LOW TURB, N	O/NS.			
Sample Descri Replicate	ription (color, t	turbidity, odor	, sheen, etc.):	NO COLOR	, LOW TURB, N	O/NS. Turbidity	DTW	Ferrous iron	Comments/
		-					DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
	Temp	Cond.	D.O.		ORP	Turbidity			
Replicate	Temp (°F/°C)	Cond. (uS/cm) 318.5	D.O. (mg/L)	рН 6.48	ORP (mV)	Turbidity			
Replicate 1 2	Temp (°F/°C) 18.2	Cond. (uS/cm) 318.5	D.O. (mg/L) 0.34	pH 6.48 6.48	ORP (mV) 12.7	Turbidity			
Replicate 1 2 3	Temp (°F/°C)	Cond. (uS/cm) 318.5	D.O. (mg/L)	рН 6.48	ORP (mV)	Turbidity			
Replicate 1 2	Temp (°F/°C) 18.2	Cond. (uS/cm) 318.5	D.O. (mg/L) 0.34	pH 6.48 6.48	ORP (mV) 12.7	Turbidity			
Replicate 1 2 3	Temp (°F/°C) 18.2 18.2	Cond. (uS/cm) 318.5 318.5 318.7	D.O. (mg/L) 0.34 0.34	pH 6.48 6.48 6.49	ORP (mV) 12.7 12.3 11.9	Turbidity			
Replicate 1 2 3 4 Average:	Temp (°F/°C) 18.2 18.2 18.2 18.2	Cond. (uS/cm) 318.5 318.5 318.7 318.5 318.6	D.O. (mg/L) 0.34 0.34 0.34 0.36 0.35	6.48 6.48 6.49 6.49	ORP (mV) 12.7 12.3 11.9 11.5	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 18.2 18.2 18.2 18.2 18.2 TYPICAL A	Cond. (uS/cm) 318.5 318.5 318.7 318.5 318.6	D.O. (mg/L) 0.34 0.34 0.34 0.36 0.35 LOWED PE	6.48 6.48 6.49 6.49 6.49	ORP (mV) 12.7 12.3 11.9 11.5 12.1 TYPE (Circle a)	Turbidity (NTU)	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 18.2 18.2 18.2 18.2 18.2 TYPICAL A (8260) (8010	Cond. (uS/cm) 318.5 318.5 318.7 318.5 318.6 NALYSIS AI	D.O. (mg/L) 0.34 0.34 0.34 0.36 0.35 LOWED PE	6.48 6.49 6.49 6.49 CR BOTTLE	ORP (mV) 12.7 12.3 11.9 11.5 12.1 TYPE (Circle aport) (BTEX)	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 18.2 18.2 18.2 18.2 18.2 18.2 (8260) (8010) (8270) (PAH	Cond. (uS/cm) 318.5 318.5 318.7 318.5 318.6 NALYSIS AL 0) (8020) (N	D.O. (mg/L) 0.34 0.34 0.36 0.35 LOWED PE WTPH-G) (D) (NWTPH	6.48 6.49 6.49 6.49 6.49 CR BOTTLE NWTPH-GX	ORP (mV) 12.7 12.3 11.9 11.5 12.1 TYPE (Circle a) (BTEX) HCID) (8081)	Turbidity (NTU) #DIV/0!	non-standard a	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 18.2 18.2 18.2 18.2 18.2 18.2 18.2 (8260) (8010 (8270) (PAH (pH) (Condu	Cond. (uS/cm) 318.5 318.5 318.7 318.5 318.6 NALYSIS AI () (8020) (N I) (NWTPH-I	D.O. (mg/L) 0.34 0.34 0.36 0.35 LOWED PERMITTED (NWTPH-G) (NWTPH-G) (TSS) (TSS) (B	6.48 6.49 6.49 6.49 CR BOTTLE NWTPH-Gx 1-Dx) (TPH- OD) (Turbic	ORP (mV) 12.7 12.3 11.9 11.5 12.1 TYPE (Circle a) (BTEX) HCID) (8081)	#DIV/0! #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: QUANTITY 5	Temp (°F/°C) 18.2 18.2 18.2 18.2 18.2 18.2 18.2 (8260) (8010 (8270) (PAH- (pH) (Condu- (COD) (TOO	Cond. (uS/cm) 318.5 318.5 318.7 318.5 318.6 NALYSIS AI () (8020) (N I) (NWTPH-I	D.O. (mg/L) 0.34 0.34 0.36 0.35 LOWED PERMITPH-G) (D) (NWTPH-G) (D) (NWTPH-G) (D) (Total Kie	6.48 6.49 6.49 6.49 CR BOTTLE NWTPH-Gx, DD) (TPH-DO) (Turbic dahl Nitroger	ORP (mV) 12.7 12.3 11.9 11.5 12.1 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity	#DIV/0! #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: QUANTITY 5	Temp (°F/°C) 18.2 18.2 18.2 18.2 18.2 18.2 TYPICAL A (8260) (8010) (8270) (PAH) (pH) (Conduction (COD) (Too) (Total Cyanide)	Cond. (uS/cm) 318.5 318.5 318.7 318.5 318.6 NALYSIS AL (D) (8020) (N (I) (NWTPH-lectivity) (TDS (C) (Total PO4 (le) (WAD Cy	D.O. (mg/L) 0.34 0.34 0.36 0.35 LOWED PF WTPH-G) (D) (NWTPH 6) (TSS) (B 4) (Total Kie anide) (Free	6.48 6.49 6.49 6.49 CR BOTTLE NWTPH-GX L-DX) (TPH-GOD) (Turbic dahl Nitroger Cyanide)	ORP (mV) 12.7 12.3 11.9 11.5 12.1 TYPE (Circle ap (BTEX)) HCID) (8081) dity) (Alkalinity (MH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (0	non-standard a ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA ON WA ON WA ON WA ON WA ON WA ON WA WA WA WA WA WA WA WA WA W	Observations OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 18.2 18.2 18.2 18.2 18.2 18.2 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Tood (Total Cyanid (Total Metals)	Cond. (uS/cm) 318.5 318.5 318.7 318.5 318.6 NALYSIS AL (D) (8020) (N (I) (NWTPH-lectivity) (TDS (C) (Total PO4) (e) (WAD Cy (f) (As) (Sb) (f)	D.O. (mg/L) 0.34 0.34 0.36 0.35 LOWED PE WTPH-G) (D) (NWTPH S) (TSS) (B H) (Total Kie anide) (Free Ba) (Be) (Ca	6.48 6.49 6.49 6.49 CR BOTTLE NWTPH-GX (I-DX) (TPH-GD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 12.7 12.3 11.9 11.5 12.1 TYPE (Circle ap (BTEX)) HCID) (8081) dity) (Alkalinity (Alkalinity (NH3) (NO3)) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Green (HCO3/CO3) (MNO2)	non-standard a ase) Cl) (SO4) (NO	(Fe II) malysis below) WA WA OB ON (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 18.2 18.2 18.2 18.2 18.2 18.2 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Tood (Total Cyanid (Total Metals)	Cond. (uS/cm) 318.5 318.5 318.7 318.5 318.6 NALYSIS AL () (8020) (N () (NWTPH-lectivity) (TDS (C) (Total PO4 (e) (WAD Cy () (As) (Sb) (detals) (As) (Sb) (Sb)	D.O. (mg/L) 0.34 0.34 0.36 0.35 LOWED PE WTPH-G) (D) (NWTPH S) (TSS) (B H) (Total Kie anide) (Free Ba) (Be) (Ca	6.48 6.49 6.49 6.49 CR BOTTLE NWTPH-GX (I-DX) (TPH-GD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 12.7 12.3 11.9 11.5 12.1 TYPE (Circle ap (BTEX)) HCID) (8081) dity) (Alkalinity (Alkalinity (NH3) (NO3)) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Green (HCO3/CO3) (MNO2)	non-standard a ase) Cl) (SO4) (NO	(Fe II) malysis below) WA WA OB ON (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 18.2 18.2 18.2 18.2 18.2 18.2 18.2 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 318.5 318.5 318.7 318.5 318.6 NALYSIS AL () (8020) (N () (NWTPH-lectivity) (TDS (C) (Total PO4 (e) (WAD Cy () (As) (Sb) (detals) (As) (Sb) (Sb)	D.O. (mg/L) 0.34 0.34 0.36 0.35 LOWED PERMITTENSION (B) (TSS) (B) (Total Kie anide) (Free Ba) (Be) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca	6.48 6.49 6.49 6.49 CR BOTTLE NWTPH-GX (I-DX) (TPH-GD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 12.7 12.3 11.9 11.5 12.1 TYPE (Circle ap (BTEX)) HCID) (8081) dity) (Alkalinity (Alkalinity (NH3) (NO3)) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Green (HCO3/CO3) (MNO2)	non-standard a ase) Cl) (SO4) (NO	(Fe II) malysis below) WA WA OB ON (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 18.2 18.2 18.2 18.2 18.2 18.2 18.2 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 318.5 318.5 318.7 318.5 318.6 NALYSIS AI (D) (8020) (N (I) (NWTPH-Interivity) (TDS) (C) (Total PO4 (le) (WAD Cy) (As) (Sb) (Interior (Sb) (Sb) (Sb) (Sb) (Sb) (Sb) (Sb) (Sb)	D.O. (mg/L) 0.34 0.34 0.36 0.35 LOWED PERMITTENSION (B) (TSS) (B) (Total Kie anide) (Free Ba) (Be) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca	6.48 6.49 6.49 6.49 CR BOTTLE NWTPH-GX (I-DX) (TPH-GD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 12.7 12.3 11.9 11.5 12.1 TYPE (Circle ap (BTEX)) HCID) (8081) dity) (Alkalinity (Alkalinity (NH3) (NO3)) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Green (HCO3/CO3) (MNO2)	non-standard a ase) Cl) (SO4) (NO	(Fe II) malysis below) WA WA OB ON (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 18.2 18.2 18.2 18.2 18.2 18.2 18.2 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 318.5 318.5 318.7 318.5 318.6 NALYSIS AI (D) (8020) (N (I) (NWTPH-Interivity) (TDS) (C) (Total PO4 (le) (WAD Cy) (As) (Sb) (Interior (Sb) (Sb) (Sb) (Sb) (Sb) (Sb) (Sb) (Sb)	D.O. (mg/L) 0.34 0.34 0.36 0.35 LOWED PERMITTENSION (B) (TSS) (B) (Total Kie anide) (Free Ba) (Be) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca	6.48 6.49 6.49 6.49 CR BOTTLE NWTPH-GX (I-DX) (TPH-GD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 12.7 12.3 11.9 11.5 12.1 TYPE (Circle ap (BTEX)) HCID) (8081) dity) (Alkalinity (Alkalinity (NH3) (NO3)) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Green (HCO3/CO3) (MNO2)	non-standard a ase) Cl) (SO4) (NO	(Fe II) malysis below) WA WA OB ON (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 18.2 18.2 18.2 18.2 18.2 18.2 18.2 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 318.5 318.5 318.7 318.5 318.6 NALYSIS AI (D) (8020) (N (I) (NWTPH-Interivity) (TDS) (C) (Total PO4 (le) (WAD Cy) (As) (Sb) (Interior (Sb) (Sb) (Sb) (Sb) (Sb) (Sb) (Sb) (Sb)	D.O. (mg/L) 0.34 0.34 0.36 0.35 LOWED PERMITTENSION (B) (TSS) (B) (Total Kie anide) (Free Ba) (Be) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca	6.48 6.49 6.49 6.49 CR BOTTLE NWTPH-GX (I-DX) (TPH-GD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 12.7 12.3 11.9 11.5 12.1 TYPE (Circle ap (BTEX)) HCID) (8081) dity) (Alkalinity (Alkalinity (NH3) (NO3)) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Green (HCO3/CO3) (MNO2)	non-standard a ase) Cl) (SO4) (NO	(Fe II) malysis below) WA WA OB ON (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 18.2 18.2 18.2 18.2 18.2 18.2 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 318.5 318.5 318.7 318.5 318.6 NALYSIS AI (D) (8020) (N (I) (NWTPH-Interivity) (TDS) (C) (Total PO4 (le) (WAD Cy) (As) (Sb) (Interior (Sb) (Sb) (Sb) (Sb) (Sb) (Sb) (Sb) (Sb)	D.O. (mg/L) 0.34 0.34 0.36 0.35 LOWED PERMITTENSION (B) (TSS) (B) (Total Kie anide) (Free Ba) (Be) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca	6.48 6.49 6.49 6.49 CR BOTTLE NWTPH-GX (I-DX) (TPH-GD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 12.7 12.3 11.9 11.5 12.1 TYPE (Circle ap (BTEX)) HCID) (8081) dity) (Alkalinity (Alkalinity (NH3) (NO3)) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Green (HCO3/CO3) (MNO2)	non-standard a ase) Cl) (SO4) (NO	(Fe II) malysis below) WA WA OB ON (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 18.2 18.2 18.2 18.2 18.2 18.2 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 318.5 318.5 318.7 318.5 318.6 NALYSIS AI (D) (8020) (N (I) (NWTPH-Interivity) (TDS) (C) (Total PO4 (le) (WAD Cy) (As) (Sb) (Interior (Sb) (Sb) (Sb) (Sb) (Sb) (Sb) (Sb) (Sb)	D.O. (mg/L) 0.34 0.34 0.36 0.35 LOWED PERMITTENSION (B) (TSS) (B) (Total Kie anide) (Free Ba) (Be) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca	6.48 6.49 6.49 6.49 CR BOTTLE NWTPH-GX (I-DX) (TPH-GD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 12.7 12.3 11.9 11.5 12.1 TYPE (Circle ap (BTEX)) HCID) (8081) dity) (Alkalinity (Alkalinity (NH3) (NO3)) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Green (HCO3/CO3) (MNO2)	non-standard a ase) Cl) (SO4) (NO	(Fe II) malysis below) WA WA OB ON (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 18.2 18.2 18.2 18.2 18.2 18.2 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 318.5 318.5 318.7 318.5 318.6 NALYSIS AI (D) (8020) (N (I) (NWTPH-Interivity) (TDS) (C) (Total PO4 (le) (WAD Cy) (As) (Sb) (Interior (Sb) (Sb) (Sb) (Sb) (Sb) (Sb) (Sb) (Sb)	D.O. (mg/L) 0.34 0.34 0.36 0.35 LOWED PERMITTENSION (B) (TSS) (B) (Total Kie anide) (Free Ba) (Be) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca	6.48 6.49 6.49 6.49 CR BOTTLE NWTPH-GX (I-DX) (TPH-GD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 12.7 12.3 11.9 11.5 12.1 TYPE (Circle ap (BTEX)) HCID) (8081) dity) (Alkalinity (Alkalinity (NH3) (NO3)) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Green (HCO3/CO3) (MNO2)	non-standard a ase) Cl) (SO4) (NO	(Fe II) malysis below) WA WA OB ON (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR



Project Nam	ie <u>:</u>	Boeing Ren	ton		Project Number	r <u>:</u>	0025217.099.0	99	
Event:		May-20			Date/Time:	05/12/2020@	936		
Sample Nun	nber:	RGW039S-	200512		Weather:	RAIN			
Landau Rep	resentative:	JAN							
WATERIEV	VEL/WELL/PU	IRGE DATA							
Well Condition		Secure (YES))	Damaged (N	(O)	Describe:	Flush Mount		
		,	,	•			Tush Mount	CWAL N. (
DTW Before		3.97	Time:		Flow through cel	-		GW Meter No.(s	
	Date/Time:			End Purge:		05/12/2020 @		Gallons Purged:	0.2
Purge water d	lisposed to:	Ш	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
	U					lings within the fo	Ü	>/= 1 flow	
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
914	16.9	206.9	1.22	6.20	73.6		3.97		
917	17.2	208.1	0.98	6.20	74.8		3.97		
920	17.5	209.0	0.96	6.21	74.5		3.97		
		-				-	3.71	· ———	
923	17.9	210.0	0.94	6.21	73.8				
926									
929									
931									
731								· 	
* · · · · · · · · · · · · · · · · · · ·									
	LLECTION E		D 11						
Sample Colle	cted With:		Bailer	_		DED. BLADDER		_	
Made of:	Ш	Stainless Stee	el 📙	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proced	dure:	Alconox Was	sh 🔲	Tap Rinse	DI Water	Dedicated			
(By Numerica	al Ordon)	Other			_				
	u Oruer)								
			, sheen, etc.):	NO COLOR	, LOW TURB, NO	O/NS.			
			, sheen, etc.):	NO COLOR	, LOW TURB, NO	O/NS.			
	ription (color, t	turbidity, odor	D.O.	NO COLOR	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)	рН 6.21	ORP (mV)	Turbidity			
Replicate 1 2	Temp (°F/°C) 17.9	Cond. (uS/cm) 210.3	D.O. (mg/L) 0.98	рН 6.21	ORP (mV) 73.7 73.6	Turbidity			
Replicate 1 2 3	Temp (°F/°C)	Cond. (uS/cm) 210.3	D.O. (mg/L) 0.98 1.02	рН 6.21	ORP (mV)	Turbidity			
Replicate 1 2	Temp (°F/°C) 17.9	Cond. (uS/cm) 210.3	D.O. (mg/L) 0.98	рН 6.21	ORP (mV) 73.7 73.6	Turbidity			
Replicate 1 2 3	Temp (°F/°C) 17.9 18.0	Cond. (uS/cm) 210.3 210.4	D.O. (mg/L) 0.98 1.02	6.21 6.21 6.21	ORP (mV) 73.7 73.6 73.6	Turbidity			
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.9 18.0 18.0 18.0 18.0	Cond. (uS/cm) 210.3 210.4 210.5 210.4	D.O. (mg/L) 0.98 1.02 1.01 0.99	6.21 6.21 6.21 6.21 6.21	ORP (mV) 73.7 73.6 73.6 73.5 73.6	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.9 18.0 18.0 18.0 TYPICAL A	Cond. (uS/cm) 210.3 210.4 210.4 210.5 210.4	D.O. (mg/L) 0.98 1.02 1.01 0.99 1.00	6.21 6.21 6.21 6.21 6.21 6.21 6.21	ORP (mV) 73.7 73.6 73.6 73.5 73.6 73.6 73.7	Turbidity (NTU)	(ft)	nalysis below)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.9 18.0 18.0 18.0 18.0 (8260) (8010	Cond. (uS/cm) 210.3 210.4 210.5 210.4 NALYSIS AI () (8020) (N	D.O. (mg/L) 0.98 1.02 1.01 0.99 1.00 LOWED PERWYPH-G) (6.21 6.21 6.21 6.21 6.21 6.21 CER BOTTLE	73.7 73.6 73.6 73.5 73.6 TYPE (Circle apple) (BTEX)	Turbidity (NTU) #DIV/0!	(ft)	nalysis below)	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.9 18.0 18.0 18.0 18.0 (8260) (8010 (8270) (PAH	Cond. (uS/cm) 210.3 210.4 210.5 210.4 NALYSIS AI (NWTPH-I	D.O. (mg/L) 0.98 1.02 1.01 0.99 1.00 LOWED PF	6.21 6.21 6.21 6.21 6.21 6.21 6.21 ER BOTTLE (NWTPH-GX) I-DX) (TPH-	ORP (mV) 73.7 73.6 73.6 73.6 73.6 73.6 TYPE (Circle application (BTEX)) HCID) (8081) (#DIV/0!	(ft)	nalysis below) WA WA WA	Observations
Replicate Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 17.9 18.0 18.0 18.0 18.0 (8260) (8010) (8270) (PAH) (pH) (Conductive)	Cond. (uS/cm) 210.3 210.4 210.4 210.5 210.4 NALYSIS AI 0) (8020) (N	D.O. (mg/L) 0.98 1.02 1.01 0.99 1.00 LOWED PERMITH-G) (NWTPH-G) (NWTPH-G) (TSS) (ESS) (ESS)	6.21 6.21 6.21 6.21 6.21 6.21 6.21 6.21	ORP (mV) 73.7 73.6 73.6 73.5 73.6 TYPE (Circle ap (BTEX) HCID) (8081) (dity) (Alkalinity)	#DIV/0! pplicable or write to (8141) (Oil & Gree) (HCO3/CO3) (Green and the control of the contr	(ft)	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.9 18.0 18.0 18.0 18.0 (8260) (8010) (8270) (PAE) (PH) (Conduction) (COD) (TOO)	Cond. (uS/cm) 210.3 210.4 210.5 210.4 210.5 (uS/cm) 210.4 210.5 210.4 (uS/cm) 210.4 210.5 210.4 (uS/cm) 210.4 210.5 (uS/cm) 210.4 210.5 (uS/cm) (uS/cm)	D.O. (mg/L) 0.98 1.02 1.01 0.99 1.00 LOWED PERMITPH-G) (D) (NWTPH-S) (TSS) (ES) (TSS) (ES) (TSS) (ES)	6.21 6.21 6.21 6.21 6.21 6.21 6.21 6.21	ORP (mV) 73.7 73.6 73.6 73.6 73.6 73.6 TYPE (Circle application (BTEX)) HCID) (8081) (#DIV/0! pplicable or write to (8141) (Oil & Gree) (HCO3/CO3) (Green and the control of the contr	(ft)	nalysis below) WA WA WA	Observations OR
Replicate Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 17.9 18.0 18.0 18.0 18.0 (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Too	Cond. (uS/cm) 210.3 210.4 210.4 210.5 210.4 NALYSIS AI O) (8020) (NI I) (NWTPH-lectivity) (TDS	D.O. (mg/L) 0.98 1.02 1.01 0.99 1.00 LOWED PF WTPH-G) (D) (NWTPH-S) (TSS) (E-4) (Total Kie- ranide) (Free	6.21 6.21 6.21 6.21 6.21 6.21 6.21 ER BOTTLE (NWTPH-Gx, I-Dx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (Turbic dahl Nitroger Cyanide)	ORP (mV) 73.7 73.6 73.6 73.6 73.6 TYPE (Circle aportion (BTEX)) HCID) (8081) (dity) (Alkalinity) (i) (NH3) (NO3/	#DIV/0! #DIV/0! pplicable or write in the second	non-standard a ase) 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 OR
Replicate Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 17.9 18.0 18.0 18.0 18.0 (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 210.3 210.4 210.4 210.5 210.4 NALYSIS AI () (8020) (NI) (NWTPH-lectivity) (TDS (C) (Total PO4) (e) (WAD Cy (das) (Sb) (C)	D.O. (mg/L) 0.98 1.02 1.01 0.99 1.00 LOWED PF [WTPH-G] (D) (NWTPH-G) (S) (TSS) (E 4) (Total Kieranide) (Free Ba) (Be) (Ca	6.21 6.21 6.21 6.21 6.21 6.21 6.21 ER BOTTLE (NWTPH-Gx, I-Dx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 73.7 73.6 73.6 73.6 73.6 TYPE (Circle applement) (BTEX) HCID) (8081) (dity) (Alkalinity) (dity) (Alkalinity) (ii) (NH3) (NO3/	#DIV/0! #DIV/0! pplicable or write in the interpolation of the interpo	non-standard a ase) 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 OR Graph OR
Replicate Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 17.9 18.0 18.0 18.0 18.0 (8260) (8010) (8270) (PAH (pH) (Condu) (COD) (Total Cyanid) (Total Metals) (Dissolved M.	Cond. (uS/cm) 210.3 210.4 210.4 210.5 210.4 NALYSIS AI () (8020) (NI) (NWTPH-lectivity) (TDS () (Total PO4-lectivity) (As) (Sb) (Setals) (As) (Sb) (Setals) (As) (Sb) (Setals) (As) (Sb) (Setals) (As) (Sb)	D.O. (mg/L) 0.98 1.02 1.01 0.99 1.00 LOWED PF [WTPH-G] (D) (NWTPH-G) (S) (TSS) (E 4) (Total Kieranide) (Free Ba) (Be) (Ca	6.21 6.21 6.21 6.21 6.21 6.21 6.21 ER BOTTLE (NWTPH-Gx, I-Dx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 73.7 73.6 73.6 73.6 73.6 TYPE (Circle applement) (BTEX) HCID) (8081) (dity) (Alkalinity) (dity) (Alkalinity) (ii) (NH3) (NO3/	#DIV/0! #DIV/0! pplicable or write in the interpolation of the interpo	non-standard a ase) 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 OR Graph OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 17.9 18.0 18.0 18.0 18.0 (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M-VOC (Boein	Cond. (uS/cm) 210.3 210.4 210.5 210.4 210.5 210.4 NALYSIS AI () (8020) (N I) (NWTPH-I () (Total PO4 (e) (WAD Cy () (As) (Sb) (Se) (g short list)	D.O. (mg/L) 0.98 1.02 1.01 0.99 1.00 LOWED PERMYPH-G) (Composite of the composite of	6.21 6.21 6.21 6.21 6.21 6.21 6.21 ER BOTTLE (NWTPH-Gx, I-Dx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 73.7 73.6 73.6 73.6 73.6 TYPE (Circle applement) (BTEX) HCID) (8081) (dity) (Alkalinity) (dity) (Alkalinity) (ii) (NH3) (NO3/	#DIV/0! #DIV/0! pplicable or write in the interpretation of the	non-standard a ase) Cl) (SO4) (NO	malysis below) WA WA O WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR Graph OR
Replicate Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 17.9 18.0 18.0 18.0 18.0 (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M-VOC (Boein	Cond. (uS/cm) 210.3 210.4 210.4 210.5 210.4 NALYSIS AI () (8020) (NI) (NWTPH-lectivity) (TDS () (Total PO4-lectivity) (As) (Sb) (Setals) (As) (Sb) (Setals) (As) (Sb) (Setals) (As) (Sb) (Setals) (As) (Sb)	D.O. (mg/L) 0.98 1.02 1.01 0.99 1.00 LOWED PERMYPH-G) (Composite of the composite of	6.21 6.21 6.21 6.21 6.21 6.21 6.21 ER BOTTLE (NWTPH-Gx, I-Dx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 73.7 73.6 73.6 73.6 73.6 TYPE (Circle applement) (BTEX) HCID) (8081) (dity) (Alkalinity) (dity) (Alkalinity) (ii) (NH3) (NO3/	#DIV/0! #DIV/0! pplicable or write in the interpretation of the	non-standard a ase) Cl) (SO4) (NO	malysis below) WA WA O WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR Graph OR
Replicate Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 17.9 18.0 18.0 18.0 18.0 (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M-VOC (Boein	Cond. (uS/cm) 210.3 210.4 210.5 210.4 210.5 210.4 NALYSIS AI () (8020) (N I) (NWTPH-I () (Total PO4 (e) (WAD Cy () (As) (Sb) (Se) (g short list)	D.O. (mg/L) 0.98 1.02 1.01 0.99 1.00 LOWED PERMYPH-G) (Composite of the composite of	6.21 6.21 6.21 6.21 6.21 6.21 6.21 ER BOTTLE (NWTPH-Gx, I-Dx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 73.7 73.6 73.6 73.6 73.6 TYPE (Circle applement) (BTEX) HCID) (8081) (dity) (Alkalinity) (dity) (Alkalinity) (ii) (NH3) (NO3/	#DIV/0! #DIV/0! pplicable or write in the interpretation of the	non-standard a ase) Cl) (SO4) (NO	malysis below) WA WA O WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR g) (K) (Na)
Replicate Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 17.9 18.0 18.0 18.0 18.0 (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M-VOC (Boein	Cond. (uS/cm) 210.3 210.4 210.5 210.4 210.5 210.4 NALYSIS AI () (8020) (N I) (NWTPH-I () (Total PO4 (e) (WAD Cy () (As) (Sb) (Se) (g short list)	D.O. (mg/L) 0.98 1.02 1.01 0.99 1.00 LOWED PERMYPH-G) (Composite of the composite of	6.21 6.21 6.21 6.21 6.21 6.21 6.21 ER BOTTLE (NWTPH-Gx, I-Dx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 73.7 73.6 73.6 73.6 73.6 TYPE (Circle applement) (BTEX) HCID) (8081) (dity) (Alkalinity) (dity) (Alkalinity) (ii) (NH3) (NO3/	#DIV/0! #DIV/0! pplicable or write in the interpretation of the	non-standard a ase) Cl) (SO4) (NO	malysis below) WA WA O WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR g) (K) (Na)
Replicate Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 17.9 18.0 18.0 18.0 18.0 (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M-VOC (Boein	Cond. (uS/cm) 210.3 210.4 210.5 210.4 210.5 210.4 NALYSIS AI () (8020) (N I) (NWTPH-I () (Total PO4 (e) (WAD Cy () (As) (Sb) (Se) (g short list)	D.O. (mg/L) 0.98 1.02 1.01 0.99 1.00 LOWED PERMYPH-G) (Composite of the composite of	6.21 6.21 6.21 6.21 6.21 6.21 6.21 ER BOTTLE (NWTPH-Gx, I-Dx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 73.7 73.6 73.6 73.6 73.6 TYPE (Circle applement) (BTEX) HCID) (8081) (dity) (Alkalinity) (dity) (Alkalinity) (ii) (NH3) (NO3/	#DIV/0! #DIV/0! pplicable or write in the interpretation of the	non-standard a ase) Cl) (SO4) (NO	malysis below) WA WA O WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR g) (K) (Na)
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 17.9 18.0 18.0 18.0 18.0 (8260) (8010) (8270) (PAH (pH) (Condu) (COD) (Total Cyanid (Total Metals) (Dissolved M. VOC (Boein Methane Eth	Cond. (uS/cm) 210.3 210.4 210.5 210.4 210.5 210.4 NALYSIS AI () (8020) (N I) (NWTPH-I () (Total PO4 (e) (WAD Cy () (As) (Sb) (Se) (g short list)	D.O. (mg/L) 0.98 1.02 1.01 0.99 1.00 LOWED PERMYPH-G) (Composite of the composite of	6.21 6.21 6.21 6.21 6.21 6.21 6.21 ER BOTTLE (NWTPH-Gx, I-Dx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 73.7 73.6 73.6 73.6 73.6 TYPE (Circle applement) (BTEX) HCID) (8081) (dity) (Alkalinity) (dity) (Alkalinity) (ii) (NH3) (NO3/	#DIV/0! #DIV/0! pplicable or write in the interpretation of the	non-standard a ase) Cl) (SO4) (NO	malysis below) WA WA O WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR Graph OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 17.9 18.0 18.0 18.0 18.0 (8260) (8010) (8270) (PAH (pH) (Condu) (COD) (Total Cyanid (Total Metals) (Dissolved M. VOC (Boein Methane Eth	Cond. (uS/cm) 210.3 210.4 210.5 210.4 210.5 210.4 NALYSIS AI () (8020) (N I) (NWTPH-I () (Total PO4 (e) (WAD Cy () (As) (Sb) (Se) (g short list)	D.O. (mg/L) 0.98 1.02 1.01 0.99 1.00 LOWED PERMYPH-G) (Composite of the composite of	6.21 6.21 6.21 6.21 6.21 6.21 6.21 ER BOTTLE (NWTPH-Gx, I-Dx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 73.7 73.6 73.6 73.6 73.6 TYPE (Circle applement) (BTEX) HCID) (8081) (dity) (Alkalinity) (dity) (Alkalinity) (ii) (NH3) (NO3/	#DIV/0! #DIV/0! pplicable or write in the interpretation of the	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
Replicate Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 17.9 18.0 18.0 18.0 18.0 (8260) (8010) (8270) (PAH (pH) (Condu) (COD) (Total Cyanid (Total Metals) (Dissolved M. VOC (Boein Methane Eth	Cond. (uS/cm) 210.3 210.4 210.5 210.4 210.5 210.4 NALYSIS AI () (8020) (N I) (NWTPH-I () (Total PO4 (e) (WAD Cy () (As) (Sb) (Se) (g short list)	D.O. (mg/L) 0.98 1.02 1.01 0.99 1.00 LOWED PERMYPH-G) (Composite of the composite of	6.21 6.21 6.21 6.21 6.21 6.21 6.21 ER BOTTLE (NWTPH-Gx, I-Dx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 73.7 73.6 73.6 73.6 73.6 TYPE (Circle applement) (BTEX) HCID) (8081) (dity) (Alkalinity) (dity) (Alkalinity) (ii) (NH3) (NO3/	#DIV/0! #DIV/0! pplicable or write in the interpretation of the	non-standard a ase) Cl) (SO4) (NO	malysis below) WA WA O WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR



Project Nam	e:	Boeing Ren	ton		Project Number	r:	0025217.099.0	99	
Event:		May-20		_	Date/Time:	05/12/2020@	906		
Sample Num	nber:	RGW-243I-	-200512		Weather:	RAIN			
Landau Repr	resentative:	JAN			•				
WATER LEV	/FI/W/FII/PI	IRGE DATA							
Well Condition		Secure (YES)	Damaged (N	(0)	Describe:	Flush Mount		
DTW Before		4.17	Time:		Flow through cel			GW Meter No.(s	: 1
Begin Purge:	0 0 0			End Purge:	_	05/12/2020 @	857	Gallons Purged:	0.25
Purge water d		03/12/2020 (55-gal Drum	Ĕ	Storage Tank	Ground	_	SITE TREATM	
i uige water u	isposed to.			-	Storage Talik	Ш Ground	Other	SITE TREATME	ENT STSTEM
Time	Temp (°F/°C)	Cond.	D.O.	pН	ORP (mV)	Turbidity	DTW	Internal Purge	Comments/
Time	, ,	(uS/cm) ls: Stablizatio	(mg/L) n of Paramet	ters for three	. ,	(NTU) lings within the fo	(ft) llowing limits	Volume (gal) >/= 1 flow	Observations
	+/- 3%	+/- 3%		+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
840	15.8	303.5	1.01	6.35	97.8		4.17		
843	15.9	304.3	1.45	6.06	90.5		4.17		
	16.3	308.2	1.64	6.04	83.9		4.17		
846							4.17		
849	16.5	309.1	1.56	6.15	76.5				
852	16.8	318.9	1.40	6.20	71.2				
855	16.9	325.4	1.34	6.23	68.4				
857	17.2	332.2	1.31	6.25	65.3				
SAMPLE CO	LLECTION D	DATA						<u> </u>	
Sample Collec	cted With:		Bailer		Pump/Pump Type	DED. BLADDER			
Made of:		Stainless Ste	el 🔲	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proced	lure:	Alconox Wa	sh 🗍	Tap Rinse	DI Water	Dedicated	_	_	
(By Numerica			-	1	Ш	_			
(Dy Ivamerica	ıl Order)	Other							
		Other turbidity, odor	, sheen, etc.):	NO COLOR	, LOW TURB, N	O/NS.			
. •		—	, sheen, etc.):	NO COLOR	, LOW TURB, N	O/NS.			
		—	D.O. (mg/L)	NO COLOR	, LOW TURB, No	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 1 2	Temp (°F/°C) 17.2	Cond. (uS/cm) 333.2	D.O. (mg/L) 1.31	pH 6.25 6.26	ORP (mV) 64.8	Turbidity			
Replicate 1 2 3	Temp (°F/°C) 17.2 17.2	Cond. (uS/cm) 333.2 334.1	D.O. (mg/L) 1.31 1.32	pH 6.25 6.26 6.26	ORP (mV) 64.8 64.4 64.0	Turbidity			
Replicate 1 2 3 4	Temp (°F/°C) 17.2 17.2 17.2	Cond. (uS/cm) 333.2 334.1 334.8	D.O. (mg/L) 1.31 1.31 1.32	pH 6.25 6.26 6.26 6.26	ORP (mV) 64.8 64.4 64.0 63.6	Turbidity (NTU)			
Replicate 1 2 3	Temp (°F/°C) 17.2 17.2	Cond. (uS/cm) 333.2 334.1	D.O. (mg/L) 1.31 1.32	pH 6.25 6.26 6.26	ORP (mV) 64.8 64.4 64.0	Turbidity			
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.2 17.2 17.2 17.2 17.2 17.2	Cond. (uS/cm) 333.2 334.1 334.8 333.8 NALYSIS AI	D.O. (mg/L) 1.31 1.31 1.32 1.31 1.31 LLOWED PE	6.25 6.26 6.26 6.26 6.26	ORP (mV) 64.8 64.4 64.0 63.6 64.2 TYPE (Circle a)	Turbidity (NTU)	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.2 17.2 17.2 17.2 17.2 17.2 17.2 17.2	Cond. (uS/cm) 333.2 334.1 334.8 333.8 NALYSIS AI (0) (8020) (N	D.O. (mg/L) 1.31 1.32 1.31 1.31 LOWED PERMYTPH-G) (6.25 6.26 6.26 6.26 6.26 CR BOTTLE	ORP (mV) 64.8 64.4 64.0 63.6 64.2 TYPE (Circle aport) (BTEX)	Turbidity (NTU) #DIV/0! pplicable or write	(ft)	nalysis below)	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.2 17.2 17.2 17.2 17.2 17.2 17.2 (8260) (8010 (8270) (PAF	Cond. (uS/cm) 333.2 334.1 334.8 333.8 NALYSIS AI 0) (8020) (N	D.O. (mg/L) 1.31 1.31 1.32 1.31 1.31 LLOWED PF	6.25 6.26 6.26 6.26 6.26 CR BOTTLE NWTPH-GX	ORP (mV) 64.8 64.4 64.0 63.6 64.2 TYPE (Circle ap) (BTEX) HCID) (8081)	#DIV/0!	non-standard a	nalysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 17.2 17.2 17.2 17.2 17.2 17.2 17.2 (8260) (8010 (8270) (PAH (pH) (Condu	Cond. (uS/cm) 333.2 334.1 334.8 333.8 NALYSIS AI 0) (8020) (NI) (NWTPH- lectivity) (TD:	D.O. (mg/L) 1.31 1.31 1.32 1.31 1.31 LLOWED PERMYPH-G) (D) (NWTPH-S) (TSS) (B	6.25 6.26 6.26 6.26 6.26 6.26 ER BOTTLE NWTPH-GX I-Dx) (TPH-GOD) (Turbic	ORP (mV) 64.8 64.4 64.0 63.6 64.2 TYPE (Circle applement) HCID) (8081) (dity) (Alkalinity)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Green (HCO3/CO3) (6	non-standard a	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.2 17.2 17.2 17.2 17.2 17.2 17.2 (8260) (8010 (8270) (PAH (pH) (Conduction) (Too	Cond. (uS/cm) 333.2 334.1 334.8 333.8 NALYSIS AI (D) (8020) (NI) (NWTPH- dictivity) (TD: (C) (Total PO-	D.O. (mg/L) 1.31 1.32 1.31 1.31 1.31 LLOWED PERMYPH-G) (D) (NWTPH S) (TSS) (B 4) (Total Kie	6.25 6.26 6.26 6.26 6.26 CR BOTTLE NWTPH-Gx 1-Dx) (TPH- BOD) (Turbidahl Nitroger	ORP (mV) 64.8 64.4 64.0 63.6 64.2 TYPE (Circle ap) (BTEX) HCID) (8081)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Green (HCO3/CO3) (6	non-standard a	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 17.2 17.2 17.2 17.2 17.2 17.2 17.2 (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Too	Cond. (uS/cm) 333.2 334.1 334.8 333.8 NALYSIS AI 0) (8020) (N I) (NWTPH- activity) (TDal C) (Total PO- de) (WAD Cy	D.O. (mg/L) 1.31 1.32 1.31 1.31 1.31 LLOWED PERMYPH-G) (D) (NWTPH-S) (TSS) (B4) (Total Kie vanide) (Free va	6.25 6.26 6.26 6.26 6.26 6.26 CR BOTTLE NWTPH-Gx I-Dx) (TPH-GOD) (Turbic dahl Nitroger Cyanide)	ORP (mV) 64.8 64.4 64.0 63.6 64.2 TYPE (Circle ap (BTEX)) HCID) (8081) (dity) (Alkalinity) (Alkalinity) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Green (HCO3/CO3) (MRCO3)	non-standard a ase) Cl) (SO4) (NO	nalysis below) WA WA ON O	Observations OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 17.2 17.2 17.2 17.2 17.2 17.2 17.2 17.2 (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 333.2 334.1 334.8 333.8 NALYSIS AI 0) (8020) (NI H) (NWTPH- lectivity) (TD: C) (Total PO- le) (WAD Cy) (As) (Sb) (D.O. (mg/L) 1.31 1.32 1.31 1.31 1.31 LLOWED PE WYPH-G) (D) (NWTPH-S) (TSS) (B 4) (Total Kie vanide) (Free Ba) (Be) (Ca	6.25 6.26 6.26 6.26 6.26 ER BOTTLE NWTPH-GX I-Dx) (TPH-GOD) (Turbidahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 64.8 64.4 64.0 63.6 64.2 TYPE (Circle applement) (8081) (8081) (400) (8081) (100) (8081) (100) (8081) (100) (10	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Green (HCO3/CO3) (MO2)	non-standard a ase) CI) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 17.2 17.2 17.2 17.2 17.2 17.2 17.2 17.2 (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M	Cond. (uS/cm) 333.2 334.1 334.8 333.8 NALYSIS AI 0) (8020) (N H) (NWTPH- lectivity) (TD: C) (Total PO- le) (WAD Cy) (As) (Sb) (etals) (As) (Sb) (D.O. (mg/L) 1.31 1.32 1.31 1.31 1.31 LLOWED PE WYPH-G) (D) (NWTPH-S) (TSS) (B 4) (Total Kie vanide) (Free Ba) (Be) (Ca	6.25 6.26 6.26 6.26 6.26 ER BOTTLE NWTPH-GX I-Dx) (TPH-GOD) (Turbidahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 64.8 64.4 64.0 63.6 64.2 TYPE (Circle applement) (8081) (8081) (400) (8081) (100) (8081) (100) (8081) (100) (10	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Green (HCO3/CO3) (MO2)	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) 17.2 17.2 17.2 17.2 17.2 17.2 17.2 17.2 17.2 (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 333.2 334.1 334.8 333.8 NALYSIS AI () (8020) (NI) (NWTPH-activity) (TD: (C) (Total PO- le) (WAD Cy (MA) (Sb) (etals) (As) (Sb) (geshort list)	D.O. (mg/L) 1.31 1.32 1.31 1.31 1.31 LLOWED PERMYPH-G) (Manual Permy Per	6.25 6.26 6.26 6.26 6.26 ER BOTTLE NWTPH-GX I-Dx) (TPH-GOD) (Turbidahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 64.8 64.4 64.0 63.6 64.2 TYPE (Circle applement) (8081) (8081) (400) (8081) (100) (8081) (100) (8081) (100) (10	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Green (HCO3/CO3) (MO2)	non-standard a ase) CI) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 17.2 17.2 17.2 17.2 17.2 17.2 17.2 17.2 17.2 (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 333.2 334.1 334.8 333.8 NALYSIS AI 0) (8020) (N H) (NWTPH- lectivity) (TD: C) (Total PO- le) (WAD Cy) (As) (Sb) (etals) (As) (Sb) (D.O. (mg/L) 1.31 1.32 1.31 1.31 1.31 LLOWED PERMYPH-G) (Manual Permy Per	6.25 6.26 6.26 6.26 6.26 ER BOTTLE NWTPH-GX I-Dx) (TPH-GOD) (Turbidahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 64.8 64.4 64.0 63.6 64.2 TYPE (Circle applement) (8081) (8081) (400) (8081) (100) (8081) (100) (8081) (100) (10	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Green (HCO3/CO3) (MO2)	non-standard a ase) CI) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 17.2 17.2 17.2 17.2 17.2 17.2 17.2 17.2 17.2 (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 333.2 334.1 334.8 333.8 NALYSIS AI () (8020) (NI) (NWTPH-activity) (TD: (C) (Total PO- le) (WAD Cy (MA) (Sb) (etals) (As) (Sb) (geshort list)	D.O. (mg/L) 1.31 1.32 1.31 1.31 1.31 LLOWED PERMYPH-G) (Manual Permy Per	6.25 6.26 6.26 6.26 6.26 ER BOTTLE NWTPH-GX I-Dx) (TPH-GOD) (Turbidahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 64.8 64.4 64.0 63.6 64.2 TYPE (Circle applement) (8081) (8081) (400) (8081) (100) (8081) (100) (8081) (100) (10	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Green (HCO3/CO3) (MO2)	non-standard a ase) CI) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 17.2 17.2 17.2 17.2 17.2 17.2 17.2 17.2 17.2 (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 333.2 334.1 334.8 333.8 NALYSIS AI () (8020) (NI () (NWTPH-activity) (TD: () (Total PO- () (WAD Cy () (As) (Sb) (etals) (As) (Sb) (geshort list)	D.O. (mg/L) 1.31 1.32 1.31 1.31 1.31 LLOWED PERMYPH-G) (Manual Permy Per	6.25 6.26 6.26 6.26 6.26 ER BOTTLE NWTPH-GX I-Dx) (TPH-GOD) (Turbidahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 64.8 64.4 64.0 63.6 64.2 TYPE (Circle applement) (8081) (8081) (400) (8081) (100) (8081) (100) (8081) (100) (10	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Green (HCO3/CO3) (MO2)	non-standard a ase) CI) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 17.2 17.2 17.2 17.2 17.2 17.2 17.2 17.2 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 333.2 334.1 334.8 333.8 NALYSIS AI () (8020) (NI () (NWTPH-activity) (TD: () (Total PO- () (WAD Cy () (As) (Sb) (etals) (As) (Sb) (geshort list)	D.O. (mg/L) 1.31 1.32 1.31 1.31 1.31 LLOWED PERMYPH-G) (Manual Permy Per	6.25 6.26 6.26 6.26 6.26 ER BOTTLE NWTPH-GX I-Dx) (TPH-GOD) (Turbidahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 64.8 64.4 64.0 63.6 64.2 TYPE (Circle applement) (8081) (8081) (400) (8081) (100) (8081) (100) (8081) (100) (10	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Green (HCO3/CO3) (MO2)	non-standard a ase) CI) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 17.2 17.2 17.2 17.2 17.2 17.2 17.2 17.2 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 333.2 334.1 334.8 333.8 NALYSIS AI () (8020) (NI () (NWTPH-activity) (TD: () (Total PO- () (WAD Cy () (As) (Sb) (etals) (As) (Sb) (geshort list)	D.O. (mg/L) 1.31 1.32 1.31 1.31 1.31 LLOWED PERMYPH-G) (Manual Permy Per	6.25 6.26 6.26 6.26 6.26 ER BOTTLE NWTPH-GX I-Dx) (TPH-GOD) (Turbidahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 64.8 64.4 64.0 63.6 64.2 TYPE (Circle applement) (8081) (8081) (400) (8081) (100) (8081) (100) (8081) (100) (10	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Green (HCO3/CO3) (MO2)	non-standard a ase) CI) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR



Project Nam	ıe:	Boeing Ren	ton		Project Numbe	r <u>:</u>	0025217.099.0	99	
Event:		May-20			Date/Time:	05/12/2020@	1046		
Sample Nun	nber:	RGW-244S	200512		Weather:	CLOUDY			
Landau Rep	resentative:	JAN							
WATERIEV	/EL/WELL/PU	IRGE DATA							
Well Condition		Secure (YES))	Damaged (N	0)	Describe:	Flush Mount		
		4.18	Time:		Flow through ce		1 Idam Wodin	GW Motor No. (c	. 1
DTW Before				End Purge:	_	05/12/2020 @	1042	GW Meter No.(s	
Begin Purge:		05/12/2020 @		_				Gallons Purged:	0.25
Purge water d	isposed to:	Ш	55-gal Drum		Storage Tank	Ground	Other	SITE TREATM	ENI SYSIEM
Time	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity (NTU)	DTW (ft)	Internal Purge Volume (gal)	Comments/ Observations
	_					lings within the fo	~	>/= 1 flow	
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
1024	16.2	355.4	0.27	6.16	39.6		4.18		
1027	16.8	361.8	0.34	6.19	33.9		4.18		
1030	17.1	369.9	0.46	6.23	29.0		4.18		
-									
1033	-	378.4	0.57	6.27	24.0		-		
1036	17.3	381.4	0.66	6.30	20.1				
1039	17.3	384.9	0.75	6.31	16.4				
1041	17.3	386.5	0.77	6.32	14.4				
SAMPLE CO	LLECTION D	DATA							
Sample Colle	cted With:		Bailer		Pump/Pump Type	DED. BLADDER			
Made of:		Stainless Stee	el 🔲	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proced	dure:	Alconox Was	sh 🗖	Tap Rinse	DI Water	Dedicated	_	_	
(By Numerica		Other	-	1					
()									
Sample Descr	ription (color. 1	-	sheen etc.):	NO COLOR	LOW TURB. N	O/NS			
Sample Descr	ription (color,	-	, sheen, etc.):	NO COLOR	, LOW TURB, N	O/NS.			
Sample Descri	ription (color, t	-	, sheen, etc.):	NO COLOR	, LOW TURB, N	O/NS. Turbidity	DTW	Ferrous iron	Comments/
		turbidity, odor	· · · · · · · · · · · · · · · · · · ·				DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
	Temp	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) 17.3	Cond. (uS/cm) 386.5	D.O. (mg/L) 0.78	рН 6.32 6.32	ORP (mV) 14.0	Turbidity			
Replicate 1 2 3	Temp (°F/°C) 17.3 17.3	Cond. (uS/cm) 386.5 386.6 387.8	D.O. (mg/L) 0.78 0.78	pH 6.32 6.32 6.32	ORP (mV) 14.0 13.7	Turbidity			
Replicate 1 2	Temp (°F/°C) 17.3	Cond. (uS/cm) 386.5	D.O. (mg/L) 0.78	рН 6.32 6.32	ORP (mV) 14.0	Turbidity			
Replicate 1 2 3	Temp (°F/°C) 17.3 17.3	Cond. (uS/cm) 386.5 386.6 387.8	D.O. (mg/L) 0.78 0.78	pH 6.32 6.32 6.32	ORP (mV) 14.0 13.7	Turbidity			
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.3 17.3 17.2 17.2 17.2	Cond. (uS/cm) 386.5 386.6 387.8 387.9	D.O. (mg/L) 0.78 0.78 0.78 0.78	6.32 6.32 6.32 6.32 6.32	ORP (mV) 14.0 13.7 13.4 13.1 13.6	Turbidity (NTU)	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.3 17.3 17.2 17.2 17.3 TYPICAL A	Cond. (uS/cm) 386.5 386.6 387.8 387.9	D.O. (mg/L) 0.78 0.78 0.78 0.78 0.78	6.32 6.32 6.32 6.32 6.32 6.32	ORP (mV) 14.0 13.7 13.4 13.1 13.6 TYPE (Circle a)	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.3 17.3 17.2 17.2 17.3 TYPICAL A (8260) (8010	Cond. (uS/cm) 386.5 386.6 387.8 387.9 387.2 NALYSIS AI (0) (8020) (N	D.O. (mg/L) 0.78 0.78 0.78 0.78 0.78 0.78 UCOWED PERMYPH-G) (mg/L)	6.32 6.32 6.32 6.32 6.32 CR BOTTLE	ORP (mV) 14.0 13.7 13.4 13.1 13.6 TYPE (Circle apple) (BTEX)	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.3 17.3 17.2 17.2 17.3 TYPICAL A (8260) (8010) (8270) (PAF	Cond. (uS/cm) 386.5 386.6 387.8 387.9 387.2 NALYSIS AI 0) (8020) (N	D.O. (mg/L) 0.78 0.78 0.78 0.78 0.78 UNSTANCE OF THE WITH-G) (D) (NWTPH	6.32 6.32 6.32 6.32 6.32 CR BOTTLE NWTPH-GX	ORP (mV) 14.0 13.7 13.4 13.1 13.6 TYPE (Circle a) (BTEX) HCID) (8081)	Turbidity (NTU) #DIV/0!	non-standard a	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.3 17.3 17.2 17.2 17.3 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu	Cond. (uS/cm) 386.5 386.6 387.8 387.9 387.2 NALYSIS AL 0) (8020) (N d) (NWTPH-Inctivity) (TDS	D.O. (mg/L) 0.78 0.78 0.78 0.78 0.78 0.78 0.78 UNWTPH-G) (NWTPH-G) (NWTPH-G) (TSS) (TSS) (E	6.32 6.32 6.32 6.32 6.32 CR BOTTLE NWTPH-Gx I-Dx) (TPH-GOD) (Turbic	ORP (mV) 14.0 13.7 13.4 13.1 13.6 TYPE (Circle a) (BTEX) HCID) (8081)	#DIV/0! #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: QUANTITY 5	Temp (°F/°C) 17.3 17.2 17.2 17.3 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Conduction) (COD) (TOO	Cond. (uS/cm) 386.5 386.6 387.8 387.9 387.2 NALYSIS AL 0) (8020) (N d) (NWTPH-Inctivity) (TDS	D.O. (mg/L) 0.78 0.78 0.78 0.78 0.78 0.78 UNSTPH-G) (MWTPH-G) (MWTPH-	6.32 6.32 6.32 6.32 6.32 6.32 CR BOTTLE NWTPH-Gx I-Dx) (TPH- BOD) (Turbidahl Nitroger	ORP (mV) 14.0 13.7 13.4 13.1 13.6 TYPE (Circle ap (BTEX)) HCID) (8081) dity) (Alkalinity	#DIV/0! #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: QUANTITY 5	Temp (°F/°C) 17.3 17.2 17.2 17.3 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Too (Total Cyanid	Cond. (uS/cm) 386.5 386.6 387.8 387.2 NALYSIS AI (1) (8020) (N (1) (NWTPH-lactivity) (TDS	D.O. (mg/L) 0.78 0.78 0.78 0.78 0.78 0.78 LOWED PP WTPH-G) (D) (NWTPH-G) (D) (Total Kie anide) (Free	6.32 6.32 6.32 6.32 6.32 6.32 CR BOTTLE NWTPH-Gx I-Dx) (TPH-GOD) (Turbidahl Nitroger Cyanide)	ORP (mV) 14.0 13.7 13.4 13.1 13.6 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity a) (NH3) (NO3.	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (0	non-standard a ase) Cl) (SO4) (NO	nalysis below) WA WA O WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 17.3 17.3 17.2 17.2 17.3 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Too (Total Cyanid (Total Metals)	Cond. (uS/cm) 386.5 386.6 387.8 387.2 NALYSIS AI (iii) (8020) (NI (iii) (NWTPH-lactivity) (TDS (iii) (Total PO4 (iii) (WAD Cy (iii) (As) (Sb) (iii)	D.O. (mg/L) 0.78 0.78 0.78 0.78 0.78 0.78 CLOWED PF WTPH-G) (D) (NWTPH-G) (Total Kiesanide) (Free Ba) (Be) (Casanide) (Casan	6.32 6.32 6.32 6.32 6.32 6.32 CR BOTTLE NWTPH-GX I-Dx) (TPH- BOD) (Turbidahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 14.0 13.7 13.4 13.1 13.6 TYPE (Circle approximately) (BTEX) HCID) (8081) dity) (Alkalinity) n) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (Oil (MO2)	non-standard a ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OO OO OO OO OO (TI) (V) (Zn) (H	Observations OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 17.3 17.3 17.2 17.2 17.3 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Too (Total Cyanid (Total Metals)	Cond. (uS/cm) 386.5 386.6 387.8 387.9 387.2 NALYSIS AL 0) (8020) (N d) (NWTPH-lactivity) (TDS C) (Total PO4 de) (WAD Cy de) (As) (Sb) (detals) (As) (Sb) (Sb)	D.O. (mg/L) 0.78 0.78 0.78 0.78 0.78 0.78 CLOWED PF WTPH-G) (D) (NWTPH-G) (Total Kiesanide) (Free Ba) (Be) (Casanide) (Casan	6.32 6.32 6.32 6.32 6.32 6.32 CR BOTTLE NWTPH-GX I-Dx) (TPH- BOD) (Turbidahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 14.0 13.7 13.4 13.1 13.6 TYPE (Circle approximately) (BTEX) HCID) (8081) dity) (Alkalinity) n) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (Oil (MO2)	non-standard a ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OO OO OO OO OO (TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 17.3 17.2 17.2 17.3 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 386.5 386.6 387.8 387.9 387.2 NALYSIS AL 0) (8020) (N d) (NWTPH-lactivity) (TDS C) (Total PO4 de) (WAD Cy de) (As) (Sb) (detals) (As) (Sb) (Sb)	D.O. (mg/L) 0.78 0.78 0.78 0.78 0.78 0.78 CLOWED PERMITTED (MITTED (MIT	6.32 6.32 6.32 6.32 6.32 6.32 CR BOTTLE NWTPH-GX I-Dx) (TPH- BOD) (Turbidahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 14.0 13.7 13.4 13.1 13.6 TYPE (Circle approximately) (BTEX) HCID) (8081) dity) (Alkalinity) n) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (Oil (MO2)	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 OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 17.3 17.2 17.2 17.3 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 386.5 386.6 387.8 387.9 387.2 NALYSIS AI () (8020) (N H) (NWTPH-I () (Total PO4 () (WAD Cy () (As) (Sb) (Se g short list)	D.O. (mg/L) 0.78 0.78 0.78 0.78 0.78 0.78 CLOWED PERMITTED (MITTED (MIT	6.32 6.32 6.32 6.32 6.32 6.32 CR BOTTLE NWTPH-GX I-Dx) (TPH- BOD) (Turbidahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 14.0 13.7 13.4 13.1 13.6 TYPE (Circle approximately) (BTEX) HCID) (8081) dity) (Alkalinity) n) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (Oil (MO2)	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 OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 17.3 17.2 17.2 17.3 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 386.5 386.6 387.8 387.9 387.2 NALYSIS AI () (8020) (N H) (NWTPH-I () (Total PO4 () (WAD Cy () (As) (Sb) (Se g short list)	D.O. (mg/L) 0.78 0.78 0.78 0.78 0.78 0.78 CLOWED PERMITTED (MITTED (MIT	6.32 6.32 6.32 6.32 6.32 6.32 CR BOTTLE NWTPH-GX I-Dx) (TPH- BOD) (Turbidahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 14.0 13.7 13.4 13.1 13.6 TYPE (Circle approximately) (BTEX) HCID) (8081) dity) (Alkalinity) n) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (Oil (MO2)	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 OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 17.3 17.2 17.2 17.3 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 386.5 386.6 387.8 387.9 387.2 NALYSIS AI () (8020) (N H) (NWTPH-I () (Total PO4 () (WAD Cy () (As) (Sb) (Se g short list)	D.O. (mg/L) 0.78 0.78 0.78 0.78 0.78 0.78 CLOWED PERMITTED (MITTED (MIT	6.32 6.32 6.32 6.32 6.32 6.32 CR BOTTLE NWTPH-GX I-Dx) (TPH- BOD) (Turbidahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 14.0 13.7 13.4 13.1 13.6 TYPE (Circle approximately) (BTEX) HCID) (8081) dity) (Alkalinity) n) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (Oil (MO2)	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 OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 17.3 17.3 17.2 17.2 17.3 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 386.5 386.6 387.8 387.9 387.2 NALYSIS AI () (8020) (N H) (NWTPH-I () (Total PO4 () (WAD Cy () (As) (Sb) (Se g short list)	D.O. (mg/L) 0.78 0.78 0.78 0.78 0.78 0.78 CLOWED PERMITTED (MITTED (MIT	6.32 6.32 6.32 6.32 6.32 6.32 CR BOTTLE NWTPH-GX I-Dx) (TPH- BOD) (Turbidahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 14.0 13.7 13.4 13.1 13.6 TYPE (Circle approximately) (BTEX) HCID) (8081) dity) (Alkalinity) n) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (Oil (MO2)	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 OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 17.3 17.3 17.2 17.2 17.3 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 386.5 386.6 387.8 387.9 387.2 NALYSIS AI () (8020) (N H) (NWTPH-I () (Total PO4 () (WAD Cy () (As) (Sb) (Se g short list)	D.O. (mg/L) 0.78 0.78 0.78 0.78 0.78 0.78 CLOWED PERMITTED (MITTED (MIT	6.32 6.32 6.32 6.32 6.32 6.32 CR BOTTLE NWTPH-GX I-Dx) (TPH- BOD) (Turbidahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 14.0 13.7 13.4 13.1 13.6 TYPE (Circle approximately) (BTEX) HCID) (8081) dity) (Alkalinity) n) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (Oil (MO2)	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 OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 17.3 17.3 17.2 17.2 17.3 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 386.5 386.6 387.8 387.9 387.2 NALYSIS AI () (8020) (N H) (NWTPH-I () (Total PO4 () (WAD Cy () (As) (Sb) (Se g short list)	D.O. (mg/L) 0.78 0.78 0.78 0.78 0.78 0.78 CLOWED PERMITTED (MITTED (MIT	6.32 6.32 6.32 6.32 6.32 6.32 CR BOTTLE NWTPH-GX I-Dx) (TPH- BOD) (Turbidahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 14.0 13.7 13.4 13.1 13.6 TYPE (Circle approximately) (BTEX) HCID) (8081) dity) (Alkalinity) n) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (Oil (MO2)	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 OR OR OR OR OR OR OR



Project Nam	e:	Boeing Ren	ton		Project Number	r:	0025217.099.0	99	
Event:		May-20		_	Date/Time:	05/12/2020@	1401		
Sample Num	nber:	RGW038S-	200512		Weather:	RAIN			
Landau Repr	resentative:	JAN			•				
WATER LEV	/EL/WELL/PI	IRGE DATA							
Well Condition		Secure (YES)	Damaged (N	O)	Describe:	Flush Mount		
DTW Before	Purging (ft)	4.38	Time:	- '	Flow through cel		-	GW Meter No.(s	· 1
Begin Purge:	0 0 0			End Purge:	_	05/12/2020 @	1350	Gallons Purged:	0.25
Purge water d			55-gal Drum	Ĕ	Storage Tank	Ground		SITE TREATM	
8	•		-		-	_		•	_
Time	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity (NTU)	DTW (ft)	Internal Purge Volume (gal)	Comments/ Observations
	, ,	. ,	. 0 /	ters for three	. ,	lings within the fo	` '	>/= 1 flow	obser various
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
1338	17.2	265.3	7.16	6.35	43.8		4.40		
1341	18.2	284.5	6.80	6.40	36.2		4.40		
1344	19.4	300.0	6.47	6.44	30.5		4.40		
1347	20.1	310.7	6.34	6.45	26.2				-
1350	20.5		6.24	6.46	22.3				
	20.3	316.5	0.24	0.40					
1353									
1355									
SAMPLE CO	LLECTION D								
Sample Collec	cted With:		Bailer	_	_ ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` `	DED. BLADDER		_	
Made of:		Stainless Ste	el 🔲	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proced	lure:	Alconox Wa	sh 🔲	Tap Rinse	DI Water	Dedicated			
(By Numerica	101	_ ~ .							
		Other							
		—	, sheen, etc.):	NO COLOR	, LOW TURB, N	O/NS.			
Sample Descr	ription (color,	turbidity, odor					DTW	Ferrous iran	Comments/
		—	D.O. (mg/L)	NO COLOR	, LOW TURB, No	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) 317.1	D.O. (mg/L)	рН 6.46	ORP (mV)	Turbidity			
Sample Descr Replicate 1 2	Temp (°F/°C) 20.5	Cond. (uS/cm) 317.1	D.O. (mg/L) 6.24	pH 6.46 6.46	ORP (mV) 21.9 21.6	Turbidity			
Replicate 1 2 3	Temp (°F/°C) 20.5 20.5	Cond. (uS/cm) 317.1 317.0 317.1	D.O. (mg/L) 6.24 6.24	pH 6.46 6.46 6.46	ORP (mV) 21.9 21.6 21.3	Turbidity			
Sample Descr Replicate 1 2	Temp (°F/°C) 20.5	Cond. (uS/cm) 317.1	D.O. (mg/L) 6.24	pH 6.46 6.46	ORP (mV) 21.9 21.6	Turbidity			
Replicate 1 2 3	Temp (°F/°C) 20.5 20.5	Cond. (uS/cm) 317.1 317.0 317.1	D.O. (mg/L) 6.24 6.24	pH 6.46 6.46 6.46	ORP (mV) 21.9 21.6 21.3	Turbidity			
Replicate 1 2 3 4 Average:	Temp (°F/°C) 20.5 20.5 20.6 20.6	Cond. (uS/cm) 317.1 317.0 317.1 317.3 317.1	D.O. (mg/L) 6.24 6.24 6.20 6.20	pH 6.46 6.46 6.46 6.46 6.46	ORP (mV) 21.9 21.6 21.3 21.1 21.5	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) 317.1 317.0 317.1 317.3 317.1	D.O. (mg/L) 6.24 6.24 6.20 6.20 6.22 LLOWED PE	pH 6.46 6.46 6.46 6.46 6.46 CR BOTTLE	ORP (mV) 21.9 21.6 21.3 21.1 21.5 TYPE (Circle a)	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 20.5 20.5 20.6 20.5 TYPICAL A (8260) (8010 (8270) (PAF	Cond. (uS/cm) 317.1 317.0 317.1 317.3 317.1 NALYSIS AI O) (8020) (N	D.O. (mg/L) 6.24 6.24 6.20 6.20 6.22 LLOWED PERMYPH-G) (pH 6.46 6.46 6.46 6.46 6.46 ER BOTTLE NWTPH-GX 1-DX) (TPH-	ORP (mV) 21.9 21.6 21.3 21.1 21.5 TYPE (Circle ap) (BTEX) HCID) (8081)	#DIV/0!	non-standard a	nalysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 20.5 20.5 20.6 20.5 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu	Cond. (uS/cm) 317.1 317.0 317.1 317.3 317.1 NALYSIS AI O) (8020) (NI) (NWTPH- lectivity) (TD:	D.O. (mg/L) 6.24 6.24 6.20 6.20 6.22 LLOWED PERMYPH-G) (MONTPH-G) (MONT	6.46 6.46 6.46 6.46 6.46 ER BOTTLE NWTPH-GX I-Dx) (TPH-GOD) (Turbic	ORP (mV) 21.9 21.6 21.3 21.1 21.5 TYPE (Circle applement) HCID) (8081) (dity) (Alkalinity)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Green (HCO3/CO3) (6	non-standard a	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 20.5 20.5 20.6 20.5 20.6 20.7 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Conduction) (Too	Cond. (uS/cm) 317.1 317.0 317.1 317.3 317.1 NALYSIS AI (D) (8020) (NI) (NWTPH- dictivity) (TD: (C) (Total PO-	D.O. (mg/L) 6.24 6.20 6.20 6.22 LLOWED PERMYPH-G) (DD) (NWTPH-SS) (TSS) (Bd) (Total Kie	6.46 6.46 6.46 6.46 6.46 CR BOTTLE NWTPH-Gx 1-Dx) (TPH- BOD) (Turbidahl Nitroger	ORP (mV) 21.9 21.6 21.3 21.1 21.5 TYPE (Circle ap) (BTEX) HCID) (8081)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Green (HCO3/CO3) (6	non-standard a	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 20.5 20.5 20.5 20.6 20.5 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid	Cond. (uS/cm) 317.1 317.0 317.1 317.3 317.1 NALYSIS AI 0) (8020) (N I) (NWTPH- activity) (TDal C) (Total PO- de) (WAD Cy	D.O. (mg/L) 6.24 6.20 6.20 6.22 LLOWED PER INTPH-G) (D) (NWTPH-S) (TSS) (B4) (Total Kievanide) (Freevanide) (Freevanide) (Freevanide)	pH 6.46 6.46 6.46 6.46 CR BOTTLE NWTPH-Gx I-Dx) (TPH-GOD) (Turbic dahl Nitroger Cyanide)	ORP (mV) 21.9 21.6 21.3 21.1 21.5 TYPE (Circle ap (BTEX)) HCID) (8081) (400 (MH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Green (HCO3/CO3) (MRCO3)	non-standard a ase) Cl) (SO4) (NO	malysis below) WA WA WA ON ONE OF ONE OF OF ONE OF	Observations OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 20.5 20.5 20.6 20.5 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 317.1 317.0 317.1 317.3 317.1 NALYSIS AI O) (8020) (NI) (NWTPH- lectivity) (TD: C) (Total PO- le) (WAD Cy) (As) (Sb) (D.O. (mg/L) 6.24 6.20 6.20 6.22 LLOWED PE WYPH-G) (D) (NWTPH S) (TSS) (B 4) (Total Kie vanide) (Free Ba) (Be) (Ca	pH 6.46 6.46 6.46 6.46 CR BOTTLE NWTPH-GX I-DX) (TPH-GOD) (Turbidahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 21.9 21.6 21.3 21.1 21.5 TYPE (Circle ap (BTEX)) HCID) (8081) (dity) (Alkalinity) (NH3) (NO3/2) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Green (HCO3/CO3) (MO2)	non-standard a ase) CI) (SO4) (NO	nalysis below) WA WA OB (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR Graph Graph
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 20.5 20.5 20.6 20.5 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M	Cond. (uS/cm) 317.1 317.0 317.1 317.3 317.1 NALYSIS AI (b) (8020) (N H) (NWTPH- (civity) (TD: (c) (Total PO- (de) (WAD Cy (de) (As) (Sb) (etals) (As) (Sb) (second)	D.O. (mg/L) 6.24 6.20 6.20 6.22 LLOWED PE WYPH-G) (D) (NWTPH S) (TSS) (B 4) (Total Kie vanide) (Free Ba) (Be) (Ca	pH 6.46 6.46 6.46 6.46 CR BOTTLE NWTPH-GX I-DX) (TPH-GOD) (Turbidahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 21.9 21.6 21.3 21.1 21.5 TYPE (Circle ap (BTEX)) HCID) (8081) (dity) (Alkalinity) (NH3) (NO3/2) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Green (HCO3/CO3) (MO2)	non-standard a ase) CI) (SO4) (NO	nalysis below) WA WA OB (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 20.5 20.5 20.6 20.5 20.6 20.5 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 317.1 317.0 317.1 317.3 317.1 NALYSIS AI (b) (8020) (N H) (NWTPH- (civity) (TD: (c) (Total PO- (de) (WAD Cy (de) (As) (Sb) (etals) (As) (Sb) (second)	D.O. (mg/L) 6.24 6.24 6.20 6.20 6.22 LLOWED PERMYTPH-G) (MATPH-G) (MATPH-G) (MATPH-G) (Mathematical Permission (Free Ba) (Ba) (Ba) (Ba) (Ba) (Ba) (Ba) (Ba)	pH 6.46 6.46 6.46 6.46 CR BOTTLE NWTPH-GX I-DX) (TPH-GOD) (Turbidahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 21.9 21.6 21.3 21.1 21.5 TYPE (Circle ap (BTEX)) HCID) (8081) (dity) (Alkalinity) (NH3) (NO3/2) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Green (HCO3/CO3) (MO2)	non-standard a ase) CI) (SO4) (NO	nalysis below) WA WA OB (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR Graph Graph
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 20.5 20.5 20.6 20.5 20.6 20.5 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 317.1 317.0 317.1 317.3 317.1 NALYSIS AI (D) (8020) (NI) (NWTPH-activity) (TD: (C) (Total PO-le) (WAD Cy) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 6.24 6.24 6.20 6.20 6.22 LLOWED PERMYTPH-G) (MATPH-G) (MATPH-G) (MATPH-G) (Mathematical Permission (Free Ba) (Ba) (Ba) (Ba) (Ba) (Ba) (Ba) (Ba)	pH 6.46 6.46 6.46 6.46 CR BOTTLE NWTPH-GX I-DX) (TPH-GOD) (Turbidahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 21.9 21.6 21.3 21.1 21.5 TYPE (Circle ap (BTEX)) HCID) (8081) (dity) (Alkalinity) (NH3) (NO3/2) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Green (HCO3/CO3) (MO2)	non-standard a ase) CI) (SO4) (NO	nalysis below) WA WA OB (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR Graph Graph
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 20.5 20.5 20.6 20.5 20.6 20.5 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 317.1 317.0 317.1 317.3 317.1 NALYSIS AI (D) (8020) (NI) (NWTPH-activity) (TD: (C) (Total PO-le) (WAD Cy) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 6.24 6.24 6.20 6.20 6.22 LLOWED PERMYTPH-G) (MATPH-G) (MATPH-G) (MATPH-G) (Mathematical Permission (Free Ba) (Ba) (Ba) (Ba) (Ba) (Ba) (Ba) (Ba)	pH 6.46 6.46 6.46 6.46 CR BOTTLE NWTPH-GX I-DX) (TPH-GOD) (Turbidahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 21.9 21.6 21.3 21.1 21.5 TYPE (Circle ap (BTEX)) HCID) (8081) (dity) (Alkalinity) (NH3) (NO3/2) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Green (HCO3/CO3) (MO2)	non-standard a ase) CI) (SO4) (NO	nalysis below) WA WA OB (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR Graph Graph
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 20.5 20.5 20.6 20.5 20.6 20.5 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 317.1 317.0 317.1 317.3 317.1 NALYSIS AI (D) (8020) (NI) (NWTPH-activity) (TD: (C) (Total PO-le) (WAD Cy) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 6.24 6.24 6.20 6.20 6.22 LLOWED PERMYTPH-G) (MATPH-G) (MATPH-G) (MATPH-G) (Mathematical Permission (Free Ba) (Ba) (Ba) (Ba) (Ba) (Ba) (Ba) (Ba)	pH 6.46 6.46 6.46 6.46 CR BOTTLE NWTPH-GX I-DX) (TPH-GOD) (Turbidahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 21.9 21.6 21.3 21.1 21.5 TYPE (Circle ap (BTEX)) HCID) (8081) (dity) (Alkalinity) (NH3) (NO3/2) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Green (HCO3/CO3) (MO2)	non-standard a ase) CI) (SO4) (NO	nalysis below) WA WA OB (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR Graph Graph
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 20.5 20.5 20.6 20.5 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 317.1 317.0 317.1 317.3 317.1 NALYSIS AI (D) (8020) (NI) (NWTPH-activity) (TD: (C) (Total PO-le) (WAD Cy) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 6.24 6.24 6.20 6.20 6.22 LLOWED PERMYTPH-G) (MATPH-G) (MATPH-G) (MATPH-G) (Mathematical Permission (Free Ba) (Ba) (Ba) (Ba) (Ba) (Ba) (Ba) (Ba)	pH 6.46 6.46 6.46 6.46 CR BOTTLE NWTPH-GX I-DX) (TPH-GOD) (Turbidahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 21.9 21.6 21.3 21.1 21.5 TYPE (Circle ap (BTEX)) HCID) (8081) (dity) (Alkalinity) (NH3) (NO3/2) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Green (HCO3/CO3) (MO2)	non-standard a ase) CI) (SO4) (NO	nalysis below) WA WA OB (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR Graph Graph
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 20.5 20.5 20.6 20.5 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 317.1 317.0 317.1 317.3 317.1 NALYSIS AI (D) (8020) (NI) (NWTPH-activity) (TD: (C) (Total PO-le) (WAD Cy) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 6.24 6.24 6.20 6.20 6.22 LLOWED PERMYTPH-G) (MATPH-G) (MATPH-G) (MATPH-G) (Mathematical Permission (Free Ba) (Ba) (Ba) (Ba) (Ba) (Ba) (Ba) (Ba)	pH 6.46 6.46 6.46 6.46 CR BOTTLE NWTPH-GX I-DX) (TPH-GOD) (Turbidahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 21.9 21.6 21.3 21.1 21.5 TYPE (Circle ap (BTEX)) HCID) (8081) (dity) (Alkalinity) (NH3) (NO3/2) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Green (HCO3/CO3) (MO2)	non-standard a ase) CI) (SO4) (NO	nalysis below) WA WA OB (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR Graph Graph
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 20.5 20.5 20.6 20.5 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 317.1 317.0 317.1 317.3 317.1 NALYSIS AI (D) (8020) (NI) (NWTPH-activity) (TD: (C) (Total PO-le) (WAD Cy) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 6.24 6.24 6.20 6.20 6.22 LLOWED PERMYTPH-G) (MATPH-G) (MATPH-G) (MATPH-G) (Mathematical Permission (Free Ba) (Ba) (Ba) (Ba) (Ba) (Ba) (Ba) (Ba)	pH 6.46 6.46 6.46 6.46 CR BOTTLE NWTPH-GX I-DX) (TPH-GOD) (Turbidahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 21.9 21.6 21.3 21.1 21.5 TYPE (Circle ap (BTEX)) HCID) (8081) (dity) (Alkalinity) (NH3) (NO3/2) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Green (HCO3/CO3) (MO2)	non-standard a ase) CI) (SO4) (NO	nalysis below) WA WA OB (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR Graph Graph



Project Name	e <u>:</u>	Boeing Ren	ton		Project Numbe	r <u>:</u>	0025217.099.0	99	
Event:		May-20			Date/Time:	05/12 /2020@	1357		
Sample Num	nber:	RGW209S-	200512		Weather:	RAINY			
Landau Repr	resentative:	CEB							
WATER LEV	'EL/WELL/PU	JRGE DATA							
Well Conditio	n:	Secure (YES)	Damaged (N	O)	Describe:	Flush Mount		
DTW Before	Purging (ft)	4.02	Time:	1332	Flow through ce	ll vol.		GW Meter No.(s SLOPE4
Begin Purge:	Date/Time:	05/12 /2020	1333	End Purge:	Date/Time:	05/ 12 /2020 @	1352	Gallons Purged:	0.25
Purge water d	isposed to:		55-gal Drum		Storage Tank	Ground	Other	SITE TREATM	IENT SYSTEM
	Т	Cond	D.O.		ODD	T	DTW	Intonnal Dunga	Commontal
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	
1333	17.0	373.1	0.15	6.29	32.3		4.02		
1336	17.6	375.6	0.11	6.27	25.9		4.02		-
1339	17.6	376.7	0.20	6.22	25.2		4.02		
1342	17.6	378.1	0.14	6.26	19.0				
1345	18.0	381.7	0.28	6.26	14.6		-		
	-						-		
1348	18.1	382.8	0.27	6.26	14.0		-		
1351	18.3	385.0	0.26	6.26	10.2				-
SAMPLE CO			Bailer		Dump/Dump Tum	e DED BLADDER			
Made of:	ied willi.	Stainless Ste	_	PVC	Teflon	Polyethylene	Other	Dedicated	
					₩		<u> </u> Ошег		
Decon Proced		Alconox Was	sn 📋	Tap Rinse	DI Water	☐ Dedicated		Ε	
(By Numerical		Other	ahaan ata)ı	CLEAD CO	ODI ESS NO O	DOD NO SHEEN			
		_	, sheen, etc.):	CLEAR CO	LORLESS NO O	DOR NO SHEEN			
		_	D.O. (mg/L)	CLEAR CO	ORP (mV)	Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
Sample Descr	iption (color, t	curbidity, odor	D.O.		ORP	Turbidity			
Sample Descri Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity			
Replicate 1 2	Temp (°F/°C) 18.2	Cond. (uS/cm) 385.1	D.O. (mg/L) 0.25 0.22	pH 6.26 6.26	ORP (mV) 9.1 8.6	Turbidity			
Replicate 1 2 3	Temp (°F/°C) 18.2 18.1	Cond. (uS/cm) 385.1 384.6	D.O. (mg/L) 0.25 0.22	pH 6.26 6.26 6.26	ORP (mV) 9.1 8.6 8.4	Turbidity			
Replicate 1 2 3 4	Temp (°F/°C) 18.2 18.1 18.0	Cond. (uS/cm) 385.1 384.6 384.0	D.O. (mg/L) 0.25 0.22 0.24	pH 6.26 6.26 6.26 6.26	ORP (mV) 9.1 8.6 8.4 8.0	Turbidity (NTU)			
Replicate 1 2 3 4 Average:	Temp (°F/°C) 18.2 18.1 18.0 18.0	Cond. (uS/cm) 385.1 384.6 384.0 383.5 384.3	D.O. (mg/L) 0.25 0.22 0.24 0.23	6.26 6.26 6.26 6.26 6.26	ORP (mV) 9.1 8.6 8.4 8.0 8.5	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 18.2 18.1 18.0 18.0 18.1	Cond. (uS/cm) 385.1 384.6 384.0 383.5 384.3	D.O. (mg/L) 0.25 0.22 0.24 0.23 0.24 LLOWED PE	6.26 6.26 6.26 6.26 6.26	ORP (mV) 9.1 8.6 8.4 8.0 8.5 TYPE (Circle a)	Turbidity (NTU)	(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) 385.1 384.6 384.0 383.5 384.3 NALYSIS AI	D.O. (mg/L) 0.25 0.22 0.24 0.23 0.24 LOWED PE	6.26 6.26 6.26 6.26 6.26 RBOTTLE	ORP (mV) 9.1 8.6 8.4 8.0 8.5 TYPE (Circle a) (BTEX)	Turbidity (NTU) #DIV/0!	(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) (8270) (PAF	Cond. (uS/cm) 385.1 384.6 384.0 383.5 384.3 NALYSIS AI 0) (8020) (NI) (NWTPH-	D.O. (mg/L) 0.25 0.22 0.24 0.23 0.24 LOWED PERMITPH-G) (6.26 6.26 6.26 6.26 6.26 CR BOTTLE NWTPH-GX 1-DX) (TPH-	ORP (mV) 9.1 8.6 8.4 8.0 8.5 TYPE (Circle a) (BTEX) HCID) (8081)	#DIV/0!	non-standard at	nalysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 18.2 18.1 18.0 18.0 18.1 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu	Cond. (uS/cm) 385.1 384.6 384.0 383.5 384.3 NALYSIS AI 0) (8020) (NI 0) (NWTPH- lectivity) (TD:	D.O. (mg/L) 0.25 0.22 0.24 0.23 0.24 LLOWED PERMYPH-G) (DD) (NWTPH-GS) (TSS) (BB)	6.26 6.26 6.26 6.26 6.26 6.26 CR BOTTLE NWTPH-GX 1-Dx) (TPH-OD) (Turbic	ORP (mV) 9.1 8.6 8.4 8.0 8.5 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity	#DIV/0! #DIV/0! pplicable or write to (8141) (Oil & Gree) (HCO3/CO3) (O	non-standard at	nalysis below) WA WA WA	Observations OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 18.2 18.1 18.0 18.0 18.1 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu	Cond. (uS/cm) 385.1 384.6 384.0 383.5 384.3 NALYSIS AI 0) (8020) (NI) (NWTPH- lectivity) (TD:	D.O. (mg/L) 0.25 0.22 0.24 0.23 0.24 LOWED PERMYTPH-G) (D) (NWTPH S) (TSS) (B	6.26 6.26 6.26 6.26 6.26 CR BOTTLE NWTPH-Gx 1-Dx) (TPH- DD) (Turbic dahl Nitroger	ORP (mV) 9.1 8.6 8.4 8.0 8.5 TYPE (Circle a) (BTEX) HCID) (8081)	#DIV/0! #DIV/0! pplicable or write to (8141) (Oil & Gree) (HCO3/CO3) (O	non-standard at	nalysis below) WA WA WA	Observations OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 18.2 18.1 18.0 18.1 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Too	Cond. (uS/cm) 385.1 384.6 384.0 383.5 384.3 NALYSIS AI 0) (8020) (N I) (NWTPH- lectivity) (TD: C) (Total PO- le) (WAD Cy	D.O. (mg/L) 0.25 0.22 0.24 0.23 0.24 LOWED PERMITPH-G) (D) (NWTPH-S) (TSS) (BB 4) (Total Kie vanide) (Free	6.26 6.26 6.26 6.26 6.26 CR BOTTLE NWTPH-GX (I-Dx) (TPH-OD) (Turbid dahl Nitroger Cyanide)	ORP (mV) 9.1 8.6 8.4 8.0 8.5 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (NH3) (NO3	#DIV/0! #DIV/0! pplicable or write to (8141) (Oil & Gree) (HCO3/CO3) (O	non-standard at ase)	(Fe II) nalysis below) WA WA ONLY WA ONLY ON	Observations OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 18.2 18.1 18.0 18.1 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 385.1 384.6 384.0 383.5 384.3 NALYSIS AI O) (8020) (NI) (NWTPH- letivity) (TD: C) (Total PO- let) (WAD Cy o) (As) (Sb) (D.O. (mg/L) 0.25 0.22 0.24 0.23 0.24 LLOWED PE WTPH-G) (D) (NWTPH S) (TSS) (B 4) (Total Kie ranide) (Free Ba) (Be) (Ca	6.26 6.26 6.26 6.26 6.26 CR BOTTLE NWTPH-Gx (I-Dx) (TPH-OD) (Turbic dahl Nitroger Cyanide)	ORP (mV) 9.1 8.6 8.4 8.0 8.5 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (Alkalinity) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interpolation of the interpo	non-standard and ase) CI) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 18.2 18.1 18.0 18.0 18.1 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 385.1 384.6 384.0 383.5 384.3 NALYSIS AI 0) (8020) (N I) (NWTPH- lectivity) (TD: C) (Total PO- le) (WAD Cy de) (As) (Sb) (etals) (As) (Sb g short list)	D.O. (mg/L) 0.25 0.22 0.24 0.23 0.24 LOWED PERMYPH-G) (MYTPH-G) (MYTPH	6.26 6.26 6.26 6.26 6.26 CR BOTTLE NWTPH-Gx (I-Dx) (TPH-OD) (Turbic dahl Nitroger Cyanide)	ORP (mV) 9.1 8.6 8.4 8.0 8.5 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (Alkalinity) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interpolation of the interpo	non-standard and ase) CI) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 18.2 18.1 18.0 18.0 18.1 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 385.1 384.6 384.0 383.5 384.3 NALYSIS AI () (8020) (N I) (NWTPH- () (Total PO- () (Total PO- () (As) (Sb) ((etals) (As) (Sb) (D.O. (mg/L) 0.25 0.22 0.24 0.23 0.24 LOWED PERMYPH-G) (MYTPH-G) (MYTPH	6.26 6.26 6.26 6.26 6.26 CR BOTTLE NWTPH-Gx (I-Dx) (TPH-OD) (Turbic dahl Nitroger Cyanide)	ORP (mV) 9.1 8.6 8.4 8.0 8.5 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (Alkalinity) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interpolation of the interpo	non-standard and ase) CI) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 18.2 18.1 18.0 18.0 18.1 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 385.1 384.6 384.0 383.5 384.3 NALYSIS AI 0) (8020) (N I) (NWTPH- lectivity) (TD: C) (Total PO- le) (WAD Cy de) (As) (Sb) (etals) (As) (Sb g short list)	D.O. (mg/L) 0.25 0.22 0.24 0.23 0.24 LOWED PERMYPH-G) (MYTPH-G) (MYTPH	6.26 6.26 6.26 6.26 6.26 CR BOTTLE NWTPH-Gx (I-Dx) (TPH-OD) (Turbic dahl Nitroger Cyanide)	ORP (mV) 9.1 8.6 8.4 8.0 8.5 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (Alkalinity) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interpolation of the interpo	non-standard and ase) CI) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 18.2 18.1 18.0 18.0 18.1 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 385.1 384.6 384.0 383.5 384.3 NALYSIS AI 0) (8020) (N I) (NWTPH- lectivity) (TD: C) (Total PO- le) (WAD Cy de) (As) (Sb) (etals) (As) (Sb g short list)	D.O. (mg/L) 0.25 0.22 0.24 0.23 0.24 LOWED PERMYPH-G) (MYTPH-G) (MYTPH	6.26 6.26 6.26 6.26 6.26 CR BOTTLE NWTPH-Gx (I-Dx) (TPH-OD) (Turbic dahl Nitroger Cyanide)	ORP (mV) 9.1 8.6 8.4 8.0 8.5 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (Alkalinity) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interpolation of the interpo	non-standard and ase) CI) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 18.2 18.1 18.0 18.0 18.1 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 385.1 384.6 384.0 383.5 384.3 NALYSIS AI 0) (8020) (N I) (NWTPH- lectivity) (TD: C) (Total PO- le) (WAD Cy de) (As) (Sb) (etals) (As) (Sb g short list)	D.O. (mg/L) 0.25 0.22 0.24 0.23 0.24 LOWED PERMYPH-G) (MYTPH-G) (MYTPH	6.26 6.26 6.26 6.26 6.26 CR BOTTLE NWTPH-Gx (I-Dx) (TPH-OD) (Turbic dahl Nitroger Cyanide)	ORP (mV) 9.1 8.6 8.4 8.0 8.5 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (Alkalinity) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interpolation of the interpo	non-standard and ase) CI) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 18.2 18.1 18.0 18.0 18.1 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 385.1 384.6 384.0 383.5 384.3 NALYSIS AI 0) (8020) (N I) (NWTPH- lectivity) (TD: C) (Total PO- le) (WAD Cy de) (As) (Sb) (etals) (As) (Sb g short list)	D.O. (mg/L) 0.25 0.22 0.24 0.23 0.24 LOWED PERMYPH-G) (MYTPH-G) (MYTPH	6.26 6.26 6.26 6.26 6.26 CR BOTTLE NWTPH-Gx (I-Dx) (TPH-OD) (Turbic dahl Nitroger Cyanide)	ORP (mV) 9.1 8.6 8.4 8.0 8.5 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (Alkalinity) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interpolation of the interpo	non-standard and ase) CI) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 18.2 18.1 18.0 18.0 18.1 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 385.1 384.6 384.0 383.5 384.3 NALYSIS AI 0) (8020) (N I) (NWTPH- lectivity) (TD: C) (Total PO- le) (WAD Cy de) (As) (Sb) (etals) (As) (Sb g short list)	D.O. (mg/L) 0.25 0.22 0.24 0.23 0.24 LOWED PERMYPH-G) (MYTPH-G) (MYTPH	6.26 6.26 6.26 6.26 6.26 CR BOTTLE NWTPH-Gx (I-Dx) (TPH-OD) (Turbic dahl Nitroger Cyanide)	ORP (mV) 9.1 8.6 8.4 8.0 8.5 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (Alkalinity) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interpolation of the interpo	non-standard and ase) CI) (SO4) (NO	(Fe II) nalysis below) WA WA O3) (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR



Project Nam	e:	Boeing Ren	ton		Project Numbe	r:	0025217.099.0	99	
Event:		May-20		_	Date/Time:	05/12/2020@	1231		
Sample Num	nber:	RGW210S-	200512		Weather:	CLOUDY			
Landau Repr	resentative:	JAN							
WATER LEV	/EL/WELL/PU	JRGE DATA							
Well Condition		Secure (YES)	Damaged (N	(O)	Describe:	Flush Mount		
DTW Before	Purging (ft)	3.78	Time:	1157	Flow through ce	ll vol.		GW Meter No.(s	s 1
Begin Purge:	0 0 0			End Purge:	_	05/12/2020 @	1220	Gallons Purged:	0.25
Purge water d	isposed to:		55-gal Drum		Storage Tank	Ground		SITE TREATM	ENT SYSTEM
	, an	-					_		
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 Paramet		consecutive read	lings within the fo	llowing limits	>/= 1 flow	
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
1203	15.5	257.2	2.05	6.39	52.2		3.78		
1206	15.8	258.2	2.02	6.32	55.5		3.78		
1209	16.3	260.1	1.94	6.26	59.0		3.78		
1212	16.4	262.1	1.74	6.27	58.2				
1215	18.0	264.7	1.56	6.29	56.0				
	· ·								
1218	19.4	274.6	1.48	6.30	54.4	-			
1220	20.2	279.0	0.96	6.33	53.5				
SAMPLE CO			D !!						
Sample Collec	cted With:		Bailer	_	_ ` ` ` ` ` `	DED. BLADDER			
Made of:		Stainless Ste		PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proced		Alconox Wa	sh 🔲	Tap Rinse	DI Water	Dedicated			
	l Order)	Other							
		_	, sheen, etc.):	BROWN, H	IGH TURB, NO/I	NS, LOTS OF PAR	TICULATES.		
		_	D.O.	BROWN, H	IGH TURB, NO/I	NS, LOTS OF PAR	DTW	Ferrous iron	Comments/
Sample Descr	ription (color,	turbidity, odor	· · · / <u>-</u>					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	Temp (°F/°C)	Cond. (uS/cm) 279.2	D.O. (mg/L)	рН 6.34	ORP (mV)	Turbidity	DTW		
Sample Descr Replicate 1 2	Temp (°F/°C) 20.3	Cond. (uS/cm) 279.2	D.O. (mg/L) 0.73 0.65	рН 6.34 6.35	ORP (mV) 53.4 53.0	Turbidity	DTW		
Replicate 1 2 3 4	Temp (°F/°C) 20.3 20.2 20.5	Cond. (uS/cm) 279.2 279.8 280.7	D.O. (mg/L) 0.73 0.65 0.48	pH 6.34 6.35 6.38 6.40	ORP (mV) 53.4 53.0 52.3 51.7	Turbidity (NTU)	DTW		
Replicate 1 2 3 4 Average:	Temp (°F/°C) 20.3 20.2 20.5 20.5	Cond. (uS/cm) 279.2 279.8 280.7 280.8	D.O. (mg/L) 0.73 0.65 0.48 0.26 0.53	pH 6.34 6.35 6.38 6.40 6.37	ORP (mV) 53.4 53.0 52.3 51.7 52.6	Turbidity (NTU) #DIV/0!	DTW (ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 20.3 20.2 20.5 20.5 20.4	Cond. (uS/cm) 279.2 279.8 280.7 280.8 280.1	D.O. (mg/L) 0.73 0.65 0.48 0.26 0.53	6.34 6.35 6.38 6.40 6.37 CR BOTTLE	ORP (mV) 53.4 53.0 52.3 51.7 52.6 TYPE (Circle a)	Turbidity (NTU)	DTW (ft)	(Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 20.3 20.2 20.5 20.5 20.4 TYPICAL A (8260) (8010	Cond. (uS/cm) 279.2 279.8 280.7 280.8 280.1 NALYSIS AI	D.O. (mg/L) 0.73 0.65 0.48 0.26 0.53 LLOWED PE	6.34 6.35 6.38 6.40 6.37 CR BOTTLE NWTPH-GX	ORP (mV) 53.4 53.0 52.3 51.7 52.6 TYPE (Circle apple) (BTEX)	Turbidity (NTU) #DIV/0!	DTW (ft)	nalysis below)	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 20.3 20.2 20.5 20.5 20.4 TYPICAL A (8260) (8010 (8270) (PAF	Cond. (uS/cm) 279.2 279.8 280.7 280.8 280.1 NALYSIS AI 0) (8020) (NH) (NWTPH-	D.O. (mg/L) 0.73 0.65 0.48 0.26 0.53 LLOWED PERMYPH-G) (6.34 6.35 6.38 6.40 6.37 CR BOTTLE NWTPH-GX 1-Dx) (TPH-	ORP (mV) 53.4 53.0 52.3 51.7 52.6 TYPE (Circle a) (BTEX) HCID) (8081)	#DIV/0!	DTW (ft)	nalysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 20.3 20.2 20.5 20.5 20.4 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu	Cond. (uS/cm) 279.2 279.8 280.7 280.8 280.1 NALYSIS AI 0) (8020) (NI) (NWTPH- activity) (TD:	D.O. (mg/L) 0.73 0.65 0.48 0.26 0.53 LLOWED PERMYPH-G) (DD) (NWTPH-S) (TSS) (B	6.34 6.35 6.38 6.40 6.37 CR BOTTLE NWTPH-GX I-Dx) (TPH-IOD) (Turbic)	ORP (mV) 53.4 53.0 52.3 51.7 52.6 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (6	DTW (ft)	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 20.3 20.2 20.5 20.5 20.4 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Conduction) (TOO	Cond. (uS/cm) 279.2 279.8 280.7 280.8 280.1 NALYSIS AI 0) (8020) (NI) (NWTPH- activity) (TD:	D.O. (mg/L) 0.73 0.65 0.48 0.26 0.53 LLOWED PERMYPH-G) (D) (NWTPH S) (TSS) (B	6.34 6.35 6.38 6.40 6.37 CR BOTTLE NWTPH-Gx 1-Dx) (TPH- DOD) (Turbid dahl Nitroger	ORP (mV) 53.4 53.0 52.3 51.7 52.6 TYPE (Circle a) (BTEX) HCID) (8081)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (6	DTW (ft)	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 20.3 20.2 20.5 20.4 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanic	Cond. (uS/cm) 279.2 279.8 280.7 280.8 280.1 NALYSIS AI 0) (8020) (N I) (NWTPH- activity) (TDal C) (Total PO- de) (WAD Cy	D.O. (mg/L) 0.73 0.65 0.48 0.26 0.53 LLOWED PERMYPH-G) (D) (NWTPH-S) (TSS) (B4) (Total Kievanide) (Freevanide) (Freevanide) (Freevanide)	pH 6.34 6.35 6.38 6.40 6.37 CR BOTTLE NWTPH-Gx I-Dx) (TPH-IOD) (Turbid dahl Nitroger Cyanide)	ORP (mV) 53.4 53.0 52.3 51.7 52.6 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity and (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (6	non-standard a	nalysis below) WA WA ON O	Observations OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 20.3 20.2 20.5 20.4 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Conduction (COD) (Total Cyanical Metals)	Cond. (uS/cm) 279.2 279.8 280.7 280.8 280.1 NALYSIS AI O) (8020) (NI) (NWTPH- lectivity) (TD: C) (Total PO- le) (WAD Cy) (As) (Sb) (D.O. (mg/L) 0.73 0.65 0.48 0.26 0.53 LLOWED PE WYPH-G) (D) (NWTPH-S) (TSS) (B 4) (Total Kie vanide) (Free Ba) (Be) (Ca	pH 6.34 6.35 6.38 6.40 6.37 CR BOTTLE NWTPH-GX I-Dx) (TPH-IOD) (Turbid dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 53.4 53.0 52.3 51.7 52.6 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity a) (NH3) (NO3. (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (O/NO2) (Pb) (Mg) (Mn) (non-standard a ase) Cl) (SO4) (NO	nalysis below) WA WA OB WA OB WA OB WA OB WA	Observations OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 20.3 20.2 20.5 20.4 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Conduction (COD) (Total Cyanical Metals)	Cond. (uS/cm) 279.2 279.8 280.7 280.8 280.1 NALYSIS AI (b) (8020) (N (c) (Total PO- (de) (WAD Cy (de) (As) (Sb) (etals) (As) (Sb)	D.O. (mg/L) 0.73 0.65 0.48 0.26 0.53 LLOWED PE WYPH-G) (D) (NWTPH-S) (TSS) (B 4) (Total Kie vanide) (Free Ba) (Be) (Ca	pH 6.34 6.35 6.38 6.40 6.37 CR BOTTLE NWTPH-GX I-Dx) (TPH-IOD) (Turbid dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 53.4 53.0 52.3 51.7 52.6 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity a) (NH3) (NO3. (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (O/NO2) (Pb) (Mg) (Mn) (non-standard a ase) Cl) (SO4) (NO	nalysis below) WA WA OB WA OB WA OB WA OB WA	Observations OR OR OR OR Graph Graph
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 20.3 20.2 20.5 20.5 20.4 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanic (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 279.2 279.8 280.7 280.8 280.1 NALYSIS AI (b) (8020) (N (c) (Total PO- (de) (WAD Cy (de) (As) (Sb) (etals) (As) (Sb)	D.O. (mg/L) 0.73 0.65 0.48 0.26 0.53 LLOWED PERMYTPH-G) (MATPH-G) (MATPH-G) (MATPH-G) (Mathematical Permittence of the Company of the C	pH 6.34 6.35 6.38 6.40 6.37 CR BOTTLE NWTPH-GX I-Dx) (TPH-IOD) (Turbid dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 53.4 53.0 52.3 51.7 52.6 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity a) (NH3) (NO3. (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (O/NO2) (Pb) (Mg) (Mn) (non-standard a ase) Cl) (SO4) (NO	nalysis below) WA WA OB WA OB WA OB WA OB WA	Observations OR OR OR OR Graph Graph
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 20.3 20.2 20.5 20.5 20.4 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanic (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 279.2 279.8 280.7 280.8 280.1 NALYSIS AI (0) (8020) (NI) (NWTPH- activity) (TD: (C) (Total PO- de) (WAD Cy (MA) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.73 0.65 0.48 0.26 0.53 LLOWED PERMYTPH-G) (MATPH-G) (MATPH-G) (MATPH-G) (Mathematical Permittence of the Company of the C	pH 6.34 6.35 6.38 6.40 6.37 CR BOTTLE NWTPH-GX I-Dx) (TPH-IOD) (Turbid dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 53.4 53.0 52.3 51.7 52.6 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity a) (NH3) (NO3. (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (O/NO2) (Pb) (Mg) (Mn) (non-standard a ase) Cl) (SO4) (NO	nalysis below) WA WA OB WA OB WA OB WA OB WA	Observations OR OR OR OR Graph Graph
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 20.3 20.2 20.5 20.4 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanical Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 279.2 279.8 280.7 280.8 280.1 NALYSIS AI (0) (8020) (NI) (NWTPH- activity) (TD: (C) (Total PO- de) (WAD Cy (MA) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.73 0.65 0.48 0.26 0.53 LLOWED PERMYTPH-G) (MATPH-G) (MATPH-G) (MATPH-G) (Mathematical Permittence of the Company of the C	pH 6.34 6.35 6.38 6.40 6.37 CR BOTTLE NWTPH-GX I-Dx) (TPH-IOD) (Turbid dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 53.4 53.0 52.3 51.7 52.6 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity a) (NH3) (NO3. (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (O/NO2) (Pb) (Mg) (Mn) (non-standard a ase) Cl) (SO4) (NO	nalysis below) WA WA OB WA OB WA OB WA OB WA	Observations OR OR OR OR Graph Graph
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 20.3 20.2 20.5 20.5 20.4 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanic (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 279.2 279.8 280.7 280.8 280.1 NALYSIS AI (0) (8020) (NI) (NWTPH- activity) (TD: (C) (Total PO- de) (WAD Cy (MA) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.73 0.65 0.48 0.26 0.53 LLOWED PERMYTPH-G) (MATPH-G) (MATPH-G) (MATPH-G) (Mathematical Permittence of the Company of the C	pH 6.34 6.35 6.38 6.40 6.37 CR BOTTLE NWTPH-GX I-Dx) (TPH-IOD) (Turbid dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 53.4 53.0 52.3 51.7 52.6 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity a) (NH3) (NO3. (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (O/NO2) (Pb) (Mg) (Mn) (non-standard a ase) Cl) (SO4) (NO	nalysis below) WA WA OB WA OB WA OB WA OB WA	Observations OR OR OR OR Graph Graph
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 20.3 20.2 20.5 20.5 20.4 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanical Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 279.2 279.8 280.7 280.8 280.1 NALYSIS AI (0) (8020) (NI) (NWTPH- activity) (TD: (C) (Total PO- de) (WAD Cy (MA) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.73 0.65 0.48 0.26 0.53 LLOWED PERMYTPH-G) (MATPH-G) (MATPH-G) (MATPH-G) (Mathematical Permittence of the Company of the C	pH 6.34 6.35 6.38 6.40 6.37 CR BOTTLE NWTPH-GX I-Dx) (TPH-IOD) (Turbid dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 53.4 53.0 52.3 51.7 52.6 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity a) (NH3) (NO3. (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (O/NO2) (Pb) (Mg) (Mn) (non-standard a ase) Cl) (SO4) (NO	nalysis below) WA WA OB WA OB WA OB WA OB WA	Observations OR OR OR OR Graph Graph
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 20.3 20.2 20.5 20.5 20.4 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 279.2 279.8 280.7 280.8 280.1 NALYSIS AI () (8020) (N () (NWTPH- () (Total PO- () (As) (Sb) ((etals) (As) (Sb) (anne Ethene Ac) () (anne Ethene Ac)	D.O. (mg/L) 0.73 0.65 0.48 0.26 0.53 LLOWED PERMYTPH-G) (D) (NWTPH-SS) (TSS) (Bd) (Total Kie vanide) (Free Ba) (Be) (Ca b) (Ba) (Be) (Ca cetylene	pH 6.34 6.35 6.38 6.40 6.37 CR BOTTLE NWTPH-Gx 1-Dx) (TPH-10D) (Turbindahl Nitroger Cyanide) 1) (Cd) (Co) Ca) (Cd) (Co)	ORP (mV) 53.4 53.0 52.3 51.7 52.6 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity a) (NH3) (NO3. (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gre) (HCO3/CO3) (o'/NO2) (Pb) (Mg) (Mn) (Ni) (b) (Mg) (Mn) (Ni)	non-standard a ase) Cl) (SO4) (NO	nalysis below) WA WA OB WA OB WA OB WA OB WA	Observations OR OR OR OR Graph Graph



Project Name	e:	Boeing Ren	iton		Project Numbe	r <u>:</u>	0025217.099.0	99	
Event:		May-20			Date/Time:	05/12 /2020@	1057		
Sample Num	ıber:	RGW143S-	200512		Weather:	SUNNY			
Landau Repr	esentative:	CEB							
WATER LEV	EL/WELL/PU	JRGE DATA							
Well Conditio	n:	Secure (YES	5)	Damaged (N	(O)	Describe:	Flush Mount		
DTW Before I	Purging (ft)	4.54	Time:	1016	Flow through ce	ll vol.		GW Meter No.(s SLOPE4
Begin Purge:	Date/Time:	05/ 12 /202	1033	End Purge:	Date/Time:	05/ 12 /2020 @	1044	Gallons Purged:	0.25
Purge water di	isposed to:		55-gal Drum		Storage Tank	Ground	Other	SITE TREATM	IENT SYSTEM
	Tr	C1	D.O.		ODD	T1:1:4-	DTW	I	Gt-l
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	
1033	15.4	299.9	0.48	6.28	-3.1		4.54		
1036	15.5	305.9	0.41	6.23	-6.1		4.54	-	
1039	15.4	310.3	0.41	6.17	-7.0		4.54		
1042	15.3	311.3	0.45	6.13	-8.6				
									-
									-
								·	
SAMPLE CO									
Sample Collec	eted With:		Bailer	-		DED BLADDER			
Made of:	Ų	Stainless Ste	el 📙	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proced		Alconox Wa	sh 🔲	Tap Rinse	DI Water	☐ Dedicated			
(By Numerical		Other							
			, sheen, etc.):	LIGHT YEL	LOW COLOR, S	OME RED PARTI	CULATES, NO	ODOR NO SHE	EN
Sample Descri	iption (color, t	turbidity, odor	· -						
			D.O. (mg/L)	LIGHT YEL	LOW COLOR, S ORP (mV)	OME RED PARTION Turbidity (NTU)	DTW (ft)	ODOR NO SHE	EN Comments/ Observations
Sample Descri	iption (color, t	curbidity, odor	D.O.		ORP	Turbidity	DTW	Ferrous iron	Comments/
Sample Descri	Temp (°F/°C)	Cond. (uS/cm) 311.0	D.O. (mg/L)	рН 6.15	ORP (mV)	Turbidity	DTW	Ferrous iron	Comments/
Replicate 1 2	Temp (°F/°C) 15.3	Cond. (uS/cm) 311.0	D.O. (mg/L) 0.45	pH 6.15 6.15	ORP (mV) -9.8 -10.3	Turbidity	DTW	Ferrous iron	Comments/
Replicate 1 2 3	Temp (°F/°C) 15.3 15.3	Cond. (uS/cm) 311.0 310.9	D.O. (mg/L) 0.45 0.46	pH 6.15 6.15 6.15	ORP (mV) -9.8 -10.3	Turbidity	DTW	Ferrous iron	Comments/
Replicate 1 2	Temp (°F/°C) 15.3	Cond. (uS/cm) 311.0	D.O. (mg/L) 0.45	pH 6.15 6.15	ORP (mV) -9.8 -10.3	Turbidity	DTW	Ferrous iron	Comments/
Replicate 1 2 3	Temp (°F/°C) 15.3 15.3	Cond. (uS/cm) 311.0 310.9	D.O. (mg/L) 0.45 0.46	pH 6.15 6.15 6.15	ORP (mV) -9.8 -10.3	Turbidity	DTW	Ferrous iron	Comments/
Replicate 1 2 3 4 Average:	Temp (°F/°C) 15.3 15.3 15.3 15.2	Cond. (uS/cm) 311.0 310.9 311.1 311.0	D.O. (mg/L) 0.45 0.46 0.47 0.46	6.15 6.15 6.15 6.16 6.15	ORP (mV) -9.8 -10.3 -10.7 -11.1 -10.5	Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	Comments/
Replicate 1 2 3 4 Average:	Temp (°F/°C) 15.3 15.3 15.3 15.2 15.3	Cond. (uS/cm) 311.0 310.9 311.1 311.0	D.O. (mg/L) 0.45 0.46 0.47 0.46	6.15 6.15 6.16 6.16 6.15	ORP (mV) -9.8 -10.3 -10.7 -11.1 -10.5 TYPE (Circle a)	Turbidity (NTU) #DIV/0!	DTW (ft)	Ferrous iron (Fe II)	Comments/
Replicate 1 2 3 4 Average:	Temp (°F/°C) 15.3 15.3 15.3 15.2 15.3 TYPICAL A (8260) (8010	Cond. (uS/cm) 311.0 310.9 311.1 311.0 NALYSIS AI (8020) (8020) (N	D.O. (mg/L) 0.45 0.46 0.47 0.46 LLOWED PE	6.15 6.15 6.16 6.16 6.15 RER BOTTLE	ORP (mV) -9.8 -10.3 -10.7 -11.1 -10.5 TYPE (Circle a) (BTEX)	Turbidity (NTU) #DIV/0!	DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 15.3 15.3 15.3 15.2 15.3 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu	Cond. (uS/cm) 311.0 310.9 311.1 311.0 NALYSIS AI () (8020) (NUTPH- ictivity) (TD	D.O. (mg/L) 0.45 0.46 0.47 0.46 LLOWED PENWTPH-G) (D) (NWTPH S) (TSS) (B	6.15 6.15 6.16 6.15 ER BOTTLE NWTPH-GX I-Dx) (TPH-GOD) (Turbic	ORP (mV) -9.8 -10.3 -10.7 -11.1 -10.5 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity	#DIV/0! pplicable or write to (8141) (Oil & Gree) (HCO3/CO3) (O	DTW (ft)	Ferrous iron (Fe II) malysis below) WA WA WA	Comments/ Observations
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 15.3 15.3 15.3 15.2 15.3 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu	Cond. (uS/cm) 311.0 310.9 311.1 311.0 NALYSIS AI 0) (8020) (NI I) (NWTPH- lectivity) (TDC) (Total PO-	D.O. (mg/L) 0.45 0.46 0.47 0.46 LLOWED PENWTPH-G) (D) (NWTPH S) (TSS) (B 4) (Total Kie	pH 6.15 6.15 6.16 6.15 CR BOTTLE NWTPH-Gx I-Dx) (TPH-GX) (TPH-GX) (Turbidahl Nitroger	ORP (mV) -9.8 -10.3 -10.7 -11.1 -10.5 TYPE (Circle a) (BTEX) HCID) (8081)	#DIV/0! pplicable or write to (8141) (Oil & Gree) (HCO3/CO3) (O	DTW (ft)	Ferrous iron (Fe II) malysis below) WA WA WA	Comments/ Observations
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 15.3 15.3 15.3 15.3 15.3 15.2 15.3 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Too	Cond. (uS/cm) 311.0 310.9 311.1 311.0 NALYSIS AI (0) (8020) (NUTPH- lectivity) (TD (C) (Total PO- le) (WAD C)	D.O. (mg/L) 0.45 0.46 0.47 0.46 LLOWED PE WTPH-G) (D) (NWTPH S) (TSS) (B 4) (Total Kie vanide) (Free	pH 6.15 6.15 6.16 6.16 6.15 CR BOTTLE NWTPH-Gx I-Dx) (TPH-GOD) (Turbic dahl Nitroger Cyanide)	ORP (mV) -9.8 -10.3 -10.7 -11.1 -10.5 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity and (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Green) (HCO3/CO3) (O/NO2)	DTW (ft) non-standard and asse) Cl) (SO4) (NO	Ferrous iron (Fe II) malysis below) WA WA WA O (NO2) (F)	Comments/ Observations OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 15.3 15.3 15.3 15.2 15.3 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 311.0 310.9 311.1 311.0 NALYSIS AI (NWTPH- tetivity) (TD (Total PO- le) (WAD Cy (As) (Sb) (D.O. (mg/L) 0.45 0.46 0.47 0.46 LLOWED PE WTPH-G) (D) (NWTPH S) (TSS) (B 4) (Total Kie //anide) (Free Ba) (Be) (Ca	pH 6.15 6.15 6.16 6.15 ER BOTTLE NWTPH-GX L-Dx) (TPH-GOD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -9.8 -10.3 -10.7 -11.1 -10.5 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interpolation of the interpo	DTW (ft) non-standard at ase) Cl) (SO4) (NO	Ferrous iron (Fe II) malysis below) WA WA O O O O O O O O O O O O O O O O O O O	Comments/ Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 15.3 15.3 15.3 15.2 15.3 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M	Cond. (uS/cm) 311.0 310.9 311.1 311.0 NALYSIS AI () (8020) (N I) (NWTPH- () (Total PO- () (Total PO- () (As) (Sb) ((etals) (As) (Sl)	D.O. (mg/L) 0.45 0.46 0.47 0.46 LLOWED PE WTPH-G) (D) (NWTPH S) (TSS) (B 4) (Total Kie //anide) (Free Ba) (Be) (Ca	pH 6.15 6.15 6.16 6.15 ER BOTTLE NWTPH-GX L-Dx) (TPH-GOD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -9.8 -10.3 -10.7 -11.1 -10.5 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interpolation of the interpo	DTW (ft) non-standard at ase) Cl) (SO4) (NO	Ferrous iron (Fe II) malysis below) WA WA O O O O O O O O O O O O O O O O O O O	Comments/ Observations OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 15.3 15.3 15.3 15.3 15.2 15.3 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 311.0 310.9 311.1 311.0 NALYSIS AI () (8020) (N I) (NWTPH- () (Total PO- () (Total PO- () (As) (Sb) ((etals) (As) (Sl)	D.O. (mg/L) 0.45 0.46 0.47 0.46 LLOWED PENWTPH-G) (D) (NWTPH-G) (D) (NWTPH-G) (D) (Total Kievanide) (Free Ba) (Be) (Caroli (Ba) (Be) (Caroli (Caroli (Ba) (Be) (Caroli (Caroli (Ba) (Be) (Caroli (Ba) (Ba) (Ba) (Be) (Caroli (Ba) (Ba) (Ba) (Be) (Caroli (Ba) (Ba) (Ba) (Ba) (Ba) (Ba) (Ba) (Ba)	pH 6.15 6.15 6.16 6.15 ER BOTTLE NWTPH-GX L-Dx) (TPH-GOD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -9.8 -10.3 -10.7 -11.1 -10.5 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interpolation of the interpo	DTW (ft) non-standard at ase) Cl) (SO4) (NO	Ferrous iron (Fe II) malysis below) WA WA O O O O O O O O O O O O O O O O O O O	Comments/ Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 15.3 15.3 15.3 15.3 15.2 15.3 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 311.0 310.9 311.1 311.0 NALYSIS AI () (8020) (N I) (NWTPH- ictivity) (TD C) (Total PO- ice) (WAD Cy () (As) (Sb) (g short list)	D.O. (mg/L) 0.45 0.46 0.47 0.46 LLOWED PENWTPH-G) (D) (NWTPH-G) (D) (NWTPH-G) (D) (Total Kievanide) (Free Ba) (Be) (Caroli (Ba) (Be) (Caroli (Caroli (Ba) (Be) (Caroli (Caroli (Ba) (Be) (Caroli (Ba) (Ba) (Ba) (Be) (Caroli (Ba) (Ba) (Ba) (Be) (Caroli (Ba) (Ba) (Ba) (Ba) (Ba) (Ba) (Ba) (Ba)	pH 6.15 6.15 6.16 6.15 ER BOTTLE NWTPH-GX L-Dx) (TPH-GOD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -9.8 -10.3 -10.7 -11.1 -10.5 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interpolation of the interpo	DTW (ft) non-standard at ase) Cl) (SO4) (NO	Ferrous iron (Fe II) malysis below) WA WA O O O O O O O O O O O O O O O O O O O	Comments/ Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 15.3 15.3 15.3 15.3 15.2 15.3 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 311.0 310.9 311.1 311.0 NALYSIS AI () (8020) (N I) (NWTPH- ictivity) (TD C) (Total PO- ice) (WAD Cy () (As) (Sb) (g short list)	D.O. (mg/L) 0.45 0.46 0.47 0.46 LLOWED PENWTPH-G) (D) (NWTPH-G) (D) (NWTPH-G) (D) (Total Kievanide) (Free Ba) (Be) (Caroli (Ba) (Be) (Caroli (Caroli (Ba) (Be) (Caroli (Caroli (Ba) (Be) (Caroli (Ba) (Ba) (Ba) (Be) (Caroli (Ba) (Ba) (Ba) (Be) (Caroli (Ba) (Ba) (Ba) (Ba) (Ba) (Ba) (Ba) (Ba)	pH 6.15 6.15 6.16 6.15 ER BOTTLE NWTPH-GX L-Dx) (TPH-GOD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -9.8 -10.3 -10.7 -11.1 -10.5 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interpolation of the interpo	DTW (ft) non-standard at ase) Cl) (SO4) (NO	Ferrous iron (Fe II) malysis below) WA WA O O O O O O O O O O O O O O O O O O O	Comments/ Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 15.3 15.3 15.3 15.3 15.2 15.3 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 311.0 310.9 311.1 311.0 NALYSIS AI () (8020) (N I) (NWTPH- ictivity) (TD C) (Total PO- ice) (WAD Cy () (As) (Sb) (g short list)	D.O. (mg/L) 0.45 0.46 0.47 0.46 LLOWED PENWTPH-G) (D) (NWTPH-G) (D) (NWTPH-G) (D) (Total Kievanide) (Free Ba) (Be) (Caroli (Ba) (Be) (Caroli (Caroli (Ba) (Be) (Caroli (Caroli (Ba) (Be) (Caroli (Ba) (Ba) (Ba) (Be) (Caroli (Ba) (Ba) (Ba) (Be) (Caroli (Ba) (Ba) (Ba) (Ba) (Ba) (Ba) (Ba) (Ba)	pH 6.15 6.15 6.16 6.15 ER BOTTLE NWTPH-GX L-Dx) (TPH-GOD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -9.8 -10.3 -10.7 -11.1 -10.5 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interpolation of the interpo	DTW (ft) non-standard at ase) Cl) (SO4) (NO	Ferrous iron (Fe II) malysis below) WA WA O O O O O O O O O O O O O O O O O O O	Comments/ Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 15.3 15.3 15.3 15.2 15.3 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 311.0 310.9 311.1 311.0 NALYSIS AI () (8020) (N I) (NWTPH- ictivity) (TD C) (Total PO- ice) (WAD Cy () (As) (Sb) (g short list)	D.O. (mg/L) 0.45 0.46 0.47 0.46 LLOWED PENWTPH-G) (D) (NWTPH-G) (D) (NWTPH-G) (D) (Total Kievanide) (Free Ba) (Be) (Caroli (Ba) (Be) (Caroli (Caroli (Ba) (Be) (Caroli (Caroli (Ba) (Be) (Caroli (Ba) (Ba) (Ba) (Be) (Caroli (Ba) (Ba) (Ba) (Be) (Caroli (Ba) (Ba) (Ba) (Ba) (Ba) (Ba) (Ba) (Ba)	pH 6.15 6.15 6.16 6.15 ER BOTTLE NWTPH-GX L-Dx) (TPH-GOD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -9.8 -10.3 -10.7 -11.1 -10.5 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interpolation of the interpo	DTW (ft) non-standard at ase) Cl) (SO4) (NO	Ferrous iron (Fe II) malysis below) WA WA O O O O O O O O O O O O O O O O O O O	Comments/ Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 15.3 15.3 15.3 15.2 15.3 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 311.0 310.9 311.1 311.0 NALYSIS AI () (8020) (N I) (NWTPH- ictivity) (TD C) (Total PO- ice) (WAD Cy () (As) (Sb) (g short list)	D.O. (mg/L) 0.45 0.46 0.47 0.46 LLOWED PENWTPH-G) (D) (NWTPH-G) (NWTP	pH 6.15 6.15 6.16 6.15 ER BOTTLE NWTPH-GX L-Dx) (TPH-GOD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -9.8 -10.3 -10.7 -11.1 -10.5 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interpolation of the interpo	DTW (ft) non-standard at ase) Cl) (SO4) (NO	Ferrous iron (Fe II) malysis below) WA WA O O O O O O O O O O O O O O O O O O O	Comments/ Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 15.3 15.3 15.3 15.2 15.3 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 311.0 310.9 311.1 311.0 NALYSIS AI () (8020) (N I) (NWTPH- ictivity) (TD C) (Total PO- ice) (WAD Cy () (As) (Sb) (g short list)	D.O. (mg/L) 0.45 0.46 0.47 0.46 LLOWED PENWTPH-G) (D) (NWTPH-G) (NWTP	pH 6.15 6.15 6.16 6.15 ER BOTTLE NWTPH-GX L-Dx) (TPH-GOD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -9.8 -10.3 -10.7 -11.1 -10.5 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interpolation of the interpo	DTW (ft) non-standard at ase) Cl) (SO4) (NO	Ferrous iron (Fe II) malysis below) WA WA O O O O O O O O O O O O O O O O O O O	Comments/ Observations OR OR OR OR OR OR OR OR OR OR



Project Nam	ne:	Boeing Ren	ton		Project Number	r:	0025217.099.0	99	
Event:		May-20			Date/Time:	05/ 12 /2020@	1243		
Sample Nun	nber:	RGW237S-	200512		Weather:	SUNNY			
Landau Rep	resentative:	CEB			•				
WATERLEV	VEL/WELL/PU	IRGE DATA							
Well Condition		Secure (YES)	Damaged (N	0)	Describe:	Flush Mount		
DTW Before		3.6	Time:		Flow through ce		1 Iushi Mount	GW Meter No.(s	s SI ODE4
	Date/Time:			End Purge:	_	05/ 11 /2020 @	1220	Gallons Purged:	0.3
Purge water d		03/ 12 /2020	55-gal Drum		Storage Tank	Ground		SITE TREATM	-
ruige water o	iisposed to.	-	55-gai Diuiii		Storage Tank	<u></u> Стоина	Other	SHE IKEAIM	ENISISIEM
an:	Temp	Cond.	D.O.	pН	ORP	Turbidity	DTW	Internal Purge	Comments/
Time	(°F/°C) Purge Goal	(uS/cm) ls: Stablizatio	(mg/L) n of Parame	ters for three	(mV)	(NTU) lings 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	
1221	16.0	294.2	1.42	6.32	4.6		3.60		
1224	17.1	319.3	0.68	6.31	1.4		3.60		
1227	18.0	345.2	0.33	6.41	-19.0		3.60		
1230	18.1	351.3	0.24	6.46	-24.4				
1233	18.4	355.1	0.22	6.46	-28.8				
1236	18.4	356.2	0.24	6.45	-34.2				
	-								
SAMPLE CO	DLLECTION I								
Sample Colle			Bailer		Pump/Pump Type	DED BLADDER			
Made of:		Stainless Stee		PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proced		Alconox Was	_	Tap Rinse	₩		□ ouici	Dedicated	
(By Numerica		Other	sn 📋	rap Kinse	DI Water	☐ Dedicated			
(by Numerica	u Orueri								
Cample Deser		-	shoon ataly	I ICHT VEI	LOW CLEAD NO	ODOB NO SHE	ENI		
Sample Descr		-	, sheen, etc.):	LIGHT YEL	LOW CLEAR N	O ODOR NO SHE	EN		
Sample Descri Replicate	ription (color, t	turbidity, odor	D.O.	LIGHT YEL	ORP	Turbidity	DTW	Ferrous iron	Comments/
Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)			Ferrous iron (Fe II)	Comments/ Observations
	ription (color, t	turbidity, odor	D.O.		ORP	Turbidity	DTW		
Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity	DTW		
Replicate	Temp (°F/°C)	Cond. (uS/cm) 355.9	D.O. (mg/L)	рН 6.44	ORP (mV)	Turbidity	DTW		
Replicate 1 2	Temp (°F/°C) 18.5	Cond. (uS/cm) 355.9	D.O. (mg/L) 0.24	pH 6.44 6.44	ORP (mV) -35.7 -35.5	Turbidity	DTW		
Replicate 1 2 3 4	Temp (°F/°C) 18.5 18.5 18.6	Cond. (uS/cm) 355.9 356.0 355.9	D.O. (mg/L) 0.24 0.25 0.25	pH 6.44 6.44 6.44 6.44	ORP (mV) -35.7 -35.5 -36.7 -37.2	Turbidity (NTU)	DTW		
Replicate 1 2 3 4 Average:	Temp (°F/°C) 18.5 18.5 18.6 18.5	Cond. (uS/cm) 355.9 355.9 356.0 355.9	D.O. (mg/L) 0.24 0.25 0.25 0.25	6.44 6.44 6.44 6.44	ORP (mV) -35.7 -35.5 -36.7 -37.2 -36.3	Turbidity (NTU) #DIV/0!	DTW (ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 18.5 18.5 18.6 18.5	Cond. (uS/cm) 355.9 355.9 356.0 355.9 355.9	D.O. (mg/L) 0.24 0.25 0.25 0.25 0.25	6.44 6.44 6.44 6.44 6.44	ORP (mV) -35.7 -35.5 -36.7 -37.2 -36.3 TYPE (Circle ap	Turbidity (NTU)	DTW (ft)	(Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 18.5 18.5 18.6 18.5 TYPICAL A (8260) (8010	Cond. (uS/cm) 355.9 356.0 355.9 355.9 355.9 355.9 0) (8020) (N	D.O. (mg/L) 0.24 0.25 0.25 0.25 0.25 0.25 LOWED PERWIPH-G) (MITPH-G)	6.44 6.44 6.44 6.44 6.44 ER BOTTLE	ORP (mV) -35.7 -35.5 -36.7 -37.2 -36.3 TYPE (Circle apple) (BTEX)	Turbidity (NTU) #DIV/0!	DTW (ft)	nalysis below)	Observations OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 18.5 18.5 18.6 18.5 18.6 (8260) (8010 (8270) (PAF	Cond. (uS/cm) 355.9 356.0 355.9 356.0 355.9 NALYSIS AI 0) (8020) (NH) (NWTPH-	D.O. (mg/L) 0.24 0.25 0.25 0.25 0.25 LOWED PRIVIPH-G) (6.44 6.44 6.44 6.44 6.44 ER BOTTLE (NWTPH-Gx)	ORP (mV) -35.7 -35.5 -36.7 -37.2 -36.3 TYPE (Circle approximately (BTEX)) HCID) (8081)	#DIV/0!	DTW (ft)	(Fe II) nalysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 18.5 18.5 18.6 18.6 18.5 TYPICAL A (8260) (8010) (8270) (PAH (pH) (Condu	Cond. (uS/cm) 355.9 356.0 355.9 356.0 355.9 NALYSIS AI 0) (8020) (N H) (NWTPH-activity) (TDS)	D.O. (mg/L) 0.24 0.25 0.25 0.25 0.25 0.25 LLOWED PERMYPH-G) (NWTPH-S) (TSS) (ESS) (ESS)	6.44 6.44 6.44 6.44 ER BOTTLE (NWTPH-GX) H-Dx) (TPH-GOD) (Turbic	ORP (mV) -35.7 -35.5 -36.7 -37.2 -36.3 TYPE (Circle approximately) (8081) (8081) (400) (Alkalinity)	#DIV/0! pplicable or write to (8141) (Oil & Gree) (HCO3/CO3) (Green and the control of the contr	DTW (ft)	(Fe II) nalysis below) WA WA WA	Observations OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 18.5 18.5 18.6 18.5 18.6 (8260) (8010 (8270) (PAF (pH) (Condu	Cond. (uS/cm) 355.9 355.9 356.0 355.9 355.9 NALYSIS AI 0) (8020) (N H) (NWTPH- activity) (TDS	D.O. (mg/L) 0.24 0.25 0.25 0.25 0.25 0.25 UNTPH-G) (D) (NWTPH-S) (TSS) (E	pH 6.44 6.44 6.44 6.44 ER BOTTLE (NWTPH-Gx) I-Dx) (TPH-BOD) (Turbic dahl Nitroger	ORP (mV) -35.7 -35.5 -36.7 -37.2 -36.3 TYPE (Circle approximately (BTEX)) HCID) (8081)	#DIV/0! pplicable or write to (8141) (Oil & Gree) (HCO3/CO3) (Green and the control of the contr	DTW (ft)	(Fe II) nalysis below) WA WA WA	Observations OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 18.5 18.5 18.5 18.6 18.5 18.6 (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Too (Total Cyanid	Cond. (uS/cm) 355.9 356.0 355.9 356.0 355.9 NALYSIS AI 0) (8020) (N H) (NWTPH- activity) (TDs C) (Total PO- de) (WAD Cy	D.O. (mg/L) 0.24 0.25 0.25 0.25 0.25 0.25 UNTPH-G) (D) (NWTPH-S) (TSS) (Ed.) (Total Kie vanide) (Free vani	pH 6.44 6.44 6.44 6.44 6.44 6.44 CR BOTTLE (NWTPH-Gx) H-Dx) (TPH-BOD) (Turbic Delta)	ORP (mV) -35.7 -35.5 -36.7 -37.2 -36.3 TYPE (Circle ap or (BTEX)) HCID) (8081) (4081) (4081) (4081) (5081)	#DIV/0! #DIV/0! pplicable or write in the interval of the control of the contro	DTW (ft) non-standard an ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O WA O O O O O NO2) (F)	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 18.5 18.5 18.5 18.6 18.5 TYPICAL A (8260) (8010 (8270) (PAH (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 355.9 356.0 355.9 356.0 355.9 NALYSIS AI 0) (8020) (N H) (NWTPH- detivity) (TDS C) (Total PO- de) (WAD Cy) (As) (Sb) (D.O. (mg/L) 0.24 0.25 0.25 0.25 0.25 LOWED PF IWTPH-G) (D) (NWTPF S) (TSS) (E 4) (Total Kie ranide) (Free Ba) (Be) (Ca	pH 6.44 6.44 6.44 6.44 6.44 6.44 6.44 ER BOTTLE (NWTPH-Gx, I-Dx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (Turbic dahl Nitroger et Cyanide) a) (Cd) (Co)	ORP (mV) -35.7 -35.5 -36.7 -37.2 -36.3 TYPE (Circle approximately (BTEX) HCID) (8081) (dity) (Alkalinity) (Alkalinity) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write in the interpretation of the	DTW (ft) non-standard at ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB ON (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 18.5 18.5 18.5 18.6 18.5 TYPICAL A (8260) (8010 (8270) (PAH (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 355.9 356.0 355.9 356.0 355.9 NALYSIS AI 0) (8020) (N H) (NWTPH- lectivity) (TDS C) (Total PO4 de) (WAD Cy) (As) (Sb) (letals) (As) (Sb) (D.O. (mg/L) 0.24 0.25 0.25 0.25 0.25 LOWED PF IWTPH-G) (D) (NWTPF S) (TSS) (E 4) (Total Kie ranide) (Free Ba) (Be) (Ca	pH 6.44 6.44 6.44 6.44 6.44 6.44 6.44 ER BOTTLE (NWTPH-Gx, I-Dx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (Turbic dahl Nitroger et Cyanide) a) (Cd) (Co)	ORP (mV) -35.7 -35.5 -36.7 -37.2 -36.3 TYPE (Circle approximately (BTEX) HCID) (8081) (dity) (Alkalinity) (Alkalinity) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write in the interpretation of the	DTW (ft) non-standard at ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB ON (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 18.5 18.5 18.6 18.5 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 355.9 356.0 355.9 356.0 355.9 NALYSIS AI 0) (8020) (N H) (NWTPH- lectivity) (TDS C) (Total PO4 de) (WAD Cy) (As) (Sb) (letals) (As) (Sb) (D.O. (mg/L) 0.24 0.25 0.25 0.25 0.25 0.25 LOWED PF WTPH-G) (D) (NWTPH-S) (TSS) (E) 4) (Total Kie (ranide) (Free (Fre	pH 6.44 6.44 6.44 6.44 6.44 6.44 6.44 ER BOTTLE (NWTPH-Gx, I-Dx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (Turbic dahl Nitroger et Cyanide) a) (Cd) (Co)	ORP (mV) -35.7 -35.5 -36.7 -37.2 -36.3 TYPE (Circle approximately (BTEX) HCID) (8081) (dity) (Alkalinity) (Alkalinity) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write in the interpretation of the	DTW (ft) non-standard at ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB ON (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 18.5 18.5 18.6 18.5 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 355.9 356.0 355.9 356.0 355.9 NALYSIS AI 0) (8020) (N H) (NWTPH-activity) (TDS C) (Total PO-de) (WAD Cy) (As) (Sb) (etals) (As) (Sb g short list)	D.O. (mg/L) 0.24 0.25 0.25 0.25 0.25 0.25 LOWED PF WTPH-G) (D) (NWTPH-S) (TSS) (E) 4) (Total Kie (ranide) (Free (Fre	pH 6.44 6.44 6.44 6.44 6.44 6.44 6.44 ER BOTTLE (NWTPH-Gx, I-Dx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (Turbic dahl Nitroger et Cyanide) a) (Cd) (Co)	ORP (mV) -35.7 -35.5 -36.7 -37.2 -36.3 TYPE (Circle approximately (BTEX) HCID) (8081) (dity) (Alkalinity) (Alkalinity) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write in the interpretation of the	DTW (ft) non-standard at ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB ON (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 18.5 18.5 18.6 18.5 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 355.9 356.0 355.9 356.0 355.9 NALYSIS AI 0) (8020) (N H) (NWTPH-activity) (TDS C) (Total PO-de) (WAD Cy) (As) (Sb) (etals) (As) (Sb g short list)	D.O. (mg/L) 0.24 0.25 0.25 0.25 0.25 0.25 LOWED PF WTPH-G) (D) (NWTPH-S) (TSS) (E) 4) (Total Kie (ranide) (Free (Fre	pH 6.44 6.44 6.44 6.44 6.44 6.44 6.44 ER BOTTLE (NWTPH-Gx, I-Dx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (Turbic dahl Nitroger et Cyanide) a) (Cd) (Co)	ORP (mV) -35.7 -35.5 -36.7 -37.2 -36.3 TYPE (Circle approximately (BTEX) HCID) (8081) (dity) (Alkalinity) (Alkalinity) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write in the interpretation of the	DTW (ft) non-standard at ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB ON (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 18.5 18.5 18.6 18.5 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 355.9 356.0 355.9 356.0 355.9 NALYSIS AI 0) (8020) (N H) (NWTPH-activity) (TDS C) (Total PO-de) (WAD Cy) (As) (Sb) (etals) (As) (Sb g short list)	D.O. (mg/L) 0.24 0.25 0.25 0.25 0.25 0.25 LOWED PF WTPH-G) (D) (NWTPH-S) (TSS) (E) 4) (Total Kie (ranide) (Free (Fre	pH 6.44 6.44 6.44 6.44 6.44 6.44 6.44 ER BOTTLE (NWTPH-Gx, I-Dx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (Turbic dahl Nitroger et Cyanide) a) (Cd) (Co)	ORP (mV) -35.7 -35.5 -36.7 -37.2 -36.3 TYPE (Circle approximately (BTEX) HCID) (8081) (dity) (Alkalinity) (Alkalinity) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write in the interpretation of the	DTW (ft) non-standard at ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB ON (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 18.5 18.5 18.5 18.6 18.5 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 355.9 356.0 355.9 356.0 355.9 NALYSIS AI 0) (8020) (N H) (NWTPH-activity) (TDS C) (Total PO-de) (WAD Cy) (As) (Sb) (etals) (As) (Sb g short list)	D.O. (mg/L) 0.24 0.25 0.25 0.25 0.25 0.25 LOWED PF WTPH-G) (D) (NWTPH-S) (TSS) (E) 4) (Total Kie (ranide) (Free (Fre	pH 6.44 6.44 6.44 6.44 6.44 6.44 6.44 ER BOTTLE (NWTPH-Gx, I-Dx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (Turbic dahl Nitroger et Cyanide) a) (Cd) (Co)	ORP (mV) -35.7 -35.5 -36.7 -37.2 -36.3 TYPE (Circle approximately (BTEX) HCID) (8081) (dity) (Alkalinity) (Alkalinity) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write in the interpretation of the	DTW (ft) non-standard at ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB ON (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 18.5 18.5 18.5 18.6 18.5 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 355.9 356.0 355.9 356.0 355.9 NALYSIS AI 0) (8020) (N H) (NWTPH-activity) (TDS C) (Total PO-de) (WAD Cy) (As) (Sb) (etals) (As) (Sb g short list)	D.O. (mg/L) 0.24 0.25 0.25 0.25 0.25 0.25 LOWED PF WTPH-G) (D) (NWTPH-S) (TSS) (E) 4) (Total Kie (ranide) (Free (Fre	pH 6.44 6.44 6.44 6.44 6.44 6.44 6.44 ER BOTTLE (NWTPH-Gx, I-Dx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (Turbic dahl Nitroger et Cyanide) a) (Cd) (Co)	ORP (mV) -35.7 -35.5 -36.7 -37.2 -36.3 TYPE (Circle approximately (BTEX) HCID) (8081) (dity) (Alkalinity) (Alkalinity) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write in the interpretation of the	DTW (ft) non-standard at ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB ON (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 18.5 18.5 18.5 18.6 18.5 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 355.9 356.0 355.9 356.0 355.9 NALYSIS AI 0) (8020) (N H) (NWTPH-activity) (TDS C) (Total PO-de) (WAD Cy) (As) (Sb) (etals) (As) (Sb g short list)	D.O. (mg/L) 0.24 0.25 0.25 0.25 0.25 0.25 LOWED PF WTPH-G) (D) (NWTPH-S) (TSS) (E) 4) (Total Kie (ranide) (Free (Fre	pH 6.44 6.44 6.44 6.44 6.44 6.44 6.44 ER BOTTLE (NWTPH-Gx, I-Dx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (Turbic dahl Nitroger et Cyanide) a) (Cd) (Co)	ORP (mV) -35.7 -35.5 -36.7 -37.2 -36.3 TYPE (Circle approximately (BTEX) HCID) (8081) (dity) (Alkalinity) (Alkalinity) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write in the interpretation of the	DTW (ft) non-standard at ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB ON (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR



Event:	ie:	Boeing Ren	ton		Project Number	r:	0025217.099.0	99	
_ , CIII.		May-20			Date/Time:	05/ 12 /2020@	1213		_
Sample Nun	nber:	RGW238I-	200512		Weather:	RAINY			
Landau Rep	resentative:	CEB			-				
WATERIEV	VEL/WELL/PU	IRGE DATA							
Well Condition		Secure (YES)	Damaged (N	0)	Describe:	Flush Mount		
		`	,	-			Tiush Woult	CWM	GLODE 4
DTW Before	0 0 0	3.67	Time:		Flow through cel			GW Meter No.(s	_
	Date/Time:			End Purge:		05/12 /2020 @		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)	tare for three	(mV)	(NTU) lings within the fo	(ft)	Volume (gal) >/= 1 flow	Observations
	+/- 3%	+/- 3%		+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
1147	15.5	445.2	3.00	6.24	8.3		3.65	J	
	- (-				. ——	
1150	16.0	444.5	0.24	5.21	0.1	-	3.65		
1153	16.4	432.5	0.30	6.22	-6.0				
1156	16.5	430.0	0.34	6.22	-7.9				
1159	16.6	424.6	0.57	6.22	-10.5				
1202	16.6	424.0	0.45	6.21	-11.2				
1205		420.4	0.58	6.21	-15.5				
	- (•		
1207		419.8	0.67	6.21	-18.9				
Sample Colle	OLLECTION I		Bailer		Dump/Dump Tup	DED BLADDER			
	cted with.	_	_	PVC		Polyethylene	Other	Dadiastad	
Made of:	. =	Stainless Stee			Teflon		Other	Dedicated	
Decon Proced		Alconox Was	sh 🔲	Tap Rinse	DI Water	☐ Dedicated			
(By Numerica		Other							
Sample Desci	ription (color,	turbidity, odor	, sheen, etc.):	SLIGHT YE	LLOW COLOR.	CLEAR, NO ODO	R NO SHEEN		
		,,,	· · · · · · · · ·		ELG W COLUIN	elling			
Replicate	Temp	Cond.	· -	рН				Ferrous iron	Comments/
Replicate	Temp (°F/°C)		D.O. (mg/L)	pН	ORP (mV)	Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
Replicate 1		Cond.	D.O.	рН 6.21	ORP	Turbidity	DTW		
1	(°F/°C)	Cond. (uS/cm) 419.9	D.O. (mg/L)	6.21	ORP (mV)	Turbidity	DTW		
1 2	(°F/°C) 17.2 17.2	Cond. (uS/cm) 419.9 419.9	D.O. (mg/L) 0.67	6.21	ORP (mV) -19.4 -19.6	Turbidity	DTW		
1 2 3	(°F/°C) 17.2 17.2 17.2	Cond. (uS/cm) 419.9 419.9 420.1	D.O. (mg/L) 0.67 0.68	6.21 6.21 6.21	ORP (mV) -19.4 -19.6 -20.1	Turbidity	DTW		
1 2	(°F/°C) 17.2 17.2	Cond. (uS/cm) 419.9 419.9	D.O. (mg/L) 0.67	6.21	ORP (mV) -19.4 -19.6	Turbidity	DTW		
1 2 3	(°F/°C) 17.2 17.2 17.2	Cond. (uS/cm) 419.9 419.9 420.1	D.O. (mg/L) 0.67 0.68	6.21 6.21 6.21	ORP (mV) -19.4 -19.6 -20.1	Turbidity	DTW		
1 2 3 4	(°F/°C) 17.2 17.2 17.2 17.2 17.2 17.2	Cond. (uS/cm) 419.9 419.9 420.1 420.1 420.0	D.O. (mg/L) 0.67 0.68 0.69 0.70	6.21 6.21 6.21 6.21 6.21	ORP (mV) -19.4 -19.6 -20.1 -20.4 -19.9	Turbidity (NTU)	DTW (ft)	(Fe II)	
1 2 3 4 Average:	(°F/°C) 17.2 17.2 17.2 17.2 17.2 17.2 17.2	Cond. (uS/cm) 419.9 419.9 420.1 420.1 420.0	D.O. (mg/L) 0.67 0.68 0.69 0.70 0.69	6.21 6.21 6.21 6.21 6.21	ORP (mV) -19.4 -19.6 -20.1 -20.4 -19.9 TYPE (Circle ap	Turbidity (NTU) #DIV/0!	DTW (ft)	(Fe II)	
1 2 3 4 Average:	(°F/°C) 17.2 17.2 17.2 17.2 17.2 17.2 TYPICAL A (8260) (8010	Cond. (uS/cm) 419.9 420.1 420.1 420.0 NALYSIS AI 0) (8020) (N	D.O. (mg/L) 0.67 0.68 0.69 0.70 0.69 LOWED PE	6.21 6.21 6.21 6.21 6.21 6.21 RER BOTTLE	ORP (mV) -19.4 -19.6 -20.1 -20.4 -19.9 TYPE (Circle aport) (BTEX)	Turbidity (NTU) #DIV/0!	DTW (ft)	(Fe II)	Observations
1 2 3 4 Average:	(°F/°C) 17.2 17.2 17.2 17.2 17.2 17.2 17.2 (8260) (8010) (8270) (PAH	Cond. (uS/cm) 419.9 419.9 420.1 420.1 420.0 NALYSIS AI 0) (8020) (N	D.O. (mg/L) 0.67 0.68 0.69 0.70 0.69 LOWED PERMITPH-G) (DD) (NWTPH	6.21 6.21 6.21 6.21 6.21 6.21 6.21 FOR BOTTLE NWTPH-GX 1-DX) (TPH-	ORP (mV) -19.4 -19.6 -20.1 -20.4 -19.9 TYPE (Circle aport (Circle	Turbidity (NTU) #DIV/0! pplicable or write	DTW (ft) non-standard a	nalysis below) WA WA WA	Observations OR
1 2 3 4 Average:	(°F/°C) 17.2 17.2 17.2 17.2 17.2 17.2 17.2 17.2 (8260) (8010 (8270) (PAF (pH) (Condu	Cond. (uS/cm) 419.9 419.9 420.1 420.1 420.0 NALYSIS AI 0) (8020) (N H) (NWTPH- activity) (TDS)	D.O. (mg/L) 0.67 0.68 0.69 0.70 0.69 LOWED PERMYPH-G) (MONTPH-G) (NOWTPH-G) (TSS) (ESS) (ESS)	6.21 6.21 6.21 6.21 6.21 6.21 CR BOTTLE NWTPH-GX I-Dx) (TPH-GOD) (Turbio	ORP (mV) -19.4 -19.6 -20.1 -20.4 -19.9 TYPE (Circle aport (Circle	#DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (Green (HCO3/CO3) (Green (HCO3/CO3))	DTW (ft) non-standard a	nalysis below) WA WA WA	Observations OR
1 2 3 4 Average: QUANTITY 5	(°F/°C) 17.2 17.2 17.2 17.2 17.2 17.2 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu	Cond. (uS/cm) 419.9 419.9 420.1 420.1 420.0 NALYSIS AI 0) (8020) (N H) (NWTPH- activity) (TDS)	D.O. (mg/L) 0.67 0.68 0.69 0.70 0.69 LOWED PERMITPH-G) (COD) (NWTPH-G) (COD) (TSS) (ED) (Total Kie	6.21 6.21 6.21 6.21 6.21 6.21 CR BOTTLE NWTPH-Gx, I-Dx) (TPH- BOD) (Turbio dahl Nitroger	ORP (mV) -19.4 -19.6 -20.1 -20.4 -19.9 TYPE (Circle ap (BTEX) HCID) (8081) (dity) (Alkalinity)	#DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (Green (HCO3/CO3) (Green (HCO3/CO3))	DTW (ft) non-standard a	nalysis below) WA WA WA	Observations OR
1 2 3 4 Average: QUANTITY 5	(°F/°C) 17.2 17.2 17.2 17.2 17.2 17.2 TYPICAL A (8260) (8010) (8270) (PAH (pH) (Condu) (COD) (Tool (Total Cyanic	Cond. (uS/cm) 419.9 419.9 420.1 420.1 420.0 NALYSIS AI (0) (8020) (N H) (NWTPH- lectivity) (TDS) (C) (Total PO4 le) (WAD Cy	D.O. (mg/L) 0.67 0.68 0.69 0.70 0.69 LOWED PF WTPH-G) (D) (NWTPH-S) (TSS) (ES) (TSS) (ES) (TSS) (ES)	6.21 6.21 6.21 6.21 6.21 CR BOTTLE NWTPH-Gx, I-Dx) (TPH-GOD) (Turbic dahl Nitroger Cyanide)	ORP (mV) -19.4 -19.6 -20.1 -20.4 -19.9 TYPE (Circle ap (BTEX) HCID) (8081) (8081) (400) (Alkalinity)	#DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (Green (HCO3/CO3) (Green (HCO3/CO3))	DTW (ft) non-standard an ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O WA O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
1 2 3 4 Average: QUANTITY 5	(°F/°C) 17.2 17.2 17.2 17.2 17.2 17.2 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (TOG (Total Cyanid (Total Metals) (Dissolved M	Cond. (uS/cm) 419.9 419.9 420.1 420.0 NALYSIS AI 0) (8020) (N H) (NWTPH- activity) (TDS C) (Total PO- de) (WAD Cy 1) (As) (Sb) ((cetals) (As) (Sb)	D.O. (mg/L) 0.67 0.68 0.69 0.70 0.69 LLOWED PF [WTPH-G] (D) (NWTPH-S) (TSS) (B 4) (Total Kieser anide) (Free Ba) (Be) (Ca	6.21 6.21 6.21 6.21 6.21 CR BOTTLE NWTPH-GX (I-DX) (TPH-GOD) (Turbic dahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -19.4 -19.6 -20.1 -20.4 -19.9 TYPE (Circle aportion (BTEX) HCID) (8081) (dity) (Alkalinity) (NH3) (NO3/	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (O'NO2) (Pb) (Mg) (Mn) (DTW (ft) non-standard at ase) Cl) (SO4) (NO	(Fe II) malysis below) WA WA OB ON (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
1 2 3 4 Average: QUANTITY 5	(°F/°C) 17.2 17.2 17.2 17.2 17.2 17.2 17.2 17.2	Cond. (uS/cm) 419.9 419.9 420.1 420.0 NALYSIS AI (0) (8020) (N H) (NWTPH- (activity) (TDS) (C) (Total PO- (de) (WAD Cy) (As) (Sb) ((etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.67 0.68 0.69 0.70 0.69 LOWED PER (WTPH-G) (INWTPH-G) (INW	6.21 6.21 6.21 6.21 6.21 CR BOTTLE NWTPH-GX (I-DX) (TPH-GOD) (Turbic dahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -19.4 -19.6 -20.1 -20.4 -19.9 TYPE (Circle aportion (BTEX) HCID) (8081) (dity) (Alkalinity) (NH3) (NO3/	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (O'NO2) (Pb) (Mg) (Mn) (DTW (ft) non-standard at ase) Cl) (SO4) (NO	(Fe II) malysis below) WA WA OB ON (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
1 2 3 4 Average: QUANTITY 5	(°F/°C) 17.2 17.2 17.2 17.2 17.2 17.2 17.2 17.2	Cond. (uS/cm) 419.9 419.9 420.1 420.0 NALYSIS AI 0) (8020) (N H) (NWTPH- activity) (TDS C) (Total PO- de) (WAD Cy 1) (As) (Sb) ((cetals) (As) (Sb)	D.O. (mg/L) 0.67 0.68 0.69 0.70 0.69 LOWED PER (WTPH-G) (INWTPH-G) (INW	6.21 6.21 6.21 6.21 6.21 CR BOTTLE NWTPH-GX (I-DX) (TPH-GOD) (Turbic dahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -19.4 -19.6 -20.1 -20.4 -19.9 TYPE (Circle aportion (BTEX) HCID) (8081) (dity) (Alkalinity) (NH3) (NO3/	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (O'NO2) (Pb) (Mg) (Mn) (DTW (ft) non-standard at ase) Cl) (SO4) (NO	(Fe II) malysis below) WA WA OB ON (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
1 2 3 4 Average: QUANTITY 5	(°F/°C) 17.2 17.2 17.2 17.2 17.2 17.2 17.2 17.2	Cond. (uS/cm) 419.9 419.9 420.1 420.0 NALYSIS AI (0) (8020) (N H) (NWTPH- (activity) (TDS) (C) (Total PO- (de) (WAD Cy) (As) (Sb) ((etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.67 0.68 0.69 0.70 0.69 LOWED PER (WTPH-G) (INWTPH-G) (INW	6.21 6.21 6.21 6.21 6.21 CR BOTTLE NWTPH-GX (I-Dx) (TPH-GOD) (Turbic dahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -19.4 -19.6 -20.1 -20.4 -19.9 TYPE (Circle aportion (BTEX) HCID) (8081) (dity) (Alkalinity) (NH3) (NO3/	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (O'NO2) (Pb) (Mg) (Mn) (DTW (ft) non-standard at ase) Cl) (SO4) (NO	(Fe II) malysis below) WA WA OB ON (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
1 2 3 4 Average: QUANTITY 5	(°F/°C) 17.2 17.2 17.2 17.2 17.2 17.2 17.2 17.2	Cond. (uS/cm) 419.9 419.9 420.1 420.0 NALYSIS AI (0) (8020) (N H) (NWTPH- (activity) (TDS) (C) (Total PO- (de) (WAD Cy) (As) (Sb) ((etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.67 0.68 0.69 0.70 0.69 LOWED PER (WTPH-G) (INWTPH-G) (INW	6.21 6.21 6.21 6.21 6.21 CR BOTTLE NWTPH-GX (I-Dx) (TPH-GOD) (Turbic dahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -19.4 -19.6 -20.1 -20.4 -19.9 TYPE (Circle aportion (BTEX) HCID) (8081) (dity) (Alkalinity) (NH3) (NO3/	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (O'NO2) (Pb) (Mg) (Mn) (DTW (ft) non-standard at ase) Cl) (SO4) (NO	(Fe II) malysis below) WA WA OB ON (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
1 2 3 4 Average: QUANTITY 5	(°F/°C) 17.2 17.2 17.2 17.2 17.2 17.2 17.2 17.2	Cond. (uS/cm) 419.9 419.9 420.1 420.0 NALYSIS AI (0) (8020) (N H) (NWTPH- (activity) (TDS) (C) (Total PO- (de) (WAD Cy) (As) (Sb) ((etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.67 0.68 0.69 0.70 0.69 LOWED PER (WTPH-G) (INWTPH-G) (INW	6.21 6.21 6.21 6.21 6.21 CR BOTTLE NWTPH-GX (I-Dx) (TPH-GOD) (Turbic dahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -19.4 -19.6 -20.1 -20.4 -19.9 TYPE (Circle aportion (BTEX) HCID) (8081) (dity) (Alkalinity) (NH3) (NO3/	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (O'NO2) (Pb) (Mg) (Mn) (DTW (ft) non-standard at ase) Cl) (SO4) (NO	(Fe II) malysis below) WA WA OB ON (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
1 2 3 4 Average: QUANTITY 5	(°F/°C) 17.2 17.2 17.2 17.2 17.2 17.2 17.2 17.2	Cond. (uS/cm) 419.9 419.9 420.1 420.0 NALYSIS AI (0) (8020) (N H) (NWTPH- (activity) (TDS) (C) (Total PO- (de) (WAD Cy) (As) (Sb) ((etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.67 0.68 0.69 0.70 0.69 LOWED PER (WTPH-G) (INWTPH-G) (INW	6.21 6.21 6.21 6.21 6.21 CR BOTTLE NWTPH-GX (I-Dx) (TPH-GOD) (Turbic dahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -19.4 -19.6 -20.1 -20.4 -19.9 TYPE (Circle aportion (BTEX) HCID) (8081) (dity) (Alkalinity) (NH3) (NO3/	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (O'NO2) (Pb) (Mg) (Mn) (DTW (ft) non-standard at ase) Cl) (SO4) (NO	(Fe II) malysis below) WA WA OB ON (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
1 2 3 4 Average: QUANTITY 5	(°F/°C) 17.2 17.2 17.2 17.2 17.2 17.2 17.2 17.2	Cond. (uS/cm) 419.9 419.9 420.1 420.0 NALYSIS AI (0) (8020) (N H) (NWTPH- (activity) (TDS) (C) (Total PO- (de) (WAD Cy) (As) (Sb) ((etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.67 0.68 0.69 0.70 0.69 LOWED PER (WTPH-G) (INWTPH-G) (INW	6.21 6.21 6.21 6.21 6.21 CR BOTTLE NWTPH-GX (I-Dx) (TPH-GOD) (Turbic dahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -19.4 -19.6 -20.1 -20.4 -19.9 TYPE (Circle aportion (BTEX) HCID) (8081) (dity) (Alkalinity) (NH3) (NO3/	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (O'NO2) (Pb) (Mg) (Mn) (DTW (ft) non-standard at ase) Cl) (SO4) (NO	(Fe II) malysis below) WA WA OB ON (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR



Project Nam	ne:	Boeing Ren	ton		Project Numbe	r:	0025217.099.0	99	
Event:		May-20			Date/Time:	05/12 /2020@	1123		_
Sample Nun	nber:	RGW239I-	200512		Weather:	RAINY			
Landau Rep	resentative:	CEB			•				
WATERIEV	VEL/WELL/PU	IRGE DATA							
Well Condition		Secure (YES)	Damaged (N	(A)	Describe:	Flush Mount		
		`	^				Tiush Would	CW Matan Na (e CL ODE4
DTW Before	0 0 0	4.42	Time:		Flow through ce			GW Meter No.(s	_
	Date/Time:			End Purge:		05/ 12 /2020 @		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)	tors for throo	(mV)	(NTU) lings within the fo	(ft)	Volume (gal) >/= 1 flow	Observations
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
1058	16.1	274.2	0.52	6.13	4.9		4.98	J	
		-							
1101	15.7	303.2	0.40	6.11	-4.5		4.78		
1104	15.7	310.0	0.45	6.17	-11.5		4.78		
1107	15.7	312.7	0.51	6.20	-15.2				
1110	15.9	316.5	0.66	6.23	-22.8				
1113	15.9	316.6	0.66	6.23	-23.2				
1116		316.7	0.71	6.23	-25.6				
							•		
1118		316.6	0.72	6.23	-26.1				
Sample Colle	OLLECTION D		Bailer		Dump/Dump Tym	DED BLADDER			
•	cted with.	_		PVC			Other	Dadiastad	
Made of:	. =	Stainless Stee			Teflon	Polyethylene	Other	Dedicated	
Decon Proced		Alconox Was	sh 🔲	Tap Rinse	DI Water	☐ Dedicated			
(R) Namonico									
. •	al Order)	Other							
. •		-	, sheen, etc.):	CLEAR CO	LORLESS NO O	OOR NO SHEEN			
Sample Descri	ription (color,	turbidity, odor	· · · · · · · · · · · · · · · ·				DTW	Ferrous iron	Comments/
. •		-	D.O. (mg/L)	CLEAR COI	ORP (mV)	Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
Sample Descri	ription (color, t	turbidity, odor	D.O.		ORP	Turbidity			
Sample Describerate Replicate	Temp (°F/°C)	Cond. (uS/cm) 316.5	D.O. (mg/L)	рН 6.24	ORP (mV)	Turbidity			
Replicate 1 2	Temp (°F/°C) 15.8	Cond. (uS/cm) 316.5	D.O. (mg/L) 0.73	pH 6.24 6.23	ORP (mV) -26.7 -27.0	Turbidity			
Replicate 1 2 3	Temp (°F/°C) 15.8 15.7	Cond. (uS/cm) 316.5 316.5 316.5	D.O. (mg/L) 0.73 0.74	6.24 6.23 6.23	ORP (mV) -26.7 -27.0	Turbidity			
Replicate 1 2	Temp (°F/°C) 15.8	Cond. (uS/cm) 316.5	D.O. (mg/L) 0.73	pH 6.24 6.23	ORP (mV) -26.7 -27.0	Turbidity			
Replicate 1 2 3	Temp (°F/°C) 15.8 15.7	Cond. (uS/cm) 316.5 316.5 316.5	D.O. (mg/L) 0.73 0.74	6.24 6.23 6.23	ORP (mV) -26.7 -27.0	Turbidity			
Replicate 1 2 3 4	Temp (°F/°C) 15.8 15.7 15.7 15.7	Cond. (uS/cm) 316.5 316.5 316.4 316.5	D.O. (mg/L) 0.73 0.74 0.74 0.74	6.24 6.23 6.23 6.24 6.24	ORP (mV) -26.7 -27.0 -27.2 -27.6 -27.1	Turbidity (NTU)	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 15.8 15.7 15.7 15.7 15.7	Cond. (uS/cm) 316.5 316.5 316.4 316.5	D.O. (mg/L) 0.73 0.74 0.74 0.74 0.74 1.74 0.74	6.24 6.23 6.23 6.24 6.24 6.24	ORP (mV) -26.7 -27.0 -27.2 -27.6 -27.1 TYPE (Circle a)	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 15.8 15.7 15.7 15.7 15.7 TYPICAL A (8260) (8010	Cond. (uS/cm) 316.5 316.5 316.5 316.5 316.5 316.5 0) (8020) (N	D.O. (mg/L) 0.73 0.74 0.74 0.74 0.74 CLOWED PERWIPH-G) (MITPH-G)	6.24 6.23 6.23 6.24 6.24 6.24 ER BOTTLE (NWTPH-GX)	ORP (mV) -26.7 -27.0 -27.6 -27.1 TYPE (Circle approximate) (BTEX)	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 15.8 15.7 15.7 15.7 15.7 (8260) (8010 (8270) (PAF	Cond. (uS/cm) 316.5 316.5 316.5 316.5 NALYSIS AI 0) (8020) (NH) (NWTPH-	D.O. (mg/L) 0.73 0.74 0.74 0.74 0.74 LLOWED PRIWTPH-G) (DD) (NWTPH	6.24 6.23 6.24 6.24 6.24 6.24 ER BOTTLE (NWTPH-Gx) H-Dx) (TPH-	ORP (mV) -26.7 -27.0 -27.2 -27.6 -27.1 TYPE (Circle a) (BTEX) 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) 15.8 15.7 15.7 15.7 15.7 (8260) (8010 (8270) (PAH (pH) (Condu	Cond. (uS/cm) 316.5 316.5 316.5 316.5 316.5 NALYSIS AI 0) (8020) (N H) (NWTPH-activity) (TDS)	D.O. (mg/L) 0.73 0.74 0.74 0.74 0.74 LLOWED PERWYPH-G) (NWTPH-S) (TSS) (ESS) (ESS)	6.24 6.23 6.24 6.24 6.24 6.24 ER BOTTLE (NWTPH-Gx) H-Dx) (TPH-GOD) (Turbio	ORP (mV) -26.7 -27.0 -27.2 -27.6 -27.1 TYPE (Circle a) (BTEX) HCID) (8081)	#DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (6	non-standard a	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 15.8 15.7 15.7 15.7 15.7 15.7 (8260) (8010 (8270) (PAF (pH) (Condu	Cond. (uS/cm) 316.5 316.5 316.5 316.5 316.5 NALYSIS AI 0) (8020) (N H) (NWTPH-activity) (TDS)	D.O. (mg/L) 0.73 0.74 0.74 0.74 0.74 LLOWED PERWITPH-G) (D) (NWTPH-S) (TSS) (Ed) (Total Kie	6.24 6.23 6.24 6.24 6.24 6.24 ER BOTTLE (NWTPH-Gx) H-Dx) (TPH-BOD) (Turbio dahl Nitroger	ORP (mV) -26.7 -27.0 -27.2 -27.6 -27.1 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity	#DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (6	non-standard a	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 15.8 15.7 15.7 15.7 15.7 15.7 (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Tool (Total Cyanic	Cond. (uS/cm) 316.5 316.5 316.5 316.5 316.5 (uS/cm) 316.5 (uS/cm) 316.5 (uS/cm) 316.5 (uS/cm)	D.O. (mg/L) 0.73 0.74 0.74 0.74 0.74 CLOWED PP WTPH-G) (D) (NWTPF S) (TSS) (E 4) (Total Kie vanide) (Free	6.24 6.23 6.23 6.24 6.24 6.24 6.24 6.24 CR BOTTLE (NWTPH-Gx) H-Dx) (TPH-BOD) (Turbic Deck and Nitroger Cyanide)	ORP (mV) -26.7 -27.0 -27.2 -27.6 -27.1 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (Mixing a) (NH3) (NO3)	#DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (6	non-standard at ase)	(Fe II) nalysis below) WA WA O WA O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 15.8 15.7 15.7 15.7 15.7 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M	Cond. (uS/cm) 316.5 316.5 316.5 316.5 316.5 NALYSIS AI 0) (8020) (N H) (NWTPH- uctivity) (TDS C) (Total PO- de) (WAD Cy) (As) (Sb) (etals) (As) (Sb) (D.O. (mg/L) 0.73 0.74 0.74 0.74 0.74 CLOWED PP IWTPH-G) (D) (NWTPH-S) (TSS) (E-S) (TSS) (TSS) (TSS) (TSS) (TSS) (TSS) (TSS) (TSS)	6.24 6.23 6.24 6.24 6.24 6.24 ER BOTTLE (NWTPH-Gx) H-Dx) (TPH- BOD) (Turbic dahl Nitroger e Cyanide) a) (Cd) (Co)	ORP (mV) -26.7 -27.0 -27.2 -27.6 -27.1 TYPE (Circle approximately) (8081) (8081) (400) (8081) (400) (8081) (400) (8081) (8	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (GNO2) (Pb) (Mg) (Mn) (non-standard and ase) CI) (SO4) (NO	(Fe II) malysis below) WA WA OB ON (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 15.8 15.7 15.7 15.7 15.7 (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 316.5 316.5 316.5 316.5 316.5 NALYSIS AI 0) (8020) (N H) (NWTPH-activity) (TDS C) (Total PO-de) (WAD Cy) (As) (Sb) (etals) (As) (Sb g short list)	D.O. (mg/L) 0.73 0.74 0.74 0.74 0.74 1.LOWED PF WTPH-G) (D) (NWTPH-S) (TSS) (E) (Total Kie (ranide) (Free	6.24 6.23 6.24 6.24 6.24 6.24 ER BOTTLE (NWTPH-Gx) H-Dx) (TPH- BOD) (Turbic dahl Nitroger e Cyanide) a) (Cd) (Co)	ORP (mV) -26.7 -27.0 -27.2 -27.6 -27.1 TYPE (Circle approximately) (8081) (8081) (400) (8081) (400) (8081) (400) (8081) (8	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (GNO2) (Pb) (Mg) (Mn) (non-standard and ase) CI) (SO4) (NO	(Fe II) malysis below) WA WA OB ON (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 15.8 15.7 15.7 15.7 15.7 (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 316.5 316.5 316.5 316.5 316.5 NALYSIS AI 0) (8020) (N H) (NWTPH- uctivity) (TDS C) (Total PO- de) (WAD Cy) (As) (Sb) (etals) (As) (Sb) (D.O. (mg/L) 0.73 0.74 0.74 0.74 0.74 1.LOWED PF WTPH-G) (D) (NWTPH-S) (TSS) (E) (Total Kie (ranide) (Free	6.24 6.23 6.24 6.24 6.24 6.24 ER BOTTLE (NWTPH-Gx) H-Dx) (TPH- BOD) (Turbic dahl Nitroger e Cyanide) a) (Cd) (Co)	ORP (mV) -26.7 -27.0 -27.2 -27.6 -27.1 TYPE (Circle approximately) (8081) (8081) (400) (8081) (400) (8081) (400) (8081) (8	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (GNO2) (Pb) (Mg) (Mn) (non-standard and ase) CI) (SO4) (NO	(Fe II) malysis below) WA WA OB ON (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 15.8 15.7 15.7 15.7 15.7 (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 316.5 316.5 316.5 316.5 316.5 NALYSIS AI 0) (8020) (N H) (NWTPH-activity) (TDS C) (Total PO-de) (WAD Cy) (As) (Sb) (etals) (As) (Sb g short list)	D.O. (mg/L) 0.73 0.74 0.74 0.74 0.74 1.LOWED PF WTPH-G) (D) (NWTPH-S) (TSS) (E) (Total Kie (ranide) (Free	6.24 6.23 6.24 6.24 6.24 6.24 ER BOTTLE (NWTPH-Gx) H-Dx) (TPH- BOD) (Turbic dahl Nitroger e Cyanide) a) (Cd) (Co)	ORP (mV) -26.7 -27.0 -27.2 -27.6 -27.1 TYPE (Circle approximately) (8081) (8081) (400) (8081) (400) (8081) (400) (8081) (8	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (GNO2) (Pb) (Mg) (Mn) (non-standard and ase) CI) (SO4) (NO	(Fe II) malysis below) WA WA OB ON (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 15.8 15.7 15.7 15.7 15.7 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 316.5 316.5 316.5 316.5 316.5 NALYSIS AI 0) (8020) (N H) (NWTPH-activity) (TDS C) (Total PO-de) (WAD Cy) (As) (Sb) (etals) (As) (Sb g short list)	D.O. (mg/L) 0.73 0.74 0.74 0.74 0.74 1.LOWED PF WTPH-G) (D) (NWTPH-S) (TSS) (E) (Total Kie (ranide) (Free	6.24 6.23 6.24 6.24 6.24 6.24 ER BOTTLE (NWTPH-Gx) H-Dx) (TPH- BOD) (Turbic dahl Nitroger e Cyanide) a) (Cd) (Co)	ORP (mV) -26.7 -27.0 -27.2 -27.6 -27.1 TYPE (Circle approximately) (8081) (8081) (400) (8081) (400) (8081) (400) (8081) (8	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (GNO2) (Pb) (Mg) (Mn) (non-standard and ase) CI) (SO4) (NO	(Fe II) malysis below) WA WA OB ON (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 15.8 15.7 15.7 15.7 15.7 (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 316.5 316.5 316.5 316.5 316.5 NALYSIS AI 0) (8020) (N H) (NWTPH-activity) (TDS C) (Total PO-de) (WAD Cy) (As) (Sb) (etals) (As) (Sb g short list)	D.O. (mg/L) 0.73 0.74 0.74 0.74 0.74 1.LOWED PF WTPH-G) (D) (NWTPH-S) (TSS) (E) (Total Kie (ranide) (Free	6.24 6.23 6.24 6.24 6.24 6.24 ER BOTTLE (NWTPH-Gx) H-Dx) (TPH- BOD) (Turbic dahl Nitroger e Cyanide) a) (Cd) (Co)	ORP (mV) -26.7 -27.0 -27.2 -27.6 -27.1 TYPE (Circle approximately) (8081) (8081) (400) (8081) (400) (8081) (400) (8081) (8	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (GNO2) (Pb) (Mg) (Mn) (non-standard and ase) CI) (SO4) (NO	(Fe II) malysis below) WA WA OB ON (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 15.8 15.7 15.7 15.7 15.7 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Tod (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 316.5 316.5 316.5 316.5 316.5 NALYSIS AI 0) (8020) (N H) (NWTPH-activity) (TDS C) (Total PO-de) (WAD Cy) (As) (Sb) (etals) (As) (Sb g short list)	D.O. (mg/L) 0.73 0.74 0.74 0.74 0.74 1.LOWED PF WTPH-G) (D) (NWTPH-S) (TSS) (E) (Total Kie (ranide) (Free	6.24 6.23 6.24 6.24 6.24 6.24 ER BOTTLE (NWTPH-Gx) H-Dx) (TPH- BOD) (Turbic dahl Nitroger e Cyanide) a) (Cd) (Co)	ORP (mV) -26.7 -27.0 -27.2 -27.6 -27.1 TYPE (Circle approximately) (8081) (8081) (400) (8081) (400) (8081) (400) (8081) (8	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (GNO2) (Pb) (Mg) (Mn) (non-standard and ase) CI) (SO4) (NO	(Fe II) malysis below) WA WA OB ON (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 15.8 15.7 15.7 15.7 15.7 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Tod (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 316.5 316.5 316.5 316.5 316.5 NALYSIS AI 0) (8020) (N H) (NWTPH-activity) (TDS C) (Total PO-2 de) (WAD Cy de) (As) (Sb) (fetals) (As) (Sb ag short list) tame Ethene Ac	D.O. (mg/L) 0.73 0.74 0.74 0.74 0.74 1.LOWED PF WTPH-G) (D) (NWTPH-S) (TSS) (E) (Total Kie (ranide) (Free	6.24 6.23 6.24 6.24 6.24 6.24 ER BOTTLE (NWTPH-Gx) H-Dx) (TPH- BOD) (Turbic dahl Nitroger e Cyanide) a) (Cd) (Co)	ORP (mV) -26.7 -27.0 -27.2 -27.6 -27.1 TYPE (Circle approximately) (8081) (8081) (400) (8081) (400) (8081) (400) (8081) (8	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (GNO2) (Pb) (Mg) (Mn) (non-standard and ase) CI) (SO4) (NO	(Fe II) malysis below) WA WA OB ON (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR



Project Nam	ie:	Boeing Ren	ton		Project Numbe	r:	0025217.099.0	99	
Event:		May-20			Date/Time:	05/ 12 /2020@	1027		
Sample Nun	nber:	RGW240D-	200512		Weather:	CLOUDY			
Landau Rep	resentative:	CEB			•				
WATEDIEV	VEL/WELL/PU	IDGE DATA							
Well Condition		Secure (YES))	Damaged (N	0)	Describe:	Flush Mount		
		` '	,				Flush Mount	CWM N	CL ODE 4
DTW Before	0 0 0	5.43	Time:		Flow through ce		1024	GW Meter No.(s	
	Date/Time:			End Purge:		05/ 12 /2020 @	_	Gallons Purged:	0.3
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)	tous fou thus	(mV)	(NTU)	(ft)	Volume (gal)	Observations
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	lings within the fo +/- 10%	< 0.3 ft	>/= 1 flow through cell	
1003			0.48		12.1	, 20,0	5.71	v. g v	
		316.3		6.21					
1006	16.3	316.4	0.50	6.27	4.6		5.63		
1009	16.6	317.0	0.51	6.29	1.5		5.43		- <u></u>
1012	16.8	317.2	0.59	6.34	-9.2		5.43		
1015	16.7	316.4	0.63	6.36	-16.2				
1018		315.3	0.67	6.36	-21.4				
1021	16.8	314.8	0.70	6.36	-27.0				
1023		314.2	0.72	6.37	-30.2				
	LLECTION I								
Sample Colle	cted With:		Bailer	_		DED BLADDER		_	
Made of:		Stainless Stee	el 🔲	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proceed	dure:	Alconox Was	sh 🔲	Tap Rinse	DI Water	Dedicated			
(By Numerica	ıl Order)	Other							
		4							
Sample Descr	ription (color,	-	, sheen, etc.):		CLEAR COLOR	RLESS NO ODOR	NO SHEEN		
	ription (color,	turbidity, odor	· · · · · · · · · · · · · · · · · · ·						
Sample Descri Replicate	ription (color, t	turbidity, odor	D.O.	рН	ORP	Turbidity	DTW	Ferrous iron (Fe II)	Comments/ Observations
Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)			Ferrous iron (Fe II)	Comments/ Observations
Replicate	Temp (°F/°C)	Cond. (uS/cm) 314.0	D.O. (mg/L)	рН 6.37	ORP (mV)	Turbidity	DTW		
Replicate	Temp (°F/°C)	Cond. (uS/cm) 314.0	D.O. (mg/L)	pН	ORP (mV)	Turbidity	DTW		
Replicate	Temp (°F/°C)	Cond. (uS/cm) 314.0	D.O. (mg/L)	рН 6.37	ORP (mV)	Turbidity	DTW		
Replicate 1 2	Temp (°F/°C) 16.7	Cond. (uS/cm) 314.0	D.O. (mg/L) 0.72	pH 6.37 6.37	ORP (mV) -31.0	Turbidity	DTW		
Replicate 1 2 3	Temp (°F/°C) 16.7 16.7	Cond. (uS/cm) 314.0 313.9	D.O. (mg/L) 0.72 0.72	pH 6.37 6.37 6.36	ORP (mV) -31.0 -31.4 -31.9	Turbidity	DTW		
Replicate 1 2 3 4 Average:	Temp (°F/°C) 16.7 16.7 16.7	Cond. (uS/cm) 314.0 314.0 314.0 314.0 314.0 314.0	D.O. (mg/L) 0.72 0.72 0.73 0.74	6.37 6.37 6.36 6.37 6.37	ORP (mV) -31.0 -31.4 -31.9 -32.5 -31.7	Turbidity (NTU) #DIV/0!	DTW (ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 16.7 16.7 16.7 16.7 174 174 174 174 174 174 174 174 174 17	Cond. (uS/cm) 314.0 314.0 314.0 314.0 314.0 NALYSIS AI	D.O. (mg/L) 0.72 0.72 0.73 0.74 0.73	6.37 6.37 6.36 6.37 6.37 6.37	ORP (mV) -31.0 -31.4 -31.9 -32.5 -31.7 TYPE (Circle a)	Turbidity (NTU)	DTW (ft)	(Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 16.7 16.7 16.7 16.7 16.7 16.7 (8260) (8010	Cond. (uS/cm) 314.0 313.9 314.0 314.0 NALYSIS AI (0) (8020) (N	D.O. (mg/L) 0.72 0.72 0.73 0.74 0.73 LOWED PERWYPH-G) (WTPH-G)	6.37 6.37 6.36 6.37 6.37 6.37 ER BOTTLE (NWTPH-GX	ORP (mV) -31.0 -31.4 -31.9 -32.5 -31.7 TYPE (Circle a) (BTEX)	Turbidity (NTU) #DIV/0!	DTW (ft)	nalysis below)	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 16.7 16.7 16.7 16.7 16.7 (8260) (8010 (8270) (PAF	Cond. (uS/cm) 314.0 314.0 314.0 314.0 314.0 NALYSIS AI 0) (8020) (NH) (NWTPH-I	D.O. (mg/L) 0.72 0.72 0.73 0.74 0.73 LOWED PRIVIPH-G) (D) (NWTPH	6.37 6.36 6.37 6.37 6.37 6.37 6.37 ER BOTTLE (NWTPH-GX) H-DX) (TPH-	ORP (mV) -31.0 -31.4 -31.9 -32.5 -31.7 TYPE (Circle a) (BTEX) HCID) (8081)	Turbidity (NTU) #DIV/0!	DTW (ft)	nalysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 16.7 16.7 16.7 16.7 16.7 (8260) (8010 (8270) (PAH (pH) (Condu	Cond. (uS/cm) 314.0 314.0 314.0 314.0 314.0 314.0 NALYSIS AI 0) (8020) (N H) (NWTPH-lactivity) (TDS	D.O. (mg/L) 0.72 0.72 0.73 0.74 0.73 LOWED PERMYPH-G) (NWTPH-G) (NWTPH-G) (TSS) (ESS) (ESS)	6.37 6.37 6.36 6.37 6.37 6.37 ER BOTTLE (NWTPH-GX) H-Dx) (TPH-GX) (TPH-GX) (TPH-GX) (TPH-GX) (TPH-GX)	ORP (mV) -31.0 -31.4 -31.9 -32.5 -31.7 TYPE (Circle a) (BTEX) HCID) (8081)	#DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (6	DTW (ft)	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 16.7 16.7 16.7 16.7 16.7 (8260) (8010 (8270) (PAF (pH) (Condu (COD) (TOO	Cond. (uS/cm) 314.0 314.0 314.0 314.0 314.0 314.0 NALYSIS AI 0) (8020) (N H) (NWTPH-lactivity) (TDS	D.O. (mg/L) 0.72 0.72 0.73 0.74 0.73 LLOWED PER INTPH-G) (D) (NWTPH-S) (TSS) (E	6.37 6.37 6.36 6.37 6.37 6.37 6.37 6.37	ORP (mV) -31.0 -31.4 -31.9 -32.5 -31.7 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity	#DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (6	DTW (ft)	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 16.7 16.7 16.7 16.7 16.7 16.7 (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Too (Total Cyanic	Cond. (uS/cm) 314.0 314.0 313.9 314.0 314.0 NALYSIS AI 0) (8020) (N H) (NWTPH-lactivity) (TDS	D.O. (mg/L) 0.72 0.72 0.73 0.74 0.73 LLOWED PP (WTPH-G) (D) (NWTPH-G) (TSS) (ES) (ES) (FSS) (ES) (FROM THE CONTROLLE) (TOTAL Kielentide) (Freedmande) (Freedmande) (Freedmande) (Freedmande)	6.37 6.37 6.36 6.37 6.37 6.37 6.37 6.37	ORP (mV) -31.0 -31.4 -31.9 -32.5 -31.7 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity a) (NH3) (NO3	#DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (6	DTW (ft) non-standard and asse) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O WA O O O O O NO2) (F)	Observations OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 16.7 16.7 16.7 16.7 16.7 16.7 (8260) (8010 (8270) (PAH (PH) (Condu (COD) (Total Cyanid (Total Metals))	Cond. (uS/cm) 314.0 314.0 314.0 314.0 314.0 NALYSIS AI (0) (8020) (N H) (NWTPH- (activity) (TDS) (C) (Total PO4 (de) (WAD Cy (de) (As) (Sb) (D.O. (mg/L) 0.72 0.73 0.74 0.73 LLOWED PP (WTPH-G) (D) (NWTPH-GS) (TSS) (E4) (Total Kiesen and Companies) (Free Ba) (Be) (Carallel	6.37 6.37 6.36 6.37 6.37 6.37 ER BOTTLE (NWTPH-Gx, H-Dx) (TPH-Gx) (TPH-Gx) (Turbic dahl Nitroger et Cyanide) a) (Cd) (Co)	ORP (mV) -31.0 -31.4 -31.9 -32.5 -31.7 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) (O'NO2) (Pb) (Mg) (Mn) (DTW (ft) non-standard at ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB ON (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 16.7 16.7 16.7 16.7 16.7 16.7 (8260) (8010 (8270) (PAH (PH) (Condu (COD) (Total Cyanid (Total Metals))	Cond. (uS/cm) 314.0 314.0 314.0 314.0 314.0 NALYSIS AI 0) (8020) (N H) (NWTPH-lectivity) (TDS C) (Total PO4 de) (WAD Cy de) (As) (Sb) (Setals) (As) (Sb) (Setals) (As) (Sb)	D.O. (mg/L) 0.72 0.73 0.74 0.73 LLOWED PP (WTPH-G) (D) (NWTPH-GS) (TSS) (E4) (Total Kiesen and Companies) (Free Ba) (Be) (Carallel	6.37 6.37 6.36 6.37 6.37 6.37 ER BOTTLE (NWTPH-Gx, H-Dx) (TPH-Gx) (TPH-Gx) (Turbic dahl Nitroger et Cyanide) a) (Cd) (Co)	ORP (mV) -31.0 -31.4 -31.9 -32.5 -31.7 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) (O'NO2) (Pb) (Mg) (Mn) (DTW (ft) non-standard at ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB ON (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 16.7 16.7 16.7 16.7 16.7 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 314.0 314.0 314.0 314.0 314.0 NALYSIS AI 0) (8020) (N H) (NWTPH-lectivity) (TDS C) (Total PO4 de) (WAD Cy de) (As) (Sb) (Setals) (As) (Sb) (Setals) (As) (Sb)	D.O. (mg/L) 0.72 0.72 0.73 0.74 0.73 LOWED PF WTPH-G) (D) (NWTPH-G) (Total Kie (ranide) (Free (Ba) (Be) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca	6.37 6.37 6.36 6.37 6.37 6.37 ER BOTTLE (NWTPH-Gx, H-Dx) (TPH-Gx) (TPH-Gx) (Turbic dahl Nitroger et Cyanide) a) (Cd) (Co)	ORP (mV) -31.0 -31.4 -31.9 -32.5 -31.7 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) (O'NO2) (Pb) (Mg) (Mn) (DTW (ft) non-standard at ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB ON (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 16.7 16.7 16.7 16.7 16.7 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 314.0 314.0 314.0 314.0 314.0 314.0 NALYSIS AI 0) (8020) (N H) (NWTPH-Inctivity) (TDS C) (Total PO4 de) (WAD Cy 1) (As) (Sb) (Set als) (As) (As) (Set als) (As) (As) (As) (As) (As) (As) (As) (A	D.O. (mg/L) 0.72 0.72 0.73 0.74 0.73 LOWED PF WTPH-G) (D) (NWTPH-G) (Total Kie (ranide) (Free (Ba) (Be) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca	6.37 6.37 6.36 6.37 6.37 6.37 ER BOTTLE (NWTPH-Gx, H-Dx) (TPH-Gx) (TPH-Gx) (Turbic dahl Nitroger et Cyanide) a) (Cd) (Co)	ORP (mV) -31.0 -31.4 -31.9 -32.5 -31.7 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) (O'NO2) (Pb) (Mg) (Mn) (DTW (ft) non-standard at ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB ON (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 16.7 16.7 16.7 16.7 16.7 16.7 16.7 (8260) (8010 (8270) (PAF (PH) (Condu (COD) (Total Cyanida (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 314.0 314.0 314.0 314.0 314.0 314.0 NALYSIS AI 0) (8020) (N H) (NWTPH-Inctivity) (TDS C) (Total PO4 de) (WAD Cy 1) (As) (Sb) (Set als) (As) (As) (Set als) (As) (As) (As) (As) (As) (As) (As) (A	D.O. (mg/L) 0.72 0.72 0.73 0.74 0.73 LOWED PF WTPH-G) (D) (NWTPH-G) (Total Kie (ranide) (Free (Ba) (Be) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca	6.37 6.37 6.36 6.37 6.37 6.37 ER BOTTLE (NWTPH-Gx, H-Dx) (TPH-Gx) (TPH-Gx) (Turbic dahl Nitroger et Cyanide) a) (Cd) (Co)	ORP (mV) -31.0 -31.4 -31.9 -32.5 -31.7 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) (O'NO2) (Pb) (Mg) (Mn) (DTW (ft) non-standard at ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB ON (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 16.7 16.7 16.7 16.7 16.7 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 314.0 314.0 314.0 314.0 314.0 314.0 NALYSIS AI 0) (8020) (N H) (NWTPH-Inctivity) (TDS C) (Total PO4 de) (WAD Cy 1) (As) (Sb) (Set als) (As) (As) (Set als) (As) (As) (As) (As) (As) (As) (As) (A	D.O. (mg/L) 0.72 0.72 0.73 0.74 0.73 LOWED PF WTPH-G) (D) (NWTPH-G) (Total Kie (ranide) (Free (Ba) (Be) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca	6.37 6.37 6.36 6.37 6.37 6.37 ER BOTTLE (NWTPH-Gx, H-Dx) (TPH-Gx) (TPH-Gx) (Turbic dahl Nitroger et Cyanide) a) (Cd) (Co)	ORP (mV) -31.0 -31.4 -31.9 -32.5 -31.7 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) (O'NO2) (Pb) (Mg) (Mn) (DTW (ft) non-standard at ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB ON (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 16.7 16.7 16.7 16.7 16.7 16.7 16.7 16.7 (8260) (8010 (8270) (PAF-(PH) (Conduction (COD) (Total Cyanida (COD) (Total Metals (Dissolved Mathane Ethernocher) others	Cond. (uS/cm) 314.0 314.0 314.0 314.0 314.0 314.0 NALYSIS AI 0) (8020) (N H) (NWTPH-Inctivity) (TDS C) (Total PO4 de) (WAD Cy 1) (As) (Sb) (Set als) (As) (As) (Set als) (As) (As) (As) (As) (As) (As) (As) (A	D.O. (mg/L) 0.72 0.72 0.73 0.74 0.73 LOWED PF WTPH-G) (D) (NWTPH-G) (Total Kie (ranide) (Free (Ba) (Be) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca	6.37 6.37 6.36 6.37 6.37 6.37 ER BOTTLE (NWTPH-Gx, H-Dx) (TPH-Gx) (TPH-Gx) (Turbic dahl Nitroger et Cyanide) a) (Cd) (Co)	ORP (mV) -31.0 -31.4 -31.9 -32.5 -31.7 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) (O'NO2) (Pb) (Mg) (Mn) (DTW (ft) non-standard at ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB ON (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 16.7 16.7 16.7 16.7 16.7 16.7 16.7 16.7 (8260) (8010 (8270) (PAF-(PH) (Conduction (COD) (Total Cyanida (COD) (Total Metals (Dissolved Mathane Ethernocher) others	Cond. (uS/cm) 314.0 314.0 314.0 314.0 314.0 314.0 NALYSIS AI 0) (8020) (N H) (NWTPH-Inctivity) (TDS C) (Total PO4 de) (WAD Cy 1) (As) (Sb) (Set als) (As) (As) (Set als) (As) (As) (As) (As) (As) (As) (As) (A	D.O. (mg/L) 0.72 0.72 0.73 0.74 0.73 LOWED PF WTPH-G) (D) (NWTPH-G) (Total Kie (ranide) (Free (Ba) (Be) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca	6.37 6.37 6.36 6.37 6.37 6.37 ER BOTTLE (NWTPH-Gx, H-Dx) (TPH-Gx) (TPH-Gx) (Turbic dahl Nitroger et Cyanide) a) (Cd) (Co)	ORP (mV) -31.0 -31.4 -31.9 -32.5 -31.7 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) (O'NO2) (Pb) (Mg) (Mn) (DTW (ft) non-standard at ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB ON (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 16.7 16.7 16.7 16.7 16.7 16.7 16.7 16.7 (8260) (8010 (8270) (PAF-(PH) (Conduction (COD) (Total Cyanida (COD) (Total Metals (Dissolved Mathane Ethernocher) others	Cond. (uS/cm) 314.0 314.0 314.0 314.0 314.0 314.0 NALYSIS AI 0) (8020) (N H) (NWTPH-Inctivity) (TDS C) (Total PO4 de) (WAD Cy 1) (As) (Sb) (Set als) (As) (As) (Set als) (As) (As) (As) (As) (As) (As) (As) (A	D.O. (mg/L) 0.72 0.72 0.73 0.74 0.73 LOWED PF WTPH-G) (D) (NWTPH-G) (Total Kie (ranide) (Free (Ba) (Be) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca	6.37 6.37 6.36 6.37 6.37 6.37 ER BOTTLE (NWTPH-Gx, H-Dx) (TPH-Gx) (TPH-Gx) (Turbic dahl Nitroger et Cyanide) a) (Cd) (Co)	ORP (mV) -31.0 -31.4 -31.9 -32.5 -31.7 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) (O'NO2) (Pb) (Mg) (Mn) (DTW (ft) non-standard at ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB ON (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR



Project Nam	e:	Boeing Rent	on		Project Numbe	r <u>:</u>	0025217.099.0	99	
Event:		May-20			Date/Time:	05/ 11 /2020@	903		
Sample Nun	nber:	RGW-241S	200512		Weather:	DRIZZLY			
Landau Repr	resentative:	CEB							
WATERLEV	/EL/WELL/PU	IRGE DATA							
Well Condition		Secure (YES)		Damaged (N	[0]	Describe:	Flush Mount		
		5.04	Time:	- '			1 Iddii Wodiit	GW Motor No. (s SI ODE4
DTW Before Begin Purge:		05/ 12 /2020	840	End Purge:	e	05/ 12 /2020 @	•	GW Meter No.(
				_				Gallons Purged:	0.25
Purge water d	isposed to:		55-gal Drum	Ш	Storage Tank	Ground	U Other	SITE TREATM	ENI SYSIEM
Time	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity (NTU)	DTW (ft)	Internal Purge Volume (gal)	Comments/ Observations
	_					lings within the fo	_	>/= 1 flow	
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
840	15.0	300.9	0.90	6.01	194.6		5.04		
843	15.4	301.5	0.85	5.99	180.5		5.04		
846	15.6	302.2	0.83	6.03	161.2		5.04		
849	15.6	302.1	0.87	6.09	132.2				
	· 								
852	15.6	301.9	0.86	6.11	115.8				
855	15.6	302.2	0.89	6.12	98.9				
858	15.6	301.6	0.97	6.14	60.5				
900	15.6	301.6	0.99	6.15	56.8				
SAMPLE CO	LLECTION D	OATA							
Sample Colle	cted With:		Bailer		Pump/Pump Type	DED BLADDER			
Made of:		Stainless Stee	l 🔲	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proced	lure:	Alconox Was	h 🔯	Tap Rinse	DI Water	Dedicated			
(By Numerica	l Order)	Other	_			_			
a									
Sample Descr	ription (color, t	turbidity, odor,	sheen, etc.):	CLEAR CO	LORLESS NO O	OOR NO SHEEN			
Sample Desci	ription (color, t	turbidity, odor,	sheen, etc.):	CLEAR CO	LORLESS NO O	OOR NO SHEEN			
Replicate	Temp	Cond.	D.O.	CLEAR CO	ORP	Turbidity	DTW	Ferrous iron	Comments/
		-	_				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 1	Temp (°F/°C) 15.6	Cond. (uS/cm) 301.5	D.O. (mg/L) 0.98	pH 6.15 6.15	ORP (mV) 53.4	Turbidity			
Replicate 1 2 3	Temp (°F/°C) 15.6 15.6	Cond. (uS/cm) 301.5 301.7	D.O. (mg/L) 0.98 0.98	pH 6.15 6.15 6.15	ORP (mV) 53.4 51.1 49.0	Turbidity			
Replicate 1 2 3 4	Temp (°F/°C) 15.6 15.6 15.6	Cond. (uS/cm) 301.5 301.7 301.7	D.O. (mg/L) 0.98 0.98 0.98	pH 6.15 6.15 6.15 6.15	ORP (mV) 53.4 51.1 49.0 46.9	Turbidity (NTU)			
Replicate 1 2 3	Temp (°F/°C) 15.6 15.6	Cond. (uS/cm) 301.5 301.7	D.O. (mg/L) 0.98 0.98	pH 6.15 6.15 6.15	ORP (mV) 53.4 51.1 49.0	Turbidity			
Replicate 1 2 3 4	Temp (°F/°C) 15.6 15.6 15.6 15.7	Cond. (uS/cm) 301.5 301.7 301.7 301.7	D.O. (mg/L) 0.98 0.98 0.98 0.98 0.98	6.15 6.15 6.15 6.15 6.15	ORP (mV) 53.4 51.1 49.0 46.9 50.1	Turbidity (NTU)	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 15.6 15.6 15.6 15.7 15.6	Cond. (uS/cm) 301.5 301.7 301.7 301.7	D.O. (mg/L) 0.98 0.98 0.98 0.98 0.98 LOWED PE	6.15 6.15 6.15 6.15 6.15 6.15	ORP (mV) 53.4 51.1 49.0 46.9 50.1 TYPE (Circle a)	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 15.6 15.6 15.6 15.7 15.6 TYPICAL A (8260) (8010	Cond. (uS/cm) 301.5 301.7 301.7 301.7 301.7 NALYSIS AL 0) (8020) (N	D.O. (mg/L) 0.98 0.98 0.98 0.98 0.98 UOWED PE	6.15 6.15 6.15 6.15 6.15 8.15 8.15 8.15 NWTPH-GX	ORP (mV) 53.4 51.1 49.0 46.9 50.1 TYPE (Circle a) (BTEX)	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 15.6 15.6 15.7 15.6 TYPICAL A (8260) (8010) (8270) (PAF	Cond. (uS/cm) 301.5 301.7 301.7 301.7 NALYSIS AL 0) (8020) (N I) (NWTPH-I	D.O. (mg/L) 0.98 0.98 0.98 0.98 0.98 LOWED PE WTPH-G) (O) (NWTPH	6.15 6.15 6.15 6.15 6.15 KR BOTTLE NWTPH-GX 1-Dx) (TPH-	ORP (mV) 53.4 51.1 49.0 46.9 50.1 TYPE (Circle a) (BTEX) 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) 15.6 15.6 15.7 15.6 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu	Cond. (uS/cm) 301.5 301.7 301.7 301.7 301.7 NALYSIS AL (b) (8020) (N (c) (NWTPH-Inctivity) (TDS)	D.O. (mg/L) 0.98 0.98 0.98 0.98 0.98 COWED PE WTPH-G) (D) (NWTPH () (TSS) (B	6.15 6.15 6.15 6.15 6.15 6.15 CR BOTTLE NWTPH-Gx I-Dx) (TPH-GOD) (Turbi	ORP (mV) 53.4 51.1 49.0 46.9 50.1 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) 15.6 15.6 15.6 15.7 15.6 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (TOO (Total Cyanid	Cond. (uS/cm) 301.5 301.7 301.7 301.7 301.7 NALYSIS AL (D) (8020) (N' (I) (NWTPH-Intervity) (TDS) (C) (Total PO4) (e) (WAD Cya	D.O. (mg/L) 0.98 0.98 0.98 0.98 LOWED PE WTPH-G) (D) (NWTPH) (TSS) (B) (Total Kie anide) (Free	pH 6.15 6.15 6.15 6.15 CR BOTTLE NWTPH-Gx I-Dx) (TPH-IOD) (Turbic Individual Nitrogen Cyanide)	ORP (mV) 53.4 51.1 49.0 46.9 50.1 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity a) (NH3) (NO3.	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Green (HCO3/CO3) (WNO2)	non-standard and anaease)	(Fe II) nalysis below) WA WA O WA O O O O O O O O O O O O O	Observations OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 15.6 15.6 15.6 15.7 15.6 TYPICAL A (8260) (8010 (8270) (PAH (PH) (Condu (COD) (TOO (Total Cyanid (Total Metals)	Cond. (uS/cm) 301.5 301.7 301.7 301.7 301.7 NALYSIS AL (D) (8020) (N' II) (NWTPH-Inctivity) (TDS) (C) (Total PO4) (e) (WAD Cya) () (As) (Sb) (E)	D.O. (mg/L) 0.98 0.98 0.98 0.98 LOWED PE WTPH-G) (D) (NWTPH) (TSS) (B) (Total Kie anide) (Free Ba) (Be) (Ca	pH 6.15 6.15 6.15 6.15 6.15 CR BOTTLE NWTPH-Gx I-Dx) (TPH-IOD) (Turbic Idahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 53.4 51.1 49.0 46.9 50.1 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity (Alkalinity (Alkalinity (Cr) (Cu) (Fe))	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Green (MCO3/CO3) (MCO2)	non-standard and ease) 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 OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 15.6 15.6 15.6 15.7 15.6 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (TOG (Total Cyanid (Total Metals (Dissolved M	Cond. (uS/cm) 301.5 301.7 301.7 301.7 301.7 NALYSIS AL (b) (8020) (N (c) (NWTPH-Intivity) (TDS (c) (Total PO4 (de) (WAD Cya) (de) (As) (Sb) (Extends) (As) (Sb) (Extends)	D.O. (mg/L) 0.98 0.98 0.98 0.98 LOWED PE WTPH-G) (D) (NWTPH) (TSS) (B) (Total Kie anide) (Free Ba) (Be) (Ca	pH 6.15 6.15 6.15 6.15 6.15 CR BOTTLE NWTPH-Gx I-Dx) (TPH-IOD) (Turbic Idahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 53.4 51.1 49.0 46.9 50.1 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity (Alkalinity (Alkalinity (Cr) (Cu) (Fe))	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Green (MCO3/CO3) (MCO2)	non-standard and ease) 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:	Temp (°F/°C) 15.6 15.6 15.6 15.7 15.6 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (TOO (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 301.5 301.7 301.7 301.7 301.7 NALYSIS AL (b) (8020) (N) (l) (NWTPH-Lictivity) (TDS) (C) (Total PO4) (e) (WAD Cya) (h) (As) (Sb) (E) (etals) (As) (Sb) (g) (g) (Sb) (g) (Sb) (g) (Sb) (Sb) (g) (Sb) (Sb) (g) (Sb) (Sb) (g) (Sb) (Sb) (Sb) (Sb) (Sb) (Sb) (Sb) (Sb	D.O. (mg/L) 0.98 0.98 0.98 0.98 0.98 COWED PE WTPH-G) (INWTPH OF (INWTPH) (ITSS) (INWTPH) (ITSS) (INWTPH) (INWTPH) (ITSS) (ITS	pH 6.15 6.15 6.15 6.15 6.15 CR BOTTLE NWTPH-Gx I-Dx) (TPH-IOD) (Turbic Idahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 53.4 51.1 49.0 46.9 50.1 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity (Alkalinity (Alkalinity (Cr) (Cu) (Fe))	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Green (MCO3/CO3) (MCO2)	non-standard and ease) 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 OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 15.6 15.6 15.6 15.7 15.6 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (TOO (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 301.5 301.7 301.7 301.7 301.7 NALYSIS AL (b) (8020) (N (c) (NWTPH-Intivity) (TDS (c) (Total PO4 (de) (WAD Cya) (de) (As) (Sb) (Extends) (As) (Sb) (Extends)	D.O. (mg/L) 0.98 0.98 0.98 0.98 0.98 COWED PE WTPH-G) (INWTPH OF (INWTPH) (ITSS) (INWTPH) (ITSS) (INWTPH) (INWTPH) (ITSS) (ITS	pH 6.15 6.15 6.15 6.15 6.15 CR BOTTLE NWTPH-Gx I-Dx) (TPH-IOD) (Turbic Idahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 53.4 51.1 49.0 46.9 50.1 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity (Alkalinity (Alkalinity (Cr) (Cu) (Fe))	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Green (MCO3/CO3) (MCO2)	non-standard and ease) 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 OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 15.6 15.6 15.6 15.7 15.6 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (TOO (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 301.5 301.7 301.7 301.7 301.7 NALYSIS AL (b) (8020) (N) (l) (NWTPH-Lictivity) (TDS) (C) (Total PO4) (e) (WAD Cya) (h) (As) (Sb) (E) (etals) (As) (Sb) (g) (g) (Sb) (g) (Sb) (g) (Sb) (Sb) (g) (Sb) (Sb) (g) (Sb) (Sb) (g) (Sb) (Sb) (Sb) (Sb) (Sb) (Sb) (Sb) (Sb	D.O. (mg/L) 0.98 0.98 0.98 0.98 0.98 COWED PE WTPH-G) (INWTPH OF (INWTPH) (ITSS) (INWTPH) (ITSS) (INWTPH) (INWTPH) (ITSS) (ITS	pH 6.15 6.15 6.15 6.15 6.15 CR BOTTLE NWTPH-Gx I-Dx) (TPH-IOD) (Turbic Idahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 53.4 51.1 49.0 46.9 50.1 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity (Alkalinity (Alkalinity (Cr) (Cu) (Fe))	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Green (MCO3/CO3) (MCO2)	non-standard and ease) 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 OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 15.6 15.6 15.6 15.6 15.6 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 301.5 301.7 301.7 301.7 301.7 NALYSIS AL (b) (8020) (N) (l) (NWTPH-Lictivity) (TDS) (C) (Total PO4) (e) (WAD Cya) (h) (As) (Sb) (E) (etals) (As) (Sb) (g) (g) (Sb) (g) (Sb) (g) (Sb) (Sb) (g) (Sb) (Sb) (g) (Sb) (Sb) (g) (Sb) (Sb) (Sb) (Sb) (Sb) (Sb) (Sb) (Sb	D.O. (mg/L) 0.98 0.98 0.98 0.98 0.98 COWED PE WTPH-G) (INWTPH OF (INWTPH) (ITSS) (INWTPH) (ITSS) (INWTPH) (INWTPH) (ITSS) (ITS	pH 6.15 6.15 6.15 6.15 6.15 CR BOTTLE NWTPH-Gx I-Dx) (TPH-IOD) (Turbic Idahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 53.4 51.1 49.0 46.9 50.1 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity (Alkalinity (Alkalinity (Cr) (Cu) (Fe))	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Green (MCO3/CO3) (MCO2)	non-standard and ease) 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 OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 15.6 15.6 15.6 15.7 15.6 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (TOO (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 301.5 301.7 301.7 301.7 301.7 NALYSIS AL (b) (8020) (N) (l) (NWTPH-Lictivity) (TDS) (C) (Total PO4) (e) (WAD Cya) (h) (As) (Sb) (E) (etals) (As) (Sb) (g) (g) (Sb) (g) (Sb) (g) (Sb) (Sb) (g) (Sb) (Sb) (g) (Sb) (Sb) (g) (Sb) (Sb) (Sb) (Sb) (Sb) (Sb) (Sb) (Sb	D.O. (mg/L) 0.98 0.98 0.98 0.98 0.98 COWED PE WTPH-G) (INWTPH OF (INWTPH) (ITSS) (INWTPH) (ITSS) (INWTPH) (INWTPH) (ITSS) (ITS	pH 6.15 6.15 6.15 6.15 6.15 CR BOTTLE NWTPH-Gx I-Dx) (TPH-IOD) (Turbic Idahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 53.4 51.1 49.0 46.9 50.1 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity (Alkalinity (Alkalinity (Cr) (Cu) (Fe))	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Green (MCO3/CO3) (MCO2)	non-standard and ease) 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 OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 15.6 15.6 15.6 15.7 15.6 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 301.5 301.7 301.7 301.7 301.7 NALYSIS AL (b) (8020) (N) (l) (NWTPH-Lictivity) (TDS) (C) (Total PO4) (e) (WAD Cya) (h) (As) (Sb) (E) (etals) (As) (Sb) (g) (g) (Sb) (g) (Sb) (g) (Sb) (Sb) (g) (Sb) (Sb) (g) (Sb) (Sb) (g) (Sb) (Sb) (Sb) (Sb) (Sb) (Sb) (Sb) (Sb	D.O. (mg/L) 0.98 0.98 0.98 0.98 0.98 COWED PE WTPH-G) (INWTPH OF (INWTPH) (ITSS) (INWTPH) (ITSS) (INWTPH) (INWTPH) (ITSS) (ITS	pH 6.15 6.15 6.15 6.15 6.15 CR BOTTLE NWTPH-Gx I-Dx) (TPH-IOD) (Turbic Idahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 53.4 51.1 49.0 46.9 50.1 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity (Alkalinity (Alkalinity (Cr) (Cu) (Fe))	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Green (MCO3/CO3) (MCO2)	non-standard and ease) 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 OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 15.6 15.6 15.6 15.7 15.6 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 301.5 301.7 301.7 301.7 301.7 NALYSIS AL (b) (8020) (N) (l) (NWTPH-Lictivity) (TDS) (C) (Total PO4) (e) (WAD Cya) (h) (As) (Sb) (E) (etals) (As) (Sb) (g) (g) (Sb) (g) (Sb) (g) (Sb) (Sb) (g) (Sb) (Sb) (g) (Sb) (Sb) (g) (Sb) (Sb) (Sb) (Sb) (Sb) (Sb) (Sb) (Sb	D.O. (mg/L) 0.98 0.98 0.98 0.98 0.98 COWED PE WTPH-G) (INWTPH OF (INWTPH) (ITSS) (INWTPH) (ITSS) (INWTPH) (INWTPH) (ITSS) (ITS	pH 6.15 6.15 6.15 6.15 6.15 CR BOTTLE NWTPH-Gx I-Dx) (TPH-IOD) (Turbic Idahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 53.4 51.1 49.0 46.9 50.1 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity (Alkalinity (Alkalinity (Cr) (Cu) (Fe))	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Green (MCO3/CO3) (MCO2)	non-standard and ease) 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 OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 15.6 15.6 15.6 15.7 15.6 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 301.5 301.7 301.7 301.7 301.7 NALYSIS AL (b) (8020) (N) (l) (NWTPH-Lictivity) (TDS) (C) (Total PO4) (e) (WAD Cya) (h) (As) (Sb) (E) (etals) (As) (Sb) (g) (g) (Sb) (g) (Sb) (g) (Sb) (Sb) (g) (Sb) (Sb) (g) (Sb) (Sb) (g) (Sb) (Sb) (Sb) (Sb) (Sb) (Sb) (Sb) (Sb	D.O. (mg/L) 0.98 0.98 0.98 0.98 0.98 COWED PE WTPH-G) (INWTPH OF (INWTPH) (ITSS) (INWTPH) (ITSS) (INWTPH) (INWTPH) (ITSS) (ITS	pH 6.15 6.15 6.15 6.15 6.15 CR BOTTLE NWTPH-Gx I-Dx) (TPH-IOD) (Turbic Idahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 53.4 51.1 49.0 46.9 50.1 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity (Alkalinity (Alkalinity (Cr) (Cu) (Fe))	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Green (MCO3/CO3) (MCO2)	non-standard and ease) Cl) (SO4) (NO Ni) (Ag) (Se) ((Ag) (Se) (Tl) (V	(Fe II) nalysis below) WA WA O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR



Project Nam	ne:	Boeing Ren	ton		Project Numbe	r <u>:</u>	0025217.099.0	99	
Event:		May-20			Date/Time:	05/ 12/2020@	933		
Sample Nun	nber:	RGW-242I-	200512		Weather:	CLOUDY			
Landau Rep	resentative:	CEB							
WATER LEV	VEL/WELL/PU	JRGE DATA							
Well Condition		Secure (YES)	Damaged (N	(O)	Describe:	Flush Mount		
DTW Before	Purging (ft)	5.18	Time:	• ,	Flow through ce	ll vol.		GW Meter No.(s SLOPE4
	Date/Time:			End Purge:	-	05/ 12 /2020 @	928	Gallons Purged:	0.3
Purge water d			55-gal Drum	Ě	Storage Tank	Ground	_	SITE TREATM	
runge muter e	•	_	-		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	Obsci vations
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
907	15.4	282.0	0.62	6.09	43.7		5.12		
910	15.2	298.6	0.52	6.09	29.6		5.13		
913		299.5	0.55	6.06	27.3		5.13	-	
	- (3.13		
916	15.1	300.5	0.65	6.04	19.7			· 	
919	15.1	300.6	0.76	6.06	14.0				
922	15.1	300.6	0.84	6.09	7.8		-		
925	15.1	300.8	0.96	6.11	1.3				
927	15.1	301.0	1.00	6.12	-2.8				
	DLLECTION D								
Sample Colle			Bailer	П	Pump/Pump Type	DED BLADDER			
Made of:		Stainless Stee	el 🔲	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proced	dure:	Alconox Was	sh 🗖	Tap Rinse	DI Water	Dedicated	_	_	
(By Numerica		Other			<u>ப</u>	ш			
()									
Sample Descr		₩	, sheen, etc.):	CLEAR CO	LORLESS NO O	DOR NO SHEEN			
Sample Descr		₩	, sheen, etc.):	CLEAR CO	LORLESS NO O	DOR NO SHEEN			
Sample Descri Replicate		₩	D.O. (mg/L)	CLEAR CO	ORP (mV)	Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
	ription (color, t	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) 15.2	Cond. (uS/cm) 301.6	D.O. (mg/L) 1.07	pH 6.13 6.14	ORP (mV) -6.3 -7.2	Turbidity			
Replicate 1 2 3	Temp (°F/°C) 15.2 15.2	Cond. (uS/cm) 301.6 301.7	D.O. (mg/L) 1.07 1.07	pH 6.13 6.14 6.15	ORP (mV) -6.3 -7.2 -8.2	Turbidity			
Replicate 1 2 3 4	Temp (°F/°C) 15.2 15.2 15.2	Cond. (uS/cm) 301.6 301.7	D.O. (mg/L) 1.07 1.07 1.07	pH 6.13 6.14 6.15 6.15	ORP (mV) -6.3 -7.2 -8.2 -8.9	Turbidity (NTU)			
Replicate 1 2 3	Temp (°F/°C) 15.2 15.2	Cond. (uS/cm) 301.6 301.7	D.O. (mg/L) 1.07 1.07	pH 6.13 6.14 6.15	ORP (mV) -6.3 -7.2 -8.2	Turbidity			
Replicate 1 2 3 4	Temp (°F/°C) 15.2 15.2 15.2 15.2	Cond. (uS/cm) 301.6 301.7 301.7	D.O. (mg/L) 1.07 1.07 1.08 1.08	6.13 6.14 6.15 6.15	ORP (mV) -6.3 -7.2 -8.2 -8.9 -7.7	Turbidity (NTU)	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 15.2 15.2 15.2 15.2 15.2 15.2 (8260) (8010	Cond. (uS/cm) 301.6 301.7 301.7 301.7 301.7 NALYSIS AI	D.O. (mg/L) 1.07 1.07 1.08 1.07 LOWED PE	6.13 6.14 6.15 6.15 6.14 ER BOTTLE NWTPH-GX	ORP (mV) -6.3 -7.2 -8.2 -8.9 -7.7 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) 15.2 15.2 15.2 15.2 15.2 15.2 (8260) (8010 (8270) (PAF	Cond. (uS/cm) 301.6 301.7 301.7 301.7 NALYSIS AI 0) (8020) (N	D.O. (mg/L) 1.07 1.07 1.08 1.07 LOWED PF	6.13 6.14 6.15 6.15 6.14 CR BOTTLE NWTPH-GX	ORP (mV) -6.3 -7.2 -8.2 -8.9 -7.7 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) 15.2 15.2 15.2 15.2 15.2 15.2 15.2 (8260) (8010 (8270) (PAF (pH) (Condu	Cond. (uS/cm) 301.6 301.7 301.7 301.7 NALYSIS AI 0) (8020) (N	D.O. (mg/L) 1.07 1.07 1.08 1.07 1.08 1.07 1.08 1.07 1.08 1.07 1.08 1.07 1.08 1.07 1.08 1.07	6.13 6.14 6.15 6.15 6.14 CR BOTTLE NWTPH-Gx I-Dx) (TPH-GOD) (Turbic	ORP (mV) -6.3 -7.2 -8.2 -8.9 -7.7 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity	#DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (6	non-standard a	nalysis below) WA WA WA	Observations OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 15.2 15.2 15.2 15.2 15.2 15.2 15.2 (8260) (8010 (8270) (PAF (pH) (Condu	Cond. (uS/cm) 301.6 301.6 301.7 301.7 301.7 NALYSIS AI (a) (8020) (N (b) (NWTPH- (ctivity) (TDS) (C) (Total PO-	D.O. (mg/L) 1.07 1.07 1.08 1.07 1.08 1.07 1.08 1.07 1.08 1.07 LOWED PERMYPH-G) (D) (NWTPH-G) (ED) (TSS) (ED) (TSS) (ED) (TSS) (ED) (Total Kiewer)	pH 6.13 6.14 6.15 6.15 6.14 CR BOTTLE NWTPH-Gx I-Dx) (TPH-GX GDD) (Turbio dahl Nitroger	ORP (mV) -6.3 -7.2 -8.2 -8.9 -7.7 TYPE (Circle a) (BTEX) HCID) (8081)	#DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (6	non-standard a	nalysis below) WA WA WA	Observations OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 15.2 15.2 15.2 15.2 15.2 15.2 (8260) (8010 (8270) (PAF (pH) (Condu (COD) (TOO (Total Cyanid	Cond. (uS/cm) 301.6 301.7 301.7 301.7 NALYSIS AI (D) (8020) (N H) (NWTPH- activity) (TDS (C) (Total PO- de) (WAD Cy	D.O. (mg/L) 1.07 1.07 1.08 1.07 1.08 1.07 LOWED PF WTPH-G) (D) (NWTPH-S) (TSS) (ES) (TSS) (ES) (TSS) (ES) (TST) (ES) (TST)	pH 6.13 6.14 6.15 6.15 6.14 CR BOTTLE NWTPH-Gx I-Dx) (TPH-IOD) (Turbic Individual Nitrogen Cyanide)	ORP (mV) -6.3 -7.2 -8.2 -8.9 -7.7 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity a) (NH3) (NO3.	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Green (HCO3/CO3) (WV)	non-standard a ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O WA O O O O O O O O O O O O O	Observations OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 15.2 15.2 15.2 15.2 15.2 15.2 15.2 (8260) (8010 (8270) (PAH (PH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 301.6 301.7 301.7 301.7 NALYSIS AI (iii) (8020) (NI) (NWTPH- dictivity) (TDS (iii) (Total PO- de) (WAD Cy (iii) (As) (Sb) (D.O. (mg/L) 1.07 1.07 1.08 1.07 1.08 1.07 LOWED PF WTPH-G) (D) (NWTPH-S) (TSS) (B 4) (Total Kieleranide) (Free Ba) (Be) (Ca	pH 6.13 6.14 6.15 6.15 6.14 CR BOTTLE NWTPH-Gx I-Dx) (TPH-GOD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -6.3 -7.2 -8.2 -8.9 -7.7 TYPE (Circle and order) (BTEX) HCID) (8081) (dity) (Alkalinity order) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (O/NO2) (Pb) (Mg) (Mn) (non-standard a ase) Cl) (SO4) (NO	(Fe II) malysis below) WA WA OB (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 15.2 15.2 15.2 15.2 15.2 15.2 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (TOd (Total Cyanic (Total Metals (Dissolved M	Cond. (uS/cm) 301.6 301.7 301.7 301.7 NALYSIS AI () (8020) (NI) (NWTPH- lectivity) (TDS (C) (Total PO- le) (WAD Cy () (As) (Sb) (etals) (As) (Sc)	D.O. (mg/L) 1.07 1.07 1.08 1.07 1.08 1.07 LOWED PF WTPH-G) (D) (NWTPH-S) (TSS) (B 4) (Total Kieleranide) (Free Ba) (Be) (Ca	pH 6.13 6.14 6.15 6.15 6.14 CR BOTTLE NWTPH-Gx I-Dx) (TPH-GOD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -6.3 -7.2 -8.2 -8.9 -7.7 TYPE (Circle and order) (BTEX) HCID) (8081) (dity) (Alkalinity order) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (O/NO2) (Pb) (Mg) (Mn) (non-standard a ase) Cl) (SO4) (NO	(Fe II) malysis below) WA WA OB (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 15.2 15.2 15.2 15.2 15.2 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (TOd (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 301.6 301.7 301.7 301.7 NALYSIS AI (NWTPH- (Ictivity) (TDS) (C) (Total PO4 (le) (WAD Cy) (As) (Sb) (cetals) (As) (Sb) (g short list)	D.O. (mg/L) 1.07 1.07 1.08 1.09	pH 6.13 6.14 6.15 6.15 6.14 CR BOTTLE NWTPH-Gx I-Dx) (TPH-GOD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -6.3 -7.2 -8.2 -8.9 -7.7 TYPE (Circle and order) (BTEX) HCID) (8081) (dity) (Alkalinity order) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (O/NO2) (Pb) (Mg) (Mn) (non-standard a ase) Cl) (SO4) (NO	(Fe II) malysis below) WA WA OB (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 15.2 15.2 15.2 15.2 15.2 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (TOd (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 301.6 301.7 301.7 301.7 NALYSIS AI () (8020) (NI) (NWTPH- lectivity) (TDS (C) (Total PO- le) (WAD Cy () (As) (Sb) (etals) (As) (Sb) (D.O. (mg/L) 1.07 1.07 1.08 1.09	pH 6.13 6.14 6.15 6.15 6.14 CR BOTTLE NWTPH-Gx I-Dx) (TPH-GOD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -6.3 -7.2 -8.2 -8.9 -7.7 TYPE (Circle and order) (BTEX) HCID) (8081) (dity) (Alkalinity order) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (O/NO2) (Pb) (Mg) (Mn) (non-standard a ase) Cl) (SO4) (NO	(Fe II) malysis below) WA WA OB (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 15.2 15.2 15.2 15.2 15.2 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (TOd (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 301.6 301.7 301.7 301.7 NALYSIS AI (NWTPH- (Ictivity) (TDS) (C) (Total PO4 (le) (WAD Cy) (As) (Sb) (cetals) (As) (Sb) (g short list)	D.O. (mg/L) 1.07 1.07 1.08 1.09	pH 6.13 6.14 6.15 6.15 6.14 CR BOTTLE NWTPH-Gx I-Dx) (TPH-GOD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -6.3 -7.2 -8.2 -8.9 -7.7 TYPE (Circle and order) (BTEX) HCID) (8081) (dity) (Alkalinity order) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (O/NO2) (Pb) (Mg) (Mn) (non-standard a ase) Cl) (SO4) (NO	(Fe II) malysis below) WA WA OB (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 15.2 15.2 15.2 15.2 15.2 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Conduction (COD) (Total Cyanida (Dissolved M VOC (Boein	Cond. (uS/cm) 301.6 301.7 301.7 301.7 NALYSIS AI (NWTPH- (Ictivity) (TDS) (C) (Total PO4 (le) (WAD Cy) (As) (Sb) (cetals) (As) (Sb) (g short list)	D.O. (mg/L) 1.07 1.07 1.08 1.09	pH 6.13 6.14 6.15 6.15 6.14 CR BOTTLE NWTPH-Gx I-Dx) (TPH-GOD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -6.3 -7.2 -8.2 -8.9 -7.7 TYPE (Circle and order) (BTEX) HCID) (8081) (dity) (Alkalinity order) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (O/NO2) (Pb) (Mg) (Mn) (non-standard a ase) Cl) (SO4) (NO	(Fe II) malysis below) WA WA OB (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 15.2 15.2 15.2 15.2 15.2 15.2 15.2 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Tod (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 301.6 301.7 301.7 301.7 NALYSIS AI (NWTPH- (Ictivity) (TDS) (C) (Total PO4 (le) (WAD Cy) (As) (Sb) (cetals) (As) (Sb) (g short list)	D.O. (mg/L) 1.07 1.07 1.08 1.09	pH 6.13 6.14 6.15 6.15 6.14 CR BOTTLE NWTPH-Gx I-Dx) (TPH-GOD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -6.3 -7.2 -8.2 -8.9 -7.7 TYPE (Circle and order) (BTEX) HCID) (8081) (dity) (Alkalinity order) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (O/NO2) (Pb) (Mg) (Mn) (non-standard a ase) Cl) (SO4) (NO	(Fe II) malysis below) WA WA OB (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 15.2 15.2 15.2 15.2 15.2 15.2 15.2 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Tod (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 301.6 301.7 301.7 301.7 NALYSIS AI (NWTPH- (Ictivity) (TDS) (C) (Total PO4 (le) (WAD Cy) (As) (Sb) (cetals) (As) (Sb) (g short list)	D.O. (mg/L) 1.07 1.07 1.08 1.09	pH 6.13 6.14 6.15 6.15 6.14 CR BOTTLE NWTPH-Gx I-Dx) (TPH-GOD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -6.3 -7.2 -8.2 -8.9 -7.7 TYPE (Circle and order) (BTEX) HCID) (8081) (dity) (Alkalinity order) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (O/NO2) (Pb) (Mg) (Mn) (non-standard a ase) Cl) (SO4) (NO	(Fe II) malysis below) WA WA OB (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 15.2 15.2 15.2 15.2 15.2 15.2 15.2 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Tod (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 301.6 301.7 301.7 301.7 NALYSIS AI (b) (8020) (N (c) (Total PO- (de) (WAD Cy (de) (As) (Sb) (cetals) (As) (Sb) (g short list)	D.O. (mg/L) 1.07 1.07 1.08 1.09	pH 6.13 6.14 6.15 6.15 6.14 CR BOTTLE NWTPH-Gx I-Dx) (TPH-GOD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -6.3 -7.2 -8.2 -8.9 -7.7 TYPE (Circle and order) (BTEX) HCID) (8081) (dity) (Alkalinity order) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (O/NO2) (Pb) (Mg) (Mn) (non-standard a ase) Cl) (SO4) (NO	(Fe II) malysis below) WA WA OB (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR



Project Name	e:	Boeing Ren	iton		Project Numbe	r:	0025217.099.0	99	
Event:		May-20		_	Date/Time:	05/ 11 /2020@	1230		
Sample Num	ıber:	RGW255S-	200511		Weather:	SUNNY, HOT			
Landau Repr	esentative:	BXM			•	•			
WATER LEV	EI /WEI I /DI	IDCE DATA							
WATER LEV)	Damaged (N	(O)	Dagariha	Eluah Maunt		
		Secure (YES					Flush Mount		~ ~ ~ ~ ~ ~
DTW Before	0 0 . ,	9.45	Time:		Flow through ce			GW Meter No.(
Begin Purge:	Date/Time:			End Purge:	Date/Time:	05/11 /2020 @ 1	_	Gallons Purged:	
Purge water d	isposed to:		55-gal Drum	Ш	Storage Tank	Ground	Other	SITE TREATM	ENT SYSTEM
	Temp	Cond.	D.O.	pН	ORP	Turbidity	DTW	Internal Purge	Comments/
Time	(°F/°C)	(uS/cm)	(mg/L)		(mV)	(NTU)	(ft)	Volume (gal)	Observations
	+/- 3%	ls: Stablizatio +/- 3%		ters for three +/- 0.1 units	+/- 10 mV	lings within the fol +/- 10%	lowing limits < 0.3 ft	>/= 1 flow through cell	
4000						1/- 10/0		tin ough cen	
1202	17.8	239.4	0.50	6.32	-17.0		9.46		
1205	20.1	241.4	0.62	6.33	-29.7		9.46		
1208	21.7	243.5	0.63	6.33	-34.9		9.46		
1211	22.5	244.6	0.63	6.33	-36.5				
1214	23.8	244.9	0.70	6.33	-35.6				
1217	24.3	245.4	0.77	6.33	-33.3				
1220	25.5	245.0	0.76	6.35	-27.7				
SAMPLE CO	LLECTION D	OATA							
Sample Collec	cted With:		Bailer		Pump/Pump Type	BLADDER DEDI	CATED		
Made of:		Stainless Ste	el 🔲	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proced	ure:	Alconox Wa	sh 🗍	Tap Rinse	DI Water	Dedicated		_	
(By Numerica	I Oudou)	□ 04h	-	1	₩				
	i Oraer)	Other							
		Other	sheen, etc.):	CLEAR, CO	LORLESS, NO S	HEEN. NO ODOR			
		-	, sheen, etc.):	CLEAR, CO	LORLESS, NO S	HEEN, NO ODOR			
	iption (color, t	curbidity, odor	D.O.	CLEAR, CO	ORP	Turbidity	DTW	Ferrous iron (Fe II)	Comments/ Observations
Sample Descri Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	·		Ferrous iron (Fe II)	Comments/ Observations
Sample Descr Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	рН 6.35	ORP (mV)	Turbidity	DTW		
Sample Description Replicate 1 2	Temp (°F/°C) 25.6	Cond. (uS/cm) 244.9	D.O. (mg/L) 0.77	pH 6.35 6.34	ORP (mV) -27.3 -26.8	Turbidity	DTW		
Sample Descr Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	рН 6.35	ORP (mV)	Turbidity	DTW		
Sample Description Replicate 1 2	Temp (°F/°C) 25.6	Cond. (uS/cm) 244.9	D.O. (mg/L) 0.77	pH 6.35 6.34	ORP (mV) -27.3 -26.8	Turbidity	DTW		
Replicate 1 2 3	Temp (°F/°C) 25.6 25.6	Cond. (uS/cm) 244.9 245.1	D.O. (mg/L) 0.77 0.77	pH 6.35 6.34 6.35	ORP (mV) -27.3 -26.8	Turbidity	DTW		
Replicate 1 2 3 4 Average:	Temp (°F/°C) 25.6 25.6 25.6 25.7 25.6	Cond. (uS/cm) 244.9 245.1 245.0 245.0	D.O. (mg/L) 0.77 0.77 0.77 0.79	6.35 6.34 6.35 6.35	ORP (mV) -27.3 -26.8 -26.7 -26.7	Turbidity (NTU) #DIV/0!	DTW (ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 25.6 25.6 25.7 25.6 TYPICAL A	Cond. (uS/cm) 244.9 245.0 245.0 245.0 NALYSIS Al	D.O. (mg/L) 0.77 0.77 0.79 0.78	pH 6.35 6.34 6.35 6.35 6.35 6.35	ORP (mV) -27.3 -26.8 -26.7 -26.7 TYPE (Circle a)	Turbidity (NTU)	DTW (ft)	(Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 25.6 25.6 25.7 25.6 TYPICAL A (8260) (8010	Cond. (uS/cm) 244.9 245.0 245.0 NALYSIS AI (8020) (8020) (1	D.O. (mg/L) 0.77 0.77 0.77 0.79 0.78 LLOWED PE	6.35 6.34 6.35 6.35 6.35 CR BOTTLE NWTPH-GX	ORP (mV) -27.3 -26.8 -26.7 -26.9 TYPE (Circle aport) (BTEX)	Turbidity (NTU) #DIV/0!	DTW (ft)	(Fe II)	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 25.6 25.6 25.7 25.6 25.7 25.6 (8260) (8010 (8270) (PAF	Cond. (uS/cm) 244.9 245.0 245.0 NALYSIS AI () (8020) (NII) (NWTPH-	D.O. (mg/L) 0.77 0.77 0.79 0.78 LLOWED PENWTPH-G) (6.35 6.34 6.35 6.35 6.35 CR BOTTLE NWTPH-GX 1-Dx) (TPH-	ORP (mV) -27.3 -26.8 -26.7 -26.9 TYPE (Circle a) (BTEX) HCID) (8081)	#DIV/0!	DTW (ft)	nalysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 25.6 25.6 25.7 25.6 25.7 25.6 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu	Cond. (uS/cm) 244.9 245.0 245.0 245.0 NALYSIS AI 0) (8020) (NI I) (NWTPH- Inctivity) (TD	D.O. (mg/L) 0.77 0.77 0.79 0.78 LLOWED PERWYPH-G) (D) (NWTPH-G) (S) (TSS) (B	6.35 6.34 6.35 6.35 6.35 CR BOTTLE NWTPH-Gx I-Dx) (TPH-GOD) (Turbic	ORP (mV) -27.3 -26.8 -26.7 -26.9 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity	#DIV/0! #DIV/0! pplicable or write results (HCO3/CO3) (C	DTW (ft)	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 25.6 25.6 25.6 25.7 25.6 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu	Cond. (uS/cm) 244.9 245.1 245.0 245.0 245.0 NALYSIS AI 0) (8020) (NI) (NWTPH- ctivity) (TDC) (Total PO-	D.O. (mg/L) 0.77 0.77 0.79 0.78 LLOWED PERWYPH-G) (D) (NWTPH-G) (S) (TSS) (B	6.35 6.34 6.35 6.35 6.35 6.35 CR BOTTLE NWTPH-Gx I-Dx) (TPH- BOD) (Turbiodahl Nitroger	ORP (mV) -27.3 -26.8 -26.7 -26.9 TYPE (Circle a) (BTEX) HCID) (8081)	#DIV/0! #DIV/0! pplicable or write results (HCO3/CO3) (C	DTW (ft)	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 25.6 25.6 25.6 25.7 25.6 25.7 25.6 (8260) (8010 (8270) (PAF (pH) (Condu (COD) (TOO (Total Cyanid	Cond. (uS/cm) 244.9 245.0 245.0 245.0 NALYSIS AI 0) (8020) (NI) (NWTPH- lectivity) (TD C) (Total PO- le) (WAD Cy	D.O. (mg/L) 0.77 0.77 0.79 0.78 LLOWED PE WTPH-G) (D) (NWTPH S) (TSS) (B 4) (Total Kie vanide) (Free	6.35 6.34 6.35 6.35 6.35 6.35 CR BOTTLE NWTPH-Gx I-Dx) (TPH-IOD) (Turbic dahl Nitroger Cyanide)	ORP (mV) -27.3 -26.8 -26.7 -26.7 -26.9 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity (MH3) (NO3)	#DIV/0! #DIV/0! pplicable or write results (HCO3/CO3) (C	DTW (ft) non-standard at ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O WA O O O O O O O O O O O O O	Observations OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 25.6 25.6 25.6 25.7 25.6 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 244.9 245.0 245.0 245.0 NALYSIS AI () (8020) (NI) (NWTPH- loctivity) (TD C) (Total PO- le) (WAD Cy) (As) (Sb) (D.O. (mg/L) 0.77 0.77 0.79 0.78 LLOWED PE WTPH-G) (D) (NWTPH S) (TSS) (B 4) (Total Kie vanide) (Free Ba) (Be) (Ca	pH 6.35 6.34 6.35 6.35 6.35 CR BOTTLE NWTPH-Gx I-Dx) (TPH-GOD) (Turbic dahl Nitroger Cyanide) 1) (Cd) (Co)	ORP (mV) -27.3 -26.8 -26.7 -26.7 -26.9 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity) n) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write r (HCO3/CO3) (C	DTW (ft) aon-standard action (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 25.6 25.6 25.6 25.7 25.6 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 244.9 245.0 245.0 245.0 NALYSIS AI () (8020) (N I) (NWTPH- citivity) (TD C) (Total PO- c) (As) (Sb) (cetals) (As) (Sl)	D.O. (mg/L) 0.77 0.77 0.79 0.78 LLOWED PE WTPH-G) (D) (NWTPH S) (TSS) (B 4) (Total Kie //anide) (Free //Ba) (Be) (Ca	pH 6.35 6.34 6.35 6.35 6.35 CR BOTTLE NWTPH-Gx I-Dx) (TPH-GOD) (Turbic dahl Nitroger Cyanide) 1) (Cd) (Co)	ORP (mV) -27.3 -26.8 -26.7 -26.7 -26.9 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity) n) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write r (HCO3/CO3) (C	DTW (ft) aon-standard action (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 25.6 25.6 25.6 25.7 25.6 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 244.9 245.0 245.0 245.0 NALYSIS AI () (8020) (N I) (NWTPH- citivity) (TD C) (Total PO- c) (As) (Sb) (cetals) (As) (Sl)	D.O. (mg/L) 0.77 0.77 0.79 0.78 LLOWED PENWTPH-G) (ID) (NWTPH-G) (ID) (NWTPH-G) (ID) (NWTPH-G) (ID) (NWTPH-G) (ID) (NWTPH-G) (ID) (NWTPH-G) (ID) (ID) (ID) (ID) (ID) (ID) (ID) (ID	pH 6.35 6.34 6.35 6.35 6.35 CR BOTTLE NWTPH-Gx I-Dx) (TPH-GOD) (Turbic dahl Nitroger Cyanide) 1) (Cd) (Co)	ORP (mV) -27.3 -26.8 -26.7 -26.7 -26.9 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity) n) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write r (HCO3/CO3) (C	DTW (ft) aon-standard action (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 25.6 25.6 25.6 25.7 25.6 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 244.9 245.0 245.0 245.0 NALYSIS AI () (8020) (N I) (NWTPH- ictivity) (TD C) (Total PO- ictivity) (TD c) (As) (Sb) (ictals) (As) (Sb) (g short list)	D.O. (mg/L) 0.77 0.77 0.79 0.78 LLOWED PENWTPH-G) (ID) (NWTPH-G) (ID) (NWTPH-G) (ID) (NWTPH-G) (ID) (NWTPH-G) (ID) (NWTPH-G) (ID) (NWTPH-G) (ID) (ID) (ID) (ID) (ID) (ID) (ID) (ID	pH 6.35 6.34 6.35 6.35 6.35 CR BOTTLE NWTPH-Gx I-Dx) (TPH-GOD) (Turbic dahl Nitroger Cyanide) 1) (Cd) (Co)	ORP (mV) -27.3 -26.8 -26.7 -26.7 -26.9 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity) n) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write r (HCO3/CO3) (C	DTW (ft) aon-standard action (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 25.6 25.6 25.6 25.7 25.6 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 244.9 245.0 245.0 245.0 NALYSIS AI () (8020) (N I) (NWTPH- ictivity) (TD C) (Total PO- ictivity) (TD c) (As) (Sb) (ictals) (As) (Sb) (g short list)	D.O. (mg/L) 0.77 0.77 0.79 0.78 LLOWED PENWTPH-G) (ID) (NWTPH-G) (ID) (NWTPH-G) (ID) (NWTPH-G) (ID) (NWTPH-G) (ID) (NWTPH-G) (ID) (NWTPH-G) (ID) (ID) (ID) (ID) (ID) (ID) (ID) (ID	pH 6.35 6.34 6.35 6.35 6.35 CR BOTTLE NWTPH-Gx I-Dx) (TPH-GOD) (Turbic dahl Nitroger Cyanide) 1) (Cd) (Co)	ORP (mV) -27.3 -26.8 -26.7 -26.7 -26.9 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity) n) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write r (HCO3/CO3) (C	DTW (ft) aon-standard action (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 4	Temp (°F/°C) 25.6 25.6 25.6 25.7 25.6 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 244.9 245.0 245.0 245.0 NALYSIS AI () (8020) (N I) (NWTPH- ictivity) (TD C) (Total PO- ictivity) (TD c) (As) (Sb) (ictals) (As) (Sb) (g short list)	D.O. (mg/L) 0.77 0.77 0.79 0.78 LLOWED PENWTPH-G) (ID) (NWTPH-G) (ID) (NWTPH-G) (ID) (NWTPH-G) (ID) (NWTPH-G) (ID) (NWTPH-G) (ID) (NWTPH-G) (ID) (ID) (ID) (ID) (ID) (ID) (ID) (ID	pH 6.35 6.34 6.35 6.35 6.35 CR BOTTLE NWTPH-Gx I-Dx) (TPH-GOD) (Turbic dahl Nitroger Cyanide) 1) (Cd) (Co)	ORP (mV) -27.3 -26.8 -26.7 -26.7 -26.9 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity) n) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write r (HCO3/CO3) (C	DTW (ft) aon-standard action (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 4	Temp (°F/°C) 25.6 25.6 25.6 25.7 25.6 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 244.9 245.0 245.0 245.0 NALYSIS AI () (8020) (N I) (NWTPH- ictivity) (TD C) (Total PO- ictivity) (TD c) (As) (Sb) (ictals) (As) (Sb) (g short list)	D.O. (mg/L) 0.77 0.77 0.79 0.78 LLOWED PENWTPH-G) (ID) (NWTPH-G) (ID) (NWTPH-G) (ID) (NWTPH-G) (ID) (NWTPH-G) (ID) (NWTPH-G) (ID) (NWTPH-G) (ID) (ID) (ID) (ID) (ID) (ID) (ID) (ID	pH 6.35 6.34 6.35 6.35 6.35 CR BOTTLE NWTPH-Gx I-Dx) (TPH-GOD) (Turbic dahl Nitroger Cyanide) 1) (Cd) (Co)	ORP (mV) -27.3 -26.8 -26.7 -26.7 -26.9 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity) n) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write r (HCO3/CO3) (C	DTW (ft) aon-standard action (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 4 Duplicate Sam	Temp (°F/°C) 25.6 25.6 25.6 25.7 25.6 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 244.9 245.0 245.0 245.0 NALYSIS AI () (8020) (N I) (NWTPH- ictivity) (TD C) (Total PO- ictivity) (TD c) (As) (Sb) (ictals) (As) (Sb) (g short list)	D.O. (mg/L) 0.77 0.77 0.79 0.78 LLOWED PENWTPH-G) (ID) (NWTPH-G) (ID) (NWTPH-G) (ID) (NWTPH-G) (ID) (NWTPH-G) (ID) (NWTPH-G) (ID) (NWTPH-G) (ID) (ID) (ID) (ID) (ID) (ID) (ID) (ID	pH 6.35 6.34 6.35 6.35 6.35 CR BOTTLE NWTPH-Gx I-Dx) (TPH-GOD) (Turbic dahl Nitroger Cyanide) 1) (Cd) (Co)	ORP (mV) -27.3 -26.8 -26.7 -26.7 -26.9 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity) n) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write r (HCO3/CO3) (C	DTW (ft) aon-standard action (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 4	Temp (°F/°C) 25.6 25.6 25.6 25.7 25.6 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 244.9 245.0 245.0 245.0 NALYSIS AI () (8020) (N I) (NWTPH- ictivity) (TD C) (Total PO- ictivity) (TD c) (As) (Sb) (ictals) (As) (Sb) (g short list)	D.O. (mg/L) 0.77 0.77 0.79 0.78 LLOWED PENWTPH-G) (ID) (NWTPH-G) (ID) (NWTPH-G) (ID) (NWTPH-G) (ID) (NWTPH-G) (ID) (NWTPH-G) (ID) (NWTPH-G) (ID) (ID) (ID) (ID) (ID) (ID) (ID) (ID	pH 6.35 6.34 6.35 6.35 6.35 CR BOTTLE NWTPH-Gx I-Dx) (TPH-GOD) (Turbic dahl Nitroger Cyanide) 1) (Cd) (Co)	ORP (mV) -27.3 -26.8 -26.7 -26.7 -26.9 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity) n) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write r (R141) (Oil & Great (HCO3/CO3) (Oil MC2) (Pb) (Mg) (Mn) (Ni) (Oil Mg) (Mn) (Oil Mg) (DTW (ft) aon-standard action (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR



Project Nam	ne:	Boeing Ren	ton		Project Numbe	r <u>. </u>	0025217.099.0	99	
Event:		May-20			Date/Time:	05/ 11/2020@	1433		
Sample Nun	nber:	RGW183S-	200511		Weather:	SUNNY			
Landau Rep	resentative:	CEB							
WATERIES	VEL/WELL/PU	IDCE DATA							
Well Condition		JRGE DATA		Damaged (N	(0)	Describe	Flush Mount		
		7.01	TC:	•	,		Trush Mount	CWAL N. (CL ODE4
DTW Before		7.91	Time:		Flow through ce	-		GW Meter No.(s	
	Date/Time:	$\overline{}$		End Purge:		05/ 11 /2020 @		Gallons Purged:	0.2
Purge water of	disposed to:	Ш	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
	_					lings within the fo	_	>/= 1 flow	
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
1407	15.2	155.9	0.41	6.38	53.0		7.94		
1410	15.7	157.6	0.35	6.33	52.3		7.94		
1413	16.7	160.8	0.36	6.36	43.8		7.94	-	
							-		
1416		163.6	0.46	6.40	39.9				
1419	18.6	168.0	0.41	6.43	33.6				
1422	20.4	175.6	0.55	6.43	30.1		-		
1425	21.3	179.5	0.48	6.43	26.1				
1427	21.1	178.6	0.45	6.43	24.9				
	DLLECTION I		0.43	0.43				· <u> </u>	
Sample Colle			Bailer		Pump/Pump Type	:			
Made of:		Stainless Stee		PVC	Teflon	Polyethylene	Other	Dedicated	
	. =						i ounci	Dedicated	
Decon Proced		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 O	DOR NO SHEEN			
			· ·				DTW	Farmons in an	Community
Sample Descri Replicate	Temp	Cond.	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)	
Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	рН 6.43	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 6.43	ORP (mV)	Turbidity			
Replicate 1 2	Temp (°F/°C) 21.1 21.0	Cond. (uS/cm) 178.6	D.O. (mg/L) 0.43	pH 6.43 6.43	ORP (mV) 24.3 23.9	Turbidity			
Replicate 1 2 3 4	Temp (°F/°C) 21.1 21.0 20.9	Cond. (uS/cm) 178.6 178.2 177.9	D.O. (mg/L) 0.43 0.40 0.39	pH 6.43 6.43 6.43 6.43	ORP (mV) 24.3 23.9 23.5 23.3	Turbidity (NTU)			
Replicate 1 2 3	Temp (°F/°C) 21.1 21.0 20.9	Cond. (uS/cm) 178.6 178.2	D.O. (mg/L) 0.43 0.40	pH 6.43 6.43 6.43	ORP (mV) 24.3 23.9 23.5	Turbidity			
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.1 21.0 20.9 20.9 21.0	Cond. (uS/cm) 178.6 178.2 177.9 177.9	D.O. (mg/L) 0.43 0.40 0.39 0.42	pH 6.43 6.43 6.43 6.43 6.43	ORP (mV) 24.3 23.9 23.5 23.3 23.8	Turbidity (NTU)	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.1 21.0 20.9 20.9 21.0	Cond. (uS/cm) 178.6 178.2 177.9 177.9	D.O. (mg/L) 0.43 0.40 0.39 0.42 0.41	6.43 6.43 6.43 6.43 6.43 6.43	ORP (mV) 24.3 23.9 23.5 23.3 23.8 TYPE (Circle a)	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.1 21.0 20.9 20.9 21.0 TYPICAL A (8260) (8010	Cond. (uS/cm) 178.6 178.2 177.9 177.9 178.2 NALYSIS AL (0) (8020) (N	D.O. (mg/L) 0.43 0.40 0.39 0.42 0.41 LOWED PF	pH 6.43 6.43 6.43 6.43 6.43 ER BOTTLE NWTPH-Gx	ORP (mV) 24.3 23.9 23.5 23.8 TYPE (Circle a) (BTEX)	Turbidity (NTU) #DIV/0!	(ft)	nalysis below)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.1 21.0 20.9 21.0 TYPICAL A (8260) (8010) (8270) (PAH	Cond. (uS/cm) 178.6 178.2 177.9 177.9 178.2 NALYSIS AL 0) (8020) (N	D.O. (mg/L) 0.43 0.40 0.39 0.42 0.41 LOWED PF WTPH-G) (D) (NWTPH	6.43 6.43 6.43 6.43 6.43 6.43 CR BOTTLE NWTPH-GX I-DX) (TPH-	ORP (mV) 24.3 23.9 23.5 23.8 TYPE (Circle a) (BTEX) HCID) (8081)	Turbidity (NTU) #DIV/0! oplicable or write	non-standard a	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.1 21.0 20.9 20.9 21.0 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu	Cond. (uS/cm) 178.6 178.2 177.9 177.9 178.2 NALYSIS AI (0) (8020) (N (I) (NWTPH-Inctivity) (TDS)	D.O. (mg/L) 0.43 0.40 0.39 0.42 0.41 LOWED PF WTPH-G) (D) (NWTPH S) (TSS) (E	6.43 6.43 6.43 6.43 6.43 6.43 6.43 6.43	ORP (mV) 24.3 23.9 23.5 23.8 TYPE (Circle a) (BTEX) HCID) (8081)	#DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (6	non-standard a	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 21.1 21.0 20.9 20.9 21.0 TYPICAL A (8260) (8010 (8270) (PAF- (pH) (Condu- (COD) (TOO	Cond. (uS/cm) 178.6 178.2 177.9 177.9 178.2 NALYSIS AI (0) (8020) (N (I) (NWTPH-Inctivity) (TDS)	D.O. (mg/L) 0.43 0.40 0.39 0.42 0.41 LLOWED PEWTPH-G) (D) (NWTPH-S) (TSS) (E	6.43 6.43 6.43 6.43 6.43 CR BOTTLE NWTPH-Gx I-Dx) (TPH- GOD) (Turbidahl Nitroger	ORP (mV) 24.3 23.9 23.5 23.3 23.8 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity	#DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (6	non-standard a	nalysis below) WA WA WA	Observations OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 21.1 21.0 20.9 20.9 21.0 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 178.6 178.2 177.9 178.2 NALYSIS AL (D) (8020) (N (H) (NWTPH-lectivity) (TDS) (C) (Total PO4) (de) (WAD Cy) (As) (Sb) (D.O. (mg/L) 0.43 0.40 0.39 0.42 0.41 LOWED PF WTPH-G) (D) (NWTPH-G) (Total Kiesanide) (Free Ba) (Be) (Ca)	pH 6.43 6.43 6.43 6.43 6.43 ER BOTTLE NWTPH-Gx I-Dx) (TPH-IOD) (Turbit dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 24.3 23.9 23.5 23.8 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity h) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (Oil NO2) (Pb) (Mg) (Mn) (non-standard a case) CI) (SO4) (NO	malysis below) WA WA O WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR g) (K) (Na)
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 21.1 21.0 20.9 20.9 21.0 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M	Cond. (uS/cm) 178.6 178.2 177.9 178.2 NALYSIS AL (0) (8020) (N (1) (NWTPH-lactivity) (TDS) (C) (Total PO4 (de) (WAD Cy (de) (As) (Sb) (detals) (As) (Sb) (Sb)	D.O. (mg/L) 0.43 0.40 0.39 0.42 0.41 LOWED PF WTPH-G) (D) (NWTPH-G) (Total Kiesanide) (Free Ba) (Be) (Ca)	pH 6.43 6.43 6.43 6.43 6.43 ER BOTTLE NWTPH-Gx I-Dx) (TPH-IOD) (Turbit dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 24.3 23.9 23.5 23.8 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity h) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (Oil NO2) (Pb) (Mg) (Mn) (non-standard a case) CI) (SO4) (NO	malysis below) WA WA O WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR g) (K) (Na)
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 21.1 21.0 20.9 20.9 21.0 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 178.6 178.2 177.9 178.2 NALYSIS AL (0) (8020) (N (1) (NWTPH-lactivity) (TDS) (C) (Total PO4 (de) (WAD Cy (de) (As) (Sb) (detals) (As) (Sb) (Sb)	D.O. (mg/L) 0.43 0.40 0.39 0.42 0.41 LOWED PF WTPH-G) (D) (NWTPH-G) (Total Kiesanide) (Free Ba) (Be) (Ca)	pH 6.43 6.43 6.43 6.43 6.43 ER BOTTLE NWTPH-Gx I-Dx) (TPH-IOD) (Turbit dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 24.3 23.9 23.5 23.8 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity h) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (Oil NO2) (Pb) (Mg) (Mn) (non-standard a case) CI) (SO4) (NO	malysis below) WA WA O WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR g) (K) (Na)
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 21.1 21.0 20.9 20.9 21.0 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Tool (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 178.6 178.2 177.9 178.2 NALYSIS AL (0) (8020) (N (1) (NWTPH-lactivity) (TDS) (C) (Total PO4 (de) (WAD Cy (de) (As) (Sb) (detals) (As) (Sb) (Sb)	D.O. (mg/L) 0.43 0.40 0.39 0.42 0.41 LOWED PERMITPH-G) (CD) (NWTPH-GS) (TSS) (ED) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca)	pH 6.43 6.43 6.43 6.43 6.43 ER BOTTLE NWTPH-Gx I-Dx) (TPH-IOD) (Turbit dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 24.3 23.9 23.5 23.8 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity h) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (Oil NO2) (Pb) (Mg) (Mn) (non-standard a case) CI) (SO4) (NO	malysis below) WA WA O WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR g) (K) (Na)
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 21.1 21.0 20.9 20.9 21.0 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Tool (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 178.6 178.2 177.9 177.9 178.2 NALYSIS AL (D) (8020) (N (H) (NWTPH-Inctivity) (TDS) (C) (Total PO4) (le) (WAD Cy) (As) (Sb) (Second of the condition of the c	D.O. (mg/L) 0.43 0.40 0.39 0.42 0.41 LOWED PERMITPH-G) (CD) (NWTPH-GS) (TSS) (ED) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca)	pH 6.43 6.43 6.43 6.43 6.43 ER BOTTLE NWTPH-Gx I-Dx) (TPH-IOD) (Turbit dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 24.3 23.9 23.5 23.8 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity h) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (Oil NO2) (Pb) (Mg) (Mn) (non-standard a case) CI) (SO4) (NO	malysis below) WA WA O WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR g) (K) (Na)
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 21.1 21.0 20.9 20.9 21.0 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Tool (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 178.6 178.2 177.9 177.9 178.2 NALYSIS AL (D) (8020) (N (H) (NWTPH-Inctivity) (TDS) (C) (Total PO4) (le) (WAD Cy) (As) (Sb) (Setals) (As) (Sb) (g short list)	D.O. (mg/L) 0.43 0.40 0.39 0.42 0.41 LOWED PERMITPH-G) (CD) (NWTPH-GS) (TSS) (ED) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca)	pH 6.43 6.43 6.43 6.43 6.43 ER BOTTLE NWTPH-Gx I-Dx) (TPH-IOD) (Turbit dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 24.3 23.9 23.5 23.8 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity h) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (Oil NO2) (Pb) (Mg) (Mn) (non-standard a case) CI) (SO4) (NO	malysis below) WA WA O WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR g) (K) (Na)
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 21.1 21.0 20.9 20.9 21.0 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Tool (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 178.6 178.2 177.9 177.9 178.2 NALYSIS AL (D) (8020) (N (H) (NWTPH-Inctivity) (TDS) (C) (Total PO4) (le) (WAD Cy) (As) (Sb) (Setals) (As) (Sb) (g short list)	D.O. (mg/L) 0.43 0.40 0.39 0.42 0.41 LOWED PERMITPH-G) (CD) (NWTPH-GS) (TSS) (ED) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca)	pH 6.43 6.43 6.43 6.43 6.43 ER BOTTLE NWTPH-Gx I-Dx) (TPH-IOD) (Turbit dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 24.3 23.9 23.5 23.8 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity h) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (Oil NO2) (Pb) (Mg) (Mn) (non-standard a case) CI) (SO4) (NO	malysis below) WA WA O WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR g) (K) (Na)
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 21.1 21.0 20.9 20.9 21.0 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 178.6 178.2 177.9 177.9 178.2 NALYSIS AL (D) (8020) (N (H) (NWTPH-Inctivity) (TDS) (C) (Total PO4) (le) (WAD Cy) (As) (Sb) (Setals) (As) (Sb) (g short list)	D.O. (mg/L) 0.43 0.40 0.39 0.42 0.41 LOWED PERMITPH-G) (CD) (NWTPH-GS) (TSS) (ED) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca)	pH 6.43 6.43 6.43 6.43 6.43 ER BOTTLE NWTPH-Gx I-Dx) (TPH-IOD) (Turbit dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 24.3 23.9 23.5 23.8 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity h) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (Oil NO2) (Pb) (Mg) (Mn) (non-standard a case) CI) (SO4) (NO	malysis below) WA WA O WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR g) (K) (Na)
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 21.1 21.0 20.9 20.9 21.0 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 178.6 178.2 177.9 177.9 178.2 NALYSIS AL (D) (8020) (N (H) (NWTPH-Inctivity) (TDS) (C) (Total PO4) (le) (WAD Cy) (As) (Sb) (Setals) (As) (Sb) (g short list)	D.O. (mg/L) 0.43 0.40 0.39 0.42 0.41 LOWED PERMITPH-G) (CD) (NWTPH-GS) (TSS) (ED) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca)	pH 6.43 6.43 6.43 6.43 6.43 ER BOTTLE NWTPH-Gx I-Dx) (TPH-IOD) (Turbit dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 24.3 23.9 23.5 23.8 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity h) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (Oil NO2) (Pb) (Mg) (Mn) (non-standard a case) CI) (SO4) (NO	malysis below) WA WA O WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR g) (K) (Na)
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 21.1 21.0 20.9 20.9 21.0 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 178.6 178.2 177.9 177.9 178.2 NALYSIS AL (D) (8020) (N (H) (NWTPH-Inctivity) (TDS) (C) (Total PO4) (le) (WAD Cy) (As) (Sb) (Setals) (As) (Sb) (g short list)	D.O. (mg/L) 0.43 0.40 0.39 0.42 0.41 LOWED PERMITPH-G) (CD) (NWTPH-GS) (TSS) (ED) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca)	pH 6.43 6.43 6.43 6.43 6.43 ER BOTTLE NWTPH-Gx I-Dx) (TPH-IOD) (Turbit dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 24.3 23.9 23.5 23.8 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity h) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (Oil NO2) (Pb) (Mg) (Mn) (non-standard a case) CI) (SO4) (NO	malysis below) WA WA O WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR



Project Nam	e:	Boeing Ren	iton		Project Numbe	r:	0025217.099.0	99	
Event:		May-20			Date/Time:	05/11 /2020@	1347		
Sample Nun	nber:	RGW184S-	200511		Weather:	SUNNY			
Landau Rep	resentative:	CEB							
WATER LEV	/EL/WELL/PU	JRGE DATA							
Well Condition		Secure (YES	5)	Damaged (N	O)	Describe:	Flush Mount		
DTW Before	Purging (ft)	8.54	Time:	1322	Flow through ce	ll vol.		GW Meter No.(s	s SLOPE4
Begin Purge:	Date/Time:		1325	End Purge:	_	05/ 11 /2020 @	1341	Gallons Purged:	0.3
Purge water d	lisposed to:		55-gal Drum		Storage Tank	Ground	Other	SITE TREATM	ENT SYSTEM
	Temp	Cond.	D.O.	pН	ORP	Turbidity	DTW	Internal Purge	Comments/
Time	(°F/°C)	(uS/cm)	(mg/L)	pm	(mV)	(NTU)	(ft)	Volume (gal)	Observations
	_					lings within the fo	~	>/= 1 flow	
	+/- 3%	+/- 3%		+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
1325	18.5	171.2	1.07	6.22	54.1		8.54		
1328	19.7	175.1	0.82	6.27	48.2		8.54		
1331	20.9	179.4	0.53	6.32	41.9		8.54		
1334	21.1	180.9	0.35	6.34	37.0				
1337	21.2	181.0	0.35	6.35	31.5				
1340	21.3	181.1	0.34	6.35	34.5				
	· 							· 	
SAMPLE CO	LLECTION I	<u></u>							
Sample Colle			Bailer		Pump/Pump Type	<u> </u>			
Made of:		Stainless Ste	_	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proced	lure:	Alconox Wa	sh 🗍	Tap Rinse	DI Water	Dedicated			
					Ш =	ш			
(By Numerica	ıl Order)	Other			—				
		_	r, sheen, etc.):	CLEAR CO	LORLESS NO O	DOR NO SHEEN			
		_	· · · /_		LORLESS NO O	DOR NO SHEEN			
		_	D.O. (mg/L)	CLEAR CO	ORP (mV)	DOR NO SHEEN Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
Sample Descr	Temp	turbidity, odor	D.O.		ORP	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)	D.O. (mg/L)	рН 6.34	ORP (mV)	Turbidity			
Replicate 1 2	Temp (°F/°C) 21.4 21.4	Cond. (uS/cm) 181.2	D.O. (mg/L) 0.31 0.30	рН 6.34 6.35	ORP (mV) 34.0 33.7	Turbidity			
Replicate 1 2 3 4	Temp (°F/°C) 21.4 21.5 21.5	Cond. (uS/cm) 181.2 181.3 181.3	D.O. (mg/L) 0.31 0.30 0.32	pH 6.34 6.35 6.35 6.35	ORP (mV) 34.0 33.7 33.3 32.9	Turbidity (NTU)			
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.4 21.5 21.5 21.5	Cond. (uS/cm) 181.2 181.3 181.5 181.3	D.O. (mg/L) 0.31 0.30 0.32 0.32	pH 6.34 6.35 6.35 6.35 6.35	ORP (mV) 34.0 33.7 33.3 32.9 33.5	Turbidity (NTU) #DIV/0!	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.4 21.5 21.5 21.5 TYPICAL A	Cond. (uS/cm) 181.2 181.3 181.3 181.5 181.3	D.O. (mg/L) 0.31 0.30 0.32 0.32 0.31	6.34 6.35 6.35 6.35 6.35	ORP (mV) 34.0 33.7 33.3 32.9 33.5 TYPE (Circle a)	Turbidity (NTU)	(ft)	(Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.4 21.5 21.5 21.5 21.5 TYPICAL A (8260) (8010	Cond. (uS/cm) 181.2 181.3 181.3 181.5 181.3 NALYSIS AI 0) (8020) (N	D.O. (mg/L) 0.31 0.30 0.32 0.31 LLOWED PERMYTPH-G) (mg/L)	6.34 6.35 6.35 6.35 6.35 CR BOTTLE	ORP (mV) 34.0 33.7 33.3 32.9 33.5 TYPE (Circle apple) (BTEX)	Turbidity (NTU) #DIV/0!	(ft)	nalysis below)	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.4 21.5 21.5 21.5 21.5 (8260) (8010 (8270) (PAF	Cond. (uS/cm) 181.2 181.3 181.3 181.5 181.3 NALYSIS AI 0) (8020) (NH) (NWTPH-	D.O. (mg/L) 0.31 0.30 0.32 0.32 0.31 LLOWED PENWTPH-G) (6.34 6.35 6.35 6.35 6.35 CR BOTTLE NWTPH-GX 1-Dx) (TPH-	ORP (mV) 34.0 33.7 33.3 32.9 33.5 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) 21.4 21.5 21.5 21.5 21.5 (8260) (8010 (8270) (PAF (pH) (Condu	Cond. (uS/cm) 181.2 181.3 181.3 181.5 NALYSIS AI 0) (8020) (NH) (NWTPH- uctivity) (TD:	D.O. (mg/L) 0.31 0.30 0.32 0.32 0.31 LLOWED PENWTPH-G) (D) (NWTPH S) (TSS) (B	6.34 6.35 6.35 6.35 6.35 CR BOTTLE NWTPH-GX 1-Dx) (TPH-IOD) (Turbic)	ORP (mV) 34.0 33.7 33.3 32.9 33.5 TYPE (Circle a) (BTEX) HCID) (8081)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (O	non-standard a	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 21.4 21.5 21.5 21.5 21.5 21.6 (8260) (8010 (8270) (PAH (PH) (Conduction) (Too	Cond. (uS/cm) 181.2 181.3 181.3 181.5 NALYSIS AI 0) (8020) (NH) (NWTPH- uctivity) (TD:	D.O. (mg/L) 0.31 0.30 0.32 0.32 0.31 LLOWED PENWTPH-G) (D) (NWTPH S) (TSS) (B4) (Total Kie	6.34 6.35 6.35 6.35 6.35 CR BOTTLE NWTPH-Gx 1-Dx) (TPH-DO) (Turbid dall Nitroger	ORP (mV) 34.0 33.7 33.3 32.9 33.5 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (O	non-standard a	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 21.4 21.5 21.5 21.5 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanic	Cond. (uS/cm) 181.2 181.3 181.3 181.5 181.3 NALYSIS AI (0) (8020) (NH) (NWTPHactivity) (TDecention of the content of the	D.O. (mg/L) 0.31 0.30 0.32 0.31 LLOWED PENWTPH-G) (NWTPH-S) (TSS) (Bd) (Total Kiewanide) (Free	6.34 6.35 6.35 6.35 6.35 CR BOTTLE NWTPH-Gx (I-Dx) (TPH-GOD) (Turbic dahl Nitroger Cyanide)	ORP (mV) 34.0 33.7 33.3 32.9 33.5 TYPE (Circle aportion (S081) (BTEX) HCID) (8081) (dity) (Alkalinity) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (O	non-standard a ase) Cl) (SO4) (NO	nalysis below) WA WA ON O	Observations OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 21.4 21.5 21.5 21.5 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Conduction (COD) (Total Cyanical Cyanical Cyanical Cyanical Code) (Dissolved M	Cond. (uS/cm) 181.2 181.3 181.3 181.5 181.3 NALYSIS AI (NWTPH-activity) (TD: (C) (Total POde) (WAD Cy) (As) (Sb) (Steals) (As) (Steals) (As) (Steals)	D.O. (mg/L) 0.31 0.30 0.32 0.31 LLOWED PENWTPH-G) (D) (NWTPH-S) (TSS) (B4) (Total Kielyanide) (FreelBa) (Be) (Called Called	pH 6.34 6.35 6.35 6.35 6.35 CR BOTTLE NWTPH-GX I-Dx) (TPH-IOD) (Turbid dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 34.0 33.7 33.3 32.9 33.5 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity a) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (O/NO2) (Pb) (Mg) (Mn) (non-standard a ase) CI) (SO4) (NO	nalysis below) WA WA OB WA OB WA OB WA OB WA	Observations OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 21.4 21.5 21.5 21.5 21.5 21.6 (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanica (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 181.2 181.3 181.5 181.3 NALYSIS AI (0) (8020) (N H) (NWTPH- (activity) (TD) (C) (Total PO- (de) (WAD Cy (de) (WAD Cy (de) (As) (Sb) (etals) (As) (Sb) (geshort list)	D.O. (mg/L) 0.31 0.30 0.32 0.32 0.31 LLOWED PENWTPH-G) (D) (NWTPH-G) (D) (NWTPH-G) (E) (Total Kie (ranide) (Free (ran	pH 6.34 6.35 6.35 6.35 6.35 CR BOTTLE NWTPH-GX I-Dx) (TPH-IOD) (Turbid dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 34.0 33.7 33.3 32.9 33.5 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity a) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (O/NO2) (Pb) (Mg) (Mn) (non-standard a ase) CI) (SO4) (NO	nalysis below) WA WA OB WA OB WA OB WA OB WA	Observations OR OR OR OR Graph Graph
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 21.4 21.5 21.5 21.5 21.5 21.6 (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanica (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 181.2 181.3 181.3 181.5 181.3 NALYSIS AI (NWTPH-activity) (TD: (C) (Total POde) (WAD Cy) (As) (Sb) (Steals) (As) (Steals) (As) (Steals)	D.O. (mg/L) 0.31 0.30 0.32 0.32 0.31 LLOWED PENWTPH-G) (D) (NWTPH-G) (D) (NWTPH-G) (E) (Total Kie (ranide) (Free (ran	pH 6.34 6.35 6.35 6.35 6.35 CR BOTTLE NWTPH-GX I-Dx) (TPH-IOD) (Turbid dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 34.0 33.7 33.3 32.9 33.5 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity a) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (O/NO2) (Pb) (Mg) (Mn) (non-standard a ase) CI) (SO4) (NO	nalysis below) WA WA OB WA OB WA OB WA OB WA	Observations OR OR OR OR Graph Graph
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 21.4 21.5 21.5 21.5 21.5 21.6 (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanica (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 181.2 181.3 181.5 181.3 NALYSIS AI (0) (8020) (N H) (NWTPH- (activity) (TD) (C) (Total PO- (de) (WAD Cy (de) (WAD Cy (de) (As) (Sb) (etals) (As) (Sb) (geshort list)	D.O. (mg/L) 0.31 0.30 0.32 0.32 0.31 LLOWED PENWTPH-G) (D) (NWTPH-G) (D) (NWTPH-G) (E) (Total Kie (ranide) (Free (ran	pH 6.34 6.35 6.35 6.35 6.35 CR BOTTLE NWTPH-GX I-Dx) (TPH-IOD) (Turbid dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 34.0 33.7 33.3 32.9 33.5 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity a) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (O/NO2) (Pb) (Mg) (Mn) (non-standard a ase) CI) (SO4) (NO	nalysis below) WA WA OB WA OB WA OB WA OB WA	Observations OR OR OR OR Graph Graph
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 21.4 21.5 21.5 21.5 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanical Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 181.2 181.3 181.5 181.3 NALYSIS AI (0) (8020) (N H) (NWTPH- (activity) (TD) (C) (Total PO- (de) (WAD Cy (de) (WAD Cy (de) (As) (Sb) (etals) (As) (Sb) (geshort list)	D.O. (mg/L) 0.31 0.30 0.32 0.32 0.31 LLOWED PENWTPH-G) (D) (NWTPH-G) (D) (NWTPH-G) (E) (Total Kie (ranide) (Free (ran	pH 6.34 6.35 6.35 6.35 6.35 CR BOTTLE NWTPH-GX I-Dx) (TPH-IOD) (Turbid dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 34.0 33.7 33.3 32.9 33.5 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity a) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (O/NO2) (Pb) (Mg) (Mn) (non-standard a ase) CI) (SO4) (NO	nalysis below) WA WA OB WA OB WA OB WA OB WA	Observations OR OR OR OR Graph Graph
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 21.4 21.5 21.5 21.5 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanic (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 181.2 181.3 181.5 181.3 NALYSIS AI (0) (8020) (N H) (NWTPH- (activity) (TD) (C) (Total PO- (de) (WAD Cy (de) (WAD Cy (de) (As) (Sb) (etals) (As) (Sb) (geshort list)	D.O. (mg/L) 0.31 0.30 0.32 0.32 0.31 LLOWED PENWTPH-G) (D) (NWTPH-G) (D) (NWTPH-G) (E) (Total Kie (ranide) (Free (ran	pH 6.34 6.35 6.35 6.35 6.35 CR BOTTLE NWTPH-GX I-Dx) (TPH-IOD) (Turbid dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 34.0 33.7 33.3 32.9 33.5 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity a) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (O/NO2) (Pb) (Mg) (Mn) (non-standard a ase) CI) (SO4) (NO	nalysis below) WA WA OB WA OB WA OB WA OB WA	Observations OR OR OR OR Graph Graph
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 21.4 21.5 21.5 21.5 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanic (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 181.2 181.3 181.5 181.3 NALYSIS AI (0) (8020) (N H) (NWTPH- (activity) (TD) (C) (Total PO- (de) (WAD Cy (de) (WAD Cy (de) (As) (Sb) (etals) (As) (Sb) (geshort list)	D.O. (mg/L) 0.31 0.30 0.32 0.32 0.31 LLOWED PENWTPH-G) (D) (NWTPH-G) (D) (NWTPH-G) (E) (Total Kie (ranide) (Free (ran	pH 6.34 6.35 6.35 6.35 6.35 CR BOTTLE NWTPH-GX I-Dx) (TPH-IOD) (Turbid dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 34.0 33.7 33.3 32.9 33.5 TYPE (Circle a) (BTEX) HCID) (8081) (dity) (Alkalinity a) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (O/NO2) (Pb) (Mg) (Mn) (non-standard a ase) CI) (SO4) (NO	nalysis below) WA WA OB WA OB WA OB WA OB WA	Observations OR OR OR OR Graph Graph



Project Nam	ne:	Boeing Ren	iton		Project Numbe	r:	0025217.099.0	99	
Event:		May-20		_	Date/Time:	05/ 11 /2020@	940		
Sample Nun	nber:	RGW211S-	200511		Weather:	PARTLY CLOU	JDY, 60S		
Landau Rep	resentative:	BXM			•				
WATERIEV	VEL/WELL/PU	IRGE DATA							
Well Condition		Secure (YES	<i>5</i>	Damaged (N	(A)	Describe:	Flush Mount		
		`	,				Tiusii Moulit	CWM N	GL ODE 2
DTW Before	0 0 0	9.2	Time:		Flow through ce			GW Meter No.(s	
	Date/Time:	05/ 11 /202		End Purge:		05/11 /2020 @		Gallons Purged:	-
Purge water d	disposed to:		55-gal Drum		Storage Tank	Ground	Other	SITE TREATM	ENT SYSTEM
TO.	Temp	Cond.	D.O.	pН	ORP	Turbidity	DTW	Internal Purge	Comments/
Time	(°F/°C) Purge Goal	(uS/cm) ls: Stablizatio	(mg/L) on of Parame	ters for three	(mV)	(NTU) lings within the fo	(ft)	Volume (gal) >/= 1 flow	Observations
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
914	15.7	194.2	0.76	5.86	25.7		9.22		
							-		
917		236.6	0.51	5.97	-8.4		9.21		
920	16.9	238.7	0.52	6.12	-22.7		9.21		
923	17.0	232.3	0.61	6.16	-26.0				
926	17.1	231.2	0.67	6.17	-27.1				
929	17.3	230.9	0.87	6.19	-28.3				
932	17.4	230.5	0.96	6.21	-27.7				
	-								
	DLLECTION I		D "		D	DI (DDED DEI	NO. TED		
Sample Colle	ected With:		Bailer .	_		BLADDER - DEI			
Made of:	Ų	Stainless Ste	el 🔲	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proced	dure:	Alconox Wa	sh 🔲	Tap Rinse	DI Water	Dedicated			
(By Numerica	al Order)	Other							
		-							
Sample Descr	ription (color,	-	r, sheen, etc.):	BROWN, C	LEAR TO SLIGH	ITLY CLOUDY, N	O SHEEN, NO	ODOR	
		turbidity, odo	· · · /-						Commontal
Sample Descri Replicate	Temp	-	D.O. (mg/L)	BROWN, CI	ORP (mV)	TLY CLOUDY, N Turbidity (NTU)	DTW (ft)	ODOR Ferrous iron (Fe II)	Comments/ Observations
Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity	DTW	Ferrous iron	
Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	рН 6.21	ORP (mV)	Turbidity	DTW	Ferrous iron	
Replicate 1 2	Temp (°F/°C) 17.4	Cond. (uS/cm) 230.2 230.3	D.O. (mg/L) 0.99	pH 6.21 6.22	ORP (mV) -28.0 -27.9	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) 17.4	Cond. (uS/cm) 230.2 230.3	D.O. (mg/L) 0.99	pH 6.21 6.22	ORP (mV) -28.0 -27.9	Turbidity	DTW	Ferrous iron	
Replicate 1 2 3	Temp (°F/°C) 17.4 17.4	Cond. (uS/cm) 230.2 230.3	D.O. (mg/L) 0.99 1.01	pH 6.21 6.22 6.22	ORP (mV) -28.0 -27.9 -28.0	Turbidity	DTW	Ferrous iron	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.4 17.4 17.4 17.4	Cond. (uS/cm) 230.2 230.3 229.7 229.8 230.0	D.O. (mg/L) 0.99 1.01 1.03 1.05	6.21 6.22 6.22 6.22 6.22	ORP (mV) -28.0 -27.9 -28.0 -28.3 -28.1	Turbidity (NTU) #DIV/0!	DTW (ft)	Ferrous iron (Fe II)	
Replicate 1 2 3 4	Temp (°F/°C) 17.4 17.4 17.4 17.4 17.4	Cond. (uS/cm) 230.2 230.3 229.7 229.8 230.0 NALYSIS A	D.O. (mg/L) 0.99 1.01 1.03 1.05 1.02	6.21 6.22 6.22 6.22 6.22 6.22	ORP (mV) -28.0 -27.9 -28.0 -28.3 -28.1 TYPE (Circle a)	Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.4 17.4 17.4 17.4 17.4 17.4 (8260) (8010	Cond. (uS/cm) 230.2 230.3 229.7 229.8 230.0 NALYSIS Al 0) (8020) (1	D.O. (mg/L) 0.99 1.01 1.03 1.05 1.02 LLOWED PF	6.21 6.22 6.22 6.22 6.22 CR BOTTLE	ORP (mV) -28.0 -27.9 -28.0 -28.1 TYPE (Circle aport) (BTEX)	Turbidity (NTU) #DIV/0!	DTW (ft)	Ferrous iron (Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.4 17.4 17.4 17.4 17.4 17.4 (8260) (8010 (8270) (PAF	Cond. (uS/cm) 230.2 230.3 229.7 229.8 230.0 NALYSIS Al (0) (8020) (NI) (NWTPH-	D.O. (mg/L) 0.99 1.01 1.03 1.05 1.02 LLOWED PRINTPH-G) (6.21 6.22 6.22 6.22 6.22 6.22 KR BOTTLE NWTPH-GX I-DX) (TPH-	ORP (mV) -28.0 -27.9 -28.0 -28.3 -28.1 TYPE (Circle a) (BTEX) HCID) (8081)	Turbidity (NTU) #DIV/0!	DTW (ft)	Ferrous iron (Fe II) malysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.4 17.4 17.4 17.4 17.4 (8260) (8010 (8270) (PAF (pH) (Condu	Cond. (uS/cm) 230.2 230.3 229.7 229.8 230.0 NALYSIS Al (0) (8020) (NWTPH- activity) (TD	D.O. (mg/L) 0.99 1.01 1.03 1.05 1.02 LLOWED PENWTPH-G) (NWTPH-G) (NWTPH-G) (TSS) (ESS) (ESS)	6.21 6.22 6.22 6.22 6.22 6.22 ER BOTTLE NWTPH-GX I-Dx) (TPH-GOD) (Turbic	ORP (mV) -28.0 -27.9 -28.0 -28.3 -28.1 TYPE (Circle a) (BTEX) HCID) (8081)	#DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (6	DTW (ft)	Ferrous iron (Fe II) malysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.4 17.4 17.4 17.4 17.4 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (TOO	Cond. (uS/cm) 230.2 230.3 229.7 229.8 230.0 NALYSIS Al (0) (8020) (NWTPH- activity) (TD	D.O. (mg/L) 0.99 1.01 1.03 1.05 1.02 LLOWED PF NWTPH-G) (D) (NWTPH-S) (TSS) (E4) (Total Kie	6.21 6.22 6.22 6.22 6.22 6.22 CR BOTTLE (NWTPH-Gx) I-Dx) (TPH-BOD) (Turbic dahl Nitroger	ORP (mV) -28.0 -27.9 -28.0 -28.3 -28.1 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity	#DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (6	DTW (ft)	Ferrous iron (Fe II) malysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.4 17.4 17.4 17.4 17.4 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Tool (Total Cyanic	Cond. (uS/cm) 230.2 230.3 229.7 229.8 230.0 NALYSIS Al 0) (8020) (N H) (NWTPH- ctivity) (TD C) (Total PO le) (WAD Cy	D.O. (mg/L) 0.99 1.01 1.03 1.05 1.02 LLOWED PENWTPH-G) (i.d.) (NWTPF-S) (TSS) (E4) (Total Kievanide) (Freevanide) (Freevanide) (Freevanide) (Freevanide) (Freevanide)	6.21 6.22 6.22 6.22 6.22 6.22 CR BOTTLE NWTPH-Gx I-Dx) (TPH- BOD) (Turbic odahl Nitroger Cyanide)	ORP (mV) -28.0 -27.9 -28.3 -28.1 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity a) (NH3) (NO3)	#DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (6	DTW (ft) non-standard and anaece) CI) (SO4) (NO	Ferrous iron (Fe II) malysis below) WA WA WA O WA WA	Observations OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.4 17.4 17.4 17.4 17.4 17.4 17.4 (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Tood (Total Cyanid (Total Metals	Cond. (uS/cm) 230.2 230.3 229.7 229.8 230.0 NALYSIS Al (0) (8020) (NH) (NWTPHactivity) (TD (C) (Total PO) (de) (WAD C) (de) (WAD C) (As) (Sb) (Sb) (Sb) (Cond.)	D.O. (mg/L) 0.99 1.01 1.03 1.05 1.02 LLOWED PP NWTPH-G) (D) (NWTPF S) (TSS) (E 4) (Total Kie yanide) (Free Ba) (Be) (Ca	6.21 6.22 6.22 6.22 6.22 6.22 ER BOTTLE (NWTPH-Gx, I-Dx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (Turbic dahl Nitroger e Cyanide) a) (Cd) (Co)	ORP (mV) -28.0 -27.9 -28.3 -28.1 TYPE (Circle approximately (BTEX) HCID) (8081) dity) (Alkalinity n) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (ONO2) (Pb) (Mg) (Mn) (DTW (ft) non-standard and anaece) CI) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.4 17.4 17.4 17.4 17.4 17.4 17.4 (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Tood (Total Cyanid (Total Metals	Cond. (uS/cm) 230.2 230.3 229.7 229.8 230.0 NALYSIS Al (0) (8020) (NH) (NWTPH- activity) (TD (C) (Total PO- dle) (WAD Cy (etals) (As) (Sb) (Setals) (As) (Sb)	D.O. (mg/L) 0.99 1.01 1.03 1.05 1.02 LLOWED PP NWTPH-G) (D) (NWTPF S) (TSS) (E 4) (Total Kie yanide) (Free Ba) (Be) (Ca	6.21 6.22 6.22 6.22 6.22 6.22 ER BOTTLE (NWTPH-Gx, I-Dx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (Turbic dahl Nitroger e Cyanide) a) (Cd) (Co)	ORP (mV) -28.0 -27.9 -28.3 -28.1 TYPE (Circle approximately (BTEX) HCID) (8081) dity) (Alkalinity n) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (ONO2) (Pb) (Mg) (Mn) (DTW (ft) non-standard and anaece) CI) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.4 17.4 17.4 17.4 17.4 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Too (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 230.2 230.3 229.7 229.8 230.0 NALYSIS Al (0) (8020) (NH) (NWTPH- activity) (TD (C) (Total PO- dle) (WAD Cy (etals) (As) (Sb) (Setals) (As) (Sb)	D.O. (mg/L) 0.99 1.01 1.03 1.05 1.02 LLOWED PF NWTPH-G) (D) (NWTPF S) (TSS) (E 4) (Total Kie yanide) (Free Ba) (Be) (Ca b) (Ba) (Be) (Ca	6.21 6.22 6.22 6.22 6.22 6.22 ER BOTTLE (NWTPH-Gx, I-Dx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (Turbic dahl Nitroger e Cyanide) a) (Cd) (Co)	ORP (mV) -28.0 -27.9 -28.3 -28.1 TYPE (Circle approximately (BTEX) HCID) (8081) dity) (Alkalinity n) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (ONO2) (Pb) (Mg) (Mn) (DTW (ft) non-standard and anaece) CI) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.4 17.4 17.4 17.4 17.4 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Too (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 230.2 230.3 229.7 229.8 230.0 NALYSIS Al (0) (8020) (N H) (NWTPH- (ctivity) (TD C) (Total PO (de) (WAD Cy (de) (As) (Sb) (geshort list)	D.O. (mg/L) 0.99 1.01 1.03 1.05 1.02 LLOWED PF NWTPH-G) (D) (NWTPF S) (TSS) (E 4) (Total Kie yanide) (Free Ba) (Be) (Ca b) (Ba) (Be) (Ca	6.21 6.22 6.22 6.22 6.22 6.22 ER BOTTLE (NWTPH-Gx, I-Dx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (Turbic dahl Nitroger e Cyanide) a) (Cd) (Co)	ORP (mV) -28.0 -27.9 -28.3 -28.1 TYPE (Circle approximately (BTEX) HCID) (8081) dity) (Alkalinity n) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (ONO2) (Pb) (Mg) (Mn) (DTW (ft) non-standard and anaece) CI) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.4 17.4 17.4 17.4 17.4 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Too (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 230.2 230.3 229.7 229.8 230.0 NALYSIS Al (0) (8020) (N H) (NWTPH- (ctivity) (TD C) (Total PO (de) (WAD Cy (de) (As) (Sb) (geshort list)	D.O. (mg/L) 0.99 1.01 1.03 1.05 1.02 LLOWED PF NWTPH-G) (D) (NWTPF S) (TSS) (E 4) (Total Kie yanide) (Free Ba) (Be) (Ca b) (Ba) (Be) (Ca	6.21 6.22 6.22 6.22 6.22 6.22 ER BOTTLE (NWTPH-Gx, I-Dx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (Turbic dahl Nitroger e Cyanide) a) (Cd) (Co)	ORP (mV) -28.0 -27.9 -28.3 -28.1 TYPE (Circle approximately (BTEX) HCID) (8081) dity) (Alkalinity n) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (ONO2) (Pb) (Mg) (Mn) (DTW (ft) non-standard and anaece) CI) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.4 17.4 17.4 17.4 17.4 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Too (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 230.2 230.3 229.7 229.8 230.0 NALYSIS Al (0) (8020) (N H) (NWTPH- (ctivity) (TD C) (Total PO (de) (WAD Cy (de) (As) (Sb) (geshort list)	D.O. (mg/L) 0.99 1.01 1.03 1.05 1.02 LLOWED PF NWTPH-G) (D) (NWTPF S) (TSS) (E 4) (Total Kie yanide) (Free Ba) (Be) (Ca b) (Ba) (Be) (Ca	6.21 6.22 6.22 6.22 6.22 6.22 ER BOTTLE (NWTPH-Gx, I-Dx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (Turbic dahl Nitroger e Cyanide) a) (Cd) (Co)	ORP (mV) -28.0 -27.9 -28.3 -28.1 TYPE (Circle approximately (BTEX) HCID) (8081) dity) (Alkalinity n) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (ONO2) (Pb) (Mg) (Mn) (DTW (ft) non-standard and anaece) CI) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY	Temp (°F/°C) 17.4 17.4 17.4 17.4 17.4 17.4 17.4 17.4	Cond. (uS/cm) 230.2 230.3 229.7 229.8 230.0 NALYSIS Al (0) (8020) (N H) (NWTPH- (ctivity) (TD C) (Total PO (de) (WAD Cy (de) (As) (Sb) (geshort list)	D.O. (mg/L) 0.99 1.01 1.03 1.05 1.02 LLOWED PF NWTPH-G) (D) (NWTPF S) (TSS) (E 4) (Total Kie yanide) (Free Ba) (Be) (Ca b) (Ba) (Be) (Ca	6.21 6.22 6.22 6.22 6.22 6.22 ER BOTTLE (NWTPH-Gx, I-Dx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (Turbic dahl Nitroger e Cyanide) a) (Cd) (Co)	ORP (mV) -28.0 -27.9 -28.3 -28.1 TYPE (Circle approximately (BTEX) HCID) (8081) dity) (Alkalinity n) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (ONO2) (Pb) (Mg) (Mn) (DTW (ft) non-standard and anaece) CI) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 4 Duplicate Sar	Temp (°F/°C) 17.4 17.4 17.4 17.4 17.4 17.4 17.4 17.4	Cond. (uS/cm) 230.2 230.3 229.7 229.8 230.0 NALYSIS Al (0) (8020) (N H) (NWTPH- (ctivity) (TD C) (Total PO (de) (WAD Cy (de) (As) (Sb) (geshort list)	D.O. (mg/L) 0.99 1.01 1.03 1.05 1.02 LLOWED PF NWTPH-G) (D) (NWTPF S) (TSS) (E 4) (Total Kie yanide) (Free Ba) (Be) (Ca b) (Ba) (Be) (Ca	6.21 6.22 6.22 6.22 6.22 6.22 ER BOTTLE (NWTPH-Gx, I-Dx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (Turbic dahl Nitroger e Cyanide) a) (Cd) (Co)	ORP (mV) -28.0 -27.9 -28.3 -28.1 TYPE (Circle approximately (BTEX) HCID) (8081) dity) (Alkalinity n) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (ONO2) (Pb) (Mg) (Mn) (DTW (ft) non-standard and anaece) CI) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY	Temp (°F/°C) 17.4 17.4 17.4 17.4 17.4 17.4 17.4 17.4	Cond. (uS/cm) 230.2 230.3 229.7 229.8 230.0 NALYSIS Al (0) (8020) (N H) (NWTPH- (ctivity) (TD C) (Total PO (de) (WAD Cy (de) (As) (Sb) (geshort list)	D.O. (mg/L) 0.99 1.01 1.03 1.05 1.02 LLOWED PF NWTPH-G) (D) (NWTPF S) (TSS) (E 4) (Total Kie yanide) (Free Ba) (Be) (Ca b) (Ba) (Be) (Ca	6.21 6.22 6.22 6.22 6.22 6.22 ER BOTTLE (NWTPH-Gx, I-Dx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (Turbic dahl Nitroger e Cyanide) a) (Cd) (Co)	ORP (mV) -28.0 -27.9 -28.3 -28.1 TYPE (Circle approximately (BTEX) HCID) (8081) dity) (Alkalinity n) (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Green) (HCO3/CO3) (Oil MC2) (Pb) (Mg) (Mn) (Ni) (Mg) (Mn) (Mg) (Mg) (Mg) (Mg) (Mg) (Mg) (Mg) (Mg	DTW (ft) non-standard and anaece) CI) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR



Project Nam	ne:	Boeing Ren	iton		Project Numbe	r:	0025217.099.0	99	
Event:		May-20		_	Date/Time:	05/ 11 /2020@	1045		
Sample Nun	nber:	RGW212S-	200511		Weather:	SUNNY, HIGH	60S		
Landau Rep	resentative:	BXM			•				
WATERIEV	VEL/WELL/PU	IRGE DATA							
Well Condition		Secure (YES)	Damaged (N	(A)	Describe:	Flush Mount		
		,					Tiusii Moulit	CWM N	GL ODE 2
DTW Before	0 0 0	9.84	Time:		Flow through ce		. 1025	GW Meter No.(s	
	Date/Time:	05/11 /202		End Purge:		05/11 /2020 @	_	Gallons Purged:	-
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)	tous fou thus	(mV)	(NTU)	(ft)	Volume (gal)	Observations
	+/- 3%	+/- 3%		ters for three +/- 0.1 units	+/- 10 mV	lings within the fo +/- 10%	< 0.3 ft	>/= 1 flow through cell	
1017			3.03		52.1	, 20,0	9.94	v. g v	
		230.5		5.74					
1020	16.8	238.3	2.69	5.72	51.2		9.95		
1023	17.8	243.3	3.08	5.74	48.6		9.93		
1026	18.7	248.5	2.99	5.72	48.1				
1029	19.7	255.5	2.87	5.73	47.2				
1032		258.9	2.93	5.74	46.5				
							-		
1035	20.8	263.2	2.90	5.74	46.4		-		
	LLECTION I								
Sample Colle	ected With:		Bailer	_		BLADDER DED		_	
Made of:	띹	Stainless Ste	el 📙	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Procee	dure:	Alconox Wa	sh 🔲	Tap Rinse	DI Water	Dedicated			
(By Numerica	al Order)	Other							
		-							
Sample Descr	ription (color,	-	, sheen, etc.):	BROWN, C	LOUDY TO SLIC	GHTLY CLOUDY,	NO ODOR, NO	SHEEN	
		turbidity, odor	· · · /-				-		Comments
Sample Describer Replicate	Temp (°F/°C)	-	D.O. (mg/L)	BROWN, CI	ORP (mV)	GHTLY CLOUDY, Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity	DTW	Ferrous iron	
Replicate 1	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	рН 5.74	ORP (mV)	Turbidity	DTW	Ferrous iron	
Replicate 1 2	Temp (°F/°C) 21.4 21.3	Cond. (uS/cm) 264.4	D.O. (mg/L) 3.01 2.92	pH 5.74 5.74	ORP (mV) 46.4 46.4	Turbidity	DTW	Ferrous iron	
Replicate 1	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	рН 5.74	ORP (mV) 46.4 46.4 46.7	Turbidity	DTW	Ferrous iron	
Replicate 1 2	Temp (°F/°C) 21.4 21.3	Cond. (uS/cm) 264.4	D.O. (mg/L) 3.01 2.92	pH 5.74 5.74	ORP (mV) 46.4 46.4	Turbidity	DTW	Ferrous iron	
Replicate 1 2 3	Temp (°F/°C) 21.4 21.3 21.2	Cond. (uS/cm) 264.4 265.1 266.1	D.O. (mg/L) 3.01 2.92 3.10	pH 5.74 5.74 5.74	ORP (mV) 46.4 46.4 46.7	Turbidity	DTW	Ferrous iron	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.4 21.3 21.2 21.7 21.4	Cond. (uS/cm) 264.4 265.1 266.9 265.6	D.O. (mg/L) 3.01 2.92 3.10 2.97 3.00	pH 5.74 5.74 5.74 5.74 5.74	ORP (mV) 46.4 46.4 46.7 46.9 46.6	Turbidity (NTU) #DIV/0!	DTW (ft)	Ferrous iron (Fe II)	
Replicate 1 2 3 4	Temp (°F/°C) 21.4 21.3 21.2 21.7 21.4	Cond. (uS/cm) 264.4 265.1 266.1 266.9 265.6	D.O. (mg/L) 3.01 2.92 3.10 2.97 3.00 LLOWED PF	5.74 5.74 5.74 5.74 5.74 5.74 5.74	ORP (mV) 46.4 46.4 46.7 46.9 46.6	Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.4 21.3 21.2 21.7 21.4 TYPICAL A (8260) (8010	Cond. (uS/cm) 264.4 265.1 266.1 266.9 265.6 NALYSIS AI (0) (8020) (N	D.O. (mg/L) 3.01 2.92 3.10 2.97 3.00 LLOWED PF	5.74 5.74 5.74 5.74 5.74 5.74 ER BOTTLE NWTPH-GX	ORP (mV) 46.4 46.7 46.9 46.6 TYPE (Circle aport) (BTEX)	Turbidity (NTU) #DIV/0! pplicable or write	DTW (ft)	Ferrous iron (Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.4 21.3 21.2 21.7 21.4 TYPICAL A (8260) (8010) (8270) (PAF	Cond. (uS/cm) 264.4 265.1 266.1 266.9 265.6 NALYSIS AI 0) (8020) (NH) (NWTPH-	D.O. (mg/L) 3.01 2.92 3.10 2.97 3.00 LLOWED PP	5.74 5.74 5.74 5.74 5.74 5.74 5.74 ER BOTTLE NWTPH-GX I-DX) (TPH-	ORP (mV) 46.4 46.4 46.7 46.9 46.6 TYPE (Circle a) (BTEX) HCID) (8081)	Turbidity (NTU) #DIV/0!	DTW (ft)	Ferrous iron (Fe II) nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.4 21.3 21.2 21.7 21.4 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu	Cond. (uS/cm) 264.4 265.1 266.1 266.9 265.6 NALYSIS AI 0) (8020) (NH) (NWTPH-activity) (TD	D.O. (mg/L) 3.01 2.92 3.10 2.97 3.00 LLOWED PENWTPH-G) (NWTPH-S) (NWTPH-S) (TSS) (B	5.74 5.74 5.74 5.74 5.74 5.74 5.74 ER BOTTLE (NWTPH-Gx) I-Dx) (TPH-GOD) (Turbic	ORP (mV) 46.4 46.4 46.7 46.9 46.6 TYPE (Circle a) (BTEX) HCID) (8081)	#DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (DTW (ft)	Ferrous iron (Fe II) nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.4 21.3 21.2 21.7 21.4 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu	Cond. (uS/cm) 264.4 265.1 266.1 266.9 265.6 NALYSIS AI 0) (8020) (NH) (NWTPH-activity) (TD	D.O. (mg/L) 3.01 2.92 3.10 2.97 3.00 LLOWED PENTTH-G) (D) (NWTPH-S) (TSS) (E) (TSS) (E) (Total Kie	5.74 5.74 5.74 5.74 5.74 5.74 5.74 5.74	ORP (mV) 46.4 46.7 46.9 46.6 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity	#DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (DTW (ft)	Ferrous iron (Fe II) nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.4 21.3 21.2 21.7 21.4 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Tool (Total Cyanic	Cond. (uS/cm) 264.4 265.1 266.1 266.9 265.6 NALYSIS AI 0) (8020) (N H) (NWTPH- lectivity) (TD C) (Total PO-	D.O. (mg/L) 3.01 2.92 3.10 2.97 3.00 LLOWED PF NWTPH-G) (D) (NWTPH-S) (ES) (TSS) (ES) (ES) (ES) (ES) (ES) (ES) (ES) (5.74 5.74 5.74 5.74 5.74 5.74 5.74 5.74	ORP (mV) 46.4 46.4 46.9 46.6 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity a) (NH3) (NO3)	#DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (DTW (ft) non-standard and anaece) CI) (SO4) (NO	Ferrous iron (Fe II) malysis below) WA WA WA O WA WA	Observations OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.4 21.3 21.2 21.7 21.4 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Tod (Total Cyanid (Total Metals)	Cond. (uS/cm) 264.4 265.1 266.1 266.9 265.6 NALYSIS AI 0) (8020) (NH) (NWTPHetivity) (TDC) (Total POde) (WAD Cyd) (As) (Sb) (Cond)	D.O. (mg/L) 3.01 2.92 3.10 2.97 3.00 LLOWED PF NWTPH-G) (D) (NWTPH-S) (TSS) (B 4) (Total Kie //anide) (Free Ba) (Be) (Ca	pH 5.74 5.74 5.74 5.74 5.74 5.74 ER BOTTLE (NWTPH-Gx, I-Dx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (Turbic dahl Nitroger et Cyanide) (a) (Cd) (Co)	ORP (mV) 46.4 46.4 46.7 46.9 46.6 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity n) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (eV) (Pb) (Mg) (Mn) (DTW (ft) non-standard and anaecase) CI) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.4 21.3 21.2 21.7 21.4 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Tod (Total Cyanid (Total Metals)	Cond. (uS/cm) 264.4 265.1 266.1 266.9 265.6 NALYSIS AI 0) (8020) (NH) (NWTPH- lectivity) (TD C) (Total PO- le) (WAD Cy) (As) (Sb) (letals) (As) (Sl)	D.O. (mg/L) 3.01 2.92 3.10 2.97 3.00 LLOWED PF NWTPH-G) (D) (NWTPH-S) (TSS) (B 4) (Total Kie //anide) (Free Ba) (Be) (Ca	pH 5.74 5.74 5.74 5.74 5.74 5.74 ER BOTTLE (NWTPH-Gx, I-Dx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (Turbic dahl Nitroger et Cyanide) (a) (Cd) (Co)	ORP (mV) 46.4 46.4 46.7 46.9 46.6 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity n) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (eV) (Pb) (Mg) (Mn) (DTW (ft) non-standard and anaecase) CI) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.4 21.3 21.2 21.7 21.4 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Tool (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 264.4 265.1 266.1 266.9 265.6 NALYSIS AI 0) (8020) (NH) (NWTPH- lectivity) (TD C) (Total PO- le) (WAD Cy) (As) (Sb) (letals) (As) (Sl)	D.O. (mg/L) 3.01 2.92 3.10 2.97 3.00 LLOWED PF NWTPH-G) (D) (NWTPH-S) (TSS) (E) 4) (Total Kie (ranide) (Free (Ba) (Be) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca	pH 5.74 5.74 5.74 5.74 5.74 5.74 ER BOTTLE (NWTPH-Gx, I-Dx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (Turbic dahl Nitroger et Cyanide) (a) (Cd) (Co)	ORP (mV) 46.4 46.4 46.7 46.9 46.6 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity n) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (eV) (Pb) (Mg) (Mn) (DTW (ft) non-standard and anaecase) CI) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.4 21.3 21.2 21.7 21.4 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Tool (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 264.4 265.1 266.1 266.9 265.6 NALYSIS AI 0) (8020) (N H) (NWTPH- activity) (TD C) (Total PO- de) (WAD Cy) (As) (Sb) (etals) (As) (Sl g short list)	D.O. (mg/L) 3.01 2.92 3.10 2.97 3.00 LLOWED PF NWTPH-G) (D) (NWTPH-S) (TSS) (E) 4) (Total Kie (ranide) (Free (Ba) (Be) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca	pH 5.74 5.74 5.74 5.74 5.74 5.74 ER BOTTLE (NWTPH-Gx, I-Dx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (Turbic dahl Nitroger et Cyanide) (a) (Cd) (Co)	ORP (mV) 46.4 46.4 46.7 46.9 46.6 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity n) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (eV) (Pb) (Mg) (Mn) (DTW (ft) non-standard and anaecase) CI) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.4 21.3 21.2 21.7 21.4 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Tool (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 264.4 265.1 266.1 266.9 265.6 NALYSIS AI 0) (8020) (N H) (NWTPH- activity) (TD C) (Total PO- de) (WAD Cy) (As) (Sb) (etals) (As) (Sl g short list)	D.O. (mg/L) 3.01 2.92 3.10 2.97 3.00 LLOWED PF NWTPH-G) (D) (NWTPH-S) (TSS) (E) 4) (Total Kie (ranide) (Free (Ba) (Be) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca	pH 5.74 5.74 5.74 5.74 5.74 5.74 ER BOTTLE (NWTPH-Gx, I-Dx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (Turbic dahl Nitroger et Cyanide) (a) (Cd) (Co)	ORP (mV) 46.4 46.4 46.7 46.9 46.6 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity n) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (ellow) (Pb) (Mg) (Mn) (DTW (ft) non-standard and anaecase) CI) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 21.4 21.3 21.2 21.7 21.4 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Tool (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 264.4 265.1 266.1 266.9 265.6 NALYSIS AI 0) (8020) (N H) (NWTPH- activity) (TD C) (Total PO- de) (WAD Cy) (As) (Sb) (etals) (As) (Sl g short list)	D.O. (mg/L) 3.01 2.92 3.10 2.97 3.00 LLOWED PF NWTPH-G) (D) (NWTPH-S) (TSS) (E) 4) (Total Kie (ranide) (Free (Ba) (Be) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca	pH 5.74 5.74 5.74 5.74 5.74 5.74 ER BOTTLE (NWTPH-Gx, I-Dx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (Turbic dahl Nitroger et Cyanide) (a) (Cd) (Co)	ORP (mV) 46.4 46.4 46.7 46.9 46.6 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity n) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (ellow) (Pb) (Mg) (Mn) (DTW (ft) non-standard and anaecase) CI) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY	Temp (°F/°C) 21.4 21.3 21.2 21.7 21.4 TYPICAL A (8260) (8010 (8270) (PAF (PH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 264.4 265.1 266.1 266.9 265.6 NALYSIS AI 0) (8020) (N H) (NWTPH- activity) (TD C) (Total PO- de) (WAD Cy) (As) (Sb) (etals) (As) (Sl g short list)	D.O. (mg/L) 3.01 2.92 3.10 2.97 3.00 LLOWED PF NWTPH-G) (D) (NWTPH-S) (TSS) (E) 4) (Total Kie (ranide) (Free (Ba) (Be) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca	pH 5.74 5.74 5.74 5.74 5.74 5.74 ER BOTTLE (NWTPH-Gx, I-Dx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (Turbic dahl Nitroger et Cyanide) (a) (Cd) (Co)	ORP (mV) 46.4 46.4 46.7 46.9 46.6 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity n) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (ellow) (Pb) (Mg) (Mn) (DTW (ft) non-standard and anaecase) CI) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 4 Duplicate San	Temp (°F/°C) 21.4 21.3 21.2 21.7 21.4 TYPICAL A (8260) (8010 (8270) (PAF (PH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 264.4 265.1 266.1 266.9 265.6 NALYSIS AI 0) (8020) (N H) (NWTPH- activity) (TD C) (Total PO- de) (WAD Cy) (As) (Sb) (etals) (As) (Sl g short list)	D.O. (mg/L) 3.01 2.92 3.10 2.97 3.00 LLOWED PF NWTPH-G) (D) (NWTPH-S) (TSS) (E) 4) (Total Kie (ranide) (Free (Ba) (Be) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca	pH 5.74 5.74 5.74 5.74 5.74 5.74 ER BOTTLE (NWTPH-Gx, I-Dx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (Turbic dahl Nitroger et Cyanide) (a) (Cd) (Co)	ORP (mV) 46.4 46.4 46.7 46.9 46.6 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity n) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gree) (HCO3/CO3) (ellow) (Pb) (Mg) (Mn) (DTW (ft) non-standard and anaecase) CI) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY	Temp (°F/°C) 21.4 21.3 21.2 21.7 21.4 TYPICAL A (8260) (8010 (8270) (PAF (PH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 264.4 265.1 266.1 266.9 265.6 NALYSIS AI 0) (8020) (N H) (NWTPH- activity) (TD C) (Total PO- de) (WAD Cy) (As) (Sb) (etals) (As) (Sl g short list)	D.O. (mg/L) 3.01 2.92 3.10 2.97 3.00 LLOWED PF NWTPH-G) (D) (NWTPH-S) (TSS) (E) 4) (Total Kie (ranide) (Free (Ba) (Be) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca	pH 5.74 5.74 5.74 5.74 5.74 5.74 ER BOTTLE (NWTPH-Gx, I-Dx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (TPH-Gx) (Turbic dahl Nitroger et Cyanide) (a) (Cd) (Co)	ORP (mV) 46.4 46.4 46.7 46.9 46.6 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity n) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Green) (HCO3/CO3) (Mr) (Pb) (Mg) (Mn) (Ni) (b) (Mg) (Mn) (Ni)	DTW (ft) non-standard and anaecase) CI) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR



Project Name	:	Boeing Rento	on		Project Number:		0025217.099.09	9	_
Event:		May-20			Date/Time:	05/11 /2020@	1311		
Sample Numb	per:	RGW221S-	200511		Weather:	SUNNY			
Landau Repre	esentative:	JAN			-				
WATER LEVE	EL/WELL/PUR	GE DATA							
Well Condition		Secure (YES)		Damaged (NO	D)	Describe:	Flush Mount		
DTW Before P	urging (ft)	9.30	Time:		Flow through cell	vol.		GW Meter No.(s)	1
Begin Purge:		05/ 11/2020 @		End Purge:	_	05/ 11/2020 @	1252	` ^-	0.25
Purge water dis			55-gal Drum		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
	Purge (Goals: Stablizat	tion of Param		consecutive readi	ngs within the follow	ving limits	>/= 1 flow	
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell vol.	
1239	19.2	247.4	2.60	6.23	-1.4		9.30		
1242	21.2	273.7	1.25	6.18	-8.0		9.30		
1245	21.7	269.9	1.15	6.21	-13.6		9.30		
1248	22.2	269.2	1.10	6.22	-15.6				
1251	23.0	270.0	1.09	6.21	-16.2				
-	23.0	270.0	1.07	0.21	10.2				
1254	· 								
1256							-		
SAMPLE COL Sample Collect			Bailer		Pump/Pump Type	DED DI ADDER			
Made of:	ea with:	Stainless Steel		PVC	_	DED. BLADDER	Other	Dedicated	
			_		Teflon	Polyethylene	□ Other	Dedicated	
Decon Procedu		Alconox Wash		Tap Rinse	DI Water	Dedicated			
(By Numerical	ŕ	Other		NO COL OR	LOW TURN ORG	NO CHEEN			
Sample Descrip	otion (color, tur	bidity, odor, she	en, etc.):	NO COLOR,	LOW TURB, ODC	r, no sheen.			
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	23.3	270.1	1.09	6.21	-16.7				
2	23.2	270.1	1.08	6.21	-16.7				
3	23.2	270.1	1.08	6.21	-17.0				
4	23.4	270.2	1.07	6.21	-17.5				
						#DIV/01			
Average:	23.3	270.1	1.08	6.21	-17.0	#DIV/0!			
QUANTITY					<u> </u>	le or write non-stan	dard analysis bel		
5		(8020) (NW				(0.11.0.00)		WA 🗆	OR 🗆
					(Albalinity) (HCt	(Oil & Grease) O3/CO3) (Cl) (SO ₂	4) (NO2) (NO2)	WA L	OR 🗆
1	,	*/ ` ` '		•	NH3) (NO3/NO2)	03/C03) (C1) (SO ²	+) (NO3) (NO2) (F)	
-) (WAD Cyani	1		(113) (1103/1102)				
	` *				(Cu) (Fe) (Pb) (N	Mg) (Mn) (Ni) (Ag)	(Se) (Tl) (V) (Z	Zn) (Hg) (K) (Na)
	(Dissolved Me	tals) (As) (Sb) (Ba) (Be) (Ca)	(Cd) (Co) (Cr)	(Cu) (Fe) (Pb) (Mg) (Mn) (Ni) (Ag) (Se)	(Tl) (V) (Zn) (Hg	g) (K) (Na) (Hardne	ess) (Silica)
	VOC (Boeing	short list)							
	Methane Etha	ne Ethene Acety	ylene						
	-41								
	others								
Duplicate Samp	ple No(s):								
Comments:									
Signature:	JAN					Date:	5/11/2020		



Project Nam	ne:	Boeing Rent	on		Project Number	r:	0025217.099.0	99	
Event:		May-20			Date/Time:	05/11 /2020@	1130		
Sample Nur	nber:	RGW224S-	200511		Weather:	SUNNY, WARN	1		
Landau Rep	resentative:	BXM							
WATER LEV	VEL/WELL/PU	JRGE DATA							
Well Condition	on:	Secure (YES))	Damaged (N	O)	Describe:	Flush Mount		
DTW Before	Purging (ft)	10.16	Time:	1102	Flow through cel	ll vol.		GW Meter No.(s SLOPE 2
	Date/Time:			End Purge:	_	05/ 11 /2020 @	1125	Gallons Purged:	
Purge water of			55-gal Drum	Ě	Storage Tank	Ground		SITE TREATM	-
8	1	_		_	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
	` ,	` ,		ters for three	` /	lings within the fol	` '	>/= 1 flow	Observations
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
1105	17.6	189.3	1.84	6.08	29.7		10.25		
1108	19.5	190.2	1.50	6.10	-14.8		10.20		
1111	20.7	189.1	1.35	6.12	-16.6		10.20		
	<u> </u>						10.20		
1114		190.4	1.33	6.11	-18.8				
1117	22.0	190.9	1.27	6.11	-19.5				
1120	22.7	191.5	1.15	6.12	-19.4				
1123	22.8	191.7	1.16	6.12	-18.9				
SAMPLE CO	DLLECTION D)ATA							
Sample Colle	ected With:		Bailer		Pump/Pump Type	BLADDER DEDI	CATED		
Made of:		Stainless Stee	el 🔲	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proce	dure:	Alconox Was	h 🗍	Tap Rinse	DI Water	Dedicated		_	
(By Numerica	al Order)	Other		•					
Sample Desc	ription (color, t	₩ -	sheen, etc.):	CLEAR, CO	LORLESS, NO C	DOOR, NO SHEEN			
•		•	^ -		•	•			
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	22.8	191.7	1.20						
2			1.20	6.12	-19.6				
	22.9	192.0	1.19	6.12	-19.6 -18.7				
3			1.19	6.13	-18.7				
	22.9	192.2	1.19	6.13	-18.7 -18.6				
4	22.9	192.2 192.5	1.19 1.15 1.14	6.13 6.12 6.13	-18.7 -18.6 -18.2	(DW)(a)			
	22.9	192.2	1.19	6.13	-18.7 -18.6	#DIV/0!			
4	22.9 23.0 22.9	192.2 192.5 192.1	1.19 1.15 1.14 1.17	6.13 6.12 6.13 6.13	-18.7 -18.6 -18.2 -18.8	#DIV/0!	on-standard a	nalysis below)	
4 Average:	22.9 23.0 22.9 TYPICAL A	192.2 192.5 192.1	1.19 1.15 1.14 1.17 LOWED PE	6.13 6.12 6.13 6.13 ER BOTTLE	-18.7 -18.6 -18.2 -18.8 TYPE (Circle ap	,	non-standard a	nalysis below) WA	OR 🗆
4 Average:	22.9 23.0 22.9 7 TYPICAL A (8260) (8010 (8270) (PAH	192.2 192.5 192.1 NALYSIS AL 0) (8020) (N H) (NWTPH-I	1.19 1.15 1.14 1.17 LOWED PE WTPH-G) (O) (NWTPH	6.13 6.12 6.13 6.13 CR BOTTLE NWTPH-GX,	-18.7 -18.6 -18.2 -18.8 TYPE (Circle aport (BTEX)) HCID) (8081)	oplicable or write r	ase)	WA 🗆	OR OR
4 Average: QUANTITY	22.9 23.0 22.9 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu	192.2 192.5 192.1 NALYSIS AL 0) (8020) (N H) (NWTPH-I	1.19 1.15 1.14 1.17 LOWED PE WTPH-G) (D) (NWTPH G) (TSS) (B	6.13 6.12 6.13 6.13 6.13 ER BOTTLE NWTPH-GX I-Dx) (TPH-GOD) (Turbio	-18.7 -18.6 -18.2 -18.8 TYPE (Circle aport (BTEX) HCID) (8081) (dity) (Alkalinity)	oplicable or write r (8141) (Oil & Grea (HCO3/CO3) (C	ase)	WA 🗆	
4 Average: QUANTITY	22.9 23.0 22.9 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu	192.2 192.5 192.1 NALYSIS AL 0) (8020) (N H) (NWTPH-I activity) (TDS	1.19 1.15 1.14 1.17 LOWED PE WTPH-G) (D) (NWTPH G) (TSS) (B	6.13 6.12 6.13 6.13 CR BOTTLE NWTPH-Gx I-Dx) (TPH-DD) (Turbio dahl Nitroger	-18.7 -18.6 -18.2 -18.8 TYPE (Circle aport (BTEX)) HCID) (8081)	oplicable or write r (8141) (Oil & Grea (HCO3/CO3) (C	ase)	WA 🗆	
4 Average: QUANTITY	22.9 23.0 22.9 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Too (Total Cyanid	192.2 192.5 192.1 NALYSIS AL 0) (8020) (N H) (NWTPH-I activity) (TDS C) (Total PO4 de) (WAD Cya	1.19 1.15 1.14 1.17 1.10WED PE WTPH-G) (D) (NWTPH G) (TSS) (B c) (Total Kie anide) (Free	6.13 6.12 6.13 6.13 CR BOTTLE NWTPH-GX I-DX) (TPH- GOD) (Turbic dahl Nitroger Cyanide)	-18.7 -18.6 -18.2 -18.8 TYPE (Circle aportion (BTEX) HCID) (8081) (dity) (Alkalinity) (NO3/	(8141) (Oil & Grea (HCO3/CO3) (O	ase) Cl) (SO4) (NC	WA	OR
4 Average: QUANTITY	22.9 23.0 22.9 / TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Tod (Total Cyanid (Total Metals)	192.2 192.5 192.1 NALYSIS AL 0) (8020) (N H) (NWTPH-I activity) (TDS C) (Total PO4 de) (WAD Cya) (As) (Sb) (B	1.19 1.15 1.14 1.17 1.10WED PE WTPH-G) (D) (NWTPH G) (TSS) (B c) (Total Kie anide) (Free Ba) (Be) (Ca	6.13 6.12 6.13 6.13 6.13 CR BOTTLE NWTPH-GX, I-Dx) (TPH- GOD) (Turbio dahl Nitroger Cyanide) a) (Cd) (Co)	-18.7 -18.6 -18.2 -18.8 TYPE (Circle aportion (Circle ap	(8141) (Oil & Great) (HCO3/CO3) (O'NO2)	ase) Cl) (SO4) (NO Ni) (Ag) (Se) (WA	OR □
4 Average: QUANTITY	22.9 23.0 22.9 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M	192.2 192.5 192.1 NALYSIS AL 0) (8020) (N H) (NWTPH-I activity) (TDS C) (Total PO4 de) (WAD Cya 1) (As) (Sb) (I cetals) (As) (Sb	1.19 1.15 1.14 1.17 1.10WED PE WTPH-G) (D) (NWTPH G) (TSS) (B c) (Total Kie anide) (Free Ba) (Be) (Ca	6.13 6.12 6.13 6.13 6.13 CR BOTTLE NWTPH-GX, I-Dx) (TPH- GOD) (Turbio dahl Nitroger Cyanide) a) (Cd) (Co)	-18.7 -18.6 -18.2 -18.8 TYPE (Circle aportion (Circle ap	(8141) (Oil & Grea (HCO3/CO3) (O	ase) Cl) (SO4) (NO Ni) (Ag) (Se) (WA	OR □
4 Average: QUANTITY	22.9 23.0 22.9 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Tool (Total Cyanid (Total Metals (Dissolved M VOC (Boein	192.2 192.5 192.1 NALYSIS AL 0) (8020) (N H) (NWTPH-I activity) (TDS C) (Total PO4 de) (WAD Cya) (As) (Sb) (I etals) (As) (Sb	1.19 1.15 1.14 1.17 1.10WED PE WTPH-G) (D) (NWTPH G) (TSS) (B C) (Total Kie anide) (Free Ba) (Be) (Ca C) (Ba) (Be) (Ca	6.13 6.12 6.13 6.13 6.13 CR BOTTLE NWTPH-GX, I-Dx) (TPH- GOD) (Turbio dahl Nitroger Cyanide) a) (Cd) (Co)	-18.7 -18.6 -18.2 -18.8 TYPE (Circle aportion (Circle ap	(8141) (Oil & Great) (HCO3/CO3) (O'NO2)	ase) Cl) (SO4) (NO Ni) (Ag) (Se) (WA	OR □
4 Average: QUANTITY	22.9 23.0 22.9 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Tool (Total Cyanid (Total Metals (Dissolved M VOC (Boein	192.2 192.5 192.1 NALYSIS AL 0) (8020) (N H) (NWTPH-I activity) (TDS C) (Total PO4 de) (WAD Cya 1) (As) (Sb) (I cetals) (As) (Sb	1.19 1.15 1.14 1.17 1.10WED PE WTPH-G) (D) (NWTPH G) (TSS) (B C) (Total Kie anide) (Free Ba) (Be) (Ca C) (Ba) (Be) (Ca	6.13 6.12 6.13 6.13 6.13 CR BOTTLE NWTPH-GX, I-Dx) (TPH- GOD) (Turbio dahl Nitroger Cyanide) a) (Cd) (Co)	-18.7 -18.6 -18.2 -18.8 TYPE (Circle aportion (Circle ap	(8141) (Oil & Great) (HCO3/CO3) (O'NO2)	ase) Cl) (SO4) (NO Ni) (Ag) (Se) (WA	OR g) (K) (Na)
4 Average: QUANTITY	22.9 23.0 22.9 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Tool (Total Cyanid (Total Metals (Dissolved M VOC (Boein	192.2 192.5 192.1 NALYSIS AL 0) (8020) (N H) (NWTPH-I activity) (TDS C) (Total PO4 de) (WAD Cya) (As) (Sb) (I etals) (As) (Sb	1.19 1.15 1.14 1.17 1.10WED PE WTPH-G) (D) (NWTPH G) (TSS) (B C) (Total Kie anide) (Free Ba) (Be) (Ca C) (Ba) (Be) (Ca	6.13 6.12 6.13 6.13 6.13 CR BOTTLE NWTPH-GX, I-Dx) (TPH- GOD) (Turbio dahl Nitroger Cyanide) a) (Cd) (Co)	-18.7 -18.6 -18.2 -18.8 TYPE (Circle aportion (Circle ap	(8141) (Oil & Great) (HCO3/CO3) (O'NO2)	ase) Cl) (SO4) (NO Ni) (Ag) (Se) (WA	OR □
4 Average: QUANTITY	22.9 23.0 22.9 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Tool (Total Cyanid (Total Metals (Dissolved M VOC (Boein	192.2 192.5 192.1 NALYSIS AL 0) (8020) (N H) (NWTPH-I activity) (TDS C) (Total PO4 de) (WAD Cya) (As) (Sb) (I etals) (As) (Sb	1.19 1.15 1.14 1.17 1.10WED PE WTPH-G) (D) (NWTPH G) (TSS) (B C) (Total Kie anide) (Free Ba) (Be) (Ca C) (Ba) (Be) (Ca	6.13 6.12 6.13 6.13 6.13 CR BOTTLE NWTPH-GX, I-Dx) (TPH- GOD) (Turbio dahl Nitroger Cyanide) a) (Cd) (Co)	-18.7 -18.6 -18.2 -18.8 TYPE (Circle aportion (Circle ap	(8141) (Oil & Great) (HCO3/CO3) (O'NO2)	ase) Cl) (SO4) (NO Ni) (Ag) (Se) (WA	OR □
4 Average: QUANTITY	22.9 23.0 22.9 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	192.2 192.5 192.1 NALYSIS AL 0) (8020) (N H) (NWTPH-I activity) (TDS C) (Total PO4 de) (WAD Cya) (As) (Sb) (I etals) (As) (Sb	1.19 1.15 1.14 1.17 1.10WED PE WTPH-G) (D) (NWTPH G) (TSS) (B C) (Total Kie anide) (Free Ba) (Be) (Ca C) (Ba) (Be) (Ca	6.13 6.12 6.13 6.13 6.13 CR BOTTLE NWTPH-GX, I-Dx) (TPH- GOD) (Turbio dahl Nitroger Cyanide) a) (Cd) (Co)	-18.7 -18.6 -18.2 -18.8 TYPE (Circle aportion (Circle ap	(8141) (Oil & Great) (HCO3/CO3) (O'NO2)	ase) Cl) (SO4) (NO Ni) (Ag) (Se) (WA	OR g) (K) (Na)
4 Average: QUANTITY	22.9 23.0 22.9 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	192.2 192.5 192.1 NALYSIS AL 0) (8020) (N H) (NWTPH-I activity) (TDS C) (Total PO4 de) (WAD Cya) (As) (Sb) (I etals) (As) (Sb	1.19 1.15 1.14 1.17 1.10WED PE WTPH-G) (D) (NWTPH G) (TSS) (B) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca	6.13 6.12 6.13 6.13 6.13 6.13 6.13 6.13 6.13 CR BOTTLE NWTPH-GX J-Dx) (TPH-GOD) (Turbio dahl Nitroger Cyanide) A) (Cd) (Co) Ca) (Cd) (Co)	-18.7 -18.6 -18.2 -18.8 TYPE (Circle aportion (Circle ap	(8141) (Oil & Great) (HCO3/CO3) (O'NO2)	ase) Cl) (SO4) (NO Ni) (Ag) (Se) (WA	OR g) (K) (Na)
4 Average: QUANTITY 4	22.9 23.0 22.9 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	192.2 192.5 192.1 NALYSIS AL (1) (8020) (N (1) (NWTPH-I (1) (1) (Total PO4 (1) (WAD Cya (1) (As) (Sb) (I (1) (etals) (As) (Sb (1) (as)	1.19 1.15 1.14 1.17 1.10WED PE WTPH-G) (D) (NWTPH G) (TSS) (B) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca	6.13 6.12 6.13 6.13 6.13 6.13 6.13 6.13 6.13 CR BOTTLE NWTPH-GX J-Dx) (TPH-GOD) (Turbio dahl Nitroger Cyanide) A) (Cd) (Co) Ca) (Cd) (Co)	-18.7 -18.6 -18.2 -18.8 TYPE (Circle aportion (Circle ap	(8141) (Oil & Great) (HCO3/CO3) (O'NO2)	ase) Cl) (SO4) (NO Ni) (Ag) (Se) (WA	OR g) (K) (Na)
4 Average: QUANTITY 4 Duplicate San	22.9 23.0 22.9 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	192.2 192.5 192.1 NALYSIS AL (1) (8020) (N (1) (NWTPH-I (1) (1) (Total PO4 (1) (WAD Cya (1) (As) (Sb) (I (1) (etals) (As) (Sb (1) (as)	1.19 1.15 1.14 1.17 1.10WED PE WTPH-G) (D) (NWTPH G) (TSS) (B) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca	6.13 6.12 6.13 6.13 6.13 6.13 6.13 6.13 6.13 CR BOTTLE NWTPH-GX J-Dx) (TPH-GOD) (Turbio dahl Nitroger Cyanide) A) (Cd) (Co) Ca) (Cd) (Co)	-18.7 -18.6 -18.2 -18.8 TYPE (Circle aportion (Circle ap	(8141) (Oil & Great) (HCO3/CO3) (O'NO2) (Pb) (Mg) (Mn) (Ni) (b) (Mg) (Mn) (Ni) (ase) Cl) (SO4) (NO Ni) (Ag) (Se) (WA	OR g) (K) (Na)



Project Nam	ne:	Boeing Ren	ton		Project Number	: <u> </u>	0025217.099.0	99	
Event:		May-20			Date/Time:	05/ 11/2020@	850		
Sample Nun	nber:	DUP3-	200511		Weather:	SUNNY, WAR	M		
Landau Rep	resentative:	BXM							
WATER LEV	VEL/WELL/PU	URGE DATA							
Well Condition	on:	Secure (YES)	Damaged (N	O)	Describe:	Flush Mount		
DTW Before	Purging (ft)	1016	Time:	1102	Flow through cel	l vol.		GW Meter No.(s)
	Date/Time:	05/ 11 /2020		End Purge:	-	05/ 11 /2020 @	1125	Gallons Purged:	,
Purge water of			55-gal Drum		Storage Tank	Ground		SITE TREATM	ENT SYSTEM
8	•				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	. ,	(. 0 /	ers for three	. ,	lings within the fo	. ,	>/= 1 flow	observations
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
	_ '								
		I	DUPL	ICAT	E TO F	CGW224	4S		
	- 0	-		10111			.~		
SAMDI E CO	DLLECTION I)ATA							
Sample Colle			Bailer		Pumn/Pumn Tyne	BLADDER DED	ICATED		
Made of:	cica wiii.	Stainless Ste	_	PVC	Teflon	Polyethylene		Dedicated	•
	. =		_		₩	_ · ·		Dedicated	
Decon Procee		Alconox Was	sh 📋	Tap Rinse	DI Water	Dedicated			
(By Numerica	al Order)	Other							
a · -									
Sample Desc	ription (color,	turbidity, odor	, sheen, etc.):	CLEAR, CO	LORLESS, NO C	DOR, NO SHEEN	1		
			· · · · · · · · · · · · · · · · · · ·						
Replicate	Temp	Cond.	D.O.	pH	ORP	Turbidity	DTW	Ferrous iron	Comments/
Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)			Ferrous iron (Fe II)	Comments/ Observations
Replicate	Temp (°F/°C) 22.9	Cond. (uS/cm)	D.O. (mg/L)	pH 6.12	ORP (mV)	Turbidity	DTW		
Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity	DTW		
Replicate	Temp (°F/°C) 22.9	Cond. (uS/cm)	D.O. (mg/L)	pH 6.12	ORP (mV)	Turbidity	DTW		
Replicate 1 2	Temp (°F/°C) 22.9	Cond. (uS/cm) 191.9 192.0	D.O. (mg/L) 1.17 1.13	pH 6.12 6.12	ORP (mV) -19.3	Turbidity	DTW		
Replicate 1 2 3 4	Temp (°F/°C) 22.9 22.9 23.0 23.0	Cond. (uS/cm) 191.9 192.0	D.O. (mg/L) 1.17 1.13 1.16	pH 6.12 6.12 6.12	ORP (mV) -19.3 -19.0 -18.4 -17.9	Turbidity (NTU)	DTW		
Replicate 1 2 3 4 Average:	Temp (°F/°C) 22.9 22.9 23.0 23.0	Cond. (uS/cm) 191.9 192.0 192.1 192.6 192.2	D.O. (mg/L) 1.17 1.13 1.16 1.11 1.14	6.12 6.12 6.12 6.13 6.12	ORP (mV) -19.3 -19.0 -18.4 -17.9 -18.7	Turbidity (NTU) #DIV/0!	DTW (ft)	(Fe II)	
Replicate 1 2 3 4	Temp (°F/°C) 22.9 23.0 23.0 23.0	Cond. (uS/cm) 191.9 192.0 192.1 192.6 192.2	D.O. (mg/L) 1.17 1.13 1.16 1.11 1.14 LLOWED PE	6.12 6.12 6.12 6.13 6.13	ORP (mV) -19.3 -19.0 -18.4 -17.9 -18.7 TYPE (Circle ap	Turbidity (NTU)	DTW (ft)	(Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 22.9 23.0 23.0 23.0 (8260) (801)	Cond. (uS/cm) 191.9 192.0 192.1 192.6 192.2 NALYSIS AI 0) (8020) (N	D.O. (mg/L) 1.17 1.13 1.16 1.11 1.14 LLOWED PERWYPH-G) (MATPH-G) (MATPH-G)	6.12 6.12 6.12 6.13 6.13 6.12 CR BOTTLE	ORP (mV) -19.3 -19.0 -18.4 -17.9 -18.7 TYPE (Circle apple) (BTEX)	Turbidity (NTU) #DIV/0! pplicable or write	DTW (ft)	nalysis below)	Observations OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 22.9 23.0 23.0 23.0 27 TYPICAL A (8260) (801- (8270) (PAR	Cond. (uS/cm) 191.9 192.0 192.1 192.6 192.2 NALYSIS AI 0) (8020) (N	D.O. (mg/L) 1.17 1.13 1.16 1.11 1.14 LLOWED PP	6.12 6.12 6.12 6.13 6.12 CR BOTTLE NWTPH-GX F-DX) (TPH-	ORP (mV) -19.3 -19.0 -18.4 -17.9 -18.7 TYPE (Circle ap (BTEX)) HCID) (8081) (#DIV/0! pplicable or write	DTW (ft)	nalysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 22.9 23.0 23.0 23.0 (8260) (801) (8270) (PAH (pH) (Condu	Cond. (uS/cm) 191.9 192.0 192.1 192.6 192.2 NALYSIS AI 0) (8020) (N H) (NWTPH- lectivity) (TD:	D.O. (mg/L) 1.17 1.13 1.16 1.11 1.14 LLOWED PERWYPH-G) (MWTPH-G) (MWTP	6.12 6.12 6.13 6.12 CR BOTTLE NWTPH-GX -Dx) (TPH-OD) (Turbic	ORP (mV) -19.3 -19.0 -18.4 -17.9 -18.7 TYPE (Circle ap (BTEX) HCID) (8081) (dity) (Alkalinity)	#DIV/0! #DIV/0! pplicable or write 8141) (Oil & Gree (HCO3/CO3) (DTW (ft)	nalysis below) WA WA WA	Observations OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 22.9 23.0 23.0 23.0 (8260) (801) (8270) (PAR (pH) (Conduction) (COD) (TOO	Cond. (uS/cm) 191.9 192.0 192.1 192.6 192.2 NALYSIS AI (0) (8020) (N H) (NWTPHactivity) (TD: (C) (Total PO-	D.O. (mg/L) 1.17 1.13 1.16 1.11 1.14 LLOWED PERMYTPH-G) (D) (NWTPH-S) (TSS) (E) (Total Kie	6.12 6.12 6.13 6.13 6.12 R BOTTLE NWTPH-Gx D) (TPH-OD) (Turbidahl Nitroger	ORP (mV) -19.3 -19.0 -18.4 -17.9 -18.7 TYPE (Circle ap (BTEX)) HCID) (8081) (#DIV/0! #DIV/0! pplicable or write 8141) (Oil & Gree (HCO3/CO3) (DTW (ft)	nalysis below) WA WA WA	Observations OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 22.9 23.0 23.0 23.0 (8260) (801) (8270) (PAI (pH) (Condu (COD) (Total Cyanic	Cond. (uS/cm) 191.9 192.0 192.1 192.6 192.2 NALYSIS AI 0) (8020) (N H) (NWTPH- lectivity) (TD: C) (Total PO- de) (WAD Cy	D.O. (mg/L) 1.17 1.13 1.16 1.11 1.14 LLOWED PF WTPH-G) (D) (NWTPH-S) (TSS) (E 4) (Total Kie vanide) (Free	6.12 6.12 6.13 6.13 6.12 CR BOTTLE NWTPH-GX (I-DX) (TPH-OD) (Turbidahl Nitroger Cyanide)	ORP (mV) -19.3 -19.0 -18.4 -17.9 -18.7 TYPE (Circle ap (BTEX)) HCID) (8081) (dity) (Alkalinity) (Alkalinity) (Alkalinity) (Alkalinity) (MH3) (NO3/4)	#DIV/0! #DIV/0! pplicable or write (HCO3/CO3) (6	non-standard and sease)	nalysis below) WA WA ON O	Observations OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 22.9 23.0 23.0 23.0 23.0 (8260) (801) (8270) (PAH (pH) (Condu (COD) (Total Cyanic (Total Metals)	Cond. (uS/cm) 191.9 192.0 192.1 192.6 192.2 NALYSIS AI (0) (8020) (N H) (NWTPHactivity) (TD: (C) (Total POdde) (WAD Cyc) (As) (Sb) (D.O. (mg/L) 1.17 1.13 1.16 1.11 1.14 LLOWED PERWIPH-G) (D) (NWTPH-S) (TSS) (B 4) (Total Kieser (Canada) (Free (Canada) (Free (Canada) (Canad	6.12 6.12 6.13 6.12 6.13 6.12 CR BOTTLE NWTPH-Gx (-Dx) (TPH-OD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -19.3 -19.0 -18.4 -17.9 -18.7 TYPE (Circle aportion (BTEX) HCID) (8081) (dity) (Alkalinity) (i) (NH3) (NO3/	#DIV/0! #DIV/0! pplicable or write 8141) (Oil & Gree (HCO3/CO3) (eNO2)	non-standard and ease) CI) (SO4) (NO	(Fe II) malysis below) WA WA OB ON (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR g) (K) (Na)
Replicate 1 2 3 4 Average:	Temp (°F/°C) 22.9 23.0 23.0 23.0 (8260) (801) (8270) (PAH (pH) (Condu (COD) (Total Cyanic (Total Metals) (Dissolved M	Cond. (uS/cm) 191.9 192.0 192.1 192.6 192.2 NALYSIS AI 0) (8020) (N H) (NWTPH- lectivity) (TD: C) (Total PO- de) (WAD Cy de) (As) (Sb) (letals) (As) (Sb) (D.O. (mg/L) 1.17 1.13 1.16 1.11 1.14 LLOWED PERWIPH-G) (D) (NWTPH-S) (TSS) (B 4) (Total Kieser (Canada) (Free (Canada) (Free (Canada) (Canad	6.12 6.12 6.13 6.12 6.13 6.12 CR BOTTLE NWTPH-Gx (-Dx) (TPH-OD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -19.3 -19.0 -18.4 -17.9 -18.7 TYPE (Circle aportion (BTEX) HCID) (8081) (dity) (Alkalinity) (i) (NH3) (NO3/	#DIV/0! #DIV/0! pplicable or write 8141) (Oil & Gree (HCO3/CO3) (eNO2)	non-standard and ease) CI) (SO4) (NO	(Fe II) malysis below) WA WA OB ON (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 22.9 23.0 23.0 23.0 (8260) (801) (8270) (PAF (pH) (Condu (COD) (Total Cyanic (Total Metals (Dissolved M VOC (Boeir	Cond. (uS/cm) 191.9 192.0 192.1 192.6 192.2 NALYSIS AI 0) (8020) (N H) (NWTPH- activity) (TD: C) (Total PO- de) (WAD Cy de) (As) (Sb) (detals) (As) (Sb g short list)	D.O. (mg/L) 1.17 1.13 1.16 1.11 1.14 LLOWED PF WYPH-G) (D) (NWTPH-S) (TSS) (B 4) (Total Kie vanide) (Free Ba) (Be) (Ca o) (Ba) (Be) (Ca	6.12 6.12 6.13 6.12 6.13 6.12 CR BOTTLE NWTPH-Gx (-Dx) (TPH-OD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -19.3 -19.0 -18.4 -17.9 -18.7 TYPE (Circle aportion (BTEX) HCID) (8081) (dity) (Alkalinity) (i) (NH3) (NO3/	#DIV/0! #DIV/0! pplicable or write 8141) (Oil & Gree (HCO3/CO3) (eNO2)	non-standard and ease) CI) (SO4) (NO	(Fe II) malysis below) WA WA OB ON (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR g) (K) (Na)
Replicate 1 2 3 4 Average:	Temp (°F/°C) 22.9 23.0 23.0 23.0 (8260) (801) (8270) (PAF (pH) (Condu (COD) (Total Cyanic (Total Metals (Dissolved M VOC (Boeir	Cond. (uS/cm) 191.9 192.0 192.1 192.6 192.2 NALYSIS AI 0) (8020) (N H) (NWTPH- lectivity) (TD: C) (Total PO- de) (WAD Cy de) (As) (Sb) (letals) (As) (Sb) (D.O. (mg/L) 1.17 1.13 1.16 1.11 1.14 LLOWED PF WYPH-G) (D) (NWTPH-S) (TSS) (B 4) (Total Kie vanide) (Free Ba) (Be) (Ca o) (Ba) (Be) (Ca	6.12 6.12 6.13 6.12 6.13 6.12 CR BOTTLE NWTPH-Gx (-Dx) (TPH-OD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -19.3 -19.0 -18.4 -17.9 -18.7 TYPE (Circle aportion (BTEX) HCID) (8081) (dity) (Alkalinity) (i) (NH3) (NO3/	#DIV/0! #DIV/0! pplicable or write 8141) (Oil & Gree (HCO3/CO3) (eNO2)	non-standard and ease) CI) (SO4) (NO	(Fe II) malysis below) WA WA OB ON (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR g) (K) (Na)
Replicate 1 2 3 4 Average:	Temp (°F/°C) 22.9 23.0 23.0 23.0 (8260) (801) (8270) (PAF (pH) (Condu (COD) (Total Cyanic (Total Metals (Dissolved M VOC (Boeir	Cond. (uS/cm) 191.9 192.0 192.1 192.6 192.2 NALYSIS AI 0) (8020) (N H) (NWTPH- activity) (TD: C) (Total PO- de) (WAD Cy de) (As) (Sb) (detals) (As) (Sb g short list)	D.O. (mg/L) 1.17 1.13 1.16 1.11 1.14 LLOWED PF WYPH-G) (D) (NWTPH-S) (TSS) (B 4) (Total Kie vanide) (Free Ba) (Be) (Ca o) (Ba) (Be) (Ca	6.12 6.12 6.13 6.12 6.13 6.12 CR BOTTLE NWTPH-Gx (-Dx) (TPH-OD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -19.3 -19.0 -18.4 -17.9 -18.7 TYPE (Circle aportion (BTEX) HCID) (8081) (dity) (Alkalinity) (i) (NH3) (NO3/	#DIV/0! #DIV/0! pplicable or write 8141) (Oil & Gree (HCO3/CO3) (eNO2)	non-standard and ease) CI) (SO4) (NO	(Fe II) malysis below) WA WA OB ON (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR g) (K) (Na)
Replicate 1 2 3 4 Average:	Temp (°F/°C) 22.9 23.0 23.0 23.0 23.0 (8260) (801) (8270) (PAB (pH) (Condu (COD) (Total Cyanic (Total Metals (Dissolved M VOC (Boeir Methane Eth	Cond. (uS/cm) 191.9 192.0 192.1 192.6 192.2 NALYSIS AI 0) (8020) (N H) (NWTPH- activity) (TD: C) (Total PO- de) (WAD Cy de) (As) (Sb) (detals) (As) (Sb g short list)	D.O. (mg/L) 1.17 1.13 1.16 1.11 1.14 LLOWED PF WYPH-G) (D) (NWTPH-S) (TSS) (B 4) (Total Kie vanide) (Free Ba) (Be) (Ca o) (Ba) (Be) (Ca	6.12 6.12 6.13 6.12 6.13 6.12 CR BOTTLE NWTPH-Gx (-Dx) (TPH-OD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -19.3 -19.0 -18.4 -17.9 -18.7 TYPE (Circle aportion (BTEX) HCID) (8081) (dity) (Alkalinity) (i) (NH3) (NO3/	#DIV/0! #DIV/0! pplicable or write 8141) (Oil & Gree (HCO3/CO3) (eNO2)	non-standard and ease) CI) (SO4) (NO	(Fe II) malysis below) WA WA OB ON (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR g) (K) (Na)
Replicate 1 2 3 4 Average:	Temp (°F/°C) 22.9 23.0 23.0 23.0 (8260) (801) (8270) (PAF (pH) (Condu (COD) (Total Cyanic (Total Metals (Dissolved M VOC (Boeir	Cond. (uS/cm) 191.9 192.0 192.1 192.6 192.2 NALYSIS AI 0) (8020) (N H) (NWTPH- activity) (TD: C) (Total PO- de) (WAD Cy de) (As) (Sb) (detals) (As) (Sb g short list)	D.O. (mg/L) 1.17 1.13 1.16 1.11 1.14 LLOWED PF WYPH-G) (D) (NWTPH-S) (TSS) (B 4) (Total Kie vanide) (Free Ba) (Be) (Ca o) (Ba) (Be) (Ca	6.12 6.12 6.13 6.12 6.13 6.12 CR BOTTLE NWTPH-Gx (-Dx) (TPH-OD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -19.3 -19.0 -18.4 -17.9 -18.7 TYPE (Circle aportion (BTEX) HCID) (8081) (dity) (Alkalinity) (i) (NH3) (NO3/	#DIV/0! #DIV/0! pplicable or write 8141) (Oil & Gree (HCO3/CO3) (eNO2)	non-standard and ease) CI) (SO4) (NO	(Fe II) malysis below) WA WA OB ON (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR g) (K) (Na)
Replicate 1 2 3 4 Average:	Temp (°F/°C) 22.9 23.0 23.0 23.0 23.0 (8260) (801) (8270) (PAH (pH) (Condu (COD) (Total Cyanic (Total Metals (Dissolved M VOC (Boeir Methane Eth	Cond. (uS/cm) 191.9 192.0 192.1 192.6 192.2 NALYSIS AI 0) (8020) (N H) (NWTPH- activity) (TD: C) (Total PO- de) (WAD Cy de) (As) (Sb) (detals) (As) (Sb g short list)	D.O. (mg/L) 1.17 1.13 1.16 1.11 1.14 LLOWED PF WTPH-G) (D) (NWTPH-S) (TSS) (B 4) (Total Kie vanide) (Free Ba) (Be) (Ca b) (Ba) (Be) (Ca cetylene	6.12 6.12 6.13 6.12 6.13 6.12 CR BOTTLE NWTPH-Gx (-Dx) (TPH-OD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -19.3 -19.0 -18.4 -17.9 -18.7 TYPE (Circle aportion (BTEX) HCID) (8081) (dity) (Alkalinity) (i) (NH3) (NO3/	#DIV/0! #DIV/0! pplicable or write 8141) (Oil & Gree (HCO3/CO3) (eNO2)	non-standard and ease) CI) (SO4) (NO	(Fe II) malysis below) WA WA OB ON (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR g) (K) (Na)
Replicate 1 2 3 4 Average: QUANTITY 4	Temp (°F/°C) 22.9 23.0 23.0 23.0 23.0 (8260) (801) (8270) (PAH (pH) (Condu (COD) (Total Cyanic (Total Metals (Dissolved M VOC (Boeir Methane Eth	Cond. (uS/cm) 191.9 192.0 192.1 192.6 192.2 NALYSIS AI 0) (8020) (N-H) (NWTPH- lectivity) (TDs C) (Total PO- de) (WAD Cy- c) (As) (Sb) (letals) (As) (Sb) g short list) nane Ethene Ac-	D.O. (mg/L) 1.17 1.13 1.16 1.11 1.14 LLOWED PF WTPH-G) (D) (NWTPH-S) (TSS) (B 4) (Total Kie vanide) (Free Ba) (Be) (Ca b) (Ba) (Be) (Ca cetylene	6.12 6.12 6.13 6.12 6.13 6.12 CR BOTTLE NWTPH-Gx (-Dx) (TPH-OD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -19.3 -19.0 -18.4 -17.9 -18.7 TYPE (Circle aportion (BTEX) HCID) (8081) (dity) (Alkalinity) (i) (NH3) (NO3/	#DIV/0! #DIV/0! pplicable or write 8141) (Oil & Gree (HCO3/CO3) (eNO2)	non-standard and ease) CI) (SO4) (NO	(Fe II) malysis below) WA WA OB ON (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR g) (K) (Na)
Replicate 1 2 3 4 Average: QUANTITY 4 Duplicate San	Temp (°F/°C) 22.9 23.0 23.0 23.0 23.0 (8260) (801) (8270) (PAH (pH) (Condu (COD) (Total Cyanic (Total Metals (Dissolved M VOC (Boeir Methane Eth	Cond. (uS/cm) 191.9 192.0 192.1 192.6 192.2 NALYSIS AI 0) (8020) (N-H) (NWTPH- lectivity) (TDs C) (Total PO- de) (WAD Cy- c) (As) (Sb) (letals) (As) (Sb) g short list) nane Ethene Ac-	D.O. (mg/L) 1.17 1.13 1.16 1.11 1.14 LLOWED PF WTPH-G) (D) (NWTPH-S) (TSS) (B 4) (Total Kie vanide) (Free Ba) (Be) (Ca b) (Ba) (Be) (Ca cetylene	6.12 6.12 6.13 6.12 6.13 6.12 CR BOTTLE NWTPH-Gx (-Dx) (TPH-OD) (Turbidahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -19.3 -19.0 -18.4 -17.9 -18.7 TYPE (Circle aportion (BTEX) HCID) (8081) (dity) (Alkalinity) (i) (NH3) (NO3/	#DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0! Pplicable or write (HCO3/CO3) (6) MO2) Pb) (Mg) (Mn) (Ni) (D) (Mg) (Mn) (Ni)	non-standard and ease) CI) (SO4) (NO	(Fe II) malysis below) WA WA OB ON (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR g) (K) (Na)



Project Nam	ie:	Boeing Ren	iton		Project Numbe	r:	0025217.099.0	99	
Event:		May-20			Date/Time:	05/ 11 /2020@	1315		
Sample Nun	nber:	RGW256S-	200511		Weather:	SUNNY, HOT			
Landau Rep	resentative:	BXM			•				
WATEDIEV	VEL/WELL/PU	IDCE DATA							
Well Condition		Secure (YES)	Damaged (N	(O)	Describe	Flush Mount		
		`		-			Tush Mount	CWM N	GL ODE 2
DTW Before	0 0 . ,	8.22	Time:		Flow through ce			GW Meter No.(s	
0 0	Date/Time:	05/11 /202		End Purge:		05/11 /2020 @		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)	hana Can Abnasa	(mV)	(NTU)	(ft)	Volume (gal)	Observations
	+/- 3%	+/- 3%		+/- 0.1 units	+/- 10 mV	dings within the fo +/- 10%	< 0.3 ft	>/= 1 flow through cell	
1252		163.1	1.99		21.9		8.22		
				6.38					
1255	19.7	173.2	1.88	6.32	9.0		8.22		
1258	21.1	181.3	1.77	6.29	3.9		8.22		
1301	22.4	189.6	1.64	6.29	0.6				
1304	23.8	195.9	1.59	6.25	-0.7				
1307		198.5	1.54	6.24	-0.6				
-									
1310	24.8	203.1	1.49	6.24	0.7				
	LLECTION I								
Sample Colle	cted With:		Bailer			BLADDER DEDI		_	
Made of:		Stainless Ste	el 🔲	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proceed	dure:	Alconox Wa	sh	Tap Rinse	DI Water	Dedicated			
(By Numerica	ıl Order)	Other							
		ш							
Sample Descr		-	, sheen, etc.):	CLEAR, CO	LORLESS, NO S	SHEEN, NO ODOR	-		
	ription (color,	turbidity, odor							
Sample Descri Replicate	ription (color, t	turbidity, odor	D.O.	CLEAR, CO	ORP	Turbidity	DTW	Ferrous iron (Fe II)	Comments/ Observations
Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)			Ferrous iron (Fe II)	Comments/ Observations
Replicate	Temp (°F/°C)	Cond. (uS/cm) 203.9	D.O. (mg/L)	рН 6.24	ORP (mV)	Turbidity	DTW		
Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity	DTW		
Replicate	Temp (°F/°C)	Cond. (uS/cm) 203.9	D.O. (mg/L)	рН 6.24	ORP (mV)	Turbidity	DTW		
Replicate 1 2	Temp (°F/°C) 24.9 25.0	Cond. (uS/cm) 203.9 204.3	D.O. (mg/L) 1.43	pH 6.24 6.24	ORP (mV) 1.0	Turbidity	DTW		
Replicate 1 2 3	Temp (°F/°C) 24.9 25.0 25.1	Cond. (uS/cm) 203.9 204.3	D.O. (mg/L) 1.43 1.47	6.24 6.24 6.24	ORP (mV) 1.0 1.1	Turbidity	DTW		
Replicate 1 2 3 4 Average:	Temp (°F/°C) 24.9 25.0 25.1 25.0	Cond. (uS/cm) 203.9 204.3 204.7 205.1 204.5	D.O. (mg/L) 1.43 1.47 1.49 1.48 1.47	6.24 6.24 6.24 6.24 6.24	ORP (mV) 1.0 1.1 1.2 1.4 1.2	Turbidity (NTU) #DIV/0!	DTW (ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 24.9 25.0 25.1 25.1 25.0 TYPICAL A	Cond. (uS/cm) 203.9 204.3 204.7 205.1 204.5	D.O. (mg/L) 1.43 1.47 1.49 1.48 1.47	6.24 6.24 6.24 6.24 6.24 6.24	ORP (mV) 1.0 1.1 1.2 1.4 1.2 TYPE (Circle a)	Turbidity (NTU)	DTW (ft)	(Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 24.9 25.0 25.1 25.1 25.0 TYPICAL A (8260) (8010	Cond. (uS/cm) 203.9 204.3 204.7 205.1 204.5 NALYSIS AI (0) (8020) (N	D.O. (mg/L) 1.43 1.47 1.49 1.48 1.47 LLOWED PERWYTPH-G) (6.24 6.24 6.24 6.24 6.24 6.24 RER BOTTLE	ORP (mV) 1.0 1.1 1.2 1.4 1.2 TYPE (Circle approximately (BTEX)	Turbidity (NTU) #DIV/0!	DTW (ft)	nalysis below)	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 24.9 25.0 25.1 25.1 25.0 TYPICAL A (8260) (8010 (8270) (PAF	Cond. (uS/cm) 203.9 204.3 204.7 205.1 204.5 NALYSIS AI 0) (8020) (NH) (NWTPH-	D.O. (mg/L) 1.43 1.47 1.49 1.48 1.47 LLOWED PP	6.24 6.24 6.24 6.24 6.24 6.24 CR BOTTLE NWTPH-Gx,	ORP (mV) 1.0 1.1 1.2 1.4 1.2 TYPE (Circle a) (BTEX) HCID) (8081)	#DIV/0!	DTW (ft) non-standard a	nalysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 24.9 25.0 25.1 25.1 25.0 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu	Cond. (uS/cm) 203.9 204.3 204.7 205.1 204.5 NALYSIS AI 0) (8020) (NH) (NWTPH- activity) (TD	D.O. (mg/L) 1.43 1.47 1.49 1.48 1.47 LLOWED PERWYPH-G) (NWTPH-S) (TSS) (E	6.24 6.24 6.24 6.24 6.24 6.24 6.24 CR BOTTLE NWTPH-GX I-DX) (TPH-GOD) (Turbic	ORP (mV) 1.0 1.1 1.2 1.4 1.2 TYPE (Circle a) (BTEX) HCID) (8081)	#DIV/0! pplicable or write to (8141) (Oil & Gree) (HCO3/CO3) (Green and the control of the cont	DTW (ft) non-standard a	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 24.9 25.0 25.1 25.1 25.0 TYPICAL A (8260) (8010 (8270) (PAF (PH) (Conduction))	Cond. (uS/cm) 203.9 204.3 204.7 205.1 204.5 NALYSIS AI 0) (8020) (NH) (NWTPH- activity) (TD	D.O. (mg/L) 1.43 1.47 1.49 1.48 1.47 LLOWED PENTTH-G) (D) (NWTPH-S) (TSS) (E) (H) (Total Kie	6.24 6.24 6.24 6.24 6.24 6.24 CR BOTTLE NWTPH-Gx I-Dx) (TPH- BOD) (Turbic dahl Nitroger	ORP (mV) 1.0 1.1 1.2 1.4 1.2 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity	#DIV/0! pplicable or write to (8141) (Oil & Gree) (HCO3/CO3) (Green and the control of the cont	DTW (ft) non-standard a	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 24.9 25.0 25.1 25.1 25.0 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (TOO (Total Cyanic	Cond. (uS/cm) 203.9 204.3 204.7 205.1 204.5 NALYSIS AI 0) (8020) (N H) (NWTPH- lectivity) (TD C) (Total PO- le) (WAD Cy	D.O. (mg/L) 1.43 1.47 1.49 1.48 1.47 LLOWED PF WYTPH-G) (D) (NWTPH-S) (TSS) (E 4) (Total Kie (vanide) (Free	6.24 6.24 6.24 6.24 6.24 6.24 6.24 CR BOTTLE NWTPH-Gx, I-Dx) (TPH-IOD) (Turbiodall Nitroger Cyanide)	ORP (mV) 1.0 1.1 1.2 1.4 1.2 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity a) (NH3) (NO3.	#DIV/0! pplicable or write to (8141) (Oil & Gree) (HCO3/CO3) (Green and the control of the cont	DTW (ft) non-standard an ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O WA O O O O O NO2) (F)	Observations OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 24.9 25.0 25.1 25.1 25.0 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 203.9 204.3 204.7 205.1 204.5 NALYSIS AI 0) (8020) (N H) (NWTPH- lectivity) (TD C) (Total PO- le) (WAD Cy) (As) (Sb) (D.O. (mg/L) 1.43 1.47 1.49 1.48 1.47 LLOWED PENWTPH-G) (MWTPH-G) (MWTP	6.24 6.24 6.24 6.24 6.24 6.24 6.24 CR BOTTLE NWTPH-GX L-DX) (TPH-GOD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 1.0 1.1 1.2 1.4 1.2 TYPE (Circle and (BTEX)) HCID) (8081) dity) (Alkalinity) (Mathematical (Math	#DIV/0! #DIV/0! pplicable or write in the interpolation of the interpo	DTW (ft) non-standard at ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB ON (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 24.9 25.0 25.1 25.1 25.0 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 203.9 204.3 204.7 205.1 204.5 NALYSIS AI 0) (8020) (NH) (NWTPH- lectivity) (TD C) (Total PO- le) (WAD Cy) (As) (Sb) (letals) (As) (Sl)	D.O. (mg/L) 1.43 1.47 1.49 1.48 1.47 LLOWED PENWTPH-G) (MWTPH-G) (MWTP	6.24 6.24 6.24 6.24 6.24 6.24 6.24 CR BOTTLE NWTPH-GX L-DX) (TPH-GOD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 1.0 1.1 1.2 1.4 1.2 TYPE (Circle and (BTEX)) HCID) (8081) dity) (Alkalinity) (Mathematical (Math	#DIV/0! #DIV/0! pplicable or write in the interpolation of the interpo	DTW (ft) non-standard at ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB ON (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 24.9 25.0 25.1 25.1 25.0 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 203.9 204.3 204.7 205.1 204.5 NALYSIS AI 0) (8020) (NH) (NWTPH- lectivity) (TD C) (Total PO- le) (WAD Cy) (As) (Sb) (letals) (As) (Sl)	D.O. (mg/L) 1.43 1.47 1.49 1.48 1.47 LLOWED PF WYTPH-G) (D) (NWTPH SS) (TSS) (B 4) (Total Kie //anide) (Free Ba) (Be) (Ca b) (Ba) (Be) (Ca	6.24 6.24 6.24 6.24 6.24 6.24 6.24 CR BOTTLE NWTPH-GX L-DX) (TPH-GOD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 1.0 1.1 1.2 1.4 1.2 TYPE (Circle and (BTEX)) HCID) (8081) dity) (Alkalinity) (Mathematical (Math	#DIV/0! #DIV/0! pplicable or write in the interpolation of the interpo	DTW (ft) non-standard at ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB ON (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 24.9 25.0 25.1 25.1 25.0 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 203.9 204.3 204.7 205.1 204.5 NALYSIS AI 0) (8020) (N H) (NWTPH- activity) (TD C) (Total PO- de) (WAD Cy) (As) (Sb) (etals) (As) (Sl g short list)	D.O. (mg/L) 1.43 1.47 1.49 1.48 1.47 LLOWED PF WYTPH-G) (D) (NWTPH SS) (TSS) (B 4) (Total Kie //anide) (Free Ba) (Be) (Ca b) (Ba) (Be) (Ca	6.24 6.24 6.24 6.24 6.24 6.24 6.24 CR BOTTLE NWTPH-GX L-DX) (TPH-GOD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 1.0 1.1 1.2 1.4 1.2 TYPE (Circle and (BTEX)) HCID) (8081) dity) (Alkalinity) (Mathematical (Math	#DIV/0! #DIV/0! pplicable or write in the interpolation of the interpo	DTW (ft) non-standard at ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB ON (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 24.9 25.0 25.1 25.1 25.0 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 203.9 204.3 204.7 205.1 204.5 NALYSIS AI 0) (8020) (N H) (NWTPH- activity) (TD C) (Total PO- de) (WAD Cy) (As) (Sb) (etals) (As) (Sl g short list)	D.O. (mg/L) 1.43 1.47 1.49 1.48 1.47 LLOWED PF WYTPH-G) (D) (NWTPH SS) (TSS) (B 4) (Total Kie //anide) (Free Ba) (Be) (Ca b) (Ba) (Be) (Ca	6.24 6.24 6.24 6.24 6.24 6.24 6.24 CR BOTTLE NWTPH-GX L-DX) (TPH-GOD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 1.0 1.1 1.2 1.4 1.2 TYPE (Circle and (BTEX)) HCID) (8081) dity) (Alkalinity) (Mathematical (Math	#DIV/0! #DIV/0! pplicable or write in the interpolation of the interpo	DTW (ft) non-standard at ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB ON (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 24.9 25.0 25.1 25.1 25.0 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 203.9 204.3 204.7 205.1 204.5 NALYSIS AI 0) (8020) (N H) (NWTPH- activity) (TD C) (Total PO- de) (WAD Cy) (As) (Sb) (etals) (As) (Sl g short list)	D.O. (mg/L) 1.43 1.47 1.49 1.48 1.47 LLOWED PF WYTPH-G) (D) (NWTPH SS) (TSS) (B 4) (Total Kie //anide) (Free Ba) (Be) (Ca b) (Ba) (Be) (Ca	6.24 6.24 6.24 6.24 6.24 6.24 6.24 CR BOTTLE NWTPH-GX I-DX) (TPH-GOD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 1.0 1.1 1.2 1.4 1.2 TYPE (Circle and (BTEX)) HCID) (8081) dity) (Alkalinity) (Mathematical (Math	#DIV/0! #DIV/0! pplicable or write in the interpolation of the interpo	DTW (ft) non-standard at ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB ON (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 24.9 25.0 25.1 25.1 25.0 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 203.9 204.3 204.7 205.1 204.5 NALYSIS AI 0) (8020) (N H) (NWTPH- activity) (TD C) (Total PO- de) (WAD Cy) (As) (Sb) (etals) (As) (Sl g short list)	D.O. (mg/L) 1.43 1.47 1.49 1.48 1.47 LLOWED PF WYTPH-G) (D) (NWTPH SS) (TSS) (B 4) (Total Kie //anide) (Free Ba) (Be) (Ca b) (Ba) (Be) (Ca	6.24 6.24 6.24 6.24 6.24 6.24 6.24 CR BOTTLE NWTPH-GX I-DX) (TPH-GOD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 1.0 1.1 1.2 1.4 1.2 TYPE (Circle and (BTEX)) HCID) (8081) dity) (Alkalinity) (Mathematical (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interpolation of the interpo	DTW (ft) non-standard at ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB ON (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 24.9 25.0 25.1 25.1 25.0 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 203.9 204.3 204.7 205.1 204.5 NALYSIS AI 0) (8020) (N H) (NWTPH- activity) (TD C) (Total PO- de) (WAD Cy) (As) (Sb) (etals) (As) (Sl g short list)	D.O. (mg/L) 1.43 1.47 1.49 1.48 1.47 LLOWED PF WYTPH-G) (D) (NWTPH SS) (TSS) (B 4) (Total Kie //anide) (Free Ba) (Be) (Ca b) (Ba) (Be) (Ca	6.24 6.24 6.24 6.24 6.24 6.24 6.24 CR BOTTLE NWTPH-GX I-DX) (TPH-GOD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 1.0 1.1 1.2 1.4 1.2 TYPE (Circle and (BTEX)) HCID) (8081) dity) (Alkalinity) (Mathematical (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interpolation of the interpo	DTW (ft) non-standard at ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB ON (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 5	Temp (°F/°C) 24.9 25.0 25.1 25.1 25.0 TYPICAL A (8260) (8010 (8270) (PAF (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 203.9 204.3 204.7 205.1 204.5 NALYSIS AI 0) (8020) (N H) (NWTPH- activity) (TD C) (Total PO- de) (WAD Cy) (As) (Sb) (etals) (As) (Sl g short list)	D.O. (mg/L) 1.43 1.47 1.49 1.48 1.47 LLOWED PF WYTPH-G) (D) (NWTPH SS) (TSS) (B 4) (Total Kie //anide) (Free Ba) (Be) (Ca b) (Ba) (Be) (Ca	6.24 6.24 6.24 6.24 6.24 6.24 6.24 CR BOTTLE NWTPH-GX I-DX) (TPH-GOD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 1.0 1.1 1.2 1.4 1.2 TYPE (Circle and (BTEX)) HCID) (8081) dity) (Alkalinity) (Mathematical (NH3) (NO3) (Cr) (Cu) (Fe)	#DIV/0! #DIV/0! pplicable or write in the interpolation of the interpo	DTW (ft) non-standard at ase) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB ON (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR



Project Name	e <u>:</u>	Boeing Ren	ton		Project Numbe	r:	0025217.099.0	99	
Event:		May-20		_	Date/Time:	05/11 /2020@	1405		
Sample Num	ıber:	RGW257S-	200511		Weather:	SUNNY, HOT			
Landau Repr	esentative:	BXM			•				
WATED LEV	'EL/WELL/PU	IDCE DATA							
Well Conditio		Secure (YES)	Damaged (N	(O)	Describe	Flush Mount		
		`					Trush Mount	CWIN N. N. (GL ODE 2
DTW Before	0 0 0	8.75	Time:		Flow through ce			GW Meter No.(
Begin Purge:		05/11 /202		End Purge:		05/11 /2020 @		Gallons Purged:	-
Purge water di	isposed to:		55-gal Drum		Storage Tank	Ground	Other	SITE TREATM	ENT SYSTEM
	Temp	Cond.	D.O.	pН	ORP	Turbidity	DTW	Internal Purge	Comments/
Time	(°F/°C)	(uS/cm)	(mg/L)	e a	(mV)	(NTU)	(ft)	Volume (gal)	Observations
	+/- 3%	s: Stablizatio +/- 3%		+/- 0.1 units	+/- 10 mV	lings within the fol +/- 10%	< 0.3 ft	>/= 1 flow through cell	
1242						1, 10,0		un ough cen	
1343	19.3	168.3	1.65	6.27	16.1		8.75		
1346	22.3	184.5	1.49	6.22	10.2		8.75		
1349	23.2	187.8	1.45	6.2	10.9		8.75		
1352	23.5	191.1	1.26	6.19	12.2				
1355	23.8	193.5	1.17	6.18	13.0				
1358	23.7	195.2	1.06	6.19	14.0				
	-	-							
1401	23.7	197.0	1.02	6.18	14.9				
SAMPLE CO									
Sample Collec	eted With:		Bailer	_		BLADDER DEDI		_	
Made of:	Ш	Stainless Ste	el 📙	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proced	ure:	Alconox Wa	sh 🔲	Tap Rinse	DI Water	Dedicated			
(By Numerica	10.1								
(2) Trumerica	i Oraer)	Other							
		-	, sheen, etc.):	CLEAR, CO	LORLESS, NO S	HEEN, NO ODOR			
Sample Descr	iption (color, t	turbidity, odor	· · · /_	·	•	•			
	iption (color, t	curbidity, odor	D.O.	CLEAR, CO	ORP	Turbidity	DTW	Ferrous iron (Fe II)	Comments/ Observations
Sample Descri Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	•		Ferrous iron (Fe II)	Comments/ Observations
Sample Descr Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	рН 6.18	ORP (mV)	Turbidity	DTW		
Sample Descri Replicate	Temp (°F/°C)	Cond. (uS/cm) 197.0	D.O. (mg/L) 0.99	pН	ORP (mV)	Turbidity	DTW		
Sample Descr Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	рН 6.18	ORP (mV)	Turbidity	DTW		
Sample Description Replicate 1 2	Temp (°F/°C) 23.6	Cond. (uS/cm) 197.0	D.O. (mg/L) 0.99	pH 6.18 6.19	ORP (mV) 14.8	Turbidity	DTW		
Replicate 1 2 3	Temp (°F/°C) 23.6 23.6 23.6	Cond. (uS/cm) 197.0 197.2	D.O. (mg/L) 0.99 0.95	pH 6.18 6.19 6.18	ORP (mV) 14.8 15.0	Turbidity	DTW		
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.6 23.6 23.6 23.5 23.6	Cond. (uS/cm) 197.0 197.2 197.3 197.2	D.O. (mg/L) 0.99 0.95 0.93 1.04 0.98	pH 6.18 6.19 6.19 6.19	ORP (mV) 14.8 15.0 15.4 15.3	Turbidity (NTU) #DIV/0!	DTW (ft)	(Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.6 23.6 23.6 23.5 23.6	Cond. (uS/cm) 197.0 197.2 197.4 197.3 197.2 NALYSIS AL	D.O. (mg/L) 0.99 0.95 0.93 1.04 0.98	6.18 6.19 6.18 6.19 6.19 6.19	ORP (mV) 14.8 15.0 15.4 15.3 15.1 TYPE (Circle a)	Turbidity (NTU)	DTW (ft)	(Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.6 23.6 23.5 23.6 23.6 23.6 (8260) (8010	Cond. (uS/cm) 197.0 197.2 197.3 197.2 NALYSIS AI 0) (8020) (N	D.O. (mg/L) 0.99 0.95 0.93 1.04 0.98 LLOWED PE	6.18 6.19 6.18 6.19 6.19 6.19 REPORTLE	ORP (mV) 14.8 15.0 15.4 15.3 15.1 TYPE (Circle aport) (BTEX)	Turbidity (NTU) #DIV/0!	DTW (ft)	(Fe II)	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.6 23.6 23.5 23.6 23.6 (8260) (8010 (8270) (PAH	Cond. (uS/cm) 197.0 197.2 197.4 197.3 197.2 NALYSIS AI (S020) (NI) (NWTPH-	D.O. (mg/L) 0.99 0.95 0.93 1.04 0.98 LLOWED PE	6.18 6.19 6.18 6.19 6.19 6.19 CR BOTTLE NWTPH-GX 1-DX) (TPH-	ORP (mV) 14.8 15.0 15.4 15.3 15.1 TYPE (Circle a) (BTEX) HCID) (8081)	#DIV/0!	OTW (ft)	nalysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.6 23.6 23.6 23.6 23.6 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu	Cond. (uS/cm) 197.0 197.2 197.4 197.3 197.2 NALYSIS AI () (8020) (N () (NWTPH- tetivity) (TD	D.O. (mg/L) 0.99 0.95 0.93 1.04 0.98 LLOWED PERWYPH-G) (MYTPH-G) (MYTP	6.18 6.19 6.19 6.19 6.19 CR BOTTLE NWTPH-GX 1-Dx) (TPH-OD) (Turbic	ORP (mV) 14.8 15.0 15.4 15.3 15.1 TYPE (Circle a) (BTEX) HCID) (8081)	#DIV/0! pplicable or write in the second control of the second co	OTW (ft)	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.6 23.6 23.6 23.6 23.6 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu	Cond. (uS/cm) 197.0 197.2 197.4 197.3 197.2 NALYSIS AI 0) (8020) (N II) (NWTPH- lectivity) (TD	D.O. (mg/L) 0.99 0.95 0.93 1.04 0.98 LLOWED PE JWTPH-G) (D) (NWTPH S) (TSS) (B 4) (Total Kie	6.18 6.19 6.18 6.19 6.19 CR BOTTLE NWTPH-Gx 1-Dx) (TPH-OD) (Turbidahl Nitroger	ORP (mV) 14.8 15.0 15.4 15.3 15.1 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity	#DIV/0! pplicable or write in the second control of the second co	OTW (ft)	nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.6 23.6 23.6 23.6 23.6 23.6 (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid	Cond. (uS/cm) 197.0 197.2 197.4 197.3 197.2 NALYSIS AI 0) (8020) (N I) (NWTPH- lectivity) (TD C) (Total PO- le) (WAD Cy	D.O. (mg/L) 0.99 0.95 0.93 1.04 0.98 LLOWED PERMYPH-G) (D) (NWTPH-S) (TSS) (Bd4) (Total Kievanide) (Freevanide) (Freevanide)	6.18 6.19 6.18 6.19 6.19 CR BOTTLE NWTPH-GX (I-DX) (TPH-OD) (Turbidahl Nitroger Cyanide)	ORP (mV) 14.8 15.0 15.4 15.3 15.1 TYPE (Circle a) (BTEX) HCID) (8081) dity) (Alkalinity a) (NH3) (NO3)	#DIV/0! pplicable or write in the second control of the second co	DTW (ft) non-standard and asse) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA O WA O O O O O O O O O O O O O	Observations OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.6 23.6 23.6 23.6 23.6 23.6 (8260) (8010) (8270) (PAH (pH) (Conduction (COD) (Total Cyanidal (Total Metals)	Cond. (uS/cm) 197.0 197.2 197.4 197.3 197.2 NALYSIS AI (NWTPH-activity) (TD (Total PO- le) (WAD Cy) (As) (Sb) (D.O. (mg/L) 0.99 0.95 0.93 1.04 0.98 LLOWED PE WTPH-G) (D) (NWTPH S) (TSS) (B 4) (Total Kie //anide) (Free Ba) (Be) (Ca	6.18 6.19 6.18 6.19 6.19 CR BOTTLE NWTPH-GX (I-DX) (TPH-OD) (Turbic dahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) 14.8 15.0 15.4 15.3 15.1 TYPE (Circle application of the company o	#DIV/0! #DIV/0! pplicable or write in the interpretation of the	DTW (ft) non-standard and asse) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.6 23.6 23.6 23.6 23.6 23.6 (8260) (8010) (8270) (PAH (pH) (Conduction (COD) (Total Cyanidal (Total Metals)	Cond. (uS/cm) 197.0 197.2 197.4 197.3 197.2 NALYSIS AI () (8020) (N I) (NWTPH- () (Total PO- () (Total PO- () (AS) (Sb) ((etals) (AS) (Sl)	D.O. (mg/L) 0.99 0.95 0.93 1.04 0.98 LLOWED PE WTPH-G) (D) (NWTPH S) (TSS) (B 4) (Total Kie //anide) (Free Ba) (Be) (Ca	6.18 6.19 6.18 6.19 6.19 CR BOTTLE NWTPH-GX (I-DX) (TPH-OD) (Turbic dahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) 14.8 15.0 15.4 15.3 15.1 TYPE (Circle application of the company o	#DIV/0! #DIV/0! pplicable or write in the interpretation of the	DTW (ft) non-standard and asse) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.6 23.6 23.6 23.5 23.6 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 197.0 197.2 197.4 197.3 197.2 NALYSIS AI () (8020) (N I) (NWTPH- () (Total PO- () (Total PO- () (AS) (Sb) ((etals) (AS) (Sl)	D.O. (mg/L) 0.99 0.95 0.93 1.04 0.98 LLOWED PENTPH-G) (D) (NWTPH-S) (TSS) (B4) (Total Kie vanide) (Free Ba) (Be) (Cab) (Ba) (Be) (Cab)	6.18 6.19 6.18 6.19 6.19 CR BOTTLE NWTPH-GX (I-DX) (TPH-OD) (Turbic dahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) 14.8 15.0 15.4 15.3 15.1 TYPE (Circle application of the company o	#DIV/0! #DIV/0! pplicable or write in the interpretation of the	DTW (ft) non-standard and asse) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.6 23.6 23.6 23.5 23.6 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 197.0 197.2 197.4 197.3 197.2 NALYSIS AI () (8020) (N I) (NWTPH- ictivity) (TD C) (Total PO- ice) (WAD Cy () (As) (Sb) (icetals) (As) (Sb)	D.O. (mg/L) 0.99 0.95 0.93 1.04 0.98 LLOWED PENTPH-G) (D) (NWTPH-S) (TSS) (B4) (Total Kie vanide) (Free Ba) (Be) (Cab) (Ba) (Be) (Cab)	6.18 6.19 6.18 6.19 6.19 CR BOTTLE NWTPH-GX (I-DX) (TPH-OD) (Turbic dahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) 14.8 15.0 15.4 15.3 15.1 TYPE (Circle application of the company o	#DIV/0! #DIV/0! pplicable or write in the interpretation of the	DTW (ft) non-standard and asse) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 23.6 23.6 23.6 23.5 23.6 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 197.0 197.2 197.4 197.3 197.2 NALYSIS AI () (8020) (N I) (NWTPH- ictivity) (TD C) (Total PO- ice) (WAD Cy () (As) (Sb) (icetals) (As) (Sb)	D.O. (mg/L) 0.99 0.95 0.93 1.04 0.98 LLOWED PENTPH-G) (D) (NWTPH-S) (TSS) (B4) (Total Kie vanide) (Free Ba) (Be) (Cab) (Ba) (Be) (Cab)	6.18 6.19 6.18 6.19 6.19 CR BOTTLE NWTPH-GX (I-DX) (TPH-OD) (Turbic dahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) 14.8 15.0 15.4 15.3 15.1 TYPE (Circle application of the company o	#DIV/0! #DIV/0! pplicable or write in the interpretation of the	DTW (ft) non-standard and asse) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 4	Temp (°F/°C) 23.6 23.6 23.6 23.5 23.6 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 197.0 197.2 197.4 197.3 197.2 NALYSIS AI () (8020) (N I) (NWTPH- ictivity) (TD C) (Total PO- ice) (WAD Cy () (As) (Sb) (icetals) (As) (Sb)	D.O. (mg/L) 0.99 0.95 0.93 1.04 0.98 LLOWED PENTPH-G) (D) (NWTPH-S) (TSS) (B4) (Total Kie vanide) (Free Ba) (Be) (Cab) (Ba) (Be) (Cab)	6.18 6.19 6.18 6.19 6.19 CR BOTTLE NWTPH-GX (I-DX) (TPH-OD) (Turbic dahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) 14.8 15.0 15.4 15.3 15.1 TYPE (Circle application of the company o	#DIV/0! #DIV/0! pplicable or write in the interpretation of the	DTW (ft) non-standard and asse) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 4	Temp (°F/°C) 23.6 23.6 23.6 23.5 23.6 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 197.0 197.2 197.4 197.3 197.2 NALYSIS AI () (8020) (N I) (NWTPH- ictivity) (TD C) (Total PO- ice) (WAD Cy () (As) (Sb) (icetals) (As) (Sb)	D.O. (mg/L) 0.99 0.95 0.93 1.04 0.98 LLOWED PENTPH-G) (D) (NWTPH-S) (TSS) (B4) (Total Kie vanide) (Free Ba) (Be) (Cab) (Ba) (Be) (Cab)	6.18 6.19 6.18 6.19 6.19 CR BOTTLE NWTPH-GX (I-DX) (TPH-OD) (Turbic dahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) 14.8 15.0 15.4 15.3 15.1 TYPE (Circle application of the company o	#DIV/0! #DIV/0! pplicable or write in the interpretation of the	DTW (ft) non-standard and asse) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 4 Duplicate Sam	Temp (°F/°C) 23.6 23.6 23.6 23.5 23.6 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 197.0 197.2 197.4 197.3 197.2 NALYSIS AI () (8020) (N I) (NWTPH- ictivity) (TD C) (Total PO- ice) (WAD Cy () (As) (Sb) (icetals) (As) (Sb)	D.O. (mg/L) 0.99 0.95 0.93 1.04 0.98 LLOWED PENTPH-G) (D) (NWTPH-S) (TSS) (B4) (Total Kie vanide) (Free Ba) (Be) (Cab) (Ba) (Be) (Cab)	6.18 6.19 6.18 6.19 6.19 CR BOTTLE NWTPH-GX (I-DX) (TPH-OD) (Turbic dahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) 14.8 15.0 15.4 15.3 15.1 TYPE (Circle application of the company o	#DIV/0! #DIV/0! pplicable or write in the interpretation of the	DTW (ft) non-standard and asse) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 4	Temp (°F/°C) 23.6 23.6 23.6 23.5 23.6 TYPICAL A (8260) (8010 (8270) (PAH (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 197.0 197.2 197.4 197.3 197.2 NALYSIS AI () (8020) (N I) (NWTPH- ictivity) (TD C) (Total PO- ice) (WAD Cy () (As) (Sb) (icetals) (As) (Sb)	D.O. (mg/L) 0.99 0.95 0.93 1.04 0.98 LLOWED PENTPH-G) (D) (NWTPH-S) (TSS) (B4) (Total Kie vanide) (Free Ba) (Be) (Cab) (Ba) (Be) (Cab)	6.18 6.19 6.18 6.19 6.19 CR BOTTLE NWTPH-GX (I-DX) (TPH-OD) (Turbic dahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) 14.8 15.0 15.4 15.3 15.1 TYPE (Circle application of the company o	#DIV/0! #DIV/0! pplicable or write in the image of the	DTW (ft) non-standard and asse) Cl) (SO4) (NO	(Fe II) nalysis below) WA WA OB (NO2) (F) TI) (V) (Zn) (H	Observations OR OR OR OR OR OR OR OR OR OR



Project Name	:	Boeing Rento	on		Project Number:		0025217.099.09	9	
Event:		May-20			Date/Time:	05/11 /2020@	1401		
Sample Numb	ber:	RGW258S-	200511		Weather:	SUNNY			
Landau Repre	esentative:	JAN							
WATER LEVI	EL/WELL/PUR	GE DATA							
Well Condition	1:	Secure (YES)		Damaged (NO	D)	Describe:	Flush Mount		
DTW Before P	urging (ft)	6.58	Time:	1325	Flow through cell	vol.		GW Meter No.(s)	1
Begin Purge:	Date/Time:	05/ 11/2020 @	1328	End Purge:	Date/Time:	05/11/2020@	1348	Gallons Purged:	0.5
Purge water dis	sposed to:		55-gal Drum		Storage Tank	Ground	Other	SITE TREATME	NT 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 (+/- 3%	Goals: Stablizat +/- 3%	ion of Param +/- 10%	eters for three +/- 0.1 units	consecutive readi +/- 10 mV	ngs within the follow +/- 10%	ving limits < 0.3 ft	>/= 1 flow through cell vol.	
1331	18.2	268.3	1.07	6.27	1.2	., 10,0	6.58	tin ough cen you	
	• •								
1334	20.3	312.4	0.91	6.32	-13.3		6.58		
1337	20.9	319.5	0.89	6.36	-16.3		6.58		
1340	21.0	323.9	0.90	6.39	-19.1				
1343	21.0	322.8	0.85	6.41	-21.9				
1346	21.1	323.6	0.87	6.41	-22.6				
1348	20.9	323.7	0.90	6.41	-23.0				
SAMPLE COL	LECTION DA	TA							
Sample Collect	ted With:		Bailer		Pump/Pump Type	DED. BLADDER			
Made of:		Stainless Steel		PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Procedu	ıre:	Alconox Wash		Tap Rinse	DI Water	Dedicated			
(By Numerical	Order)	Other							
Sample Descrip	ption (color, tur	bidity, odor, she	en, etc.):	NO COLOR,	LOW TURB, NO/	IS.			
Replicate	Temp	Cond.	D.O.	pН	ORP	Turbidity	DTW	Ferrous iron	Comments/
F	(°F/°C)	(uS/cm)	(mg/L)	P	(mV)	(NTU)	(ft)	(Fe II)	Observations
1	21.0	323.6	0.90	6.42	-23.1				
2	21.0	323.6	0.90	6.42	-23.1				
3	21.0	323.7	0.90	6.42	-23.1				
4	21.0	323.6	0.90	6.41	-22.8				
						#DIV/01			
Average:	21.0	323.6	0.90	6.42	-23.0	#DIV/0!			
QUANTITY					`	le or write non-stan	dard analysis bel		
5	, , ,	(8020) (NW		/ \	TEX)	(0.1 a G		WA L	OR 🗆
			`		(Alkalinity) (HC)	Oil & Grease) O3/CO3) (Cl) (SO4	4) (NO3) (NO2)	WA L	OR □
1					(Alkalinity) (HC) NH3) (NO3/NO2)	55/CO5) (CI) (SO	T) (1103) (1102)	, (1)	
-		(WAD Cyani			(**********				
					(Cu) (Fe) (Pb) (N	Mg) (Mn) (Ni) (Ag)	(Se) (Tl) (V) (2	Zn) (Hg) (K) (Na)
	(Dissolved Me	tals) (As) (Sb) (I	Ba) (Be) (Ca)	(Cd) (Co) (Cr)	(Cu) (Fe) (Pb) (Mg	(Mn) (Ni) (Ag) (Se)	(Tl) (V) (Zn) (Hg	g) (K) (Na) (Hardne	ess) (Silica)
	VOC (Boeing								
	Methane Etha	ne Ethene Acety	lene						
	others								
	- unero								
Duplicate Sam	1. NI. (-).								
Comments:	MSMSD Loc	ation							



Project Nam	ne:	Boeing Ren	iton		Project Number	r:	0025217.099.0	99	
Event:		May-20			Date/Time:	05/ 13 /2020@	1145		
Sample Nun	nber:	RGW247S-	200513		Weather:	OVERCAST, 50)S		
Landau Rep	resentative:	BXM			-	•			
WATEDIEV	VEL/WELL/PU	IDGE DATA							
Well Condition		Secure (YES)	Damaged (N	(A)	Describe:	Flush Mount		
		,					riusii Moulit	CWAY N. A.	CI ODE 2
DTW Before	0 0 0	3.56	Time:		Flow through cel			GW Meter No.(s	
	Date/Time:	05/ 13 /202		End Purge:		05/ 13 /2020 @ 1		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)	tars for three	(mV)	(NTU) lings within the fo	(ft)	Volume (gal) >/= 1 flow	Observations
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
1124	14.9	381.7	0.43	6.03	-1.6		3.63	8	
			-					· 	
1127	15.4	384.7	0.50	6.09	-6.2		3.61		
1130	15.9	386.4	0.58	6.11	-13.2		3.59		
1133	16.1	387.7	0.62	6.16	-19.7				
1136	16.3	388.2	0.65	6.18	-24.4				
1139	- (0.72	6.20					
-		388.8			-28.5				
1142	16.5	388.2	0.72	6.21	-30.7				
SAMPLE CO	LLECTION I								
Sample Colle	ected With:		Bailer		Pump/Pump Type	BLADDER - DEI	DICATED		
Made of:		Stainless Ste	el 🔲	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proced	dure:	Alconox Wa	sh 🔲	Tap Rinse	DI Water	Dedicated			
(By Numerica	-1 ()	(T) (Alb							
(By Ivamerica	u Oraer)	Other							
		-	, sheen, etc.):	CLEAR, CO	LORLESS, NO C	DOR, NO SHEEN	, LIGHT FINES	\$	
Sample Descr	ription (color,	turbidity, odor	· /-		•				
	ription (color, t	turbidity, odor	D.O.	CLEAR, CO	ORP	Turbidity	DTW	Ferrous iron	Comments/
Sample Descri Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)				Comments/ Observations
Sample Descr	ription (color, t	turbidity, odor	D.O.		ORP	Turbidity	DTW	Ferrous iron	
Sample Descri Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity	DTW	Ferrous iron	
Sample Descri Replicate	Temp (°F/°C)	Cond. (uS/cm) 388.1	D.O. (mg/L)	рН 6.21	ORP (mV)	Turbidity	DTW	Ferrous iron	
Replicate 1 2	Temp (°F/°C) 16.6	Cond. (uS/cm) 388.1	D.O. (mg/L) 0.74 0.73	pH 6.21 6.21	ORP (mV) -31.0 -31.2	Turbidity	DTW	Ferrous iron	
Replicate 1 2 3 4	Temp (°F/°C) 16.6 16.5 16.6	Cond. (uS/cm) 388.1 388.3 388.4	D.O. (mg/L) 0.74 0.73 0.77	6.21 6.21 6.21 6.21	ORP (mV) -31.0 -31.2 -31.5 -31.7	Turbidity (NTU)	DTW	Ferrous iron	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 16.6 16.5 16.6 16.6	Cond. (uS/cm) 388.1 388.3 388.4 388.4	D.O. (mg/L) 0.74 0.73 0.77 0.74	6.21 6.21 6.21 6.21 6.21	ORP (mV) -31.0 -31.2 -31.5 -31.7 -31.4	Turbidity (NTU) #DIV/0!	DTW (ft)	Ferrous iron (Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 16.6 16.5 16.6 16.6 TYPICAL A	Cond. (uS/cm) 388.1 388.3 388.4 388.4 388.3	D.O. (mg/L) 0.74 0.73 0.77 0.77 0.74 LLOWED PE	6.21 6.21 6.21 6.21 6.21 6.21 6.21	ORP (mV) -31.0 -31.2 -31.5 -31.7 -31.4 TYPE (Circle ap	Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 16.6 16.5 16.6 16.6 TYPICAL A (8260) (8010	Cond. (uS/cm) 388.1 388.3 388.4 388.4 388.3 NALYSIS AI (0) (8020) (N	D.O. (mg/L) 0.74 0.73 0.73 0.77 0.74 LLOWED PF	6.21 6.21 6.21 6.21 6.21 6.21 CER BOTTLE (NWTPH-GX)	ORP (mV) -31.0 -31.2 -31.5 -31.7 -31.4 TYPE (Circle approximately continuous properties of the co	Turbidity (NTU) #DIV/0!	DTW (ft)	Ferrous iron (Fe II) nalysis below) WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 16.6 16.5 16.6 16.6 174PICAL A (8260) (8010 (8270D) (PA	Cond. (uS/cm) 388.1 388.3 388.4 388.4 388.3 NALYSIS AI 0) (8020) (NAH) (NWTPI	D.O. (mg/L) 0.74 0.73 0.73 0.77 0.74 LLOWED PP	6.21 6.21 6.21 6.21 6.21 6.21 6.21 ER BOTTLE (NWTPH-Gx) PH-Dx) (TPH	ORP (mV) -31.0 -31.2 -31.5 -31.7 -31.4 TYPE (Circle ap (BTEX)) H-HCID) (8081)	#DIV/0!	DTW (ft)	Ferrous iron (Fe II) nalysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 16.6 16.5 16.6 16.6 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Conductive)	Cond. (uS/cm) 388.1 388.3 388.4 388.4 388.3 NALYSIS AI 0) (8020) (N AH) (NWTPI	D.O. (mg/L) 0.74 0.73 0.77 0.74 LLOWED PERWYPH-G) (M-D) (NWTH-S) (TSS) (E	6.21 6.21 6.21 6.21 6.21 6.21 6.21 6.21	ORP (mV) -31.0 -31.2 -31.5 -31.7 -31.4 TYPE (Circle ap (BTEX) H-HCID) (8081) dity) (Alkalinity)	#DIV/0! #DIV/0! plicable or write (8141) (Oil & G (HCO3/CO3) (6	DTW (ft)	Ferrous iron (Fe II) nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 16.6 16.5 16.6 16.6 16.6 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu	Cond. (uS/cm) 388.1 388.3 388.4 388.4 388.3 NALYSIS AI (0) (8020) (N AH) (NWTPI detivity) (TD C) (Total PO-	D.O. (mg/L) 0.74 0.73 0.77 0.74 LLOWED PR WTPH-G) (NWTP H-D) (NWTP S) (TSS) (E	6.21 6.21 6.21 6.21 6.21 6.21 6.21 6.21	ORP (mV) -31.0 -31.2 -31.5 -31.7 -31.4 TYPE (Circle ap (BTEX)) H-HCID) (8081)	#DIV/0! #DIV/0! plicable or write (8141) (Oil & G (HCO3/CO3) (6	DTW (ft)	Ferrous iron (Fe II) nalysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 16.6 16.5 16.6 16.6 TYPICAL A (8260) (8010 (8270D) (PA (PH) (Conduction (COD) (Tool (Total Cyanical Cy	Cond. (uS/cm) 388.1 388.3 388.4 388.4 388.3 NALYSIS AI (0) (8020) (N AH) (NWTPI (nctivity) (TD (C) (Total PO-	D.O. (mg/L) 0.74 0.73 0.77 0.74 LLOWED PENWTPH-G) (M-D) (NWTPH-G) (M-D) (NWTPH-G) (M-D) (TSS) (E) (Total Kiewanide) (Freezanide) (Freezanide) (Freezanide) (Freezanide)	6.21 6.21 6.21 6.21 6.21 6.21 6.21 6.21	ORP (mV) -31.0 -31.2 -31.5 -31.7 -31.4 TYPE (Circle ap (BTEX) H-HCID) (8081) dity) (Alkalinity) (a) (NH3) (NO3/	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G (HCO3/CO3) (ONO2)	DTW (ft) mon-standard at rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 16.6 16.5 16.6 16.6 TYPICAL A (8260) (8010 (8270D) (PA (COD) (Total Cyanid (Total Metals))	Cond. (uS/cm) 388.1 388.3 388.4 388.3 NALYSIS AI 0) (8020) (N AH) (NWTPI netivity) (TD C) (Total PO- le) (WAD Cy) (As) (Sb) (D.O. (mg/L) 0.74 0.73 0.77 0.74 LLOWED PH NWTPH-G) (NWTPH-G)	6.21 6.21 6.21 6.21 6.21 6.21 6.21 6.21	ORP (mV) -31.0 -31.2 -31.5 -31.7 -31.4 TYPE (Circle ap (BTEX) H-HCID) (8081) dity) (Alkalinity) n) (NH3) (NO3/	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G (HCO3/CO3) (G NO2)	DTW (ft) non-standard and and arease) 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 GR GR GR GR GR GR GR GR GR G
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 16.6 16.5 16.5 16.6 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M	Cond. (uS/cm) 388.1 388.3 388.4 388.3 NALYSIS AI (NWTPHetivity) (TD (C) (Total POde) (WAD Cy (detals) (As) (Sb) (setals) (As) (Sl)	D.O. (mg/L) 0.74 0.73 0.77 0.74 LLOWED PH NWTPH-G) (NWTPH-G)	6.21 6.21 6.21 6.21 6.21 6.21 6.21 6.21	ORP (mV) -31.0 -31.2 -31.5 -31.7 -31.4 TYPE (Circle ap (BTEX) H-HCID) (8081) dity) (Alkalinity) n) (NH3) (NO3/	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G (HCO3/CO3) (G NO2)	DTW (ft) non-standard and and arease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 16.6 16.5 16.5 16.6 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 388.1 388.3 388.4 388.4 388.3 NALYSIS AI (b) (8020) (N AH) (NWTPI (citivity) (TD (c) (Total PO- (de) (WAD Cy (de) (WAD Cy (de) (As) (Sb) (detals) (As) (Sl) (g short list)	D.O. (mg/L) 0.74 0.73 0.77 0.74 LLOWED PF NWTPH-G) (NWTH S) (TSS) (E 4) (Total Kie vanide) (Free Ba) (Be) (Ca b) (Ba) (Be) (Ca	6.21 6.21 6.21 6.21 6.21 6.21 6.21 6.21	ORP (mV) -31.0 -31.2 -31.5 -31.7 -31.4 TYPE (Circle ap (BTEX) H-HCID) (8081) dity) (Alkalinity) n) (NH3) (NO3/	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G (HCO3/CO3) (G NO2)	DTW (ft) non-standard and and arease) 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 GR GR GR GR GR GR GR GR GR G
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 16.6 16.5 16.5 16.6 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 388.1 388.3 388.4 388.3 NALYSIS AI (NWTPHetivity) (TD (C) (Total POde) (WAD Cy (detals) (As) (Sb) (setals) (As) (Sl)	D.O. (mg/L) 0.74 0.73 0.77 0.74 LLOWED PF NWTPH-G) (NWTH S) (TSS) (E 4) (Total Kie vanide) (Free Ba) (Be) (Ca b) (Ba) (Be) (Ca	6.21 6.21 6.21 6.21 6.21 6.21 6.21 6.21	ORP (mV) -31.0 -31.2 -31.5 -31.7 -31.4 TYPE (Circle ap (BTEX) H-HCID) (8081) dity) (Alkalinity) n) (NH3) (NO3/	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G (HCO3/CO3) (G NO2)	DTW (ft) non-standard and and arease) 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 GR GR GR GR GR GR GR GR GR G
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 16.6 16.5 16.5 16.6 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 388.1 388.3 388.4 388.4 388.3 NALYSIS AI (b) (8020) (N AH) (NWTPI (citivity) (TD (c) (Total PO- (de) (WAD Cy (de) (WAD Cy (de) (As) (Sb) (detals) (As) (Sl) (g short list)	D.O. (mg/L) 0.74 0.73 0.77 0.74 LLOWED PF NWTPH-G) (NWTH S) (TSS) (E 4) (Total Kie vanide) (Free Ba) (Be) (Ca b) (Ba) (Be) (Ca	6.21 6.21 6.21 6.21 6.21 6.21 6.21 6.21	ORP (mV) -31.0 -31.2 -31.5 -31.7 -31.4 TYPE (Circle aportion (BTEX) H-HCID) (8081) dity) (Alkalinity) n) (NH3) (NO3/	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G (HCO3/CO3) (G NO2)	DTW (ft) non-standard and and arease) 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 GR GR GR GR GR GR GR GR GR G
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 16.6 16.5 16.5 16.6 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 388.1 388.3 388.4 388.4 388.3 NALYSIS AI (b) (8020) (N AH) (NWTPI (citivity) (TD (c) (Total PO- (de) (WAD Cy (de) (WAD Cy (de) (As) (Sb) (detals) (As) (Sl) (g short list)	D.O. (mg/L) 0.74 0.73 0.77 0.74 LLOWED PF NWTPH-G) (NWTH S) (TSS) (E 4) (Total Kie vanide) (Free Ba) (Be) (Ca b) (Ba) (Be) (Ca	6.21 6.21 6.21 6.21 6.21 6.21 6.21 6.21	ORP (mV) -31.0 -31.2 -31.5 -31.7 -31.4 TYPE (Circle aportion (BTEX) H-HCID) (8081) dity) (Alkalinity) n) (NH3) (NO3/	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G (HCO3/CO3) (G NO2)	DTW (ft) non-standard and and arease) 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 GR GR GR GR GR GR GR GR GR G
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 16.6 16.5 16.6 16.6 TYPICAL A (8260) (8010 (8270D) (PA (PH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 388.1 388.3 388.4 388.4 388.3 NALYSIS AI (b) (8020) (N AH) (NWTPI (citivity) (TD (c) (Total PO- (de) (WAD Cy (de) (WAD Cy (de) (As) (Sb) (detals) (As) (Sl) (g short list)	D.O. (mg/L) 0.74 0.73 0.77 0.74 LLOWED PF NWTPH-G) (NWTH S) (TSS) (E 4) (Total Kie vanide) (Free Ba) (Be) (Ca b) (Ba) (Be) (Ca	6.21 6.21 6.21 6.21 6.21 6.21 6.21 6.21	ORP (mV) -31.0 -31.2 -31.5 -31.7 -31.4 TYPE (Circle aportion (BTEX) H-HCID) (8081) dity) (Alkalinity) n) (NH3) (NO3/	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G (HCO3/CO3) (G NO2)	DTW (ft) non-standard and and arease) 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 GR GR GR GR GR GR GR GR GR G
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 16.6 16.5 16.6 16.6 TYPICAL A (8260) (8010 (8270D) (PA (PH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 388.1 388.3 388.4 388.4 388.3 NALYSIS AI (b) (8020) (N AH) (NWTPI (citivity) (TD (c) (Total PO- (de) (WAD Cy (de) (WAD Cy (de) (As) (Sb) (detals) (As) (Sl) (g short list)	D.O. (mg/L) 0.74 0.73 0.77 0.74 LLOWED PF NWTPH-G) (NWTH S) (TSS) (E 4) (Total Kie vanide) (Free Ba) (Be) (Ca b) (Ba) (Be) (Ca	6.21 6.21 6.21 6.21 6.21 6.21 6.21 6.21	ORP (mV) -31.0 -31.2 -31.5 -31.7 -31.4 TYPE (Circle aportion (BTEX) H-HCID) (8081) dity) (Alkalinity) n) (NH3) (NO3/	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G (HCO3/CO3) (G NO2)	DTW (ft) non-standard and and arease) 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 GR GR GR GR GR GR GR GR GR G
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 16.6 16.5 16.6 16.6 TYPICAL A (8260) (8010 (8270D) (PA (PH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 388.1 388.3 388.4 388.4 388.3 NALYSIS AI (b) (8020) (N AH) (NWTPI (citivity) (TD (c) (Total PO- (de) (WAD Cy (de) (WAD Cy (de) (As) (Sb) (detals) (As) (Sl) (g short list)	D.O. (mg/L) 0.74 0.73 0.77 0.74 LLOWED PF NWTPH-G) (NWTH S) (TSS) (E 4) (Total Kie vanide) (Free Ba) (Be) (Ca b) (Ba) (Be) (Ca	6.21 6.21 6.21 6.21 6.21 6.21 6.21 6.21	ORP (mV) -31.0 -31.2 -31.5 -31.7 -31.4 TYPE (Circle aportion (BTEX) H-HCID) (8081) dity) (Alkalinity) n) (NH3) (NO3/	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G (HCO3/CO3) (G NO2)	DTW (ft) non-standard and and arease) 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 GR GR GR GR GR GR GR GR GR G



Project Name	e <u>:</u>	Boeing Ren	iton		Project Number	r:	0025217.099.0	99	
Event:		May-20		_	Date/Time:	05/ 13 /2020@	1110		
Sample Num	nber:	RGW248I-	200513		Weather:	PARTY CLOUE	OY, 50S		
Landau Repr	resentative:	BXM			-				
WATEDIEV	EL/WELL/PU	IDGE DATA							
Well Conditio		Secure (YES	1)	Damaged (N	(O)	Dogovihou	Flush Mount		
		`	,	- '			riush Mount		~ ~ ~ ~ ~ ~
DTW Before	0 0 . ,	3.36	Time:		Flow through cel			GW Meter No.(
Begin Purge:		05/ 13 /202		End Purge:	Date/Time:	05/ 13 /2020 @ 1		Gallons Purged:	-
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%		ters for three +/- 0.1 units	+/- 10 mV	lings within the fol +/- 10%	llowing limits < 0.3 ft	>/= 1 flow	
						T/- 10 /0		through cell	
1048	15.4	473.3	0.68	6.14	-6.1		3.33		
1051	15.8	484.9	0.85	6.05	-14.3		3.30		
1054	16.1	479.3	1.00	6.05	-18.8		3.28		
1057	16.4	475.9	1.08	6.08	-22.4				
							-		
1100	16.5	474.3	1.20	6.09	-24.3		-		
1103	16.9	473.1	1.26	6.12	-27.1				
1106	17.3	474.9	1.26	6.14	-29.3				
SAMPLE CO	LLECTION D	OATA					·		<u> </u>
Sample Collec	cted With:		Bailer		Pump/Pump Type	BLADDER - DED	DICATED		
Made of:		Stainless Ste	el	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proced	lure:	Alconox Wa	sh 🗖	Tap Rinse	DI Water	Dedicated	_	_	
					₩				
(Bv Numerica	l Order)	Other							
(By Numerica Sample Descr		Other	sheen etc.):	SLIGHTLY	CLOUDY, SLIG	HT BROWN TINT	PARTICLES F	LOATING NO	SHEEN, NO ODOR
		₩	r, sheen, etc.):	SLIGHTLY	CLOUDY, SLIGI	HT BROWN TINT	, PARTICLES F	LOATING, NO	SHEEN, NO ODOR
	iption (color, t	curbidity, odor	D.O.	SLIGHTLY pH	ORP	Turbidity	DTW	Ferrous iron	Comments/
Sample Descr Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)				
Sample Descr	iption (color, t	curbidity, odor	D.O.		ORP	Turbidity	DTW	Ferrous iron	Comments/
Sample Descr Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity	DTW	Ferrous iron	Comments/
Sample Descr Replicate	Temp (°F/°C)	Cond. (uS/cm) 475.3	D.O. (mg/L)	рН 6.14	ORP (mV)	Turbidity	DTW	Ferrous iron	Comments/
Sample Descr Replicate 1 2	Temp (°F/°C) 17.4	Cond. (uS/cm) 475.3	D.O. (mg/L) 1.27	pH 6.14 6.14	ORP (mV) -30.0	Turbidity	DTW	Ferrous iron	Comments/
Replicate 1 2 3 4	Temp (°F/°C) 17.4 17.4 17.5	Cond. (uS/cm) 475.3 475.9 476.3	D.O. (mg/L) 1.27 1.28 1.25	pH 6.14 6.14 6.14 6.15	ORP (mV) -30.0 -30.0 -30.2 -30.3	Turbidity (NTU)	DTW	Ferrous iron	Comments/
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.4 17.4 17.5 17.4	Cond. (uS/cm) 475.3 475.5 475.9 476.3	D.O. (mg/L) 1.27 1.28 1.25 1.25	pH 6.14 6.14 6.15 6.14	ORP (mV) -30.0 -30.0 -30.2 -30.3 -30.1	Turbidity (NTU) #DIV/0!	DTW (ft)	Ferrous iron (Fe II)	Comments/
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.4 17.4 17.4 17.5 17.4	Cond. (uS/cm) 475.3 475.5 476.3 476.3 475.8	D.O. (mg/L) 1.27 1.28 1.25 1.25 1.26	pH 6.14 6.14 6.15 6.14 CR BOTTLE	ORP (mV) -30.0 -30.0 -30.2 -30.3 -30.1 TYPE (Circle ap	Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.4 17.4 17.5 17.4 TYPICAL A (8260) (8010	Cond. (uS/cm) 475.3 475.5 475.9 476.3 475.8 NALYSIS AI 0) (8020) (N	D.O. (mg/L) 1.27 1.28 1.25 1.25 1.26 LLOWED PERWYPH-G) (6.14 6.14 6.15 6.14 ER BOTTLE	ORP (mV) -30.0 -30.2 -30.3 -30.1 TYPE (Circle approximately (BTEX)	Turbidity (NTU) #DIV/0! pplicable or write i	DTW (ft)	Ferrous iron (Fe II) nalysis below) WA	Comments/ Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.4 17.4 17.5 17.4 TYPICAL A (8260) (8010 (8270D) (PA	Cond. (uS/cm) 475.3 475.5 475.9 476.3 475.8 NALYSIS AI (WS/CM) (WS/	D.O. (mg/L) 1.27 1.28 1.25 1.25 1.26 LLOWED PENWTPH-G) (H-D) (NWTF	6.14 6.14 6.15 6.14 CR BOTTLE NWTPH-GX;	ORP (mV) -30.0 -30.2 -30.3 -30.1 TYPE (Circle ap (BTEX)) H-HCID) (8081)	#DIV/0!	DTW (ft)	Ferrous iron (Fe II) malysis below) WA WA WA	Comments/ Observations
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 17.4 17.4 17.4 17.5 17.4 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu	Cond. (uS/cm) 475.3 475.5 475.9 476.3 475.8 NALYSIS AI (D) (8020) (N AH) (NWTPI	D.O. (mg/L) 1.27 1.28 1.25 1.26 LLOWED PENWTPH-G) (M-D) (NWTF	6.14 6.14 6.15 6.14 ER BOTTLE NWTPH-Gx PH-Dx) (TPF	ORP (mV) -30.0 -30.0 -30.2 -30.3 -30.1 TYPE (Circle ap (BTEX) H-HCID) (8081) dity) (Alkalinity)	#DIV/0! #DIV/0! plicable or write in (8141) (Oil & Grid (HCO3/CO3) (Control of the control of	DTW (ft)	Ferrous iron (Fe II) malysis below) WA WA WA	Comments/ Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.4 17.4 17.5 17.4 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu	Cond. (uS/cm) 475.3 475.5 475.9 476.3 475.8 NALYSIS AI () (8020) (N CH) (NWTPI ctivity) (TD	D.O. (mg/L) 1.27 1.28 1.25 1.25 1.26 LLOWED PENWTPH-G) (NWTPH-G) (NWTP	pH 6.14 6.14 6.15 6.14 CR BOTTLE NWTPH-Gx PH-Dx) (TPF BOD) (Turbidahl Nitroger	ORP (mV) -30.0 -30.2 -30.3 -30.1 TYPE (Circle ap (BTEX)) H-HCID) (8081)	#DIV/0! #DIV/0! plicable or write in (8141) (Oil & Grid (HCO3/CO3) (Control of the control of	DTW (ft)	Ferrous iron (Fe II) malysis below) WA WA WA	Comments/ Observations OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 17.4 17.4 17.5 17.4 17.5 17.4 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Too	Cond. (uS/cm) 475.3 475.5 475.9 476.3 475.8 NALYSIS AI (0) (8020) (NAH) (NWTPI (D.O. (mg/L) 1.27 1.28 1.25 1.26 LLOWED PENWTPH-G) (M-D) (NWTF S) (TSS) (Ed. Warnide) (Free	pH 6.14 6.14 6.15 6.14 CR BOTTLE NWTPH-GX; PH-Dx) (TPF GOD) (Turbidahl Nitroger Cyanide)	ORP (mV) -30.0 -30.2 -30.3 -30.1 TYPE (Circle ap (BTEX) H-HCID) (8081) dity) (Alkalinity) (i) (NH3) (NO3/	#DIV/0! #DIV/0! pplicable or write in the interval of the in	DTW (ft) mon-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) malysis below) WA WA WA ONE W	Comments/ Observations OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 17.4 17.4 17.4 17.5 17.4 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 475.3 475.5 476.3 475.8 NALYSIS AI (WH) (NWTPI activity) (TD (C) (Total PO- (e) (WAD Cy () (As) (Sb) (D.O. (mg/L) 1.27 1.28 1.25 1.26 LLOWED PENWTPH-G) (M-D) (NWTF S) (TSS) (E) (H-D) (Total Kie yanide) (Free Ba) (Be) (Ca	pH 6.14 6.14 6.15 6.14 ER BOTTLE NWTPH-GX PH-DX) (TPH COD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -30.0 -30.2 -30.3 -30.1 TYPE (Circle apple (BTEX) H-HCID) (8081) dity) (Alkalinity) (I) (NH3) (NO3/10) (Cr) (Cu) (Fe) (#DIV/0! #DIV/0! pplicable or write in the interpretation of the	DTW (ft) non-standard a rease) CI) (SO4) (NO	Ferrous iron (Fe II) malysis below) WA WA WA OB ON	Comments/ Observations OR OR OR Graph OR Graph OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 17.4 17.4 17.4 17.5 17.4 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M	Cond. (uS/cm) 475.3 475.5 475.9 476.3 475.8 NALYSIS AI (b) (8020) (N (c) (Total PO- (c) (Total PO- (c) (AS) (Sb) (etals) (AS) (Sl)	D.O. (mg/L) 1.27 1.28 1.25 1.26 LLOWED PENWTPH-G) (M-D) (NWTF S) (TSS) (E) (H-D) (Total Kie yanide) (Free Ba) (Be) (Ca	pH 6.14 6.14 6.15 6.14 ER BOTTLE NWTPH-GX PH-DX) (TPH COD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -30.0 -30.2 -30.3 -30.1 TYPE (Circle apple (BTEX) H-HCID) (8081) dity) (Alkalinity) (I) (NH3) (NO3/10) (Cr) (Cu) (Fe) (#DIV/0! #DIV/0! pplicable or write in the interpretation of the	DTW (ft) non-standard a rease) CI) (SO4) (NO	Ferrous iron (Fe II) malysis below) WA WA WA OB ON	Comments/ Observations OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 17.4 17.4 17.4 17.5 17.4 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 475.3 475.5 475.9 476.3 475.8 NALYSIS AI () (8020) (N AH) (NWTPI () (Total PO- () (Total PO- () (As) (Sb) ((etals) (As) (Sb) ((etals) (As) (Sb) (g short list)	D.O. (mg/L) 1.27 1.28 1.25 1.25 1.26 LLOWED PENTPH-G) (H-D) (NWTF S) (TSS) (EM) (Total Kiewanide) (Free Ba) (Be) (Cab) (Ba) (Be) (Cab) (Ba) (Be) (Cab)	pH 6.14 6.14 6.15 6.14 ER BOTTLE NWTPH-GX PH-DX) (TPH COD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -30.0 -30.2 -30.3 -30.1 TYPE (Circle apple (BTEX) H-HCID) (8081) dity) (Alkalinity) (I) (NH3) (NO3/10) (Cr) (Cu) (Fe) (#DIV/0! #DIV/0! pplicable or write in the interpretation of the	DTW (ft) non-standard a rease) CI) (SO4) (NO	Ferrous iron (Fe II) malysis below) WA WA WA OB ON	Comments/ Observations OR OR OR Graph OR Graph OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 17.4 17.4 17.4 17.5 17.4 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 475.3 475.5 475.9 476.3 475.8 NALYSIS AI (b) (8020) (N (c) (Total PO- (c) (Total PO- (c) (AS) (Sb) (etals) (AS) (Sl)	D.O. (mg/L) 1.27 1.28 1.25 1.25 1.26 LLOWED PENTPH-G) (H-D) (NWTF S) (TSS) (EM) (Total Kiewanide) (Free Ba) (Be) (Cab) (Ba) (Be) (Cab) (Ba) (Be) (Cab)	pH 6.14 6.14 6.15 6.14 ER BOTTLE NWTPH-GX PH-DX) (TPH COD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -30.0 -30.2 -30.3 -30.1 TYPE (Circle apple (BTEX) H-HCID) (8081) dity) (Alkalinity) (I) (NH3) (NO3/10) (Cr) (Cu) (Fe) (#DIV/0! #DIV/0! pplicable or write in the interpretation of the	DTW (ft) non-standard a rease) CI) (SO4) (NO	Ferrous iron (Fe II) malysis below) WA WA WA OB ON	Comments/ Observations OR OR OR Graph OR Graph OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 17.4 17.4 17.5 17.4 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 475.3 475.5 475.9 476.3 475.8 NALYSIS AI () (8020) (N AH) (NWTPI () (Total PO- () (Total PO- () (As) (Sb) ((etals) (As) (Sb) ((etals) (As) (Sb) (g short list)	D.O. (mg/L) 1.27 1.28 1.25 1.25 1.26 LLOWED PENTPH-G) (H-D) (NWTF S) (TSS) (EM) (Total Kiewanide) (Free Ba) (Be) (Cab) (Ba) (Be) (Cab) (Ba) (Be) (Cab)	pH 6.14 6.14 6.15 6.14 ER BOTTLE NWTPH-GX PH-DX) (TPH COD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -30.0 -30.2 -30.3 -30.1 TYPE (Circle apple (BTEX) H-HCID) (8081) dity) (Alkalinity) (I) (NH3) (NO3/10) (Cr) (Cu) (Fe) (#DIV/0! #DIV/0! pplicable or write in the interpretation of the	DTW (ft) non-standard a rease) CI) (SO4) (NO	Ferrous iron (Fe II) malysis below) WA WA WA OB ON	Comments/ Observations OR OR OR Graph OR Graph OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 17.4 17.4 17.4 17.5 17.4 TYPICAL A (8260) (8010 (8270D) (PA (COD) (Total Cyanid (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 475.3 475.5 475.9 476.3 475.8 NALYSIS AI () (8020) (N AH) (NWTPI () (Total PO- () (Total PO- () (As) (Sb) ((etals) (As) (Sb) ((etals) (As) (Sb) ((etals) (As) (Sl)	D.O. (mg/L) 1.27 1.28 1.25 1.25 1.26 LLOWED PENTPH-G) (H-D) (NWTF S) (TSS) (EM) (Total Kiewanide) (Free Ba) (Be) (Cab) (Ba) (Be) (Cab) (Ba) (Be) (Cab)	pH 6.14 6.14 6.15 6.14 ER BOTTLE NWTPH-GX PH-DX) (TPH COD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -30.0 -30.2 -30.3 -30.1 TYPE (Circle apple (BTEX) H-HCID) (8081) dity) (Alkalinity) (I) (NH3) (NO3/10) (Cr) (Cu) (Fe) (#DIV/0! #DIV/0! pplicable or write in the interpretation of the	DTW (ft) non-standard a rease) CI) (SO4) (NO	Ferrous iron (Fe II) malysis below) WA WA WA OB ON	Comments/ Observations OR OR OR Graph OR Graph OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 17.4 17.4 17.5 17.4 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 475.3 475.5 475.9 476.3 475.8 NALYSIS AI () (8020) (N AH) (NWTPI () (Total PO- () (Total PO- () (As) (Sb) ((etals) (As) (Sb) ((etals) (As) (Sb) ((etals) (As) (Sl)	D.O. (mg/L) 1.27 1.28 1.25 1.25 1.26 LLOWED PENTPH-G) (H-D) (NWTF S) (TSS) (EM) (Total Kiewanide) (Free Ba) (Be) (Cab) (Ba) (Be) (Cab) (Ba) (Be) (Cab)	pH 6.14 6.14 6.15 6.14 ER BOTTLE NWTPH-GX PH-DX) (TPH COD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -30.0 -30.2 -30.3 -30.1 TYPE (Circle apple (BTEX) H-HCID) (8081) dity) (Alkalinity) (I) (NH3) (NO3/10) (Cr) (Cu) (Fe) (#DIV/0! #DIV/0! pplicable or write in the interpretation of the	DTW (ft) non-standard a rease) CI) (SO4) (NO	Ferrous iron (Fe II) malysis below) WA WA WA OB ON	Comments/ Observations OR OR OR Graph OR Graph OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 17.4 17.4 17.5 17.4 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 475.3 475.5 475.9 476.3 475.8 NALYSIS AI () (8020) (N AH) (NWTPI () (Total PO- () (Total PO- () (As) (Sb) ((etals) (As) (Sb) ((etals) (As) (Sb) ((etals) (As) (Sl)	D.O. (mg/L) 1.27 1.28 1.25 1.25 1.26 LLOWED PENTPH-G) (H-D) (NWTF S) (TSS) (EM) (Total Kiewanide) (Free Ba) (Be) (Cab) (Ba) (Be) (Cab) (Ba) (Be) (Cab)	pH 6.14 6.14 6.15 6.14 ER BOTTLE NWTPH-GX PH-DX) (TPH COD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -30.0 -30.2 -30.3 -30.1 TYPE (Circle apple (BTEX) H-HCID) (8081) dity) (Alkalinity) (I) (NH3) (NO3/10) (Cr) (Cu) (Fe) (#DIV/0! #DIV/0! pplicable or write in the interpretation of the	DTW (ft) non-standard a rease) CI) (SO4) (NO	Ferrous iron (Fe II) malysis below) WA WA WA OB ON	Comments/ Observations OR OR OR Graph OR Graph OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 17.4 17.4 17.5 17.4 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 475.3 475.5 475.9 476.3 475.8 NALYSIS AI () (8020) (N AH) (NWTPI () (Total PO- () (Total PO- () (As) (Sb) ((etals) (As) (Sb) ((etals) (As) (Sb) ((etals) (As) (Sl)	D.O. (mg/L) 1.27 1.28 1.25 1.25 1.26 LLOWED PENTPH-G) (H-D) (NWTF S) (TSS) (EM) (Total Kiewanide) (Free Ba) (Be) (Cab) (Ba) (Be) (Cab) (Ba) (Be) (Cab)	pH 6.14 6.14 6.15 6.14 ER BOTTLE NWTPH-GX PH-DX) (TPH COD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -30.0 -30.2 -30.3 -30.1 TYPE (Circle apple (BTEX) H-HCID) (8081) dity) (Alkalinity) (I) (NH3) (NO3/10) (Cr) (Cu) (Fe) (#DIV/0! #DIV/0! pplicable or write in the interpretation of the	DTW (ft) non-standard a rease) CI) (SO4) (NO	Ferrous iron (Fe II) malysis below) WA WA WA OB ON	Comments/ Observations OR OR OR Graph OR Graph OR OR OR OR OR OR OR OR OR OR



Project Nam	e:	Boeing Ren	ton		Project Number	::	0025217.099.0	99	
Event:		May-20		_	Date/Time:	05/ 12 /2020@	1220		
Sample Num	nber:	10-71-MW	1200512		Weather:	OVERCAST, R.	AIN, 60S		
Landau Repi	resentative:	BXM			-		·		
WATED LEV	EL/WELL/PU	IDCE DATA							
WATER LEV		Secure (YES)	Damaged (N	·(O)	Describe	Flush Mount		
		`					riusii Moulit		CI ODE 2
DTW Before	0 0 . ,	8.24	Time:		Flow through cel			GW Meter No.(
Begin Purge:		05/ 12 /202		End Purge:		05/ 12/2020@		Gallons Purged:	
Purge water d	isposed to:		55-gal Drum		Storage Tank	Ground	Other	SITE TREATM	ENT SYSTEM
Time	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity (NTU)	DTW (ft)	Internal Purge Volume (gal)	Comments/ Observations
						lings within the fo		>/= 1 flow	
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
1156	15.9	176.0	0.74	6.05	17.3		8.23		
1159	16.6	180.3	0.74	6.08	10.3		8.23		
1202	17.1	187.2	0.78	6.11	5.8		8.23		
1205	17.6	192.2	0.76	6.13	3.4				
1208	17.8	193.7	0.84	6.13	2.8				
1211	18.2	197.0	0.74	6.14	1.7				
SAMPLE CO	LLECTION D	DATA							
Sample Collec			Bailer		Pump/Pump Type	BLADDER DED	ICATED		
Made of:		Stainless Ste		PVC	Teflon	Polyethylene	Other	Dedicated	
			_			Dedicated	- June	Dedicated	
Decon Proced	_	Alconox Wa	sh 🔲	Tap Rinse	DI Water	Dedicated			
(By Numerica									
, -		Other	1 ()	COLODIES		OUDY COME I	ICHT EDIEC M	o gueen no o	DOD
, -		_	, sheen, etc.):	COLORLES	S, SLIGHTLY CI	LOUDY, SOME L	IGHT FINES, N	O SHEEN, NO O	DOR
•		_	D.O. (mg/L)	COLORLES	ORP (mV)	LOUDY, SOME L Turbidity (NTU)	DTW (ft)	O SHEEN, NO O Ferrous iron (Fe II)	Comments/ Observations
Sample Descr	iption (color, t	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP	Turbidity	DTW	Ferrous iron	Comments/
Sample Descr Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	рН 6.14	ORP (mV)	Turbidity	DTW	Ferrous iron	Comments/
Replicate 1 2	Temp (°F/°C) 18.3	Cond. (uS/cm) 197.8	D.O. (mg/L) 0.72	pH 6.14 6.14	ORP (mV)	Turbidity	DTW	Ferrous iron	Comments/
Sample Descr Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	рН 6.14	ORP (mV) 1.4 1.1	Turbidity	DTW	Ferrous iron	Comments/
Replicate 1 2	Temp (°F/°C) 18.3	Cond. (uS/cm) 197.8	D.O. (mg/L) 0.72	pH 6.14 6.14	ORP (mV)	Turbidity	DTW	Ferrous iron	Comments/
Replicate 1 2 3	Temp (°F/°C) 18.3 18.3	Cond. (uS/cm) 197.8 198.1	D.O. (mg/L) 0.72 0.71	pH 6.14 6.14 6.14	ORP (mV) 1.4 1.1	Turbidity	DTW	Ferrous iron	Comments/
Replicate 1 2 3 4 Average:	Temp (°F/°C) 18.3 18.3 18.3 18.3	Cond. (uS/cm) 197.8 198.1 198.9 198.8 198.4	D.O. (mg/L) 0.72 0.71 0.79 0.79 0.75	pH 6.14 6.14 6.14 6.14 6.14	ORP (mV) 1.4 1.1 1.0 0.9 1.1	Turbidity (NTU) #DIV/0!	DTW (ft)	Ferrous iron (Fe II)	Comments/
Replicate 1 2 3 4 Average:	Temp (°F/°C) 18.3 18.3 18.3 18.3 TYPICAL A	Cond. (uS/cm) 197.8 198.1 198.9 198.8 198.4	D.O. (mg/L) 0.72 0.71 0.79 0.79 0.75 LLOWED PE	pH 6.14 6.14 6.14 6.14 6.14 6.14	ORP (mV) 1.4 1.1 1.0 0.9 1.1 TYPE (Circle ap	Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 18.3 18.3 18.3 18.3 18.3 18.3 (8260) (8010	Cond. (uS/cm) 197.8 198.1 198.9 198.8 198.4 NALYSIS AI (0) (8020) (N	D.O. (mg/L) 0.72 0.71 0.79 0.75 LLOWED PE	6.14 6.14 6.14 6.14 6.14 CR BOTTLE	ORP (mV) 1.4 1.1 1.0 0.9 1.1 TYPE (Circle apple) (BTEX)	Turbidity (NTU) #DIV/0!	DTW (ft)	Ferrous iron (Fe II) nalysis below) WA	Comments/ Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 18.3 18.3 18.3 18.3 18.3 18.3 (8260) (8010 (8270D) (PA	Cond. (uS/cm) 197.8 198.1 198.9 198.8 198.4 NALYSIS AI O) (8020) (NAH) (NWTPH	D.O. (mg/L) 0.72 0.71 0.79 0.79 0.75 LLOWED PF WTPH-G) (NWTF	6.14 6.14 6.14 6.14 6.14 6.14 ER BOTTLE NWTPH-GX;	ORP (mV) 1.4 1.1 1.0 0.9 1.1 TYPE (Circle ap) (BTEX) H-HCID) (8081)	#DIV/0!	DTW (ft)	Ferrous iron (Fe II) malysis below) WA WA WA	Comments/ Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 18.3 18.3 18.3 18.3 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu	Cond. (uS/cm) 197.8 198.1 198.9 198.8 198.4 NALYSIS AI (NWTPHactivity) (TD:	D.O. (mg/L) 0.72 0.71 0.79 0.75 LLOWED PERWYPH-G) (WYTPH-G) (NWTPH-G) (6.14 6.14 6.14 6.14 6.14 6.14 6.17 ER BOTTLE (NWTPH-Gx) PH-Dx) (TPH BOD) (Turbic	ORP (mV) 1.4 1.1 1.0 0.9 1.1 TYPE (Circle ap) (BTEX) H-HCID) (8081)	#DIV/0! #DIV/0! plicable or write (8141) (Oil & G (HCO3/CO3) (6	DTW (ft)	Ferrous iron (Fe II) malysis below) WA WA WA	Comments/ Observations OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 18.3 18.3 18.3 18.3 18.3 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu	Cond. (uS/cm) 197.8 198.1 198.9 198.8 198.4 NALYSIS AI (NWTPHactivity) (TD:	D.O. (mg/L) 0.72 0.71 0.79 0.79 0.75 LLOWED PERMYTPH-G) (M-LD) (NWTF	pH 6.14 6.14 6.14 6.14 6.14 CR BOTTLE (NWTPH-Gx) PH-Dx) (TPF BOD) (Turbiodahl Nitroger	ORP (mV) 1.4 1.1 1.0 0.9 1.1 TYPE (Circle ap (BTEX)) H-HCID) (8081) dity) (Alkalinity)	#DIV/0! #DIV/0! plicable or write (8141) (Oil & G (HCO3/CO3) (6	DTW (ft)	Ferrous iron (Fe II) malysis below) WA WA WA	Comments/ Observations OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 18.3 18.3 18.3 18.3 18.3 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Tool (Total Cyanid	Cond. (uS/cm) 197.8 198.1 198.9 198.8 198.4 NALYSIS AI (b) (8020) (N AH) (NWTPH (ctivity) (TD) (C) (Total PO-	D.O. (mg/L) 0.72 0.71 0.79 0.79 0.75 LLOWED PERMYPH-G) (M-D) (NWTPH-G) (M-D) (NWTPH-G) (M-D) (Total Kiewanide) (Freezanide) (Freezanide) (Freezanide) (Freezanide)	pH 6.14 6.14 6.14 6.14 6.14 CR BOTTLE NWTPH-Gx PH-Dx) (TPF BOD) (Turbiodahl Nitroger Cyanide)	ORP (mV) 1.4 1.0 0.9 1.1 TYPE (Circle ap (BTEX)) H-HCID) (8081) dity) (Alkalinity) n) (NH3) (NO3/	#DIV/0! #DIV/0! plicable or write (8141) (Oil & G (HCO3/CO3) (6	DTW (ft) non-standard and rease) CI) (SO4) (NCC)	Ferrous iron (Fe II) malysis below) WA WA WA O WA WA	Comments/ Observations OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 18.3 18.3 18.3 18.3 18.3 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 197.8 198.1 198.9 198.8 198.4 NALYSIS AI O) (8020) (NAH) (NWTPH (NOTPH (D.O. (mg/L) 0.72 0.71 0.79 0.79 0.75 LLOWED PF WTPH-G) (NWTP S) (TSS) (B 4) (Total Kie ranide) (Free Ba) (Be) (Ca	pH 6.14 6.14 6.14 6.14 6.14 ER BOTTLE (NWTPH-GX) (PH-DX) (TPH (DD) (Turbic dahl Nitroger (Cyanide) (Cyanide) (C) (Co)	ORP (mV) 1.4 1.0 0.9 1.1 TYPE (Circle ap () (BTEX) H-HCID) (8081) dity) (Alkalinity) dity) (NH3) (NO3/	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G (HCO3/CO3) (6) NO2)	DTW (ft) non-standard and rease) CI) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Comments/ Observations OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 18.3 18.3 18.3 18.3 18.3 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 197.8 198.1 198.9 198.8 198.4 NALYSIS AI (NWTPHetivity) (TD) (C) (Total PO- (le) (WAD Cy () (As) (Sb) (etals) (As) (Sb) (start)	D.O. (mg/L) 0.72 0.71 0.79 0.79 0.75 LLOWED PF WTPH-G) (NWTP S) (TSS) (B 4) (Total Kie ranide) (Free Ba) (Be) (Ca	pH 6.14 6.14 6.14 6.14 6.14 ER BOTTLE (NWTPH-GX) (PH-DX) (TPH (DD) (Turbic dahl Nitroger (Cyanide) (Cyanide) (C) (Co)	ORP (mV) 1.4 1.0 0.9 1.1 TYPE (Circle ap () (BTEX) H-HCID) (8081) dity) (Alkalinity) dity) (NH3) (NO3/	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G (HCO3/CO3) (6) NO2)	DTW (ft) non-standard and rease) CI) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Comments/ Observations OR □ OR □ OR □ g) (K) (Na)
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 18.3 18.3 18.3 18.3 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 197.8 198.1 198.9 198.8 198.4 NALYSIS AI (NWTPHetivity) (TD) (C) (Total PO- (le) (WAD Cy () (As) (Sb) (etals) (As) (Sb) (start)	D.O. (mg/L) 0.72 0.71 0.79 0.79 0.75 LLOWED PERWITH-G) (M-L) (NWTERS) (TSS) (EM-L) (Total Kiewanide) (Free Ba) (Be) (Canada (Can	pH 6.14 6.14 6.14 6.14 6.14 ER BOTTLE (NWTPH-GX) (PH-DX) (TPH (DD) (Turbic dahl Nitroger (Cyanide) (Cyanide) (C) (Co)	ORP (mV) 1.4 1.0 0.9 1.1 TYPE (Circle ap () (BTEX) H-HCID) (8081) dity) (Alkalinity) dity) (NH3) (NO3/	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G (HCO3/CO3) (6) NO2)	DTW (ft) non-standard and rease) CI) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Comments/ Observations OR □ OR □ OR □ g) (K) (Na)
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 18.3 18.3 18.3 18.3 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 197.8 198.1 198.9 198.8 198.4 NALYSIS AI (MYPHactivity) (TD: (Total POde) (WAD Cy) (AS) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.72 0.71 0.79 0.79 0.75 LLOWED PERWITH-G) (M-L) (NWTERS) (TSS) (EM-L) (Total Kiewanide) (Free Ba) (Be) (Canada (Can	pH 6.14 6.14 6.14 6.14 6.14 ER BOTTLE (NWTPH-GX) (PH-DX) (TPH (DD) (Turbic dahl Nitroger (Cyanide) (Cyanide) (C) (Co)	ORP (mV) 1.4 1.0 0.9 1.1 TYPE (Circle ap () (BTEX) H-HCID) (8081) dity) (Alkalinity) dity) (NH3) (NO3/	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G (HCO3/CO3) (6) NO2)	DTW (ft) non-standard and rease) CI) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Comments/ Observations OR □ OR □ OR □ g) (K) (Na)
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 18.3 18.3 18.3 18.3 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 197.8 198.1 198.9 198.8 198.4 NALYSIS AI (MYPHactivity) (TD: (Total POde) (WAD Cy) (AS) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.72 0.71 0.79 0.79 0.75 LLOWED PERWITH-G) (M-L) (NWTERS) (TSS) (EM-L) (Total Kiewanide) (Free Ba) (Be) (Canada (Can	pH 6.14 6.14 6.14 6.14 6.14 ER BOTTLE (NWTPH-GX) (PH-DX) (TPH (DD) (Turbic dahl Nitroger (Cyanide) (Cyanide) (C) (Co)	ORP (mV) 1.4 1.0 0.9 1.1 TYPE (Circle ap () (BTEX) H-HCID) (8081) dity) (Alkalinity) dity) (NH3) (NO3/	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G (HCO3/CO3) (6) NO2)	DTW (ft) non-standard and rease) CI) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Comments/ Observations OR □ OR □ OR □ g) (K) (Na)
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 18.3 18.3 18.3 18.3 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 197.8 198.1 198.9 198.8 198.4 NALYSIS AI (MYPHactivity) (TD: (Total POde) (WAD Cy) (AS) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.72 0.71 0.79 0.79 0.75 LLOWED PERWITH-G) (M-L) (NWTERS) (TSS) (EM-L) (Total Kiewanide) (Free Ba) (Be) (Canada (Can	pH 6.14 6.14 6.14 6.14 6.14 ER BOTTLE (NWTPH-GX) (PH-DX) (TPH (DD) (Turbic dahl Nitroger (Cyanide) (Cyanide) (C) (Co)	ORP (mV) 1.4 1.0 0.9 1.1 TYPE (Circle ap () (BTEX) H-HCID) (8081) dity) (Alkalinity) dity) (NH3) (NO3/	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G (HCO3/CO3) (6) NO2)	DTW (ft) non-standard and rease) CI) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Comments/ Observations OR □ OR □ OR □ g) (K) (Na)
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 18.3 18.3 18.3 18.3 18.3 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 197.8 198.1 198.9 198.8 198.4 NALYSIS AI (MYPHactivity) (TD: (Total POde) (WAD Cy) (AS) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.72 0.71 0.79 0.79 0.75 LLOWED PERWITH-G) (M-L) (NWTERS) (TSS) (EM-L) (Total Kiewanide) (Free Ba) (Be) (Canada (Can	pH 6.14 6.14 6.14 6.14 6.14 ER BOTTLE (NWTPH-GX) (PH-DX) (TPH (DD) (Turbic dahl Nitroger (Cyanide) (Cyanide) (C) (Co)	ORP (mV) 1.4 1.0 0.9 1.1 TYPE (Circle ap () (BTEX) H-HCID) (8081) dity) (Alkalinity) dity) (NH3) (NO3/	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G (HCO3/CO3) (6) NO2)	DTW (ft) non-standard and rease) CI) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Comments/ Observations OR □ OR □ OR □ g) (K) (Na)
Replicate 1 2 3 4 Average: QUANTITY 3 Duplicate San	Temp (°F/°C) 18.3 18.3 18.3 18.3 18.3 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 197.8 198.1 198.9 198.8 198.4 NALYSIS AI (MYPHactivity) (TD: (Total POde) (WAD Cy) (AS) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.72 0.71 0.79 0.79 0.75 LLOWED PERWITH-G) (M-L) (NWTERS) (TSS) (EM-L) (Total Kiewanide) (Free Ba) (Be) (Canada (Can	pH 6.14 6.14 6.14 6.14 6.14 ER BOTTLE (NWTPH-GX) (PH-DX) (TPH (DD) (Turbic dahl Nitroger (Cyanide) (Cyanide) (C) (Co)	ORP (mV) 1.4 1.0 0.9 1.1 TYPE (Circle ap () (BTEX) H-HCID) (8081) dity) (Alkalinity) dity) (NH3) (NO3/	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G (HCO3/CO3) (6) NO2)	DTW (ft) non-standard and rease) CI) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Comments/ Observations OR □ OR □ OR □ g) (K) (Na)
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 18.3 18.3 18.3 18.3 18.3 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 197.8 198.1 198.9 198.8 198.4 NALYSIS AI (MYPHactivity) (TD: (Total POde) (WAD Cy) (AS) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 0.72 0.71 0.79 0.79 0.75 LLOWED PERWITH-G) (M-L) (NWTERS) (TSS) (EM-L) (Total Kiewanide) (Free Ba) (Be) (Canada (Can	pH 6.14 6.14 6.14 6.14 6.14 ER BOTTLE (NWTPH-GX) (PH-DX) (TPH (DD) (Turbic dahl Nitroger (Cyanide) (Cyanide) (C) (Co)	ORP (mV) 1.4 1.0 0.9 1.1 TYPE (Circle ap () (BTEX) H-HCID) (8081) dity) (Alkalinity) dity) (NH3) (NO3/	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G (HCO3/CO3) (6) NO2)	DTW (ft) non-standard and rease) CI) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O O O O O O O O O O O O O O O O O O O	Comments/ Observations OR □ OR □ OR □ g) (K) (Na)



Project Name	e <u>:</u>	Boeing Ren	iton		Project Number	r:	0025217.099.0	99	
Event:		May-20		_	Date/Time:	05/ 12 /2020@	1135		
Sample Num	ıber:	10-71-MW	22005		Weather:	OVERCAST, SO	OME RAIN, 60)S	
Landau Repr	esentative:	BXM			·-				
WATER LEV	EI /WEI I /DI	IDCE DATA							
WATER LEV		Secure (YES)	Damaged (N	(O)	Dagarihar	Flush Mount		
		`					riush Mount		~ ~ ~ ~ ~ ~
DTW Before	0 0 0	8.47	Time:		Flow through cel			GW Meter No.(
Begin Purge:	Date/Time:	05/ 12 /202		End Purge:	Date/Time:	05/12 /2020 @ 1		Gallons Purged:	
Purge water di	isposed to:		55-gal Drum		Storage Tank	Ground	Other	SITE TREATM	ENT SYSTEM
	Temp	Cond.	D.O.	pН	ORP	Turbidity	DTW	Internal Purge	Comments/
Time	(°F/°C)	(uS/cm)	(mg/L)		(mV)	(NTU)	(ft)	Volume (gal)	Observations
	Purge Goal	ls: Stablizatio +/- 3%		ters for three +/- 0.1 units	+/- 10 mV	lings within the fo +/- 10%	llowing limits < 0.3 ft	>/= 1 flow	
						T/- 10 /6		through cell	
1111	16.6	169.6	2.24	6.17	22.1		8.46		
1114	17.2	174.1	1.99	6.15	17.0		8.47		
1117	17.8	185.4	1.71	6.15	9.9		8.47		
1120	17.9	188.6	1.46	6.16	8.1				
							-		
1123	17.8	194.7	1.37	6.16	6.1		-		
1126	17.8	200.6	1.29	6.17	5.1				
1129	17.6	204.5	1.04	6.18	1.9				
SAMPLE CO	LLECTION D	OATA							
Sample Collec	cted With:		Bailer		Pump/Pump Type	BLADDER DEDI	CATED		
Made of:		Stainless Ste	el 🔲	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proced	ure:	Alconox Wa	sh 🗖	Tap Rinse	DI Water	Dedicated		_	
(By Numerical		_	···	rup remoc	□ Di Water	Dedicated			
	l ()rder)	□ Other							
		Other	sheen etc.):	CLEAR CO	LORLESS NOS	HEEN NO ODOR	SOME DARK	FINES	
		-	r, sheen, etc.):	CLEAR, CO	LORLESS, NO S	HEEN, NO ODOR	., SOME DARK	FINES	
	iption (color, t	curbidity, odor	D.O.	CLEAR, CO	ORP	Turbidity	DTW	Ferrous iron	Comments/
Sample Descr	iption (color, t	turbidity, odor	· · · /_						Comments/ Observations
Sample Descr	iption (color, t	curbidity, odor	D.O.		ORP	Turbidity	DTW	Ferrous iron	
Sample Descri Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity	DTW	Ferrous iron	
Sample Description Replicate 1 2	Temp (°F/°C) 17.6	Cond. (uS/cm) 204.9	D.O. (mg/L) 1.05	pH 6.18 6.18	ORP (mV)	Turbidity	DTW	Ferrous iron	
Replicate 1 2 3	Temp (°F/°C) 17.6 17.6	Cond. (uS/cm) 204.9 205.0	D.O. (mg/L) 1.05 1.07	pH 6.18 6.18 6.18	ORP (mV) 1.8 1.5	Turbidity	DTW	Ferrous iron	
Replicate 1 2 3 4	Temp (°F/°C) 17.6 17.6 17.6	Cond. (uS/cm) 204.9 205.0 205.2	D.O. (mg/L) 1.05 1.07 1.03	pH 6.18 6.18 6.18 6.18	ORP (mV) 1.8 1.5 1.1 1.6	Turbidity (NTU)	DTW	Ferrous iron	
Replicate 1 2 3	Temp (°F/°C) 17.6 17.6	Cond. (uS/cm) 204.9 205.0	D.O. (mg/L) 1.05 1.07	pH 6.18 6.18 6.18	ORP (mV) 1.8 1.5	Turbidity	DTW	Ferrous iron	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.6 17.6 17.6 17.6 17.6	Cond. (uS/cm) 204.9 205.0 205.2 205.4 205.1	D.O. (mg/L) 1.05 1.07 1.03 1.01	pH 6.18 6.18 6.18 6.18 6.18	ORP (mV) 1.8 1.5 1.1 1.6 1.5	Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.6 17.6 17.6 17.6 17.6	Cond. (uS/cm) 204.9 205.0 205.2 205.4 205.1	D.O. (mg/L) 1.05 1.07 1.03 1.01 1.04	6.18 6.18 6.18 6.18 6.18 6.18	ORP (mV) 1.8 1.5 1.1 1.6 1.5 TYPE (Circle ap	Turbidity (NTU) #DIV/0!	DTW (ft)	Ferrous iron (Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.6 17.6 17.6 17.6 17.6 17.6 (8260) (8010	Cond. (uS/cm) 204.9 205.0 205.2 205.1 NALYSIS AI)) (8020) (N	D.O. (mg/L) 1.05 1.07 1.03 1.01 1.04 LLOWED PERWYPH-G) (6.18 6.18 6.18 6.18 6.18 CR BOTTLE NWTPH-GX	ORP (mV) 1.8 1.5 1.1 1.6 1.5 TYPE (Circle aport) (BTEX)	Turbidity (NTU) #DIV/0!	DTW (ft)	Ferrous iron (Fe II)	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.6 17.6 17.6 17.6 17.6 17.6 (8260) (8010 (8270D) (PA	Cond. (uS/cm) 204.9 205.0 205.2 205.4 205.1 NALYSIS AI NALYSIS (NWTPI	D.O. (mg/L) 1.05 1.07 1.03 1.01 1.04 LLOWED PENWTPH-G) (H-D) (NWTF	6.18 6.18 6.18 6.18 6.18 6.18 CR BOTTLE NWTPH-Gx PH-Dx) (TPI	ORP (mV) 1.8 1.5 1.1 1.6 1.5 TYPE (Circle aport (BTEX)) H-HCID) (8081)	Turbidity (NTU) #DIV/0!	DTW (ft)	Ferrous iron (Fe II) malysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.6 17.6 17.6 17.6 17.6 17.6 17.6 (8260) (8010) (8270D) (PA) (pH) (Condu	Cond. (uS/cm) 204.9 205.0 205.2 205.4 205.1 NALYSIS AI (b) (8020) (N AH) (NWTPI citivity) (TD	D.O. (mg/L) 1.05 1.07 1.03 1.01 1.04 LLOWED PENWTPH-G) (M-D) (NWTPH-G) (NWTPH-G) (NWTPH-G) (M-D) (M-D) (NWTPH-G) (M-D) (M-	6.18 6.18 6.18 6.18 6.18 6.18 CR BOTTLE NWTPH-Gx PH-Dx) (TPF	ORP (mV) 1.8 1.5 1.1 1.6 1.5 TYPE (Circle aport (BTEX)) H-HCID) (8081)	#DIV/0! #DIV/0! pplicable or write to the second	DTW (ft)	Ferrous iron (Fe II) malysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 17.6 17.6 17.6 17.6 17.6 17.6 17.6 (8260) (8010 (8270D) (PA(pH) (Conduction) (TOO	Cond. (uS/cm) 204.9 205.0 205.2 205.4 205.1 NALYSIS AI () (8020) (N CH) (NWTPI cetivity) (TD	D.O. (mg/L) 1.05 1.07 1.03 1.01 1.04 LLOWED PENWTPH-G) (M-D) (NWTPH-G) (NWTPH-G) (NWTPH-G) (M-D) (M-D) (NWTPH-G) (M-D) (M-	6.18 6.18 6.18 6.18 6.18 CR BOTTLE NWTPH-Gx PH-Dx) (TPF BOD) (Turbidahl Nitroger	ORP (mV) 1.8 1.5 1.1 1.6 1.5 TYPE (Circle ap (BTEX)) H-HCID) (8081) dity) (Alkalinity)	#DIV/0! #DIV/0! pplicable or write to the second	DTW (ft)	Ferrous iron (Fe II) malysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 17.6 17.6 17.6 17.6 17.6 17.6 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (TOC (Total Cyanid	Cond. (uS/cm) 204.9 205.0 205.2 205.4 205.1 NALYSIS AI (NWTPI (Ictivity) (TD (C) (Total PO-	D.O. (mg/L) 1.05 1.07 1.03 1.01 1.04 LLOWED PENWTPH-G) (H-D) (NWTF	6.18 6.18 6.18 6.18 6.18 CR BOTTLE NWTPH-Gx; PH-Dx) (TPF GOD) (Turbidahl Nitroger Cyanide)	ORP (mV) 1.8 1.5 1.1 1.6 1.5 TYPE (Circle ap (BTEX)) H-HCID) (8081) dity) (Alkalinity) (i) (NH3) (NO3/	#DIV/0! #DIV/0! pplicable or write to the second	DTW (ft) mon-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) malysis below) WA WA WA O WA WA	Observations OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 17.6 17.6 17.6 17.6 17.6 17.6 17.6 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M.	Cond. (uS/cm) 204.9 205.0 205.2 205.4 205.1 NALYSIS AI O) (8020) (N AH) (NWTPI lectivity) (TD C) (Total PO- le) (WAD Cy o) (As) (Sb) (etals) (As) (Sl)	D.O. (mg/L) 1.05 1.07 1.03 1.01 1.04 LLOWED PE WYPH-G) (M-D) (NWTF S) (TSS) (B 4) (Total Kie vanide) (Free Ba) (Be) (Ca	pH 6.18 6.18 6.18 6.18 6.18 CR BOTTLE NWTPH-GX PH-DX) (TPH COD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 1.8 1.5 1.1 1.6 1.5 TYPE (Circle aportion (BTEX) H-HCID) (8081) dity) (Alkalinity) (I) (NH3) (NO3/10) (Cr) (Cu) (Fe) (I)	#DIV/0! #DIV/0! pplicable or write in the interest of the in	DTW (ft) non-standard a rease) CI) (SO4) (NC	Ferrous iron (Fe II) malysis below) WA WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 17.6 17.6 17.6 17.6 17.6 17.6 17.6 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M VOC (Boein	Cond. (uS/cm) 204.9 205.0 205.2 205.1 NALYSIS AI O) (8020) (N H) (NWTPI citivity) (TD C) (Total PO- le) (WAD Cy o) (As) (Sb) (etals) (As) (Sb) g short list)	D.O. (mg/L) 1.05 1.07 1.03 1.01 1.04 LLOWED PENWTPH-G) (H-D) (NWTPH-G) (H-D) (pH 6.18 6.18 6.18 6.18 6.18 CR BOTTLE NWTPH-GX PH-DX) (TPH COD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 1.8 1.5 1.1 1.6 1.5 TYPE (Circle aportion (BTEX) H-HCID) (8081) dity) (Alkalinity) (I) (NH3) (NO3/10) (Cr) (Cu) (Fe) (I)	#DIV/0! #DIV/0! pplicable or write in the interest of the in	DTW (ft) non-standard a rease) CI) (SO4) (NC	Ferrous iron (Fe II) malysis below) WA WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 17.6 17.6 17.6 17.6 17.6 17.6 17.6 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M VOC (Boein	Cond. (uS/cm) 204.9 205.0 205.2 205.4 205.1 NALYSIS AI O) (8020) (N AH) (NWTPI lectivity) (TD C) (Total PO- le) (WAD Cy o) (As) (Sb) (etals) (As) (Sl)	D.O. (mg/L) 1.05 1.07 1.03 1.01 1.04 LLOWED PENWTPH-G) (H-D) (NWTPH-G) (H-D) (pH 6.18 6.18 6.18 6.18 6.18 CR BOTTLE NWTPH-GX PH-DX) (TPH COD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 1.8 1.5 1.1 1.6 1.5 TYPE (Circle aportion (BTEX) H-HCID) (8081) dity) (Alkalinity) (I) (NH3) (NO3/10) (Cr) (Cu) (Fe) (I)	#DIV/0! #DIV/0! pplicable or write in the interest of the in	DTW (ft) non-standard a rease) CI) (SO4) (NC	Ferrous iron (Fe II) malysis below) WA WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 17.6 17.6 17.6 17.6 17.6 17.6 17.6 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M VOC (Boein	Cond. (uS/cm) 204.9 205.0 205.2 205.1 NALYSIS AI O) (8020) (N H) (NWTPI citivity) (TD C) (Total PO- le) (WAD Cy o) (As) (Sb) (etals) (As) (Sb) g short list)	D.O. (mg/L) 1.05 1.07 1.03 1.01 1.04 LLOWED PENWTPH-G) (H-D) (NWTPH-G) (H-D) (pH 6.18 6.18 6.18 6.18 6.18 CR BOTTLE NWTPH-GX PH-DX) (TPH COD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 1.8 1.5 1.1 1.6 1.5 TYPE (Circle aportion (BTEX) H-HCID) (8081) dity) (Alkalinity) (I) (NH3) (NO3/10) (Cr) (Cu) (Fe) (I)	#DIV/0! #DIV/0! pplicable or write in the interest of the in	DTW (ft) non-standard a rease) CI) (SO4) (NC	Ferrous iron (Fe II) malysis below) WA WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 17.6 17.6 17.6 17.6 17.6 17.6 17.6 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M. VOC (Boein Methane Eth	Cond. (uS/cm) 204.9 205.0 205.2 205.1 NALYSIS AI (NWTPI citivity) (TD (Total PO- le) (WAD Cy (AS) (Sb) (etals) (As) (Sl g short list)	D.O. (mg/L) 1.05 1.07 1.03 1.01 1.04 LLOWED PENWTPH-G) (H-D) (NWTPH-G) (H-D) (pH 6.18 6.18 6.18 6.18 6.18 CR BOTTLE NWTPH-GX PH-DX) (TPH COD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 1.8 1.5 1.1 1.6 1.5 TYPE (Circle aportion (BTEX) H-HCID) (8081) dity) (Alkalinity) (I) (NH3) (NO3/10) (Cr) (Cu) (Fe) (I)	#DIV/0! #DIV/0! pplicable or write in the interest of the in	DTW (ft) non-standard a rease) CI) (SO4) (NC	Ferrous iron (Fe II) malysis below) WA WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 17.6 17.6 17.6 17.6 17.6 17.6 17.6 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M VOC (Boein	Cond. (uS/cm) 204.9 205.0 205.2 205.1 NALYSIS AI (NWTPI citivity) (TD (Total PO- le) (WAD Cy (AS) (Sb) (etals) (As) (Sl g short list)	D.O. (mg/L) 1.05 1.07 1.03 1.01 1.04 LLOWED PENWTPH-G) (H-D) (NWTPH-G) (H-D) (pH 6.18 6.18 6.18 6.18 6.18 CR BOTTLE NWTPH-GX PH-DX) (TPH COD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 1.8 1.5 1.1 1.6 1.5 TYPE (Circle aportion (BTEX) H-HCID) (8081) dity) (Alkalinity) (I) (NH3) (NO3/10) (Cr) (Cu) (Fe) (I)	#DIV/0! #DIV/0! pplicable or write in the interest of the in	DTW (ft) non-standard a rease) CI) (SO4) (NC	Ferrous iron (Fe II) malysis below) WA WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 17.6 17.6 17.6 17.6 17.6 17.6 17.6 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M. VOC (Boein Methane Eth	Cond. (uS/cm) 204.9 205.0 205.2 205.1 NALYSIS AI (NWTPI citivity) (TD (Total PO- le) (WAD Cy (AS) (Sb) (etals) (As) (Sl g short list)	D.O. (mg/L) 1.05 1.07 1.03 1.01 1.04 LLOWED PENWTPH-G) (H-D) (NWTPH-G) (H-D) (pH 6.18 6.18 6.18 6.18 6.18 CR BOTTLE NWTPH-GX PH-DX) (TPH COD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 1.8 1.5 1.1 1.6 1.5 TYPE (Circle aportion (BTEX) H-HCID) (8081) dity) (Alkalinity) (I) (NH3) (NO3/10) (Cr) (Cu) (Fe) (I)	#DIV/0! #DIV/0! pplicable or write in the interest of the in	DTW (ft) non-standard a rease) CI) (SO4) (NC	Ferrous iron (Fe II) malysis below) WA WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3	Temp (°F/°C) 17.6 17.6 17.6 17.6 17.6 17.6 17.6 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M. VOC (Boein Methane Eth	Cond. (uS/cm) 204.9 205.0 205.2 205.1 NALYSIS AI (NWTPI citivity) (TD (Total PO- le) (WAD Cy (AS) (Sb) (etals) (As) (Sl g short list)	D.O. (mg/L) 1.05 1.07 1.03 1.01 1.04 LLOWED PENWTPH-G) (H-D) (NWTPH-G) (H-D) (pH 6.18 6.18 6.18 6.18 6.18 CR BOTTLE NWTPH-GX PH-DX) (TPH COD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 1.8 1.5 1.1 1.6 1.5 TYPE (Circle aportion (BTEX) H-HCID) (8081) dity) (Alkalinity) (I) (NH3) (NO3/10) (Cr) (Cu) (Fe) (I)	#DIV/0! #DIV/0! pplicable or write in the interest of the in	DTW (ft) non-standard a rease) CI) (SO4) (NC	Ferrous iron (Fe II) malysis below) WA WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 3 1 Duplicate Sam	Temp (°F/°C) 17.6 17.6 17.6 17.6 17.6 17.6 17.6 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals) (Dissolved M. VOC (Boein Methane Eth	Cond. (uS/cm) 204.9 205.0 205.2 205.1 NALYSIS AI (NWTPI citivity) (TD (Total PO- le) (WAD Cy (AS) (Sb) (etals) (As) (Sl g short list)	D.O. (mg/L) 1.05 1.07 1.03 1.01 1.04 LLOWED PENWTPH-G) (H-D) (NWTPH-G) (H-D) (pH 6.18 6.18 6.18 6.18 6.18 CR BOTTLE NWTPH-GX PH-DX) (TPH COD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) 1.8 1.5 1.1 1.6 1.5 TYPE (Circle aportion (BTEX) H-HCID) (8081) dity) (Alkalinity) (I) (NH3) (NO3/10) (Cr) (Cu) (Fe) (I)	#DIV/0! #DIV/0! pplicable or write in the interest of the in	DTW (ft) non-standard a rease) CI) (SO4) (NC	Ferrous iron (Fe II) malysis below) WA WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR



Project Name	e:	Boeing Ren	iton		Project Number	r:	0025217.099.0	99	
Event:		May-20		_	Date/Time:	05/ 12 /2020@	1305		
Sample Num	nber:	10-71-MW	4200512		Weather:	PARTLY CLOU	JDY, 60S		
Landau Repr	resentative:	BXM			-				
WATED LEV	EL/WELL/PU	IDCE DATA							
WATER LEV)	D (A)	(O)	Danasibar	Elizah Mazzat		
		Secure (YES		Damaged (N			Flush Mount		~ ~ ~ ~ ~ ~
DTW Before	0 0 . ,	8.26	Time:		Flow through cel			GW Meter No.(
Begin Purge:	Date/Time:	05/ 12 /202		End Purge:	Date/Time:	05/ 12 /2020 @		Gallons Purged:	
Purge water di	isposed to:		55-gal Drum		Storage Tank	Ground	Other	SITE TREATM	ENT SYSTEM
	Temp	Cond.	D.O.	pН	ORP	Turbidity	DTW	Internal Purge	Comments/
Time	(°F/°C)	(uS/cm)	(mg/L)		(mV)	(NTU)	(ft)	Volume (gal)	Observations
	Purge Goal	ls: Stablizatio +/- 3%		ters for three +/- 0.1 units	+/- 10 mV	lings within the fo +/- 10%	llowing limits < 0.3 ft	>/= 1 flow	
						- 7/- 10 70		through cell	
1242	17.4	189.9	1.63	6.21	28.4		8.27		
1245	18.5	199	1.59	6.22	24.1		8.28		
1248	19.5	266.1	1.51	6.24	8.0		8.28		
1251	19.9	281.2	1.35	6.27	4.0				
1254	20.1	303.9	1.33	6.28	1.0				
1257	20.4	322.6	1.06	6.29	-0.5				
1300	20.7	330.5	1.04	6.29	-1.8				
SAMPLE CO	LLECTION D	DATA							
Sample Collec	cted With:		Bailer		Pump/Pump Type	;			
Made of:		Stainless Ste	el 🔲	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proced	lure:	Alconox Wa	sh 🗖	Tap Rinse	DI Water	Dedicated		_	
(By Numerical			··· —	rup remse	□ Di Water	Dedicated			
	l ()rder)	Other							
		Other	· sheen etc.):	CLEAR CO	LORELESS NO	SHEEN NO ODO	R LIGHT TO	GRAY COLORE	D FINES
		-	, sheen, etc.):	CLEAR, CO	LORELESS, NO	SHEEN, NO ODO	R, LIGHT TO	GRAY COLORE	D FINES
		-	, sheen, etc.):	CLEAR, CO	LORELESS, NO	SHEEN, NO ODO Turbidity	PR, LIGHT TO C	GRAY COLORE	D FINES Comments/
Sample Descr	ription (color, t	turbidity, odor	· -						
Sample Descr	iption (color, t	turbidity, odor	D.O.		ORP	Turbidity	DTW	Ferrous iron	Comments/
Sample Descr Replicate	Temp (°F/°C)	Cond. (uS/cm) 331.3	D.O. (mg/L)	рН 6.29	ORP (mV)	Turbidity	DTW	Ferrous iron	Comments/
Sample Description Replicate 1 2	Temp (°F/°C) 20.7	Cond. (uS/cm) 331.3	D.O. (mg/L) 1.05	pH 6.29 6.29	ORP (mV) -2.0 -2.1	Turbidity	DTW	Ferrous iron	Comments/
Replicate 1 2 3	Temp (°F/°C) 20.7 20.7	Cond. (uS/cm) 331.3 331.7 333.0	D.O. (mg/L) 1.05 1.04	pH 6.29 6.29 6.29	ORP (mV) -2.0 -2.1 -2.4	Turbidity	DTW	Ferrous iron	Comments/
Sample Description Replicate 1 2	Temp (°F/°C) 20.7	Cond. (uS/cm) 331.3	D.O. (mg/L) 1.05	pH 6.29 6.29	ORP (mV) -2.0 -2.1	Turbidity	DTW	Ferrous iron	Comments/
Replicate 1 2 3	Temp (°F/°C) 20.7 20.7	Cond. (uS/cm) 331.3 331.7 333.0	D.O. (mg/L) 1.05 1.04	pH 6.29 6.29 6.29	ORP (mV) -2.0 -2.1 -2.4	Turbidity	DTW	Ferrous iron	Comments/
Replicate 1 2 3 4 Average:	Temp (°F/°C) 20.7 20.7 20.8 20.7	Cond. (uS/cm) 331.3 331.7 333.0 332.3	D.O. (mg/L) 1.05 1.04 1.01 1.08	6.29 6.29 6.29 6.29 6.29	ORP (mV) -2.0 -2.1 -2.4 -2.7 -2.3	Turbidity (NTU) #DIV/0!	DTW (ft)	Ferrous iron (Fe II)	Comments/
Replicate 1 2 3 4 Average:	Temp (°F/°C) 20.7 20.7 20.8 20.7	Cond. (uS/cm) 331.3 331.7 333.0 332.3 NALYSIS Al	D.O. (mg/L) 1.05 1.04 1.01 1.08 1.05	6.29 6.29 6.29 6.29 6.29 6.29	ORP (mV) -2.0 -2.1 -2.4 -2.7 -2.3 TYPE (Circle ap	Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 20.7 20.7 20.7 20.8 20.7 TYPICAL A (8260) (8010	Cond. (uS/cm) 331.3 331.7 333.0 332.3 NALYSIS AI 0) (8020) (N	D.O. (mg/L) 1.05 1.04 1.01 1.08 1.05 LLOWED PE	6.29 6.29 6.29 6.29 6.29 6.29 RER BOTTLE	ORP (mV) -2.0 -2.1 -2.4 -2.7 -2.3 TYPE (Circle approximately (BTEX)	Turbidity (NTU) #DIV/0!	DTW (ft)	Ferrous iron (Fe II)	Comments/
Replicate 1 2 3 4 Average: QUANTITY 7 2	Temp (°F/°C) 20.7 20.7 20.8 20.7 TYPICAL A (8260) (8010 (8270D) (PA	Cond. (uS/cm) 331.3 331.7 333.0 332.3 NALYSIS AI O) (8020) (N H) (NWTPI	D.O. (mg/L) 1.05 1.04 1.01 1.08 1.05 LLOWED PENWTPH-G) (M-D) (NWTP	6.29 6.29 6.29 6.29 6.29 6.29 CR BOTTLE NWTPH-GX	ORP (mV) -2.0 -2.1 -2.4 -2.7 -2.3 TYPE (Circle ap (BTEX)) H-HCID) (8081)	#DIV/0!	DTW (ft) non-standard a	Ferrous iron (Fe II) malysis below) WA WA WA	Comments/ Observations OR
Replicate 1 2 3 4 Average: QUANTITY 7 2	Temp (°F/°C) 20.7 20.7 20.8 20.7 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu	Cond. (uS/cm) 331.3 331.7 333.0 332.3 NALYSIS AI (0) (8020) (N AH) (NWTPI Inctivity) (TD	D.O. (mg/L) 1.05 1.04 1.01 1.08 1.05 LLOWED PERWYPH-G) (M-D) (NWTP	6.29 6.29 6.29 6.29 6.29 6.29 CR BOTTLE NWTPH-Gx PH-Dx) (TPF	ORP (mV) -2.0 -2.1 -2.4 -2.7 -2.3 TYPE (Circle ap (BTEX)) H-HCID) (8081)	#DIV/0! plicable or write (8141) (Oil & Grother (HCO3/CO3) (0)	DTW (ft) non-standard a	Ferrous iron (Fe II) malysis below) WA WA WA	Comments/ Observations OR
Replicate 1 2 3 4 Average: QUANTITY 7 2	Temp (°F/°C) 20.7 20.7 20.8 20.7 20.8 20.7 (8260) (8010 (8270D) (PA (pH) (Conduction) (TOO	Cond. (uS/cm) 331.3 331.7 333.0 333.3 332.3 NALYSIS AI (D) (8020) (N CH) (NWTPI citivity) (TD (C) (Total PO	D.O. (mg/L) 1.05 1.04 1.01 1.08 1.05 LLOWED PERWYPH-G) (M-D) (NWTP	6.29 6.29 6.29 6.29 6.29 6.29 CR BOTTLE NWTPH-Gx PH-Dx) (TPF BOD) (Turbiodahl Nitroger	ORP (mV) -2.0 -2.1 -2.4 -2.7 -2.3 TYPE (Circle ap (BTEX) I-HCID) (8081) dity) (Alkalinity)	#DIV/0! plicable or write (8141) (Oil & Grother (HCO3/CO3) (0)	DTW (ft) non-standard a	Ferrous iron (Fe II) malysis below) WA WA WA	Comments/ Observations OR
Replicate 1 2 3 4 Average: QUANTITY 7 2	Temp (°F/°C) 20.7 20.7 20.7 20.8 20.7 TYPICAL A (8260) (8010 (8270D) (PA (COD) (TOO (Total Cyanid	Cond. (uS/cm) 331.3 331.7 333.0 332.3 NALYSIS AI (0) (8020) (NAH) (NWTPI (D.O. (mg/L) 1.05 1.04 1.01 1.08 1.05 LLOWED PE WTPH-G) (NWTP S) (TSS) (B 4) (Total Kie vanide) (Free	6.29 6.29 6.29 6.29 6.29 6.29 CR BOTTLE NWTPH-Gx PH-Dx) (TPF GOD) (Turbic dahl Nitroger Cyanide)	ORP (mV) -2.0 -2.1 -2.4 -2.7 -2.3 TYPE (Circle ap (BTEX) I-HCID) (8081) dity) (Alkalinity) (i) (NH3) (NO3/	#DIV/0! plicable or write (8141) (Oil & Grother (HCO3/CO3) (0)	DTW (ft) non-standard and and and and and and and and and an	Ferrous iron (Fe II) malysis below) WA WA WA O NO2) (F)	Comments/ Observations OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 7 2	Temp (°F/°C) 20.7 20.7 20.8 20.7 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 331.3 331.7 333.0 333.3 332.3 NALYSIS AI (D) (8020) (N (H) (NWTPI (Ictivity) (TD (C) (Total PO- (le) (WAD Cy () (As) (Sb) (D.O. (mg/L) 1.05 1.04 1.01 1.08 1.05 LLOWED PERWTPH-G) (M-D) (NWTPH-G) (M-D) (6.29 6.29 6.29 6.29 6.29 6.29 CR BOTTLE NWTPH-Gx PH-Dx) (TPF GOD) (Turbic dahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -2.0 -2.1 -2.4 -2.7 -2.3 TYPE (Circle aportion (BTEX) I-HCID) (8081) dity) (Alkalinity) dity) (NH3) (NO3/2) (Cr) (Cu) (Fe) (Cu)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Groth (HCO3/CO3) (MNO2)	non-standard and rease) Cl) (SO4) (NO	Ferrous iron (Fe II) malysis below) WA WA WA O O O O O O O O O O O O O O O O O O O	Comments/ Observations OR □ OR □
Replicate 1 2 3 4 Average: QUANTITY 7 2	Temp (°F/°C) 20.7 20.7 20.8 20.7 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 331.3 331.7 333.0 333.3 332.3 NALYSIS AI (D) (8020) (N (AH) (NWTPH (Inctivity) (TD (C) (Total PO- (Ic) (WAD C) (Ic) (As) (Sb) (etals) (As) (Sl)	D.O. (mg/L) 1.05 1.04 1.01 1.08 1.05 LLOWED PERWTPH-G) (M-D) (NWTPH-G) (M-D) (6.29 6.29 6.29 6.29 6.29 6.29 CR BOTTLE NWTPH-GX PH-Dx) (TPF GOD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -2.0 -2.1 -2.4 -2.7 -2.3 TYPE (Circle aportion (BTEX) I-HCID) (8081) dity) (Alkalinity) dity) (NH3) (NO3/2) (Cr) (Cu) (Fe) (Cu)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Groth (HCO3/CO3) (MNO2)	non-standard and rease) Cl) (SO4) (NO	Ferrous iron (Fe II) malysis below) WA WA WA O O O O O O O O O O O O O O O O O O O	Comments/ Observations OR OR OR Graph OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 7 2	Temp (°F/°C) 20.7 20.7 20.8 20.7 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 331.3 331.7 333.0 333.3 332.3 NALYSIS AI (D) (8020) (N (AH) (NWTPH (Inctivity) (TD (C) (Total PO- (Ic) (WAD C) (Ic) (As) (Sb) (etals) (As) (Sl)	D.O. (mg/L) 1.05 1.04 1.01 1.08 1.05 LLOWED PENWTPH-G) (M-D) (NWTPH-G) (M-D) (NWTPH-G) (M-D) (NWTPH-G) (M-D) (NWTPH-G) (M-D) (6.29 6.29 6.29 6.29 6.29 6.29 CR BOTTLE NWTPH-GX PH-Dx) (TPF GOD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -2.0 -2.1 -2.4 -2.7 -2.3 TYPE (Circle aportion (BTEX) I-HCID) (8081) dity) (Alkalinity) dity) (NH3) (NO3/2) (Cr) (Cu) (Fe) (Cu)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Groth (HCO3/CO3) (MNO2)	non-standard and rease) Cl) (SO4) (NO	Ferrous iron (Fe II) malysis below) WA WA WA O O O O O O O O O O O O O O O O O O O	Comments/ Observations OR OR OR Graph OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 7 2	Temp (°F/°C) 20.7 20.7 20.8 20.7 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 331.3 331.7 333.0 333.3 332.3 NALYSIS AI O) (8020) (N AH) (NWTPI nctivity) (TD C) (Total PO- le) (WAD Cy) (As) (Sb) (etals) (As) (Sb) g short list)	D.O. (mg/L) 1.05 1.04 1.01 1.08 1.05 LLOWED PENWTPH-G) (M-D) (NWTPH-G) (M-D) (NWTPH-G) (M-D) (NWTPH-G) (M-D) (NWTPH-G) (M-D) (6.29 6.29 6.29 6.29 6.29 6.29 CR BOTTLE NWTPH-GX PH-Dx) (TPF GOD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -2.0 -2.1 -2.4 -2.7 -2.3 TYPE (Circle aportion (BTEX) I-HCID) (8081) dity) (Alkalinity) dity) (NH3) (NO3/2) (Cr) (Cu) (Fe) (Cu)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Groth (HCO3/CO3) (MNO2)	non-standard and rease) Cl) (SO4) (NO	Ferrous iron (Fe II) malysis below) WA WA WA O O O O O O O O O O O O O O O O O O O	Comments/ Observations OR OR OR Graph OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 7 2	Temp (°F/°C) 20.7 20.7 20.8 20.7 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 331.3 331.7 333.0 333.3 332.3 NALYSIS AI O) (8020) (N AH) (NWTPI nctivity) (TD C) (Total PO- le) (WAD Cy) (As) (Sb) (etals) (As) (Sb) g short list)	D.O. (mg/L) 1.05 1.04 1.01 1.08 1.05 LLOWED PENWTPH-G) (M-D) (NWTPH-G) (M-D) (NWTPH-G) (M-D) (NWTPH-G) (M-D) (NWTPH-G) (M-D) (6.29 6.29 6.29 6.29 6.29 6.29 CR BOTTLE NWTPH-GX PH-Dx) (TPF GOD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -2.0 -2.1 -2.4 -2.7 -2.3 TYPE (Circle aportion (BTEX) I-HCID) (8081) dity) (Alkalinity) dity) (NH3) (NO3/2) (Cr) (Cu) (Fe) (Cu)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Groth (HCO3/CO3) (MNO2)	non-standard and rease) Cl) (SO4) (NO	Ferrous iron (Fe II) malysis below) WA WA WA O O O O O O O O O O O O O O O O O O O	Comments/ Observations OR OR OR Graph OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 7 2	Temp (°F/°C) 20.7 20.7 20.8 20.7 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 331.3 331.7 333.0 333.3 332.3 NALYSIS AI O) (8020) (N AH) (NWTPI nctivity) (TD C) (Total PO- le) (WAD Cy) (As) (Sb) (etals) (As) (Sb) g short list)	D.O. (mg/L) 1.05 1.04 1.01 1.08 1.05 LLOWED PENWTPH-G) (M-D) (NWTPH-G) (M-D) (NWTPH-G) (M-D) (NWTPH-G) (M-D) (NWTPH-G) (M-D) (6.29 6.29 6.29 6.29 6.29 6.29 CR BOTTLE NWTPH-GX PH-Dx) (TPF GOD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -2.0 -2.1 -2.4 -2.7 -2.3 TYPE (Circle aportion (BTEX) I-HCID) (8081) dity) (Alkalinity) dity) (NH3) (NO3/2) (Cr) (Cu) (Fe) (Cu)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Groth (HCO3/CO3) (MNO2)	non-standard and rease) Cl) (SO4) (NO	Ferrous iron (Fe II) malysis below) WA WA WA O O O O O O O O O O O O O O O O O O O	Comments/ Observations OR OR OR Graph OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 7 2	Temp (°F/°C) 20.7 20.7 20.8 20.7 TYPICAL A (8260) (8010 (8270D) (PA (COD) (Total Cyanid (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 331.3 331.7 333.0 333.3 332.3 NALYSIS AI O) (8020) (N AH) (NWTPI nctivity) (TD C) (Total PO- le) (WAD Cy) (As) (Sb) (etals) (As) (Sb) g short list)	D.O. (mg/L) 1.05 1.04 1.01 1.08 1.05 LLOWED PENWTPH-G) (M-D) (NWTPH-G) (M-D) (NWTPH-G) (M-D) (NWTPH-G) (M-D) (NWTPH-G) (M-D) (6.29 6.29 6.29 6.29 6.29 6.29 CR BOTTLE NWTPH-GX PH-Dx) (TPF GOD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -2.0 -2.1 -2.4 -2.7 -2.3 TYPE (Circle aportion (BTEX) I-HCID) (8081) dity) (Alkalinity) dity) (NH3) (NO3/2) (Cr) (Cu) (Fe) (Cu)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Groth (HCO3/CO3) (MNO2)	non-standard and rease) Cl) (SO4) (NO	Ferrous iron (Fe II) malysis below) WA WA WA O O O O O O O O O O O O O O O O O O O	Comments/ Observations OR OR OR Graph OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 7 2 Duplicate Sam	Temp (°F/°C) 20.7 20.7 20.8 20.7 TYPICAL A (8260) (8010 (8270D) (PA (COD) (Total Cyanid (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 331.3 331.7 333.0 333.3 332.3 NALYSIS AI O) (8020) (N AH) (NWTPI nctivity) (TD C) (Total PO- le) (WAD Cy) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 1.05 1.04 1.01 1.08 1.05 LLOWED PENWTPH-G) (M-D) (NWTPH-G) (M-D) (NWTPH-G) (M-D) (NWTPH-G) (M-D) (NWTPH-G) (M-D) (6.29 6.29 6.29 6.29 6.29 6.29 CR BOTTLE NWTPH-GX PH-Dx) (TPF GOD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -2.0 -2.1 -2.4 -2.7 -2.3 TYPE (Circle aportion (BTEX) I-HCID) (8081) dity) (Alkalinity) dity) (NH3) (NO3/2) (Cr) (Cu) (Fe) (Cu)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Groth (HCO3/CO3) (MNO2)	non-standard and rease) Cl) (SO4) (NO	Ferrous iron (Fe II) malysis below) WA WA WA O O O O O O O O O O O O O O O O O O O	Comments/ Observations OR OR OR Graph OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 7 2	Temp (°F/°C) 20.7 20.7 20.8 20.7 TYPICAL A (8260) (8010 (8270D) (PA (COD) (Total Cyanid (Total Metals) (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 331.3 331.7 333.0 333.3 332.3 NALYSIS AI O) (8020) (N AH) (NWTPI nctivity) (TD C) (Total PO- le) (WAD Cy) (As) (Sb) (etals) (As) (Sb) (g short list)	D.O. (mg/L) 1.05 1.04 1.01 1.08 1.05 LLOWED PENWTPH-G) (M-D) (NWTPH-G) (M-D) (NWTPH-G) (M-D) (NWTPH-G) (M-D) (NWTPH-G) (M-D) (6.29 6.29 6.29 6.29 6.29 6.29 CR BOTTLE NWTPH-GX PH-Dx) (TPF GOD) (Turbic dahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -2.0 -2.1 -2.4 -2.7 -2.3 TYPE (Circle aportion (BTEX) I-HCID) (8081) dity) (Alkalinity) dity) (NH3) (NO3/2) (Cr) (Cu) (Fe) (Cu)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Groth (HCO3/CO3) (MNO2)	non-standard and rease) Cl) (SO4) (NO	Ferrous iron (Fe II) malysis below) WA WA WA O O O O O O O O O O O O O O O O O O O	Comments/ Observations OR OR OR Graph OR OR OR OR OR OR OR OR OR OR



Erront	ie:	Boeing Ren	iton		Project Number	r:	0025217.099.0	99	
Event:		May-20			Date/Time:	05/ 12 /2020@	1025		
Sample Nun	nber:	RGW262S-	200512		Weather:	PARTLY CLOU	JDY, 60S		
Landau Rep	resentative:	BXM			-		· · · · · · · · · · · · · · · · · · ·		
WATEDIEV	VEL/WELL/PU	IDGE DATA							
Well Condition		Secure (YES	.)	Damaged (N	(A)	Describe:	Flush Mount		
		`		-			Tiusii Moulit	CWAY N. A.	GL ODE 2
DTW Before	0 0 0	4.71	Time:		Flow through cel			GW Meter No.(s	
	Date/Time:	05/ 12 /202		End Purge:		05/ 12 /2020 @ 1		Gallons Purged:	-
Purge water d	lisposed to:		55-gal Drum		Storage Tank	Ground	Other	SITE TREATM	ENT SYSTEM
Time	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity (NTU)	DTW (ft)	Internal Purge Volume (gal)	Comments/ Observations
	_					lings within the fo	~	>/= 1 flow	
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
958	16.0	448.3	0.93	6.32	-22.9		5.32		
1001	16.6	452.1	0.99	6.27	-30.4		5.36		
1004	17.0	461.4	1.04	6.28	-35.4		5.44		
	· ·——	-					-		
1007	17.4	468.2	1.01	6.29	-40.1		5.53	-	
1010	17.6	470.1	0.98	6.29	-39.6		5.61		
	-								
SAMDI E CO	DLLECTION D) A T A							
Sample Colle		DATA	Bailer		Pump/Pump Type	PERISTAL TIC			
Made of:	cica with.	_		PVC		_	Other	Dedicated	-
	. =	Stainless Ste			Teflon	Polyethylene	Other	Dedicated	
Decon Proced		Alconox Wa	sh	Tap Rinse	DI Water	Dedicated			
(By Numerica	ıl Order)	Other							
C 1 T		_							
Sample Desci	ription (color, t	turbidity, odor	, sheen, etc.):	CLEAR, YE	LLOW TINT, NO	SHEEN, NO ODO	OR, EFFERVES	CENT, SOME DA	ARK FINES
			· -						
Replicate	Temp	Cond. (uS/cm)	D.O.	CLEAR, YE	ORP	Turbidity	DTW	CENT, SOME DA	ARK FINES Comments/ Observations
Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)			Ferrous iron	Comments/
Replicate	Temp (°F/°C)	Cond. (uS/cm) 471.0	D.O. (mg/L)	рН 6.28	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)	Cond. (uS/cm) 471.0	D.O. (mg/L)	рН 6.28	ORP (mV)	Turbidity	DTW	Ferrous iron	Comments/
Replicate 1 2	Temp (°F/°C) 17.6	Cond. (uS/cm) 471.0 471.3	D.O. (mg/L) 0.85	pH 6.28 6.28	ORP (mV) -39.6	Turbidity	DTW	Ferrous iron	Comments/
Replicate 1 2 3 4	Temp (°F/°C) 17.6 17.6	Cond. (uS/cm) 471.0 471.3 471.9 472.0	D.O. (mg/L) 0.85 0.82 0.80	pH 6.28 6.28 6.28	ORP (mV) -39.6 -39.5	Turbidity	DTW	Ferrous iron	Comments/
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.6 17.6 17.6 17.5	Cond. (uS/cm) 471.0 471.3 471.9 472.0 471.6	D.O. (mg/L) 0.85 0.82 0.80 1.01	6.28 6.28 6.28 6.28 6.28	ORP (mV) -39.6 -39.5 -39.4 -39.6 -39.5	Turbidity (NTU) #DIV/0!	DTW (ft)	Ferrous iron (Fe II)	Comments/
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.6 17.6 17.6 17.5 17.6	Cond. (uS/cm) 471.0 471.3 471.9 472.0 471.6	D.O. (mg/L) 0.85 0.82 0.80 1.01 0.87	6.28 6.28 6.28 6.28 6.28 6.28	ORP (mV) -39.6 -39.5 -39.4 -39.6 -39.5 TYPE (Circle ap	Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.6 17.6 17.6 17.5 17.6 TYPICAL A (8260) (8010	Cond. (uS/cm) 471.0 471.3 471.9 472.0 471.6 NALYSIS AI 0) (8020) (N	D.O. (mg/L) 0.85 0.82 0.80 1.01 0.87 LLOWED PE	6.28 6.28 6.28 6.28 6.28 6.28 6.28 RER BOTTLE	ORP (mV) -39.6 -39.5 -39.4 -39.6 -39.5 TYPE (Circle approximation of the company	Turbidity (NTU) #DIV/0!	DTW (ft)	Ferrous iron (Fe II) nalysis below) WA	Comments/ Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.6 17.6 17.6 17.5 17.6 TYPICAL A (8260) (8010) (8270D) (PA	Cond. (uS/cm) 471.0 471.3 471.9 472.0 471.6 NALYSIS AI 0) (8020) (N	D.O. (mg/L) 0.85 0.82 0.80 1.01 0.87 LLOWED PP	6.28 6.28 6.28 6.28 6.28 6.28 CR BOTTLE NWTPH-GX PH-DX) (TPH	ORP (mV) -39.6 -39.5 -39.4 -39.6 -39.5 TYPE (Circle approximately (BTEX) I-HCID) (8081)	#DIV/0!	DTW (ft)	Ferrous iron (Fe II) malysis below) WA WA WA	Comments/ Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.6 17.6 17.6 17.5 17.6 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu	Cond. (uS/cm) 471.0 471.3 471.9 472.0 471.6 NALYSIS AI () (8020) (N AH) (NWTPI inctivity) (TD	D.O. (mg/L) 0.85 0.82 0.80 1.01 0.87 LLOWED PF NWTPH-G) (NWTF S) (TSS) (B	6.28 6.28 6.28 6.28 6.28 6.28 6.28 6.28	ORP (mV) -39.6 -39.5 -39.4 -39.6 -39.5 TYPE (Circle ap (BTEX) I-HCID) (8081) dity) (Alkalinity)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gi) (HCO3/CO3) (0	DTW (ft)	Ferrous iron (Fe II) malysis below) WA WA WA	Comments/ Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.6 17.6 17.6 17.5 17.6 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu	Cond. (uS/cm) 471.0 471.3 471.9 472.0 471.6 NALYSIS AI (D) (8020) (N CH) (NWTPI (activity) (TD C) (Total PO	D.O. (mg/L) 0.85 0.82 0.80 1.01 0.87 LLOWED PENTTH-G) (NWTPH-G) (NWTPH-G) (NWTPH-G) (FI-D) (FI-D) (NWTPH-G) (FI-D) (FI-D) (NWTPH-G) (FI-D)	6.28 6.28 6.28 6.28 6.28 6.28 CR BOTTLE (NWTPH-Gx) PH-Dx) (TPF-BOD) (Turbio adahl Nitroger	ORP (mV) -39.6 -39.5 -39.4 -39.6 -39.5 TYPE (Circle approximately (BTEX) I-HCID) (8081)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Gi) (HCO3/CO3) (0	DTW (ft)	Ferrous iron (Fe II) malysis below) WA WA WA	Comments/ Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.6 17.6 17.6 17.5 17.6 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Conduction) (COD) (TOO (Total Cyanid	Cond. (uS/cm) 471.0 471.3 471.9 472.0 471.6 NALYSIS AI (0) (8020) (N AH) (NWTPI (ctivity) (TD (c) (Total PO-	D.O. (mg/L) 0.85 0.82 0.80 1.01 0.87 LLOWED PF WTPH-G) (NWTP S) (TSS) (E 4) (Total Kie (ranide) (Free	6.28 6.28 6.28 6.28 6.28 6.28 CR BOTTLE NWTPH-Gx; PH-Dx) (TPF BOD) (Turbic ddall Nitroger Cyanide)	ORP (mV) -39.6 -39.5 -39.4 -39.6 -39.5 TYPE (Circle ap (BTEX) H-HCID) (8081) dity) (Alkalinity) (Alkalinity) (Alkalinity)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Go (HCO3/CO3) (Over 1002)	DTW (ft) non-standard and and arease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA O WA O O O O O O O O O O O O O O O O O O O	Comments/ Observations OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.6 17.6 17.6 17.6 17.6 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals)	Cond. (uS/cm) 471.0 471.3 471.9 472.0 471.6 NALYSIS AI () (8020) (N tH) (NWTPI activity) (TD (C) (Total PO- le) (WAD Cy () (As) (Sb) (D.O. (mg/L) 0.85 0.82 0.80 1.01 0.87 LLOWED PENWTPH-G) (NWTF S) (TSS) (B 4) (Total Kiet (Anide) (Free (Ba) (Be) (Ca)	6.28 6.28 6.28 6.28 6.28 6.28 CR BOTTLE NWTPH-Gx PH-Dx) (TPF BOD) (Turbic Stdahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -39.6 -39.5 -39.4 -39.6 -39.5 TYPE (Circle aportion (BTEX) H-HCID) (8081) dity) (Alkalinity) n) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Grover of the Control of the	DTW (ft) non-standard and rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA ON ONE OF OF ONE OF	Comments/ Observations OR OR OR Graph OR Graph OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.6 17.6 17.6 17.5 17.6 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (TOG (Total Cyanid (Total Metals) (Dissolved M	Cond. (uS/cm) 471.0 471.3 471.9 472.0 471.6 NALYSIS AI () (8020) (N AH) (NWTPI (ctivity) (TD (c) (Total PO- (e) (WAD Cy (e) (As) (Sb) (etals) (As) (Sb)	D.O. (mg/L) 0.85 0.82 0.80 1.01 0.87 LLOWED PENWTPH-G) (NWTF S) (TSS) (B 4) (Total Kiet (Anide) (Free (Ba) (Be) (Ca)	6.28 6.28 6.28 6.28 6.28 6.28 CR BOTTLE NWTPH-Gx PH-Dx) (TPF BOD) (Turbic Stdahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -39.6 -39.5 -39.4 -39.6 -39.5 TYPE (Circle aportion (BTEX) H-HCID) (8081) dity) (Alkalinity) n) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Grover of the Control of the	DTW (ft) non-standard and rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA ON ONE OF OF ONE OF	Comments/ Observations OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.6 17.6 17.6 17.5 17.6 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (TOO (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 471.0 471.3 471.9 472.0 471.6 NALYSIS AI (b) (8020) (N C) (Total PO (c) (Total PO (c) (As) (Sb) (Setals) (As) (Sl (g short list)	D.O. (mg/L) 0.85 0.82 0.80 1.01 0.87 LLOWED PF WTPH-G) (NWTP S) (TSS) (E) (H-D) (NWTP (H-D) (NWT	6.28 6.28 6.28 6.28 6.28 6.28 CR BOTTLE NWTPH-Gx PH-Dx) (TPF BOD) (Turbic Stdahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -39.6 -39.5 -39.4 -39.6 -39.5 TYPE (Circle aportion (BTEX) H-HCID) (8081) dity) (Alkalinity) n) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Grover of the Control of the	DTW (ft) non-standard and rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA ON ONE OF OF ONE OF	Comments/ Observations OR OR OR Graph OR Graph OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.6 17.6 17.6 17.5 17.6 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (TOO (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 471.0 471.3 471.9 472.0 471.6 NALYSIS AI () (8020) (N AH) (NWTPI (ctivity) (TD (c) (Total PO- (e) (WAD Cy (e) (As) (Sb) (etals) (As) (Sb)	D.O. (mg/L) 0.85 0.82 0.80 1.01 0.87 LLOWED PF WTPH-G) (NWTP S) (TSS) (E) (H-D) (NWTP (H-D) (NWT	6.28 6.28 6.28 6.28 6.28 6.28 CR BOTTLE NWTPH-Gx PH-Dx) (TPF BOD) (Turbic Stdahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -39.6 -39.5 -39.4 -39.6 -39.5 TYPE (Circle aportion (BTEX) H-HCID) (8081) dity) (Alkalinity) n) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Grover of the Control of the	DTW (ft) non-standard and rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA ON ONE OF OF ONE OF	Comments/ Observations OR OR OR Graph OR Graph OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.6 17.6 17.6 17.5 17.6 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (TOO (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 471.0 471.3 471.9 472.0 471.6 NALYSIS AI (b) (8020) (N C) (Total PO (c) (Total PO (c) (As) (Sb) (Setals) (As) (Sl (g short list)	D.O. (mg/L) 0.85 0.82 0.80 1.01 0.87 LLOWED PF WTPH-G) (NWTP S) (TSS) (E) (H-D) (NWTP (H-D) (NWT	6.28 6.28 6.28 6.28 6.28 6.28 CR BOTTLE NWTPH-Gx PH-Dx) (TPF BOD) (Turbic Stdahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -39.6 -39.5 -39.4 -39.6 -39.5 TYPE (Circle aportion (BTEX) H-HCID) (8081) dity) (Alkalinity) n) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Grover of the Control of the	DTW (ft) non-standard and rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA ON ONE OF OF ONE OF	Comments/ Observations OR OR OR Graph OR Graph OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.6 17.6 17.6 17.6 17.6 17.6 TYPICAL A (8260) (8010 (8270D) (PA (COD) (TOO (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 471.0 471.3 471.9 472.0 471.6 NALYSIS AI (b) (8020) (N C) (Total PO (c) (Total PO (c) (As) (Sb) (Setals) (As) (Sl (g short list)	D.O. (mg/L) 0.85 0.82 0.80 1.01 0.87 LLOWED PF WTPH-G) (NWTP S) (TSS) (E) (H-D) (NWTP (H-D) (NWT	6.28 6.28 6.28 6.28 6.28 6.28 CR BOTTLE NWTPH-Gx PH-Dx) (TPF BOD) (Turbic Stdahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -39.6 -39.5 -39.4 -39.6 -39.5 TYPE (Circle aportion (BTEX) H-HCID) (8081) dity) (Alkalinity) n) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Grover of the Control of the	DTW (ft) non-standard and rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA ON ONE OF OF ONE OF	Comments/ Observations OR OR OR Graph OR Graph OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.6 17.6 17.6 17.5 17.6 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (TOO (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 471.0 471.3 471.9 472.0 471.6 NALYSIS AI (b) (8020) (N C) (Total PO (c) (Total PO (c) (As) (Sb) (Setals) (As) (Sl (g short list)	D.O. (mg/L) 0.85 0.82 0.80 1.01 0.87 LLOWED PF WTPH-G) (NWTP S) (TSS) (E) (H-D) (NWTP (H-D) (NWT	6.28 6.28 6.28 6.28 6.28 6.28 CR BOTTLE NWTPH-Gx PH-Dx) (TPF BOD) (Turbic Stdahl Nitroger Cyanide) a) (Cd) (Co)	ORP (mV) -39.6 -39.5 -39.4 -39.6 -39.5 TYPE (Circle aportion (BTEX) H-HCID) (8081) dity) (Alkalinity) n) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Grover of the Control of the	DTW (ft) non-standard and rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA ON ONE OF OF ONE OF	Comments/ Observations OR OR OR Graph OR Graph OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 17.6 17.6 17.6 17.6 17.6 TYPICAL A (8260) (8010 (8270D) (PA (COD) (TOO (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 471.0 471.3 471.9 472.0 471.6 NALYSIS AI (D) (8020) (N OH) (NWTPI (Intivity) (TD C) (Total PO- (Intivity) (TD C) (Tota	D.O. (mg/L) 0.85 0.82 0.80 1.01 0.87 LLOWED PF WTPH-G) (NWTP S) (TSS) (E) (H-D) (NWTP (H-D) (NWT	6.28 6.28 6.28 6.28 6.28 6.28 6.28 CR BOTTLE (NWTPH-Gx) PH-Dx) (TPF BOD) (Turbic Stahl Nitroger Property (Cyanide) (Cyanide) (Cyanide) (Co) (Ca) (Cd) (Co)	ORP (mV) -39.6 -39.5 -39.4 -39.6 -39.5 TYPE (Circle aportion (BTEX) H-HCID) (8081) dity) (Alkalinity) n) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Grover of the Control of the	DTW (ft) non-standard and rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA ON ONE OF OF ONE OF	Comments/ Observations OR OR OR Graph OR Graph OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY 7 2	Temp (°F/°C) 17.6 17.6 17.6 17.6 17.6 TYPICAL A (8260) (8010 (8270D) (PA (COD) (TOO (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 471.0 471.3 471.9 472.0 471.6 NALYSIS AI (D) (8020) (N OH) (NWTPI (Intivity) (TD C) (Total PO- (Intivity) (TD C) (Tota	D.O. (mg/L) 0.85 0.82 0.80 1.01 0.87 LLOWED PENWTPH-G) (NWTPH-G) (NWTP	6.28 6.28 6.28 6.28 6.28 6.28 6.28 CR BOTTLE (NWTPH-Gx) PH-Dx) (TPF BOD) (Turbic Stahl Nitroger Property (Cyanide) (Cyanide) (Cyanide) (Co) (Ca) (Cd) (Co)	ORP (mV) -39.6 -39.5 -39.4 -39.6 -39.5 TYPE (Circle aportion (BTEX) H-HCID) (8081) dity) (Alkalinity) n) (NH3) (NO3)	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & Grover of the Control of the	DTW (ft) non-standard and rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA ON ONE OF OF ONE OF	Comments/ Observations OR OR OR Graph OR Graph OR OR OR OR OR OR OR OR OR OR



Project Nan	ne:	Boeing Rent	.011		Project Number	<u>: </u>	0025217.099.0	99	
Event:		May-20			Date/Time:	05/ 12 /2020@	800		
Sample Nur	nber:	RGWDUP5	200512		Weather:	PARTLY CLOU	JDY, 60S		
Landau Rep	resentative:	BXM							
WATEDIE	VEL/WELL/PU	IDGE DATA							
Well Conditi		Secure (YES)		Damaged (N	(A)	Describe	Flush Mount		
		, ,		• ,			riusii Moulit		ar app 4
DTW Before		4.71	Time:	951	Flow through cel			GW Meter No.(
Begin Purge:	Date/Time:	05/ 12 /2020		End Purge:	Date/Time:	05/12 /2020 @ 3		Gallons Purged:	
Purge water	disposed to:	Ш	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
						lings within the fo		>/= 1 flow	
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
									-
		Dı	ınlica	ite to	RGW2	262S			
			-P-1100						,
							-		
SAMPLE CO	DLLECTION D	ATA							
Sample Colle	ected With:		Bailer		Pump/Pump Type	BLADDER DED	ICATE		
Made of:		Stainless Stee	el 🛄	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proce	dure:	Alconox Was	h 🗇	Tap Rinse	DI Water	Dedicated			
(By Numerica	al Order)	Other	-	•	_				
. •		₩.							
Sample Desc		nubidity odon	aboon ato).	CLEAD VE	LLOW TINT NO	CHEEN NO OD	OD EFFEDVES	CENT COME D	ADV EINIEC
	ripuon (voici,	turbidity, odor,	sheen, etc.):	CLEAR, YE	LLOW TINT, NO	SHEEN, NO ODO	OR, EFFERVES	CENT, SOME D.	ARK FINES
Replicate		-	· -						
Replicate	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pH	ORP (mV)	Turbidity (NTU)	OR, EFFERVES DTW (ft)	Ferrous iron (Fe II)	ARK FINES Comments/ Observations
•	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity	DTW	Ferrous iron	Comments/
1	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	рН 6.28	ORP (mV)	Turbidity	DTW	Ferrous iron	Comments/
•	Temp (°F/°C) 17.6	Cond. (uS/cm)	D.O. (mg/L)	pН	ORP (mV)	Turbidity	DTW	Ferrous iron	Comments/
1	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	рН 6.28	ORP (mV)	Turbidity	DTW	Ferrous iron	Comments/
1 2	Temp (°F/°C) 17.6	Cond. (uS/cm) 471.2 471.6	D.O. (mg/L) 0.83	pH 6.28 6.28	ORP (mV) -39.5	Turbidity	DTW	Ferrous iron	Comments/
1 2 3 4	Temp (°F/°C) 17.6 17.6 17.5	Cond. (uS/cm) 471.2 471.6 471.9 472.0	D.O. (mg/L) 0.83 0.80 1.03	pH 6.28 6.28 6.28 6.28	ORP (mV) -39.5 -39.5 -39.4 -39.8	Turbidity (NTU)	DTW	Ferrous iron	Comments/
1 2 3	Temp (°F/°C) 17.6 17.6	Cond. (uS/cm) 471.2 471.6 471.9	D.O. (mg/L) 0.83 0.80	pH 6.28 6.28 6.28	ORP (mV) -39.5 -39.5	Turbidity	DTW	Ferrous iron	Comments/
1 2 3 4	Temp (°F/°C) 17.6 17.6 17.5 17.5	Cond. (uS/cm) 471.2 471.6 471.9 472.0 471.7	D.O. (mg/L) 0.83 0.80 1.03 0.96 0.91	6.28 6.28 6.28 6.28 6.28	ORP (mV) -39.5 -39.5 -39.4 -39.8 -39.6	Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	Comments/
1 2 3 4 Average:	Temp (°F/°C) 17.6 17.6 17.5 17.5 17.6	Cond. (uS/cm) 471.2 471.6 471.9 472.0 471.7	D.O. (mg/L) 0.83 0.80 1.03 0.96 0.91	6.28 6.28 6.28 6.28 6.28 6.28	ORP (mV) -39.5 -39.5 -39.4 -39.8 -39.6 TYPE (Circle ap	Turbidity (NTU) #DIV/0!	DTW (ft)	Ferrous iron (Fe II)	Comments/
1 2 3 4 Average:	Temp (°F/°C) 17.6 17.6 17.5 17.5 17.6 (8260) (8010 (8270D) (PA	Cond. (uS/cm) 471.2 471.6 471.9 472.0 471.7 NALYSIS AL (D) (8020) (N	D.O. (mg/L) 0.83 0.80 1.03 0.96 0.91 LOWED PE WTPH-G) (F-D) (NWTP	6.28 6.28 6.28 6.28 6.28 6.28 R BOTTLE NWTPH-Gx PH-Dx) (TPF	ORP (mV) -39.5 -39.5 -39.4 -39.8 -39.6 TYPE (Circle aportion (Circle	#DIV/0!	DTW (ft) non-standard a	Ferrous iron (Fe II) nalysis below) WA WA WA	Comments/ Observations
1 2 3 4 Average:	Temp (°F/°C) 17.6 17.6 17.5 17.5 17.6 (8260) (8010 (8270D) (PA	Cond. (uS/cm) 471.2 471.6 471.9 472.0 471.7 NALYSIS AL (D) (8020) (N	D.O. (mg/L) 0.83 0.80 1.03 0.96 0.91 LOWED PE WTPH-G) (F-D) (NWTP	6.28 6.28 6.28 6.28 6.28 6.28 R BOTTLE NWTPH-Gx PH-Dx) (TPF	ORP (mV) -39.5 -39.5 -39.4 -39.8 -39.6 TYPE (Circle aportion (Circle	Turbidity (NTU) #DIV/0! pplicable or write	DTW (ft) non-standard a	Ferrous iron (Fe II) nalysis below) WA WA WA	Comments/ Observations
1 2 3 4 Average:	Temp (°F/°C) 17.6 17.6 17.5 17.5 17.6 (8260) (8010 (8270D) (PA (pH) (Condu	Cond. (uS/cm) 471.2 471.6 471.9 472.0 471.7 NALYSIS AL (b) (8020) (N (c) (NWTPH (c) (inclinity) (TDS)	D.O. (mg/L) 0.83 0.80 1.03 0.96 0.91 LOWED PE WTPH-G) (-D) (NWTP 6) (TSS) (B	6.28 6.28 6.28 6.28 6.28 6.28 REPUBLIES NOT LE NOT PHON (TPHON) (TPHON) (TPHON) (TPHON) (Turbic Not purple)	ORP (mV) -39.5 -39.5 -39.4 -39.8 -39.6 TYPE (Circle aportion (Circle	#DIV/0! #DIV/0! plicable or write (8141) (Oil & G (HCO3/CO3) (0	DTW (ft) non-standard a	Ferrous iron (Fe II) nalysis below) WA WA WA	Comments/ Observations
1 2 3 4 Average:	Temp (°F/°C) 17.6 17.6 17.5 17.5 17.6 (8260) (8010 (8270D) (PA (pH) (Condu	Cond. (uS/cm) 471.2 471.6 471.9 472.0 471.7 NALYSIS AL (b) (8020) (N (c) (NWTPH (c) (inclinity) (TDS)	D.O. (mg/L) 0.83 0.80 1.03 0.96 0.91 LOWED PE WTPH-G) ((F-D) (NWTP	6.28 6.28 6.28 6.28 6.28 6.28 CR BOTTLE NWTPH-Gx PH-Dx) (TPF	ORP (mV) -39.5 -39.5 -39.4 -39.8 -39.6 TYPE (Circle ap (BTEX) I-HCID) (8081) dity) (Alkalinity)	#DIV/0! #DIV/0! plicable or write (8141) (Oil & G (HCO3/CO3) (0	DTW (ft) non-standard a	Ferrous iron (Fe II) nalysis below) WA WA WA	Comments/ Observations
1 2 3 4 Average:	Temp (°F/°C) 17.6 17.6 17.5 17.5 17.6 (*TYPICAL A (8260) (8010) (PA) (COD) (TOO (Total Cyanida)	Cond. (uS/cm) 471.2 471.6 471.9 472.0 471.7 NALYSIS AL (D) (8020) (N (AH) (NWTPH (activity) (TDS (C) (Total PO4 (e) (WAD Cy.	D.O. (mg/L) 0.83 0.80 1.03 0.96 0.91 LOWED PE WTPH-G) (NWTP G) (TSS) (B o) (Total Kie anide) (Free	6.28 6.28 6.28 6.28 6.28 6.28 CR BOTTLE NWTPH-GX PH-DX) (TPF OD) (Turbid dahl Nitroger Cyanide)	ORP (mV) -39.5 -39.5 -39.4 -39.8 -39.6 TYPE (Circle ap (BTEX) I-HCID) (8081) dity) (Alkalinity) (i) (NH3) (NO3/	#DIV/0! #DIV/0! plicable or write (8141) (Oil & G (HCO3/CO3) (0	non-standard a	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
1 2 3 4 Average:	Temp (°F/°C) 17.6 17.6 17.5 17.5 17.6 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Tod Cyanid (Total Cyanid	Cond. (uS/cm) 471.2 471.6 471.9 472.0 471.7 NALYSIS AL (D) (8020) (N AH) (NWTPH (activity) (TDS (C) (Total PO4 (de) (WAD Cyc (de) (As) (Sb) (I	D.O. (mg/L) 0.83 0.80 1.03 0.96 0.91 LOWED PE WTPH-G) (-D) (NWTP G) (TSS) (B c) (Total Kie anide) (Free Ba) (Be) (Ca	6.28 6.28 6.28 6.28 6.28 CR BOTTLE NWTPH-GX H-Dx) (TPF OD) (Turbic dahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -39.5 -39.5 -39.4 -39.8 -39.6 TYPE (Circle aportion of the content	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G (HCO3/CO3) (G NO2)	non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA 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 GR OR OR OR OR OR OR OR OR OR O
1 2 3 4 Average:	Temp (°F/°C) 17.6 17.6 17.5 17.5 17.6 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Tod Cyanid (Total Cyanid	Cond. (uS/cm) 471.2 471.6 471.9 472.0 471.7 NALYSIS AL (b) (8020) (N (c) (NWTPH (ctivity) (TDS) (C) (Total PO4 (de) (WAD Cy: (de) (As) (Sb) (I (etals) (As) (Sb)	D.O. (mg/L) 0.83 0.80 1.03 0.96 0.91 LOWED PE WTPH-G) (-D) (NWTP G) (TSS) (B c) (Total Kie anide) (Free Ba) (Be) (Ca	6.28 6.28 6.28 6.28 6.28 CR BOTTLE NWTPH-GX H-Dx) (TPF OD) (Turbic dahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -39.5 -39.5 -39.4 -39.8 -39.6 TYPE (Circle aportion of the content	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G (HCO3/CO3) (G NO2)	non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA 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 GR OR OR OR OR OR OR OR OR OR O
1 2 3 4 Average:	Temp (°F/°C) 17.6 17.6 17.5 17.5 17.6 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (TOO (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 471.2 471.6 471.9 472.0 471.7 NALYSIS AL (b) (8020) (N (c) (NWTPH (ctivity) (TDS) (C) (Total PO4 (de) (WAD Cy: (de) (As) (Sb) (I (etals) (As) (Sb)	D.O. (mg/L) 0.83 0.80 1.03 0.96 0.91 LOWED PE WTPH-G) (R-D) (NWTP G) (TSS) (Be) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca)	6.28 6.28 6.28 6.28 6.28 CR BOTTLE NWTPH-GX H-Dx) (TPF OD) (Turbic dahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -39.5 -39.5 -39.4 -39.8 -39.6 TYPE (Circle aportion of the content	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G (HCO3/CO3) (G NO2)	non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA 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 GR OR OR OR OR OR OR OR OR OR O
1 2 3 4 Average:	Temp (°F/°C) 17.6 17.6 17.5 17.5 17.6 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (TOO (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 471.2 471.6 471.9 472.0 471.7 NALYSIS AL (D) (8020) (N AH) (NWTPH (ctivity) (TDS) (C) (Total PO4 (e) (WAD Cyc.) (As) (Sb) (I (etals) (As) (Sb (g short list)	D.O. (mg/L) 0.83 0.80 1.03 0.96 0.91 LOWED PE WTPH-G) (R-D) (NWTP G) (TSS) (Be) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca)	6.28 6.28 6.28 6.28 6.28 CR BOTTLE NWTPH-GX H-Dx) (TPF OD) (Turbic dahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -39.5 -39.5 -39.4 -39.8 -39.6 TYPE (Circle aportion of the content	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G (HCO3/CO3) (G NO2)	non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA 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 GR OR OR OR OR OR OR OR OR OR O
1 2 3 4 Average:	Temp (°F/°C) 17.6 17.6 17.5 17.5 17.6 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (TOO (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 471.2 471.6 471.9 472.0 471.7 NALYSIS AL (D) (8020) (N AH) (NWTPH (ctivity) (TDS) (C) (Total PO4 (e) (WAD Cyc.) (As) (Sb) (I (etals) (As) (Sb (g short list)	D.O. (mg/L) 0.83 0.80 1.03 0.96 0.91 LOWED PE WTPH-G) (R-D) (NWTP G) (TSS) (Be) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca)	6.28 6.28 6.28 6.28 6.28 CR BOTTLE NWTPH-GX H-Dx) (TPF OD) (Turbic dahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -39.5 -39.5 -39.4 -39.8 -39.6 TYPE (Circle aportion of the content	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G (HCO3/CO3) (G NO2)	non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA 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 GR OR OR OR OR OR OR OR OR OR O
1 2 3 4 Average:	Temp (°F/°C) 17.6 17.6 17.5 17.5 17.6 TYPICAL A (8260) (8010 (8270D) (PA (COD) (TOO (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 471.2 471.6 471.9 472.0 471.7 NALYSIS AL (D) (8020) (N AH) (NWTPH (ctivity) (TDS) (C) (Total PO4 (e) (WAD Cyc.) (As) (Sb) (I (etals) (As) (Sb (g short list)	D.O. (mg/L) 0.83 0.80 1.03 0.96 0.91 LOWED PE WTPH-G) (R-D) (NWTP G) (TSS) (Be) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca)	6.28 6.28 6.28 6.28 6.28 CR BOTTLE NWTPH-GX H-Dx) (TPF OD) (Turbic dahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -39.5 -39.5 -39.4 -39.8 -39.6 TYPE (Circle aportion of the content	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G (HCO3/CO3) (G NO2)	non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA 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
1 2 3 4 Average:	Temp (°F/°C) 17.6 17.6 17.5 17.5 17.6 (8260) (8010 (8270D) (PA (pH) (Condu (COD) (TOO (Total Cyanid (Total Metals (Dissolved M VOC (Boein	Cond. (uS/cm) 471.2 471.6 471.9 472.0 471.7 NALYSIS AL (D) (8020) (N AH) (NWTPH (ctivity) (TDS) (C) (Total PO4 (e) (WAD Cyc.) (As) (Sb) (I (etals) (As) (Sb (g short list)	D.O. (mg/L) 0.83 0.80 1.03 0.96 0.91 LOWED PE WTPH-G) (R-D) (NWTP G) (TSS) (Be) (Total Kie anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca)	6.28 6.28 6.28 6.28 6.28 CR BOTTLE NWTPH-GX H-Dx) (TPF OD) (Turbic dahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -39.5 -39.5 -39.4 -39.8 -39.6 TYPE (Circle aportion of the content	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G (HCO3/CO3) (G NO2)	non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA 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 GR OR OR OR OR OR OR OR OR OR O
1 2 3 4 Average:	Temp (°F/°C) 17.6 17.6 17.5 17.5 17.6 TYPICAL A (8260) (8010 (8270D) (PA (COD) (TOO (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 471.2 471.6 471.9 472.0 471.7 NALYSIS AL (D) (8020) (N AH) (NWTPH (ctivity) (TDS) (C) (Total PO4 (e) (WAD Cyc.) (As) (Sb) (I (etals) (As) (Sb (g short list)	D.O. (mg/L) 0.83 0.80 1.03 0.96 0.91 LOWED PE WTPH-G) (NWTP G) (TSS) (B G) (Total Kieler anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca) (Ba) (Be) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca	6.28 6.28 6.28 6.28 6.28 CR BOTTLE NWTPH-GX H-Dx) (TPF OD) (Turbic dahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -39.5 -39.5 -39.4 -39.8 -39.6 TYPE (Circle aportion of the content	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G (HCO3/CO3) (G NO2)	non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA 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 GR OR OR OR OR OR OR OR OR OR O
1 2 3 4 Average: QUANTITY 7 2	Temp (°F/°C) 17.6 17.6 17.5 17.5 17.6 TYPICAL A (8260) (8010 (8270D) (PA (COD) (TOO (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 471.2 471.6 471.9 472.0 471.7 NALYSIS AL (D) (8020) (N MH) (NWTPH (activity) (TDS) (C) (Total PO4 (e) (WAD Cyc.) (As) (Sb) (I (etals) (As) (Sb (g short list) (ane Ethene Act	D.O. (mg/L) 0.83 0.80 1.03 0.96 0.91 LOWED PE WTPH-G) (NWTP G) (TSS) (B G) (Total Kieler anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca) (Ba) (Be) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca	6.28 6.28 6.28 6.28 6.28 CR BOTTLE NWTPH-GX H-Dx) (TPF OD) (Turbic dahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -39.5 -39.5 -39.4 -39.8 -39.6 TYPE (Circle aportion of the content	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G (HCO3/CO3) (G NO2)	non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA 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 GR OR OR OR OR OR OR OR OR OR O
1 2 3 4 Average: QUANTITY 7 2 Duplicate Sa:	Temp (°F/°C) 17.6 17.6 17.5 17.5 17.6 TYPICAL A (8260) (8010 (8270D) (PA (COD) (TOO (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	Cond. (uS/cm) 471.2 471.6 471.9 472.0 471.7 NALYSIS AL (D) (8020) (N MH) (NWTPH (activity) (TDS) (C) (Total PO4 (e) (WAD Cyc.) (As) (Sb) (I (etals) (As) (Sb (g short list) (ane Ethene Act	D.O. (mg/L) 0.83 0.80 1.03 0.96 0.91 LOWED PE WTPH-G) (NWTP G) (TSS) (B G) (Total Kieler anide) (Free Ba) (Be) (Ca) (Ba) (Be) (Ca) (Ba) (Be) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca	6.28 6.28 6.28 6.28 6.28 CR BOTTLE NWTPH-GX H-Dx) (TPF OD) (Turbic dahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -39.5 -39.5 -39.4 -39.8 -39.6 TYPE (Circle aportion of the content	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G. (HCO3/CO3) (G. NO2) Pb) (Mg) (Mn) (Ni) (D) (Mg) (Mn) (Ni)	non-standard a rease) Cl) (SO4) (NO	Ferrous iron (Fe II) nalysis below) WA WA WA O O O O O O O O O O O O O O O O O O O	Comments/ Observations OR OR OR GR OR OR OR OR OR OR OR OR OR O



Project Name	e <u>:</u>	Boeing Ren	nton		Project Number	r <u>:</u>	0025217.099.0	99	
Event:		May-20			Date/Time:	05/ 12 /2020@			
Sample Num	ıber:	RGW263S	- 200512		Weather:	partly cloudy, 50)s		
Landau Repr	esentative:	BXM							
WATER LEV	'EL/WELL/PU	JRGE DATA							
Well Conditio	n:	Secure (YES	S)	Damaged (N	IO)	Describe:	Flush Mount		
DTW Before	Purging (ft)	6.28	Time:	835	Flow through cel	l vol.		GW Meter No.(s)
Begin Purge:				End Purge:	_	05/ /2020 @	•	Gallons Purged:	,
Purge water d	isposed to:		55-gal Drum	_	Storage Tank	Ground		SITE TREATM	ENT SYSTEM
	, mr	G 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	· /	lings within the fo	. ,	>/= 1 flow	
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
							- <u></u>		
					-				
					-				
SAMPLE CO	LLECTION D	DATA							
Sample Collec	cted With:		Bailer		Pump/Pump Type				
Made of:		Stainless Ste	eel 🔲	PVC	Teflon	Polyethylene	Other	Dedicated	
Decon Proced	ure:	Alconox Wa	ısh 🗖	Tap Rinse	DI Water	Dedicated	_	_	
(By Numerica			-	•	₩				
(Dy Ivamerica	l Order)	Other							
•		Other	r, sheen, etc.):						
Sample Descr		_	r, sheen, etc.):						
•		_	D.O. (mg/L)	pН	ORP (mV)	Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	Comments/ Observations
Sample Descr	iption (color, t	turbidity, odo:	D.O.			•			
Sample Descr Replicate	iption (color, t	turbidity, odo:	D.O.			•			
Replicate 1 2	iption (color, t	turbidity, odo:	D.O.			•			
Replicate 1 2 3	iption (color, t	turbidity, odo:	D.O.			•			
Replicate 1 2 3 4	Temp (°F/°C)	Cond. (uS/cm)	D.O. (mg/L)	pH	(mV)	(NTU)			
Replicate 1 2 3	iption (color, t	turbidity, odo:	D.O.			•			
Replicate 1 2 3 4	Temp (°F/°C) #DIV/0!	Cond. (uS/cm) #DIV/0!	D.O. (mg/L) #DIV/0!	pH#DIV/0!	(mV) 	(NTU)	(ft)	(Fe II)	
Replicate 1 2 3 4 Average:	#DIV/0! TYPICAL A (8260) (8010)	#DIV/0! NALYSIS A () (8020) (1	#DIV/0!	#DIV/0! ER BOTTLE (NWTPH-GX	#DIV/0! TYPE (Circle ap) (BTEX)	#DIV/0!	(ft)	(Fe II)	Observations OR OR
Replicate 1 2 3 4 Average:	#DIV/0! TYPICAL A (8260) (8010) (8270D) (PA	#DIV/0! NALYSIS A (H) (NWTP)	#DIV/0! LLOWED PP NWTPH-G) (H-D) (NWTF	#DIV/0! ER BOTTLE (NWTPH-Gx PH-Dx) (TPF	#DIV/0! TYPE (Circle ap.) (BTEX) H-HCID) (8081)	#DIV/0! pplicable or write (8141) (Oil & G	non-standard an	nalysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average:	#DIV/0! TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu	#DIV/0! NALYSIS A (0) (8020) (I (NWTP) (ICIVICITY) (TD	#DIV/0! LLOWED PENWTPH-G) (NWTPH-G) (NWTPH-G) (NWTPH-G) (S) (TSS) (E)	#DIV/0! ER BOTTLE (NWTPH-Gx PH-Dx) (TPH BOD) (Turbi	#DIV/0! TYPE (Circle ap) (BTEX) H-HCID) (8081) dity) (Alkalinity)	#DIV/0! pplicable or write (8141) (Oil & G	non-standard an	nalysis below) WA WA WA	Observations OR OR
Replicate 1 2 3 4 Average:	#DIV/0! TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu	#DIV/0! NALYSIS A D) (8020) (I SH) (NWTP) Intervity) (TD	#DIV/0! LLOWED PENWTPH-G) (NWTPH-S) (TSS) (E) (Total Kie	#DIV/0! ER BOTTLE (NWTPH-Gx PH-Dx) (TPH BOD) (Turbi	#DIV/0! TYPE (Circle ap.) (BTEX) H-HCID) (8081)	#DIV/0! pplicable or write (8141) (Oil & G	non-standard an	nalysis below) WA WA WA	Observations OR OR
Replicate 1 2 3 4 Average:	#DIV/0! #TYPICAL A (8260) (8010 (8270D) (PA (COD) (TOO	#DIV/0! **NALYSIS A **O) (8020) (I **OH) (NWTP: **Intrivity) (TD C) (Total PO **le) (WAD C)	#DIV/0! #DIV/0! LLOWED PENWTPH-G) (NWTPH-S) (TSS) (E) (Total Kiesyanide) (Free	#DIV/0! ER BOTTLE (NWTPH-Gx PH-Dx) (TPH BOD) (Turbi edahl Nitroger Cyanide)	#DIV/0! TYPE (Circle ap.) (BTEX) H-HCID) (8081) dity) (Alkalinity) n) (NH3) (NO3/	#DIV/0! #DIV/0! pplicable or write (8141) (Oil & G (HCO3/CO3) (6	non-standard and rease) CI) (SO4) (NO	malysis below) WA WA WA ON ONE OF ONE OF OF ONE OF	Observations OR OR OR OR
Replicate 1 2 3 4 Average:	#DIV/0! #VPICAL A (8260) (8010 (8270D) (PA (PH) (Condu (COD) (Total Cyanid (Total Metals	#DIV/0! **RALYSIS A **DO (8020) (I **CH) (NWTP: **Intervity) (TD **CC) (Total PO **Let (WAD C) **DO (As) (Sb) (Sb) (Sb) (Sb) (Sb) (Sb) (Sb) (Sb	#DIV/0! #DIV/0! LLOWED PHOWTPH-G) (NWTPH-G) (TSS) (ES) (TSS) (ES) (4) (Total Kiesyanide) (Free (Ba) (Be) (Ca)	#DIV/0! ER BOTTLE (NWTPH-Gx PH-Dx) (TPF BOD) (Turbi edahl Nitrogen e Cyanide) a) (Cd) (Co)	#DIV/0! TYPE (Circle application of the content of	#DIV/0! pplicable or write (8141) (Oil & G (HCO3/CO3) (6 NO2)	non-standard and rease) CI) (SO4) (NO	(Fe II) nalysis below) WA WA ON ONE OF ONE OF OF ONE OF	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	#DIV/0! #TYPICAL A (8260) (8010 (8270D) (PA (PH) (Condu (COD) (TOG (Total Cyanic) (Total Metals (Dissolved M	#DIV/0! **NALYSIS A **D) (8020) (1 **AH) (NWTP: **nctivity) (TD C) (Total PO **le) (WAD C) **) (As) (Sb) (etals) (As) (S	#DIV/0! #DIV/0! LLOWED PHOWTPH-G) (NWTPH-G) (TSS) (ES) (TSS) (ES) (4) (Total Kiesyanide) (Free (Ba) (Be) (Ca)	#DIV/0! ER BOTTLE (NWTPH-Gx PH-Dx) (TPF BOD) (Turbi edahl Nitrogen e Cyanide) a) (Cd) (Co)	#DIV/0! TYPE (Circle application of the content of	#DIV/0! pplicable or write (8141) (Oil & G (HCO3/CO3) (6 NO2)	non-standard and rease) CI) (SO4) (NO	(Fe II) nalysis below) WA WA ON ONE OF ONE OF OF ONE OF	Observations OR OR OR OR
Replicate 1 2 3 4 Average:	#DIV/0! TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	#DIV/0! **NALYSIS A **O) (8020) (I **OH) (NWTP) **Inctivity) (TD **C) (Total PO **le) (WAD C) **O (As) (Sb) (etals) (As) (S **g short list)	#DIV/0! LLOWED PENWTPH-G) (MH-D) (NWTENWTPH-G) (MH-D) (NWTPH-G) (MH-D) (NWTPH-G) (MH-D) (NWTPH-G) (MH-D) (NWTPH-G) (MH-D) (MH-D	#DIV/0! ER BOTTLE (NWTPH-Gx PH-Dx) (TPF BOD) (Turbi edahl Nitrogen e Cyanide) a) (Cd) (Co)	#DIV/0! TYPE (Circle application) (BTEX) H-HCID) (8081) dity) (Alkalinity) n) (NH3) (NO3/	#DIV/0! pplicable or write (8141) (Oil & G (HCO3/CO3) (6 NO2)	non-standard and rease) CI) (SO4) (NO	(Fe II) nalysis below) WA WA ON ONE OF ONE OF OF ONE OF	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	#DIV/0! TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	#DIV/0! **NALYSIS A **D) (8020) (1 **AH) (NWTP: **nctivity) (TD C) (Total PO **le) (WAD C) **) (As) (Sb) (etals) (As) (S	#DIV/0! LLOWED PENWTPH-G) (MH-D) (NWTENWTPH-G) (MH-D) (NWTPH-G) (MH-D) (NWTPH-G) (MH-D) (NWTPH-G) (MH-D) (NWTPH-G) (MH-D) (MH-D	#DIV/0! ER BOTTLE (NWTPH-Gx PH-Dx) (TPF BOD) (Turbi edahl Nitrogen e Cyanide) a) (Cd) (Co)	#DIV/0! TYPE (Circle application) (BTEX) H-HCID) (8081) dity) (Alkalinity) n) (NH3) (NO3/	#DIV/0! pplicable or write (8141) (Oil & G (HCO3/CO3) (6 NO2)	non-standard and rease) CI) (SO4) (NO	(Fe II) nalysis below) WA WA ON ONE OF ONE OF OF ONE OF	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	#DIV/0! TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	#DIV/0! **NALYSIS A **O) (8020) (I **OH) (NWTP) **Inctivity) (TD **C) (Total PO **le) (WAD C) **O (As) (Sb) (etals) (As) (S **g short list)	#DIV/0! LLOWED PENWTPH-G) (MH-D) (NWTENWTPH-G) (MH-D) (NWTPH-G) (MH-D) (NWTPH-G) (MH-D) (NWTPH-G) (MH-D) (NWTPH-G) (MH-D) (MH-D	#DIV/0! ER BOTTLE (NWTPH-Gx PH-Dx) (TPF BOD) (Turbi edahl Nitrogen e Cyanide) a) (Cd) (Co)	#DIV/0! TYPE (Circle application) (BTEX) H-HCID) (8081) dity) (Alkalinity) n) (NH3) (NO3/	#DIV/0! pplicable or write (8141) (Oil & G (HCO3/CO3) (6 NO2)	non-standard and rease) CI) (SO4) (NO	(Fe II) nalysis below) WA WA ON ONE OF ONE OF OF ONE OF	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	#DIV/0! TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein	#DIV/0! **NALYSIS A **O) (8020) (I **OH) (NWTP) **Inctivity) (TD **C) (Total PO **le) (WAD C) **O (As) (Sb) (etals) (As) (S **g short list)	#DIV/0! LLOWED PENWTPH-G) (MH-D) (NWTENWTPH-G) (MH-D) (NWTPH-G) (MH-D) (NWTPH-G) (MH-D) (NWTPH-G) (MH-D) (NWTPH-G) (MH-D) (MH-D	#DIV/0! ER BOTTLE (NWTPH-Gx PH-Dx) (TPF BOD) (Turbi edahl Nitrogen e Cyanide) a) (Cd) (Co)	#DIV/0! TYPE (Circle application) (BTEX) H-HCID) (8081) dity) (Alkalinity) n) (NH3) (NO3/	#DIV/0! pplicable or write (8141) (Oil & G (HCO3/CO3) (6 NO2)	non-standard and rease) CI) (SO4) (NO	(Fe II) nalysis below) WA WA ON ONE OF ONE OF OF ONE OF	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	#DIV/0! #DIV/0! TYPICAL A (8260) (8010 (8270D) (PA (PH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	#DIV/0! **NALYSIS A **O) (8020) (I **OH) (NWTP) **Inctivity) (TD **C) (Total PO **le) (WAD C) **O (As) (Sb) (etals) (As) (S **g short list)	#DIV/0! LLOWED PENWTPH-G) (MH-D) (NWTENWTPH-G) (MH-D) (NWTPH-G) (MH-D) (NWTPH-G) (MH-D) (NWTPH-G) (MH-D) (NWTPH-G) (MH-D) (MH-D	#DIV/0! ER BOTTLE (NWTPH-Gx PH-Dx) (TPF BOD) (Turbi edahl Nitrogen e Cyanide) a) (Cd) (Co)	#DIV/0! TYPE (Circle application) (BTEX) H-HCID) (8081) dity) (Alkalinity) n) (NH3) (NO3/	#DIV/0! pplicable or write (8141) (Oil & G (HCO3/CO3) (6 NO2)	non-standard and rease) CI) (SO4) (NO	(Fe II) nalysis below) WA WA ON ONE OF ONE OF OF ONE OF	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average: QUANTITY	#DIV/0! #DIV/0! TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	#DIV/0! **NALYSIS A **O) (8020) (I **OH) (NWTP) **Inctivity) (TD **C) (Total PO **le) (WAD C) **O (As) (Sb) (etals) (As) (S **g short list)	#DIV/0! LLOWED PENWTPH-G) (MH-D) (NWTENWTPH-G) (MH-D) (NWTPH-G) (MH-D) (NWTPH-G) (MH-D) (NWTPH-G) (MH-D) (NWTPH-G) (MH-D) (MH-D	#DIV/0! ER BOTTLE (NWTPH-Gx PH-Dx) (TPF BOD) (Turbi edahl Nitrogen e Cyanide) a) (Cd) (Co)	#DIV/0! TYPE (Circle application) (BTEX) H-HCID) (8081) dity) (Alkalinity) n) (NH3) (NO3/	#DIV/0! pplicable or write (8141) (Oil & G (HCO3/CO3) (6 NO2)	non-standard and rease) CI) (SO4) (NO	(Fe II) nalysis below) WA WA ON ONE OF ONE OF OF ONE OF	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	#DIV/0! #DIV/0! TYPICAL A (8260) (8010 (8270D) (PA (PH) (Condu (COD) (Total Cyanid (Total Metals (Dissolved M VOC (Boein Methane Eth	#DIV/0! **NALYSIS A **O) (8020) (I **OH) (NWTP) **Inctivity) (TD **C) (Total PO **le) (WAD C) **O (As) (Sb) (etals) (As) (S **g short list)	#DIV/0! LLOWED PENWTPH-G) (MH-D) (NWTENWTPH-G) (MH-D) (NWTPH-G) (MH-D) (NWTPH-G) (MH-D) (NWTPH-G) (MH-D) (NWTPH-G) (MH-D) (MH-D	#DIV/0! ER BOTTLE (NWTPH-Gx PH-Dx) (TPF BOD) (Turbi edahl Nitrogen e Cyanide) a) (Cd) (Co)	#DIV/0! TYPE (Circle application) (BTEX) H-HCID) (8081) dity) (Alkalinity) n) (NH3) (NO3/	#DIV/0! pplicable or write (8141) (Oil & G (HCO3/CO3) (6 NO2)	non-standard and rease) CI) (SO4) (NO	(Fe II) nalysis below) WA WA ON ONE OF ONE OF OF ONE OF	Observations OR OR OR OR OR OR OR OR OR OR



	e:	Boeing Ren	ton		Project Number	:	0025217.099.0	99	
Event:		May-20		_	Date/Time:	05/ 12 /2020@	915		
Sample Nun	nber:	RGW264S-	200512		Weather:	OVERCAST, H	IGH 50S		
Landau Repi	resentative:	BXM			_	•			
WATER LEX	/EL/WELL/PU	IDCE DATA							
			`	D 101	0)	ъ 1	El 1 M		
Well Condition		Secure (YES	<i></i>	Damaged (N			Flush Mount		
DTW Before	0 0 0	4.22	Time:	842	Flow through cel	l vol.		GW Meter No.(s	
Begin Purge:	Date/Time:	05/ 12 /2020	0 @ 845	End Purge:	Date/Time:	05/ 12 /2020 @ 9	908	Gallons Purged:	< 1
Purge water d	isposed 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
				ers for three		ings within the fo		>/= 1 flow	
	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 units	+/- 10 mV	+/- 10%	< 0.3 ft	through cell	
848	16.0	661	0.60	6.06	-49.2		4.90		
851	16.0	646	0.68	6.02	-51.9		5.10		
	· ———								
854	16.3	636	0.84	6.04	-54.4		5.17		
857	16.8	634	1.11	6.08	-59.8		5.23		
900	17.0	644	1.39	6.10	-61.8		5.28		
903	16.8	660	1.50	6.10	-61.5		5.32		
906	16.8	662	1.56	6.11	-61.2		5.33		
700	10.0	002	1.50	0.11	-01.2		3.33		
CAN IDITE CO	LIECTION						·		
SAMPLE CO			D. 1		D /D T	DEDICTALTIC			
Sample Collec	cted with:	_	Bailer		Pump/Pump Type			D D P · · · I	
Made of:	!	Stainless Ste	_	PVC	Teflon	Polyethylene	Other	Dedicated	
		A 1 XX7 .	1	T D		D 1' (1			
Decon Proced	iure:	Alconox Wa	sn 📋	Tap Rinse	DI Water	Dedicated			
Decon Proced (By Numerica)	_	Other	sh 📋	Tap Kinse	DI Water	Dedicated			
(By Numerica	el Order)	Other			<u>—</u>	TINT, NO ODOR,	NO SHEEN, EF	FERVESCENT	
(By Numerical Sample Description	il Order)	Other curbidity, odor	, sheen, etc.):	CLEAR, SL	GHT YELLOW 1	TINT, NO ODOR,			
(By Numerica	al Order) ription (color, t	Other curbidity, odor	, sheen, etc.):		GHT YELLOW 1	TINT, NO ODOR, Turbidity	DTW	Ferrous iron	Comments/
(By Numerical Sample Descr Replicate	ription (color, t Temp (°F/°C)	Other curbidity, odor Cond. (uS/cm)	D.O. (mg/L)	CLEAR, SL	ORP (mV)	TINT, NO ODOR,			Comments/ Observations
(By Numerical Sample Described Replicate	ription (color, t Temp (°F/°C) 16.8	Cond. (uS/cm)	D.O. (mg/L)	CLEAR, SL	ORP (mV)	TINT, NO ODOR, Turbidity	DTW	Ferrous iron	
(By Numerical Sample Descr Replicate	ription (color, t Temp (°F/°C)	Other curbidity, odor Cond. (uS/cm)	D.O. (mg/L)	CLEAR, SL	ORP (mV)	TINT, NO ODOR, Turbidity	DTW	Ferrous iron	
(By Numerical Sample Described Replicate	ription (color, t Temp (°F/°C) 16.8	Cond. (uS/cm)	D.O. (mg/L)	CLEAR, SL	ORP (mV)	TINT, NO ODOR, Turbidity	DTW	Ferrous iron	
(By Numerical Sample Described Replicate 1 2	Temp (°F/°C) 16.8	Cond. (uS/cm) 661	D.O. (mg/L) 1.56	CLEAR, SL pH 6.12 6.12	ORP (mV) -61.0 -61.3	TINT, NO ODOR, Turbidity	DTW	Ferrous iron	
(By Numerical Sample Described Properties 1 2 3 4	Temp (°F/°C) 16.8 16.9 17.1	Cond. (uS/cm) 661 662 666	D.O. (mg/L) 1.56 1.56 1.56	CLEAR, SL pH 6.12 6.12 6.12 6.12	ORP (mV) -61.0 -61.3 -61.5	Turbidity (NTU)	DTW	Ferrous iron	
(By Numerical Sample Described Properties 1	Temp (°F/°C) 16.8 16.9 17.1 16.9	Cond. (uS/cm) 661 662 666 667	D.O. (mg/L) 1.56 1.56 1.55 1.55	CLEAR, SL pH 6.12 6.12 6.12 6.12 6.12 6.12	ORP (mV) -61.0 -61.3 -61.3 -61.3 -61.3	Turbidity (NTU) #DIV/0!	DTW (ft)	Ferrous iron (Fe II)	
(By Numerical Sample Described Properties 1	Temp (°F/°C) 16.8 16.9 17.1 16.9 TYPICAL A	Cond. (uS/cm) 661 662 666 667 664	D.O. (mg/L) 1.56 1.56 1.55 1.56 LOWED PE	CLEAR, SL pH 6.12 6.12 6.12 6.12 6.12 6.12 6.12	ORP (mV) -61.0 -61.3 -61.3 -61.3 TYPE (Circle ap	Turbidity (NTU)	DTW (ft)	Ferrous iron (Fe II)	
Replicate 1 2 3 4 Average:	Temp (°F/°C) 16.8 16.9 17.1 16.9 TYPICAL A (8260) (8010	Cond. (uS/cm) 661 662 666 667 664 NALYSIS AI 0) (8020) (N	D.O. (mg/L) 1.56 1.56 1.56 1.56 1.56 1.56 1.56	CLEAR, SL pH 6.12 6.12 6.12 6.12 6.12 CR BOTTLE NWTPH-GX	ORP (mV) -61.0 -61.3 -61.3 -61.3 TYPE (Circle ap (BTEX)	Turbidity (NTU) #DIV/0!	DTW (ft)	Ferrous iron (Fe II) nalysis below) WA	Observations OR
(By Numerical Sample Description Replicate 1 2 3 4 Average:	Temp (°F/°C) 16.8 16.9 17.1 16.9 TYPICAL A (8260) (8010) (8270D) (PA	Cond. (uS/cm) 661 662 666 667 664 NALYSIS AI 0) (8020) (N	D.O. (mg/L) 1.56 1.56 1.55 1.56 LOWED PERMITTED (NWTPH-G) (NWTPH-G) (NWTPH-G)	CLEAR, SL PH 6.12 6.12 6.12 6.12 6.12 CR BOTTLE NWTPH-GX PH-Dx) (TPF	ORP (mV) -61.0 -61.3 -61.3 -61.3 TYPE (Circle ap (BTEX)	#DIV/0!	DTW (ft)	Ferrous iron (Fe II) malysis below) WA WA WA	Observations
Replicate 1 2 3 4 Average:	Temp (°F/°C) 16.8 16.9 17.1 16.9 TYPICAL A (8260) (8010) (8270D) (PA (pH) (Condu	Cond. (uS/cm) 661 662 666 667 664 NALYSIS AI ()) (8020) (N CH) (NWTPHetivity) (TD)	D.O. (mg/L) 1.56 1.56 1.55 1.56 LOWED PERMYPH-G) (M-D) (NWTP	CLEAR, SL pH 6.12 6.12 6.12 6.12 6.12 CR BOTTLE NWTPH-GX PH-Dx) (TPH-OD) (Turbic	ORP (mV) -61.0 -61.3 -61.5 -61.3 TYPE (Circle apple (BTEX) I-HCID) (8081) dity) (Alkalinity)	#DIV/0! plicable or write (8141) (Oil & Grand (HCO3/CO3) (Mark)	DTW (ft)	Ferrous iron (Fe II) malysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 16.8 16.9 16.9 17.1 16.9 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Conduction) (COD) (TOO)	Cond. (uS/cm) 661 662 666 667 664 NALYSIS AI (D) (8020) (N CH) (NWTPH (ctivity) (TD) (C) (Total PO-	D.O. (mg/L) 1.56 1.56 1.56 1.56 1.56 1.59 1.50	PH 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12	ORP (mV) -61.0 -61.3 -61.3 -61.3 TYPE (Circle ap (BTEX)	#DIV/0! plicable or write (8141) (Oil & Grand (HCO3/CO3) (Mark)	DTW (ft)	Ferrous iron (Fe II) malysis below) WA WA WA	Observations OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 16.8 16.9 17.1 16.9 TYPICAL A (8260) (8010) (8270D) (PA (pH) (Conduction) (COD) (TOC) (Total Cyanid	Cond. (uS/cm) 661 662 666 667 664 NALYSIS AI () (8020) (N AH) (NWTPHetivity) (TDS) (C) (Total PO-C) (e) (WAD Cy	D.O. (mg/L) 1.56 1.56 1.56 1.56 1.56 LOWED PE WTPH-G) (NWTP S) (TSS) (B 4) (Total Kie ranide) (Free	PH-Dx) (TPH-OD) (Turbidahl Nitroger Cyanide)	ORP (mV) -61.0 -61.3 -61.5 -61.3 -61.3 TYPE (Circle aportion (BTEX) I-HCID) (8081) dity) (Alkalinity) d) (NH3) (NO3/	#DIV/0! #DIV/0! plicable or write (8141) (Oil & G (HCO3/CO3) (O	DTW (ft) non-standard and rease) Cl) (SO4) (NC)	Ferrous iron (Fe II) malysis below) WA WA WA O WA WA	Observations OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 16.8 16.9 17.1 16.9 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Condu (COD) (Total Cyanid (Total Metals)	Other curbidity, odor cond. (uS/cm) 661 662 666 667 664 NALYSIS AI (0) (8020) (NaH) (NWTPH curtivity) (TD: curtivity) (TD: curtivity) (TD: curtivity) (TO: curtivity) (TO: curtivity) (AB) (WAD Cyc) (As) (Sb) (D.O. (mg/L) 1.56 1.56 1.56 1.56 1.56 1.56 1.56 1.56 1.57 1.58 LOWED PERIOR OF COMMENTED (Now The Comment of Co	CLEAR, SL pH 6.12 6.12 6.12 6.12 6.12 CR BOTTLE NWTPH-GX H-DX) (TPF COD) (Turbic dahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -61.0 -61.3 -61.5 -61.3 TYPE (Circle aportion (BTEX) I-HCID) (8081) dity) (Alkalinity) () (NH3) (NO3/	#DIV/0! #DIV/0! plicable or write (HCO3/CO3) (GNO2) Pb) (Mg) (Mn) (DTW (ft) non-standard and rease) Cl) (SO4) (NO	Ferrous iron (Fe II) malysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
Replicate 1 2 3 4 Average:	Temp (°F/°C) 16.8 16.9 16.9 17.1 16.9 TYPICAL A (8260) (8010 (8270D) (PA (pH) (Conduction (COD) (TOG) (Total Cyanid (Total Metals) (Dissolved M.	Cond. (uS/cm) 661 662 666 667 664 NALYSIS AI (D) (8020) (N CH) (NWTPH lectivity) (TDS (C) (Total PO- le) (WAD Cy () (As) (Sb) (letals) (As) (Sb) (D.O. (mg/L) 1.56 1.56 1.56 1.56 1.56 1.56 1.56 1.56 1.57 1.58 LOWED PERIOR OF COMMENTED (Now The Comment of Co	CLEAR, SL pH 6.12 6.12 6.12 6.12 6.12 CR BOTTLE NWTPH-GX H-DX) (TPF COD) (Turbic dahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -61.0 -61.3 -61.5 -61.3 TYPE (Circle aportion (BTEX) I-HCID) (8081) dity) (Alkalinity) () (NH3) (NO3/	#DIV/0! #DIV/0! plicable or write (HCO3/CO3) (GNO2) Pb) (Mg) (Mn) (DTW (ft) non-standard and rease) Cl) (SO4) (NO	Ferrous iron (Fe II) malysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR
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Replicate 1 2 3 4 Average:	Temp (°F/°C) 16.8 16.9 16.9 17.1 16.9 TYPICAL A (8260) (8010) (8270D) (PA (pH) (Conduction (COD) (TOG) (Total Cyanid) (Total Metals) (Dissolved M. VOC (Boein	Cond. (uS/cm) 661 662 666 667 664 NALYSIS AI (D) (8020) (N CH) (NWTPH lectivity) (TDS (C) (Total PO- le) (WAD Cy () (As) (Sb) (letals) (As) (Sb) (D.O. (mg/L) 1.56	CLEAR, SL pH 6.12 6.12 6.12 6.12 6.12 CR BOTTLE NWTPH-GX H-DX) (TPF COD) (Turbic dahl Nitroger Cyanide) () (Cd) (Co)	ORP (mV) -61.0 -61.3 -61.5 -61.3 TYPE (Circle aportion (BTEX) I-HCID) (8081) dity) (Alkalinity) () (NH3) (NO3/	#DIV/0! #DIV/0! plicable or write (HCO3/CO3) (GNO2) Pb) (Mg) (Mn) (DTW (ft) non-standard and rease) Cl) (SO4) (NO	Ferrous iron (Fe II) malysis below) WA WA O O O O O O O O O O O O O O O O O O O	Observations OR OR OR OR OR OR OR OR OR OR
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wood.

Appendix C



Memo

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

From: Chelsea Foster c: Project File

Tel: (206) 342-1760 Fax: (206) 342-1761 Date: June 26, 2020

Subject: Summary Data Quality Review

May 2020 Boeing Renton Groundwater Sampling

SWMU-172/174

ARI Group Number: 20E0097

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

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

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

Sample ID	Laboratory Sample ID	Requested Analyses
RGW232S-200511	20E0097-01	all
RGW232I-200511	20E0097-02	all
RGW236S-200511	20E0097-03	all
RGW235I-200511	20E0097-04	all
RGW081S-200511	20E0097-05	all
RGW234S-200511	20E0097-06	all
RGW153S-200511	20E0097-07	all
RGW172S-200511	20E0097-08	all
RGW226S-200511	20E0097-09	all
RGW173S-200511	20E0097-10	all
RGW152S-200511	20E0097-11	all

Sample ID	Laboratory Sample ID	Requested Analyses
RGWDUP1-200511	20E0097-12	all
Trip Blanks	20E0097-13	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 OAPP 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 May 11, 2020. The temperatures of the coolers were recorded upon receipt and were below the maximum acceptable temperature of 6 degrees Celsius.

Organic analyses

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

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

The MS/MSD surrogate recovery for 1,2-Dichloroethane-d4 in data package 20E0097 slightly exceeded the upper spike recovery percentage of 129 percent, at 131 percent in the sample analyzed. The data is not qualified for use.

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

The MS/MSD sample for cis-1,2-Dichloroethene in data package 20E0097 slightly exceeded the upper spike recovery percentage of 120 percent, at 124 percent in the sample analyzed. This indicates a slight positive bias in the cis-1,2-Dichloroethene analytical results for this data package. The data is not qualified for use.

6. Field Duplicates – Acceptable except as noted

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

Sample ID/ Field Duplicate ID	Analyte	Primary Result (ng/L)	Duplicate Result (ng/L)	Reporting Limit (ng/L)	RPD (%)
	vinyl chloride	46.3	39.1	20	NC
RGW152S-200511/	cis-1,2-dichloroethene	719	694	20	4
RGWDUP1-200511	trichloroethene	412	430	20	4
	tetrachloroethene	2,380	2,470	20	4

Abbreviations

ng/L = nanograms per liter

NC = not calculated

RPD = relative percent difference

7. Reporting Limits and Laboratory Flags – Acceptable

Inorganic analyses

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

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

Sample ID/ Field Duplicate ID	Analyte	Primary Result	Duplicate Result	Reporting Limit	RPD (%)
	TOC	2.12 mg/L	1.98 mg/L	0.50 mg/L	NC
RGW152S-200511/	total arsenic	1.95 µg/L	2.21 μg/L	0.200 μg/L	13
RGWDUP1-200511	total copper	2.76 µg/L	3.00 µg/L	0.500 µg/L	8
	total lead	1.09 µg/L	1.18 µg/L	0.100 μg/L	8

Abbreviations:

µg/L = micrograms per liter mg/L = milligrams per liter NC = not calculated RPD = relative percent difference TOC = total organic carbon 7. Reporting Limits and Laboratory Flags – Acceptable

Overall assessment of data

The table below summarizes the data assessment. The completeness of work order number 20E0097 is 100 percent. The usefulness of these data was evaluated based on EPA guidance documents listed in the introduction to this report. Few problems were identified, and analytical performance was generally within specified limits. The data meet the project's data quality objectives.

Sample ID	Qualified Analyte
RGW232S-200511	none
RGW232I-200511	none
RGW236S-200511	none
RGW235I-200511	none
RGW081S-200511	none
RGW234S-200511	none
RGW153S-200511	none
RGW172S-200511	none
RGW226S-200511	none
RGW173S-200511	none
RGW152S-200511	none
RGWDUP1-200511	none
Trip Blanks	none

References

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

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Memo

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

From: Chelsea Foster c: Project File

Tel: (206) 342-1760 Fax: (206) 342-1761 Date: June 28, 2020

Subject: Summary Data Quality Review

May 2020 Boeing Renton Groundwater Sampling

Building 4-78/79 SWMU/AOC Group ARI Work Order Number: 20E0115

This memo presents the summary data quality review of 16 primary groundwater samples, one field duplicate groundwater sample, and one trip blank sample collected on May 12, 2020. The samples were submitted to Analytical Resources, Inc. (ARI), located in Tukwila, Washington, a laboratory accredited by the Washington State Department of Ecology (Ecology). The samples were analyzed for the following:

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

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

Sample ID	Laboratory Sample ID	Requested Analyses
RGW243I-200512	20E0115-01	all
RGW241S-200512	20E0115-02	VOCs and TPH-G
RGW039S-200512	20E0115-03	all
RGW242I-200512	20E0115-04	VOCs and TPH-G
RGW034S-200512	20E0115-05	all
RGW244S-200512	20E0115-06	all
RGW240D-200512	20E0115-07	all
RGW143S-200512	20E0115-08	all
RGW239I-200512	20E0115-09	all
RGW238I-200512	20E0115-10	all
RGW210S-200512	20E0115-11	all
RGW237S-200512	20E0115-12	all
RGWDUP2-200512	20E0115-13	all

Sample ID	Laboratory Sample ID	Requested Analyses
RGW031S-200512	20E0115-14	all
RGW209S-200512	20E0115-15	all
RGW038S-200512	20E0115-16	all
RGW033S-20E0115	20E0115-17	all
Trip Blanks	20E0115-18	VOCs and TPH-G

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 May 12, 2020. The temperatures of the coolers were recorded upon receipt and were below the maximum acceptable temperature of 6 degrees Celsius.

Organic analyses

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

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

Surrogate recoveries were outside their respective control limits for samples RGW243I-200512, RGW242I-200512, RGW034S-200512, RGW240D-200512, RGW143S-200512, RGW210S-200512, RGW237S-200512, and RGWDUP2-200512. Samples that were non-detect with high surrogate recoveries were not reanalyzed and are not qualified for use. Samples RGW034S-200512, RGW240D-200512, RGW210S-200512, and RGW237S-200512 had surrogates above or below control limits and analyte hits and were therefore reanalyzed, which resulted in surrogate recoveries within control limits. The data from the reanalysis is not qualified for use. Sample RGWDUP2-200512 had one surrogate above control limits in the initial analysis. The sample was rerun and the same surrogate remained above control limits. It is recommended that the initial analysis results for RGWDUP2-200512 be used and flagged with a "J."

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

Field Duplicates – Acceptable

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

Sample ID/ Field Duplicate ID	Analyte	Primary Result (µg/L)	Duplicate Result (µg/L)	Reporting Limit (µg/L)	RPD (%)
	vinyl chloride	0.20 U	0.20 U	0.20	NC
	cis-1,2-dichloroethene	0.40	0.40	0.20	NC
RGW031S-200512/ RGWDUP2-200512	benzene	17.6	17.6	0.20	0
	trichloroethene	0.20 U	0.20 U	0.20	NC
	TPH-G	1,880	1,790	100	5

Abbreviations

μg/L = micrograms per liter

NC = not calculated

RPD = relative percent difference

U = analyte was not detected above the reporting limit

TPH-G = total petroleum hydrocarbons as gasoline

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

The result for cis-1,2-dichloroethene in RGWDUP2-200512 was flagged with an "M" for low spectral match patterns. This result is already qualified for use and flagged with a "J" for surrogate recoveries. The result for cis-1,2-dichloroethene in RGW031S-200512 was flagged with an "M" for low spectral match patterns and will be flagged with a "J" and qualified for use. The result for the initial analysis of vinyl chloride in RGW033S-200512 was flagged with an "E" for being above the calibration range; however, the result from the reanlysis of RGW033S-200512 should be used and is not qualified.

Inorganic analyses

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

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

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

Sample ID/ Field Duplicate ID	Analyte	Primary Result (mg/L)	Duplicate Result (mg /L)	Reporting Limit (mg /L)	RPD (%)
RGW031S-200512/ RGWDUP2-200512	TOC	13.42	13.48	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 work order number 20E0115 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	Qualified Result	Units	Qualifier Reason
RGW243I-200512	none	none	NA	NA
RGW241S-200512	none	none	NA	NA
RGW039S-200512	none	none	NA	NA
RGW242I-200512	none	none	NA	NA
RGW034S-200512	none	none	NA	NA
RGW244S-200512	none	none	NA	NA
RGW240D-200512	none	none	NA	NA
RGW143S-200512	none	none	NA	NA
RGW239I-200512	none	none	NA	NA
RGW238I-200512	none	none	NA	NA
RGW210S-200512	none	none	NA	NA
RGW237S-200512	none	none	NA	NA
RGWDUP2-200512	cis-1,2-dichloroethene benzene	0.40 J 17.6 J	μg/L μg/L	Surrogate recoveries Surrogate recoveries
RGW031S-200512	cis-1,2-dichloroethene	0.40 J	μg/L	Laboratory flag
RGW209S-200512	none	none	NA	NA
RGW038S-200512	none	none	NA	NA

Sample ID	Qualified Analyte	Qualified Result	Units	Qualifier Reason
RGW033S-20E0115	none	none	NA	NA
Trip Blanks	none	none	NA	NA

Abbreviations

 μ g/L = micrograms per liter NA = not applicable

References

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

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

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

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Memo

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

From: Chelsea Foster c: Project File

Tel: (206) 342-1760 Fax: (206) 342-1761 Date: June 28, 2020

Subject: Summary Data Quality Review

May 2020 Boeing Renton Groundwater Sampling

Former Fuel Farm AOC Group ARI Work Order Number: 20E0096

This memo presents the summary data quality review of 10 primary groundwater samples and one field duplicate collected on May 11, 2020. The samples were submitted to Analytical Resources Inc. (ARI), a Washington State Department of Ecology (Ecology)-accredited laboratory located in Tukwila, Washington. The samples were analyzed for total petroleum hydrocarbons as diesel (TPH-D), plus motor oil (TPH-O) and Jet A (TPH Jet A) ranges by Ecology Method NWTPH-Dx, both with and without silica-gel acid cleanup procedure, to determine if concentrations are affected by natural organic material.

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

Sample ID	Laboratory Sample ID	Requested Analyses
RGW211S-200511	20E0096-01 and 02	all
RGW212S-200511	20E0096-03 and 04	all
RGW224S-200511	20E0096-05 and 06	all
RGW255S-200511	20E0096-07 and 08	all
RGW256S-200511	20E0096-09 and 10	all
RGW221S-200511	20E0096-11 and 12	all
RGW257S-200511	20E0096-13 and 14	all
RGW258S-200511	20E0096-15 and 16	all
RGW184S-200511	20E0096-17 and 18	all
RGWDUP3-200511	20E0096-19 and 20	all
RGW183S-200511	20E0096-21 and 22	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.

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

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

Organic analyses

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

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

One field duplicate was submitted for each analysis during this sampling event, meeting the project frequency requirement of 5 percent, or one for every 20 samples. Primary and duplicate results are summarized in the table below. The project-specific control limit for field duplicate relative percent differences (RPDs) is 30 percent for concentrations greater than five times the reporting limit. The RPD is not calculated for results that are less than five times the reporting limit, as indicated on the table below by "NC." In these cases, the absolute value of the difference between the primary and duplicate result should not exceed the value of the reporting limit. The field duplicate RPDs were within control limits, except for TPH-D with silica gel cleanup, and TPH Jet A with and without silica gel cleanup. As shown in the table below, the difference between the primary and duplicate results for TPH-D with silica gel cleanup exceeds the reporting limit. The RPD for TPH Jet A with and without silica gel cleanup exceeds 30 percent. The results for TPH-D with silica gel cleanup, and TPH Jet A both with and without silica gel cleanup, for samples RGW224S-200511 and RGWDUP3-200511 are qualified as estimated and qualified with a "J" due to the field duplicate RPD.

Sample ID/ Field Duplicate ID	Analyte	Primary Result (mg/L)	Duplicate Result (mg/L)	Reporting Limit (mg/L)	RPD (%)
RGW224S-200511/	TPH-D C12-C24 w/ SGC TPH-D C12-C24 w/o SGC	0.675 0.336	0.876 0.217	0.100	26 NC
RGWDUP3-200511	TPH Jet A C10-C18 w/ SGC TPH Jet A C10-C18 w/o SGC	0.918 0.796	1.38 0.481	0.100	40 49

<u>Abbreviations</u>

mg/L = milligrams per liter NC = not calculated

RPD = relative percent difference

SGC = silica gel cleanup

TPH = total petroleum hydrocarbons

TPH-D = total petroleum hydrocarbons as diesel

w/ = with



7. Reporting Limits and Laboratory Flags – Acceptable

Overall assessment of data

The table below summarizes the data review. The completeness of ARI work order number 20E0096 is 100 percent. Evaluation of the usefulness of these data is based on EPA guidance documents listed in the introduction to this report. Few problems were identified, and analytical performance was generally within specified limits. The data meet the project's data quality objectives.

Sample ID	Qualified Analyte	Qualified Result	Units	Qualifier Reason
RGW211S-200511	none	none	NA	NA
RGW212S-200511	none	none	NA	NA
RGW224S-200511	TPH-D w/ silica gel cleanup TPH Jet A w/ silica gel cleanup TPH Jet A w/o silica gel cleanup	0.336 J 0.918 J 0.796 J	mg/L	Field duplicate RPD
RGW255S-200511	none	none	NA	NA
RGW256S-200511	none	none	NA	NA
RGW221S-200511	none	none	NA	NA
RGW257S-200511	none	none	NA	NA
RGW258S-200511	none	none	NA	NA
RGW184S-200511	none	none	NA	NA
RGWDUP3-200511	TPH-D w/ silica gel cleanup TPH Jet A w/ silica gel cleanup TPH Jet A w/o silica gel cleanup	0.217 J 1.38 J 0.481 J	mg/L	Field duplicate RPD
RGW183S-200511	none	none	NA	NA

Abbreviations

J = The value is an estimate mg/L = milligrams per liter NA = not applicable RPD = relative percent difference TPH = total petroleum hydrocarbons

TPH-D = total petroleum hydrocarbons as diesel

w/ = with w/o = without

References

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

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



Memo

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

From: Chelsea Foster c: Project File

Tel: (206) 342-1760 Fax: (206) 342-1761 Date: June 28, 2020

Subject: Summary Data Quality Review

May 2020 Boeing Renton Groundwater Sampling

AOC-003

ARI Work Order Number: 20E0131

This memo presents the summary data quality review of two primary groundwater samples and one trip blank sample collected on May 13, 2020. The samples were submitted to Analytical Resources, Inc. (ARI), located in Tukwila, Washington, a laboratory accredited by the Washington State Department of Ecology.

Samples were analyzed for the following:

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

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

Sample ID	Laboratory Sample ID	Requested Analyses
RGW247S	20E0131-01	all
RGW248I	20E0131-02	all
Trip Blank	20E0131-03	VOCs

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

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

ARI received the samples on May 13, 2020. The temperature of the cooler was recorded upon receipt and was below the maximum acceptable temperature of 6 degrees Celsius.

Organic analyses

Samples were analyzed for 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

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

7. Reporting Limits and Laboratory Flags – Acceptable

Inorganic analyses

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

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

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

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

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

7. Reporting Limits and Laboratory Flags – Acceptable

Overall assessment of data

The table below summarizes the data assessment. The completeness of work order number 20E0131 is 100 percent. The usefulness of these data was evaluated based on EPA guidance documents listed in the introduction to this report. Few problems were identified, and analytical performance was generally within specified limits.

Sample ID	Qualified Analyte
RGW247S	none
RGW248I	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.



Memo

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

From: Chelsea Foster c: Project File

Tel: (206) 342-1760 Fax: (206) 342-1761 Date: June 28, 2020

Subject: Summary Data Quality Review

May 2020 Boeing Renton Groundwater Sampling

Building 10-71 Parcel

ARI Work Order Number: 20E0118

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

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

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

Sample ID	Laboratory Sample ID	Requested Analyses
10-71-MW2-200512	20E0118-01	VOCs
10-71-MW1-200512	20E0118-02	VOCs
10-71-MW4-200512	20E0118-03	VOCs
Trip Blank	20E0118-04	VOCs

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

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

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

Organic analyses

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

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

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

6. Field Duplicates - Acceptable

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

7. Reporting Limits and Laboratory Flags – Acceptable

Overall assessment of data

The table below summarizes the data assessment. The completeness of work order number 20E0118 is 100 percent. Evaluation of the usefulness of these data is 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 are not qualified and meet the project's data quality objectives.

Sample ID	Qualified Analyte
10-71-MW2-200512	none
10-71-MW1-200512	none
10-71-MW4-200512	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

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

From: Chelsea Foster c: Project File

Tel: (206) 342-1760 Fax: (206) 342-1761 Date: June 28, 2020

Subject: Summary Data Quality Review

May 2020 Boeing Renton Groundwater Sampling

Apron A

ARI Work Order Number: 20E0117

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

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

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

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

Sample ID	Laboratory Sample ID	Requested Analyses
RGWDUP5-200512	20E0117-01	all
RGW262S-200512	20E0117-02	all
RGW264S-200512	20E0117-03	all
Trip Blank	20E0117-04	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 OAPP 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 May 12, 2020. The temperature of the coolers were recorded upon receipt and was below the maximum acceptable temperature of 6 degrees Celsius. The laboratory logged the samples with the time on the chain-of-custody and proceeded with analysis.

Organic analyses

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

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

Surrogate recoveries were above control limits for samples RGWDUP5-200512 and RGW264S-200512. The result for RGWDUP5-200512 was non-detect and therefore not rerun. RGW264S-200512 was rerun with surrogate recoveries within control limits. The data is not qualified for use.

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

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

6. Field Duplicates – Acceptable

One field duplicate, RGWDUP5-200512, was submitted with sample RGW262S-200512. Primary and duplicate samples were analyzed for each analysis during this sampling event, meeting the project frequency requirement of 5 percent, or one for every 20 samples. Primary and duplicate results were below detection; therefore, the field duplicate relative percent difference (RPD) is not calculated for samples in this work order.

7. Reporting Limits and Laboratory Flags – Acceptable

Inorganic analyses

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

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

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

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

One field duplicate was submitted for each analysis during this sampling event, meeting the project frequency 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 (%)
RGW262S-200512/ RGWDUP5-200512	TOC	32.45	33.04	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 work order number 20E0117 is 100 percent. The usefulness of these data was evaluated based on EPA guidance documents listed in the introduction to this report. Few problems were identified, and analytical performance was generally within specified limits. The data meet the project's data quality objectives.

Sample ID	Qualified Analyte
RGWDUP5-200512	none
RGW262S-200512	none
RGW264S-200512	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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wood.

Appendix D

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

Boeing Renton Facility, Renton, Washington

													Well	ID ²											
	Current												СРОС	Area											
	Cleanup				GW2	295							GW2	301							GW2	231S			
Analyte	Level ³	11/7/2016	3/1/2017	8/14/2017	3/5/2018	8/13/2018	3/4/2019	8/12/2019	3/9/2020	11/7/2016	3/1/2017	8/14/2017	3/5/2018	8/13/2018	3/4/2019	8/12/2019	3/9/2020	11/7/2016	3/1/2017	8/14/2017	3/5/2018	8/13/2018	3/4/2019	8/12/2019	3/9/2020
Volatile Organic Com	npounds (µg/	L)																							
Vinyl Chloride	0.11	0.020 U	0.020 U	0.021	0.0273	0.020 U	0.0211	0.020 U	0.020 U	0.032	0.020 U	0.20	0.0873	0.14	0.0566	0.336	0.087	0.020 U	0.020 U	0.020 U	0.0393	0.0326	0.0327	0.026	0.020 U

Notes:

- 1. **Bolded** values exceed the cleanup levels.
- 2. S = shallow well; I = intermediate well.
- 3. Current cleanup levels obtained from Table 2 of the Cleanup Action Plan and are based on each individual SWMU or AOC.

Abbreviations:

μg/L = micrograms per liter

AOC = area of concern

CPOC = conditional point of compliance

SWMU = solid waste management unit

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

Boeing Renton Facility, Renton, Washington

	Current										Vell ID ³ urce Area								
	Cleanup					GW152S									GW153S				
Analyte	Level⁴	5/7/2018	8/13/2018	11/12/2018	3/4/2019	5/6/2019	8/12/2019	11/11/2019	3/9/2020	5/11/2020	5/7/2018	8/13/2018	11/12/2018	3/4/2019	5/6/2019	8/12/2019	11/11/2019	3/9/2020	5/11/2020
Volatile Organic Compour	ds (μg/L)																		
cis-1,2-Dichloroethene	0.03	0.348	0.981	1.7	0.678	0.655	0.627	0.530	0.892	0.719	0.0649	0.171	0.238	0.107	0.108	0.278	0.204	0.0736	0.0789
Tetrachloroethene	0.02	1.39	1.09	0.846	0.086	0.0594	0.176	0.384	1.12	2.38	0.020 U	0.0845	0.370	0.020 U	0.020 U	0.0544	0.164	0.024	0.020 U
Trichloroethene	0.02	0.226	0.833	0.223	0.152	0.157	0.203	0.145	0.278	0.412	0.020 U	0.241	0.394	0.020 U	0.0212	0.0326	0.131	0.02 U	0.020 U
Vinyl Chloride	0.11	0.0972	0.187 J	0.246	0.128	0.173	0.0705	0.0366	0.15	0.0463	0.313 J	0.248	0.289	0.333	0.242	0.153	0.0859	0.249	0.266
Total Metals (µg/L)																			
Arsenic	1.0	2.99 J	75.7	22.6	7.54	4.49	23.4	7.48	3.84	1.95	3.51	5.67	7.84	4.49	5.97	4.72	11.9	5.48	3.85
Copper	3.5	2.86	24.1	4.76	5.12	2.35	21.8	16.6	8.03	2.76	1.01	2.55	16.2	2.00	1.25	1.58	10.2	3.09	1.73
Lead	1.0	1.52 J	12.7	2.48 J	3.33	1.26	14.8	12.1	6.13	1.09	0.207	3.06	0.381	0.352	0.198	0.351	2.76	0.712	0.372

	Current										Vell ID ³ lient Plume Aı	rea							
	Cleanup					GW081S									GW172S				
Analyte	Level ⁴	5/7/2018	8/13/2018	11/12/2018	3/4/2019	5/6/2019	8/12/2019	11/11/2019	3/9/2020	5/11/2020	5/7/2018	8/13/2018	11/12/2018	3/4/2019	5/6/2019	8/12/2019	11/11/2019	3/9/2020	5/11/2020
Volatile Organic Compoun	ds (μg/L)																		
cis-1,2-Dichloroethene	0.03	0.0311	0.0243	0.0327	0.0355	0.025	0.0282	0.0311	0.0357	0.041	0.641	0.129	0.116	0.111	0.0581	0.027	0.0561	0.305	0.214
Tetrachloroethene	0.02	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.0663	0.020 U	0.020 U	0.020 U	0.020 U	0.0376	0.020 U	0.020 U	0.0451	0.0287	0.976	0.0625
Trichloroethene	0.02	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.0872	0.0370	0.020 U	0.020 U	0.020 U	0.020 U	0.384	0.028
Vinyl Chloride	0.11	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	1.41	1.24	0.0742	0.167	0.0808	0.0376	0.0905	0.209	0.369
Total Metals (µg/L)																			
Arsenic	1.0	1.63	2.30	2.20	2.33	2.49	2.49	2.69	1.87	2.03	5.52	8.84	7.24	6.52	7.71	10.6	20.5	32.8	7.03
Copper	3.5	0.534	0.811	0.561	0.536	0.546	1.38	1.96	0.791	1.24	0.989	2.50 U	1.77	2.07	2.13	3.86	9.25	27.6	2.2
Lead	1.0	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.116	0.210	0.100 U	0.147	0.772	1.02	1.13	0.774	0.991	1.02	7.44	15.1	1.07

		1									300 11 15 3									
	Current										Well ID ³									
	Current									Dov	vngradient Plι	ıme Area								
	Cleanup					GW173S									GW22	6S				
Analyte	Level ⁴	5/7/2018	8/13/2018	11/12/2018	3/4/2019	5/6/2019	8/12/2019	11/11/2019	3/9/2020	5/11/2020	3/5/2018	5/7/2018	8/13/2018	11/12/2018	3/4/2019	5/6/2019	8/12/2019	11/11/2019	3/9/2020	5/11/2020
Volatile Organic Compoun	ds (µg/L)																			
cis-1,2-Dichloroethene	0.03	0.020 U	0.111	0.0753	0.0756	0.037	0.022	0.0378	0.0504	0.0488	0.0408	0.0401	0.0262	0.020 U	0.0387	0.0223	0.0259	0.0235	0.0396	0.0305
Tetrachloroethene	0.02	0.061	0.0301	0.218	0.0842	0.0416	0.0561	0.0246	0.0224	0.020 U	0.020 U	0.020 U	0.0733	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Trichloroethene	0.02	0.0344	0.0681	0.206	0.149	0.0742	0.0256	0.0379	0.0305	0.0215	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Vinyl Chloride	0.11	0.046	0.0969 J	0.0448 J	0.0312	0.0486	0.0613	0.072	0.144	0.126	0.0428	0.026	0.0409 J	0.0655	0.0432	0.0459	0.029	0.0615	0.038	0.0594
Total Metals (µg/L)																				
Arsenic	1.0	1.80	13.0	4.59	6.72	7.38	12.2	15.6	11.8	6.72	4.14	3.27	2.78	3.44	5.07	2.97	2.85	12.0	4.88	3.33
Copper	3.5	3.48	6.95	3.85	4.38	1.11	1.39	4.68	1.51	0.875	2.60	1.05	1.19	2.28	4.55	0.500 U	0.626	15.6	5.00	0.704
Lead	1.0	0.314	2.88	0.706	0.712	0.251	0.290	1.36	0.442	0.215	0.297	0.129	0.141	0.422	0.413	0.100 U	0.100 U	2.43	0.500	0.190

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

Boeing Renton Facility, Renton, Washington

										1	Vell ID ³								
	Current									CI	POC Area								
	Cleanup					GW232S									GW233I				
Analyte	Level⁴	5/7/2018	8/13/2018	11/12/2018	3/4/2019	5/6/2019	8/12/2019	11/11/2019	3/9/2020	5/11/2020	5/7/2018	8/13/2018	11/12/2018	3/4/2019	5/6/2019	8/12/2019	11/11/2019	3/9/2020	5/11/2020
Volatile Organic Compour	nds (µg/L)																		
cis-1,2-Dichloroethene	0.03	0.367	0.489	0.426	0.250	0.319	0.378	0.659	0.221	0.352	0.0598	0.0587	0.0692	0.075	0.054	0.0697	0.0546	0.0552	0.0646
Tetrachloroethene	0.02	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Trichloroethene	0.02	0.020 U	0.020 U	0.020 U	0.020 U	0.0331	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.0225	0.020 U	0.020 U	0.020 U	0.020 U
Vinyl Chloride	0.11	0.419	0.544 J	0.564	0.242	0.348	0.412	0.860	0.264	0.337	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Total Metals (µg/L)																			
Arsenic	1.0	5.36	6.52	8.01	5.12	3.96	6.29	8.09	2.73	4.71	0.532	0.421	0.481	0.529	0.428	0.397	0.594	0.467	0.527
Copper	3.5	0.500 U	0.628	13.3	1.70	1.15	0.878	3.85	2.22	0.539	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.774	0.500 U	0.597
Lead	1.0	0.100 U	0.275	0.338	0.167	0.167	0.102	0.378	0.354	0.100 U	0.100 U	0.100 U	0.100 U	0.102	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U

										V	Vell ID ³								
	Current									CI	OC Area								
	Cleanup					GW234S									GW235I				
Analyte	Level⁴	5/7/2018	8/13/2018	11/12/2018	3/4/2019	5/6/2019	8/12/2019	11/11/2019	3/9/2020	5/11/2020	5/7/2018	8/13/2018	11/12/2018	3/4/2019	5/6/2019	8/12/2019	11/11/2019	3/9/2020	5/11/2020
Volatile Organic Compoun	ds (µg/L)																		
cis-1,2-Dichloroethene	0.03	0.0672	0.0758	0.112	0.0869	0.0630	0.0738	0.0850	0.0984	0.092	0.166	0.121	0.158	0.135	0.109	0.0638	0.109	0.127	0.156
Tetrachloroethene	0.02	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Trichloroethene	0.02	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.0297	0.020 U	0.0253	0.0305	0.0338	0.0353	0.0342	0.020 U	0.0287	0.0336	0.031
Vinyl Chloride	0.11	0.020 U	0.0282 J	0.0488	0.0273	0.0235	0.0252	0.0309	0.0302	0.032	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Total Metals (µg/L)																			
Arsenic	1.0	0.820	2.07	1.72	2.11	2.22	1.31	10.1	27.4	5.31	0.200 U	0.200 U	0.230	0.200 U	0.403	0.292	0.237	0.251	0.289
Copper	3.5	NA	0.748	1.27	1.75	1.93	0.869	33.2	32.9	2.43	0.500 U	0.500 U	0.500 U	0.500 U	1.58	0.714	0.573	0.935	1.08
Lead	1.0	NA	0.425	0.781	0.701	0.843	0.280	15.5	11.8	0.671	0.100 U	0.100 U	0.104	0.322	0.405	0.182	0.127	0.235	0.223

						Well ID ³				
	Current					CPOC Area				
	Cleanup					GW236S				
Analyte	Level⁴	5/7/2018	8/13/2018	11/12/2018	3/4/2019	5/6/2019	8/12/2019	11/11/2019	3/9/2020	5/11/2020
Volatile Organic Compoun	nds (µg/L)									
cis-1,2-Dichloroethene	0.03	0.0297	0.0427	0.0690	0.0443	0.0281	0.0468	0.108	0.0241	0.036
Tetrachloroethene	0.02	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Trichloroethene	0.02	0.020 U	0.020 U	0.020 U	0.020 U	0.0206	0.020 U	0.020 U	0.020 U	0.020 U
Vinyl Chloride	0.11	0.020 U	0.020 U	0.0323	0.020 U	0.020 U	0.020 U	0.0437	0.020 U	0.020 U
Total Metals (µg/L)										
Arsenic	1.0	1.80	2.69	3.35	2.81	2.10	3.70	36.5	6.29	2.10
Copper	3.5	2.05	0.500 U	0.924	0.919	2.17	0.893	66.9	21.2	4.24
Lead	1.0	2.49	0.874	1.48	1.94	1.90	1.53	117	18.7	2.61

Notes

1. Data qualifiers are as follows:

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

- J = The value is an estimate.
- 2. **Bolded** values exceed the cleanup levels.
- 3. S = shallow well; I = intermediate well.
- 4. Current cleanup levels obtained from Table 2 of the Cleanup Action Plan and are based on each individual SWMU or AOC.

<u>Abbreviations</u>

μg/L = micrograms per liter

AOC = area of concern

CPOC = conditional point of compliance

SWMU = solid waste management unit

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

Boeing Renton Facility, Renton, Washington

															Well ID ³													
	Current														Source Area	ı												
	Cleanup					GW031S									GW033S									GW034S				
Analyte	Level ⁴	5/7/2018	8/14/2018	11/13/2018	3/5/2019	5/7/2019	8/13/2019	11/12/2019	3/11/2020	5/11/2020	5/7/2018	8/14/2018	11/13/2018	3/5/2019	5/7/2019	8/13/2019	11/12/2019	3/11/2020	5/11/2020	5/7/2018	8/14/2018	11/13/2018	3/5/2019	5/7/2019	8/13/2019	11/12/2019	3/11/2020	5/11/2020
Volatile Organic Compoun	ids (μg/L)																											
Benzene	0.80	8.95	3.21	28.3 J	55.9	7.13	3.47	4.77	37.1	17.6	12.8	13.3	13.6	11.7	12.5	10.4	11.5	10.2	9.75	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
cis-1,2-Dichloroethene	0.70	0.20 U	0.56 J	0.63 J	0.20 U	0.43	0.47	0.40	0.61	0.40 J	40.7	1.94	9.35	0.79	0.41	0.78	2.78	21.4	39.5	0.20 U	0.21	0.25	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Trichloroethene	0.23	1.13	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.40 U	0.20 U	1.00 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.29	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Vinyl Chloride	0.20	0.20 U	0.28	0.31 J	0.20 U	0.29	0.21	0.25	0.20 U	0.20 U	110	6.46	36.7	3.26	0.53	1.16	13.0	52.2	87.3	0.24	0.53	0.54	0.20	0.20 U	0.39	0.39	0.20 U	0.21
Total Petroleum Hydrocarl	bons (µg/L)																											
TPH-G (C7-C12)	800	917	1,640	2,010	4200	1020	1390	1540	2,980	1,880	239	258	500 U	395	297	277	347	296	301	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U

															Well ID ³													
	Current														Source Area	1												
	Cleanup					GW039S					1				GW243I									GW244S				
Analyte	Level ⁴	5/7/2018	8/14/2018	11/13/2018	3/5/2019	5/7/2019	8/13/2019	11/12/2019	3/11/2020	5/11/2020	5/7/2018	8/14/2018	11/13/2018	3/5/2019	5/7/2019	8/13/2019	11/12/2019	3/10/2020	5/11/2020	5/7/2018	8/14/2018	11/13/2018	3/5/2019	5/7/2019	8/13/2019	11/12/2019	3/11/2020	5/11/2020
Volatile Organic Compour	nds (µg/L)																											
Benzene	0.80	0.20 U	0.20 U	0.20 U	0.20 U	0.21	0.20 U	0.20 U	0.20 U	0.20 U	1.66	0.34	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	3.63	4.64	2.95	1.73	1.47	1.77	0.87	0.52	0.46
cis-1,2-Dichloroethene	0.70	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	1.80	0.44	0.26	0.82	2.03	0.37	0.20 U	0.68	1.06
Trichloroethene	0.23	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.92	0.20 U	0.20 U	0.22	0.20 U	0.20 U	0.20 U	0.23	0.20 U
Vinyl Chloride	0.20	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	1.06	0.62	0.55	0.86	1.45	0.71	0.35	0.7	0.85
Total Petroleum Hydrocar	bons (µg/L)																											
TPH-G (C7-C12)	800	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	132	100 U	106	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U

															,													
	C														Well ID ³													
	Current	1												Downgi	adient Plur	ne Area												
	Cleanup					GW038S									GW209S									GW210S				
Analyte	Level⁴	5/7/2018	8/14/2018	11/13/2018	3/5/2019	5/7/2019	8/13/2019	11/12/2019	3/10/2020	5/11/2020	5/7/2018	8/14/2018	11/13/2018	3/5/2019	5/7/2019	8/13/2019	11/12/2019	3/10/2020	5/11/2020	5/7/2018	8/14/2018	11/13/2018	3/5/2019	5/7/2019	8/13/2019	11/12/2019	3/11/2020	5/11/2020
Volatile Organic Compour	nds (µg/L)																											
Benzene	0.80	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.28	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
cis-1,2-Dichloroethene	0.70	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Trichloroethene	0.23	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Vinyl Chloride	0.20	0.20 U	0.20 U	0.20	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.21	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Total Petroleum Hydrocar	bons (µg/L)																											
TPH-G (C7-C12)	800	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U

	1														Well ID ³													
	Current	$\overline{}$													CPOC Area													
	Cleanup					GW143S					Π				GW237S									GW238I				
Analyte	Level⁴	5/7/2018	8/14/2018	11/13/2018	3/5/2019	5/7/2019	8/13/2019	11/12/2019	3/10/2020	5/11/2020	5/7/2018	8/14/2018	11/13/2018	3/5/2019	5/7/2019	8/13/2019	11/12/2019	3/10/2020	5/11/2020	5/7/2018	8/14/2018	11/13/2018	3/5/2019	5/7/2019	8/13/2019	11/12/2019	3/10/2020	5/11/2020
Volatile Organic Compour	nds (µg/L)																											
Benzene	0.80	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	8.57	0.43	0.93	9.58	2.20	0.43	0.66	3.48	1.03	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
cis-1,2-Dichloroethene	0.70	0.33	1.82	0.20 U	0.20 U	0.20 U	2.20	0.20 U	0.21	0.20 U	0.20 U	0.20 U	0.20 U	0.21	0.20 U	0.25	0.22	1.00 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Trichloroethene	0.23	0.20 U	0.60	0.20 U	0.20 U	0.20 U	1.05	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	1.00 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Vinyl Chloride	0.20	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.28	0.29	0.25	0.20 U	0.38	0.34	1.00 U	0.20 U	0.20 U	0.20 U	0.21	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Total Petroleum Hydrocar	rbons (µg/L)																											
TPH-G (C7-C12)	800	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	1,740	499	100 U	1,680	100 U	329	100 U	961	729	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U

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

Boeing Renton Facility, Renton, Washington

											Docini	y inclitori i c	acinty, iterito	on, wasining	gton													
	C														Well ID ³													
	Current														CPOC Area													
	Cleanup					GW239I									GW240D									GW241S				
Analyte	Level ⁴	5/7/2018	8/14/2018	11/13/2018	3/5/2019	5/7/2019	8/13/2019	11/12/2019	3/10/2020	5/11/2020	5/7/2018	8/14/2018	11/13/2018	3/5/2019	5/7/2019	8/13/2019	11/12/2019	3/10/2020	5/11/2020	5/7/2018	8/13/2018	11/13/2018	3/5/2019	5/7/2019	8/13/2019	11/12/2019	3/10/2020	5/11/2020
Volatile Organic Compour	nds (µg/L)																											
Benzene	0.80	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
cis-1,2-Dichloroethene	0.70	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Trichloroethene	0.23	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Vinyl Chloride	0.20	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.23	0.23	0.24	0.23	0.27	0.26	0.24	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Total Petroleum Hydrocar	rbons (µg/L)																											
TPH-G (C7-C12)	800	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U

	Current					Well ID ³ CPOC Area				
	Cleanup					GW242I				
Analyte	Level⁴	5/7/2018	8/13/2018	11/13/2018	3/5/2019	5/7/2019	8/13/2019	11/12/2019	3/10/2020	5/11/2020
Volatile Organic Compour	nds (µg/L)									
Benzene	0.80	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
cis-1,2-Dichloroethene	0.70	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Trichloroethene	0.23	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Vinyl Chloride	0.20	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Total Petroleum Hydrocar	bons (µg/L)									
TPH-G (C7-C12)	800	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U

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

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

TPH-G = total petroleum hydrocarbons as gasoline

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

Boeing Renton Facility, Renton, Washington

															Well ID ³													
	Current					Source Are	а												СРОС	Area								
	Cleanup					GW255S									GW183S									GW184S				
Analyte	Level⁴	5/5/2016	11/7/2016	5/10/2017	11/14/2017	5/7/2018	11/12/2018	5/7/2019	11/11/2019	5/11/2020	5/5/2016	11/7/2016	5/10/2017	11/14/2017	5/7/2018	11/12/2018	5/7/2019	11/11/2019	5/11/2020	5/5/2016	11/7/2016	5/10/2017	11/14/2017	5/7/2018	11/12/2018	5/7/2019 1	1/11/2019	5/11/2020
Total Petroleum Hydrocarl	bons (mg/L)																											
TPH-D (C12-C24)	0.5	0.094 U	0.095 U	0.095 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.095 U	0.096 U	0.095 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.110 U	0.095 U	0.096 U	0.095 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U
Jet A	0.5	0.094 U	0.095 U	0.095 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.095 U	0.096 U	0.095 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.110 U	0.095 U	0.096 U	0.095 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U

															Well ID ³													
	Current														CPOC Area	a												
	Cleanup					GW211S									GW212S									GW221S				
Analyte	Level⁴	5/5/2016	11/7/2016	5/10/2017	11/14/2017	5/7/2018	11/12/2018	5/7/2019	11/11/2019	5/11/2020	5/5/2016	11/7/2016	5/10/2017	11/14/2017	5/7/2018	11/12/2018	5/7/2019	11/11/2019	5/11/2020	5/5/2016	11/7/2016	5/10/2017	11/14/2017	5/7/2018	11/12/2018	5/7/2019 11	/11/2019	5/11/2020
Total Petroleum Hydrocari	bons (mg/L)																											
TPH-D (C12-C24)	0.5	0.32	0.75	0.22	0.903	0.272	0.341	0.124	0.120	0.282	0.12 U	0.095 U	0.094 U	0.100 U	0.100 U	0.109	0.100 U	0.100 U	0.100 U	0.64	0.63	0.55	3.63	0.746	1.50	0.630	1.65	1.58
Jet A	0.5	0.37	0.58	0.24	0.245	0.214	0.191	0.117	0.117	0.267	0.12 U	0.095 U	0.094 U	0.100 U	0.100 U	0.108 U	0.100 U	0.100 U	0.100 U	0.58	0.52	0.48	2.12	0.635	0.863	0.397	1.09	1.09

															Well ID ³													
	Current														CPOC Area	•												
	Cleanup					GW224S									GW256S									GW257S				
Analyte	Level⁴	5/5/2016	11/7/2016	5/10/2017	11/14/2017	5/7/2018	11/12/2018	5/7/2019	11/11/2019	5/11/2020	5/5/2016	11/7/2016	5/10/2017	11/14/2017	5/7/2018	11/12/2018	5/7/2019	11/11/2019	5/11/2020	5/5/2016	11/7/2016	5/10/2017	11/14/2017	5/7/2018	11/12/2018	5/7/2019	11/11/2019	5/11/2020
Total Petroleum Hydrocar	bons (mg/L)																											
TPH-D (C12-C24)	0.5	1.2	1.4	0.73	1.84	0.560	1.56	0.256	1.46	0.675	0.094 U	0.095 U	0.096 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.095 U	0.095 U	0.095 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U
Jet A	0.5	2.3	2.2	1.4	1.97	0.933	1.64	0.388	1.80	0.918 J	0.11	0.095 U	0.096 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.095 U	0.095 U	0.095 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U

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

- Notes

 1. Data qualifiers are as follows:

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

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

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

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

Abbreviations
AOC = area of concern

CPOC = conditional point of compliance

mg/L = milligrams per liter SWMU = solid waste management unit

TPH-D = total petroleum hydrocarbons as diesel

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

Boeing Renton Facility, Renton, Washington

									Wel	I ID ³							
					Source	e Area							Downgradien	t Plume Area			
	Current				GW2	249S							GW ²	188 S			
Analyte	Cleanup Level⁴	11/14/2017	3/7/2018	5/8/2018	8/15/2018	11/13/2018	3/5/2019	8/14/2019	3/12/2020	11/14/2017	3/7/2018	5/8/2018	8/15/2018	11/13/2018	3/5/2019	8/14/2019	3/12/2020
Volatile Organic Compour	nds (µg/L)																
cis-1,2-Dichloroethene	0.78	NS	0.102	0.0757	0.0524	0.0829	0.079	0.0526	0.0604	NS	0.0606	0.0531	0.0386	0.0636	0.0493	0.0361	0.0362
Tetrachloroethene	0.02	NS	0.0496	0.020 U	0.020 U	0.020 U	0.0105	0.020 U	0.020 U	NS	0.020 U	0.020 U	0.020 U	0.020 U	0.0107	0.020 U	0.0244
Trichloroethene	0.16	NS	0.0475	0.0211	0.020 U	0.020 U	0.0157	0.020 U	0.020 U	NS	0.020 U	0.020 U	0.020 U	0.020 U	0.0125	0.020 U	0.020 U
Vinyl Chloride	0.24	NS	0.114	0.428	0.413	0.629	0.424	0.367	0.334	NS	0.443	0.505	0.404	0.813	0.537	0.545	0.235

										Well	ID ³								
										СРОС	Area								
	Current					GW247S									GW248I				
Analyte	Cleanup Level ⁴	5/8/2018	8/15/2018	11/13/2018	3/5/2019	5/8/2019	8/14/2019	11/12/2019	3/12/2020	5/13/2020	5/8/2018	8/15/2018	########	3/5/2019	5/8/2019	8/14/2019	########	3/12/2020	5/13/2020
Volatile Organic Compour	Analyte Cleanup Level 5/8/2018 8/15/2018 11/13/2018 3/5/2019 5/8/2019 5/8/2019 8/14/2019 11/12/2019 3/12/2020 5/13/2020 5/8/2018 8/15/2018 ######## 3/5/2019 5/8/2019 8/14/2019 ######## 3/12/2020 5/13/2020 5/13/2020 5/13/2020 5/8/2018 8/15/2018 ######## 3/5/2019 8/14/2019 ######## 3/12/2020 5/13/																		
cis-1,2-Dichloroethene	0.78	0.0949	0.081	0.102	0.0728	0.0584	0.065	0.0635	0.039	0.584	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.02 U	0.020 U
Tetrachloroethene	0.02	0.020 U	0.020 U	0.020 U	0.126	0.020 U	0.020 U	0.020 U	0.02 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Trichloroethene	0.16	0.0257	0.0291	0.0208	0.018	0.020 U	0.020 U	0.148	0.02 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.0514	0.020 U	0.020 U
Vinyl Chloride	0.24	0.46	0.453	0.679	0.392	0.497	0.613	0.504	0.305	0.409	0.573	0.526	0.987	0.707	0.551	0.541	0.62	0.499	0.546

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

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

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

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

Boeing Renton Facility, Renton, Washington

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

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

<u>Notes</u>

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

Abbreviations

mg/L = milligrams per liter

AOC = area of concern

CPOC = conditional point of compliance

SWMU = solid waste management unit

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

Boeing Renton Facility, Renton, Washington

	Current Cleanup				Sourc	II ID ³ se Area 009S			
Analyte	Levels 4	8/23/2016	3/6/2017	8/16/2017	3/6/2018	8/14/2018	3/5/2019	8/14/2019	3/10/2020
Volatile Organic Compoun	ds (µg/L)								
cis -1,2-Dichloroethene	0.08	0.16	0.093	0.15	0.0948	0.126	0.107	0.127	0.093
Trichloroethene	0.02	0.032	0.022	0.033	0.0252	0.0238	0.0239	0.020 U	0.0242
Vinyl Chloride	0.26	0.40	0.26	0.39	0.241 J	0.318	0.285	0.300	0.183

	Comment												We	I ID ³											
	Current												Downgradie	nt Plume Are	ea										
	Cleanup					/012S								014S								147S			
Analyte	Levels 4	8/23/2016	3/6/2017	8/16/2017	3/6/2018	8/14/2018	3/5/2019	8/14/2019	3/10/2020	8/23/2016	3/6/2017	8/16/2017	3/6/2018	8/14/2018	3/5/2019	8/14/2019	3/10/2020	8/23/2016	3/6/2017	8/16/2017	3/6/2018	8/14/2018	3/5/2019	8/14/2019	3/10/2020
Volatile Organic Compoun	ds (µg/L)																								
cis -1,2-Dichloroethene	0.08	5.2	1.6	0.95	0.609	1.29	1.23	0.798	0.482	0.17	0.13	0.18	0.134	0.122	0.119	0.143	0.151	16	0.16	3.0	0.211	4.63	0.955	4.11	0.287
Trichloroethene	0.02	3.0	0.11	0.098	0.0568	0.656	0.0546	0.0471	0.0505	0.025	0.043	0.039	0.0347	0.0273	0.0254	0.020 U	0.0419	3.6	1.5	2.6	1.91	4.23	0.475	1.46	1.20
Vinyl Chloride	0.26	2.5	2.0	1.4	0.586	0.605	1.35	0.893	0.603	0.30	0.30	0.31	0.266	0.232 J	0.214	0.365	0.195	3.1	0.020 U	0.21	0.020 U	1.07 J	0.0514	0.215	0.020 U

													Wel	I ID ³											
	Current												СРО	C Area											
	Cleanup				GW	149S							GW	150S							GW	252S			
Analyte	Levels 4	8/23/2016	3/6/2017	8/16/2017	3/6/2018	8/14/2018	3/5/2019	8/14/2019	3/10/2020	8/23/2016	3/6/2017	8/16/2017	3/6/2018	8/14/2018	3/5/2019	8/14/2019	3/10/2020	8/23/2016	3/6/2017	8/16/2017	3/6/2018	8/14/2018	3/5/2019	8/14/2019	3/10/2020
Volatile Organic Compoun	ds (µg/L)																								
cis -1,2-Dichloroethene	0.08	0.076	0.067	0.070	0.0565	0.0441	0.0623	0.0427	0.0574	0.10	0.055	0.091	0.0388	0.0506	0.0737	0.0824	0.0525	0.034	0.024	0.039	0.0215	0.0266	0.020 U	0.0342	0.0259
Trichloroethene	0.02	0.020 U	0.020 U	0.022	0.020 U	0.026	0.020 U	0.0305	0.020 U	0.0228	0.02 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U						
Vinyl Chloride	0.26	0.080	0.11	0.068	0.0854	0.0399	0.0843	0.0482	0.085	0.20	0.092	0.096	0.0596	0.0203	0.103	0.020 U	0.0541	0.020 U	0.020 U						

	Current								Wel CPOC	I ID ³ Area							
	Cleanup	GW2551 GW2545															
Analyte	Levels 4	8/23/2016	3/6/2017	8/16/2017	3/6/2018	8/14/2018	3/5/2019	8/14/2019	3/10/2020	8/23/2016	3/6/2017	8/16/2017	3/6/2018	8/14/2018	3/5/2019	8/14/2019	3/10/2020
Volatile Organic Compoun	ds (µg/L)																
cis -1,2-Dichloroethene	0.08	0.089	0.10	0.11	0.0991	0.0796	0.127	0.0917	0.0915	0.11	0.062	0.11	0.0589	0.0926	0.0983	0.116	0.0736
Trichloroethene	0.02	0.023	0.024	0.029	0.020 U	0.0204	0.0221	0.020 U	0.0212	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Vinyl Chloride	0.26	0.13	0.13	0.14	0.132	0.113	0.143	0.131	0.184	0.067	0.038	0.043	0.0303	0.0418	0.0749	0.0465	0.0405

Notes:

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

Abbreviations:

μg/L = micrograms per liter

AOC = area of concern

CPOC = conditional point of compliance

SWMU = solid waste management unit

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

Boeing Renton Facility, Renton, Washington

													We	II ID ³											
	Current				Sourc	e Area											Downgradien	t Plume Are	a						
	Cleanup				GW1	89S ⁵							GW	/1751							GW	176S			
Analyte	Levels ⁴	11/8/2016	3/2/2017	8/15/2017	3/5/2018	8/13/2018	3/5/2019	8/12/2019	3/11/2020	11/8/2016	3/2/2017	8/15/2017	3/5/2018	8/13/2018	3/5/2019	8/12/2019	3/11/2020	11/8/2016	3/2/2017	8/15/2017	3/5/2018	8/13/2018	3/5/2019	8/12/2019	3/11/2020
Volatile Organic Compounds	(µg/L)																								
1,1,2,2-Tetrachloroethane	0.17	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
1,1,2-Trichloroethane	0.2	1.00 U	0.40 U	0.20 U	0.20 U	2.00 U	0.20 U	0.20 U	0.20 U	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,1-Dichloroethene	0.057	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Acetone	300	25.1	10.0 U	5.0 U	5.00 U	70	5.00 U	5.0 U	5.0 U	NA	5.00 U	5.0 U	5.00 U	5.00 U	5.00 U	5.0 U	5.0 U	NA	5.00 U	5.38	5.00 U	5.00 U	5.00 U	5.0 U	5.0 U
Benzene	0.8	1.00 U	0.41	1.69	0.55	2.42	0.20	0.49	0.20 U	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Carbon Tetrachloride	0.23	1.00 U	0.40 U	0.20 U	0.20 U	2.00 U	0.20 U	0.20 U	0.20 U	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Chloroform	2	1.00 U	0.40 U	0.20 U	0.20 U	2.23	0.20 U	0.20 U	0.20 U	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
cis-1,2-Dichloroethene	2.4	1.16	1.18	2.23	1.74	22.3	0.92	6.87	0.20 U	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	0.25	0.34	0.26	0.27	0.25	0.27	0.25
Methylene Chloride	2	5.00 U	2.00 U	1.0 U	1.00 U	10.9 UJ	1.00 U	1.0 U	1.0 U	NA	1.00 U	1.0 U	1.00 U	1.00 U	1.00 U	1.0 U	1.0 U	NA	1.00 U	1.0 U	1.00 U	1.00 U	1.00 U	1.0 U	1.0 U
Tetrachloroethene	0.05	0.0549	0.020 U	0.020 U	0.020 U	0.20 U	0.028	0.020 U	0.0263	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Toluene	75	13.1	18.7	2.84	6.34	21.7	4.96	3.11	0.20 U	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	0.20 U	0.20 U	0.42	0.20 U	0.20 U	0.20 U	0.20 U
trans-1,2-Dichloroethene	53.9	1.00 U	0.56	0.40	0.48	2.00 U	0.20 U	0.39	0.20 U	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Trichloroethene	0.08	0.19	0.156	0.279	0.224	2.38	0.156	0.414	0.0745	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Vinyl Chloride	0.13	0.020 U	0.48	1.00	0.508 J	2.09 J	0.50	1.20	0.020 U	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	NA	0.260	0.286	0.208	0.230	0.294	0.301	0.207
Total Petroleum Hydrocarbon	ns (µg/L)																								
TPH-G (C7-C12)	800	2,290	2,260	2,010	1,860	9,440	1,070	943	189	NA	100 U	100 U	100 U	100 U	100 U	100 U	100 U	NA	100 U	100 U	100 U	100 U	100 U	100 U	100 U
TPH-D (C12-C24)	500	146	398	689	200	4,120	362	432	100 U	NA	100 U	100 U	100 U	100 U	100 UJ	100 U	100 U	NA	100 U	100 U	100 U	100 U	100 UJ	100 U	100 U
TPH-O (C24-C40)	500	200 U	582	949	298	2,000 U	522	853	200 U	NA	200 U	200 U	200 U	200 U	200 UJ	200 U	200 U	NA	200 U	200 U	200 U	200 U	200 UJ	200 U	200 U

													Wel	I ID ³											
	Current												Shallow Zon	e CPOC Area	<u> </u>										
	Cleanup				GW	178S							GW	180S							GW2	207S			
Analyte	Levels 4	11/8/2016	3/2/2017	8/15/2017	3/5/2018	8/13/2018	3/5/2019	8/12/2019	3/11/2020	11/8/2016	3/2/2017	8/15/2017	3/5/2018	8/13/2018	3/5/2019	8/12/2019	3/11/2020	11/8/2016	3/2/2017	8/15/2017	3/5/2018	8/13/2018	3/5/2019	8/12/2019	3/11/2020
Volatile Organic Compounds	(μg/L)																								
1,1,2,2-Tetrachloroethane	0.17	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
1,1,2-Trichloroethane	0.2	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,1-Dichloroethene	0.057	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	NA	0.020 U	0.020 U	0.020 U	0.023	0.020 U	0.020 U	0.020 U
Acetone	300	NA	5.00 U	5.0 U	5.00 U	5.00 U	5.54	5.0 U	5.0 U	NA	5.00 U	5.0 U	5.00 U	5.00 U	5.00 U	5.0 U	5.0 U	NA	5.00 U	5.0 U	5.00 U	5.00 U	5.00 U	5.0 U	5.0 U
Benzene	0.8	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.23	0.20 U	0.20 U	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Carbon Tetrachloride	0.23	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Chloroform	2	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
cis-1,2-Dichloroethene	2.4	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	0.20 U	0.29	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Methylene Chloride	2	NA	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	NA	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	NA	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
Tetrachloroethene	0.05	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Toluene	75	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
trans-1,2-Dichloroethene	53.9	NA	0.20 U	0.26	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Trichloroethene	0.08	NA	0.020 U	0.0277	0.0214	0.0213	0.0213	0.020 U	0.021	NA	0.020 U	0.026	0.020 U	0.020 U	0.020 U	0.0239	0.020 U	NA	0.020 U	0.0412	0.020 U	0.0388	0.020 U	0.0305	0.020 U
Vinyl Chloride	0.13	NA	0.699	0.191	0.409	0.378	0.392	0.3840	0.1840	NA	0.020 U	0.0395	0.020 U	0.020 U	0.020 U	0.0485	0.020 U	NA	0.0758	0.2380	0.0300	0.311 J	0.0692	0.020 U	0.020 U
Total Petroleum Hydrocarbor	ns (µg/L)																								
TPH-G (C7-C12)	800	NA	100 U	100 U	100 U	100 U	100 U	100 U	100 U	NA	100 U	100 U	100 U	100 U	100 U	100 U	100 U	NA	100 U	100 U	100 U	100 U	100 U	100 U	100 U
TPH-D (C12-C24)	500	NA	100 U	100 U	100 U	100 U	100 UJ	100 U	100 U	NA	100 U	100 U	100 U	100 U	100 UJ	100 U	100 U	NA	100 U	100 U	100 U	100 U	100 UJ	100 U	100 U
TPH-O (C24-C40)	500	NA	200 U	200 U	200 U	200 U	200 UJ	200 U	200 U	NA	200 U	200 U	200 U	200 U	200 UJ	200 U	200 U	NA	200 U	200 U	200 U	200 U	200 UJ	200 U	200 U

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

Boeing Renton Facility, Renton, Washington

										Docing .	rteritori i at	inty, recrite	ii, vvasiiii	91011											
													Wel	I ID ³											
	Current				Shallow Zon	e CPOC Area	1									Int	ermediate Zo	one CPOC Ar	·ea						
	Cleanup				GW	2085							GW	1631							GW	1651			
Analyte	Levels 4	11/8/2016	3/2/2017	8/15/2017	3/5/2018	8/13/2018	3/5/2019	8/12/2019	3/11/2020	11/8/2016	3/2/2017	8/15/2017	3/5/2018	8/13/2018	3/5/2019	8/12/2019	3/11/2020	11/8/2016	3/2/2017	8/15/2017	3/5/2018	8/13/2018	3/5/2019	8/12/2019	3/11/2020
Volatile Organic Compounds	(µg/L)																								
1,1,2,2-Tetrachloroethane	0.17	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
1,1,2-Trichloroethane	0.2	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,1-Dichloroethene	0.057	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Acetone	300	NA	5.00 U	5.0 U	5.00 U	5.00 U	5.00 U	5.0 U	5.0 U	NA	5.00 U	5.0 U	5.00 U	5.00 U	6.90	5.0 U	5.0 U	NA	5.00 U	5.0 U	5.00 U	5.00 U	5.00 U	5.0 U	5.0 U
Benzene	0.8	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Carbon Tetrachloride	0.23	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Chloroform	2	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
cis-1,2-Dichloroethene	2.4	NA	0.20 U	0.23	0.20	0.20 U	0.21	0.20 U	0.20 U	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Methylene Chloride	2	NA	1.00 U	1.0 U	1.00 U	1.00 U	1.00 U	1.0 U	1.0 U	NA	1.00 U	1.0 U	1.00 U	1.00 U	1.00 U	1.0 U	1.0 U	NA	1.00 U	1.0 U	1.00 U	1.00 U	1.00 U	1.0 U	1.0 U
Tetrachloroethene	0.05	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Toluene	75	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
trans-1,2-Dichloroethene	53.9	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Trichloroethene	0.08	NA	0.020 U	0.0281	0.020 U	0.0234	0.020 U	0.0293	0.020 U	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Vinyl Chloride	0.13	NA	0.565	0.330	0.388	0.097	0.437	0.245	0.419	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Total Petroleum Hydrocarbo	ns (µg/L)																								
TPH-G (C7-C12)	800	NA	100 U	100 U	100 U	100 U	100 U	100 U	100 U	NA	100 U	100 U	100 U	100 U	100 U	100 U	100 U	NA	100 U	100 U	100 U	100 U	100 U	100 U	100 U
TPH-D (C12-C24)	500	NA	100 U	100 U	100 U	100 U	100 UJ	100 U	100 U	NA	100 U	100 U	100 U	100 U	100 UJ	100 U	100 U	NA	100 U	100 U	100 U	100 U	100 UJ	100 U	100 U
TPH-O (C24-C40)	500	NA	200 U	200 U	200 U	200 U	200 UJ	200 U	200 U	NA	200 U	200 U	200 U	200 U	200 UJ	200 U	200 U	NA	200 U	200 U	200 U	200 U	200 UJ	200 U	200 U

									Wel	l ID³							
	Current							In	termediate Z	one CPOC A	rea						
	Cleanup				GW	1771							GV	V179I			
Analyte	Levels ⁴	11/8/2016	3/2/2017	8/15/2017	3/5/2018	8/13/2018	3/5/2019	8/12/2019	3/11/2020	11/8/2016	3/2/2017	8/15/2017	3/5/2018	8/13/2018	3/5/2019	8/12/2019	3/11/2020
Volatile Organic Compounds	(μg/L)																
1,1,2,2-Tetrachloroethane	0.17	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
1,1,2-Trichloroethane	0.2	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,1-Dichloroethene	0.057	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Acetone	300	NA	5.00 U	7.08	5.00 U	5.00 U	5.00 U	5.0 U	5.0 U	NA	5.00 U	5.0 U	5.00 U	5.00 U	7.16	5.0 U	5.0 U
Benzene	0.8	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Carbon Tetrachloride	0.23	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Chloroform	2	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
cis-1,2-Dichloroethene	2.4	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Methylene Chloride	2	NA	1.00 U	1.0 U	1.00 U	1.00 U	1.00 U	1.0 U	1.0 U	NA	1.00 U	1.0 U	1.00 U	1.00 U	1.00 U	1.0 U	1.0 U
Tetrachloroethene	0.05	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Toluene	75	NA	0.20 U	0.20 U	0.25	0.20 U	0.20 U	0.20 U	0.20 U	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
trans-1,2-Dichloroethene	53.9	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Trichloroethene	0.08	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Vinyl Chloride	0.13	NA	0.1820	0.0871	0.0454	0.0303	0.0573	0.0339	0.020 U	NA	0.0632	0.020 U	0.0332	0.020 U	0.1330	0.0368	0.020 U
Total Petroleum Hydrocarbo	ns (µg/L)																
TPH-G (C7-C12)	800	NA	100 U	100 U	100 U	100 U	100 U	100 U	100 U	NA	100 U	100 U	100 U	100 U	100 U	100 U	100 U
TPH-D (C12-C24)	500	NA	100 U	100 U	100 U	100 U	100 UJ	100 U	100 U	NA	100 U	100 U	100 U	100 U	100 UJ	100 U	100 U
TPH-O (C24-C40)	500	NA	200 U	200 U	200 U	200 U	200 UJ	200 U	200 U	NA	200 U	200 U	200 U	200 U	200 UJ	200 U	200 U

Notes:

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

Abbreviations:

 μ g/L = micrograms per liter

AOC = area of concern

CPOC = conditional point of compliance

NA = well not available for sampling

SWMU = solid waste management unit

TPH-D = total petroleum hydrocarbons as diesel

TPH-G = total petroleum hydrocarbons as gasoline

TPH-O = total petroleum hydrocarbons as oil

wood.

Appendix E

APPENDIX E

Summary of Remedial Actions at the Boeing Renton Facility April - June 2020

Boeing Renton Site Renton, Washington

Prepared for: The Boeing Company EHS Remediation

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

August 15, 2020

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Attachment B TO-15 Laboratory Data Package

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Figure 1-1 Site Location/AOC Outlines
Figure 2-1 SWMU-172/174 Area SVE System Layout

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

Acronyms

AOC Area of Concern

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

CALIBRE Systems, Inc.

CMP Compliance Monitoring Plan EDR Engineering Design Report

ERD Enhanced Reductive Dechlorination

GAC granular activated carbon mg/L milligrams per liter PCE Tetrachloroethene

PID Photoionization detector
SVE Soil Vapor Extraction

SWMU Solid Waste Management Unit

TCE Trichloroethene

Tech Memo Technical Memorandum VOCs Volatile Organic Compounds

VPC Vapor Phase Carbon

1.0 Introduction

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

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

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

1.1 Facility Location and Background

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

1.2 Objectives and Organization

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

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

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

Section 3 – Groundwater Treatment

Section 4 – Conclusions and Recommendations

Section 5 - References

Attachment A - Field Data Sheets

2.0 SVE Systems Operation and Monitoring

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

2.1 SWMU-172/174 SVE System

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

Routine maintenance including oil changes, drive-belt tensioning and inspection, inspection of the air filter, and inspection of the moisture separator was completed per the Operations Manual (CALIBRE, 2014). System monitoring includes regular monitoring of total organic vapor concentrations with a calibrated PID.

2.1.1 TO-15 Laboratory Analysis of Vapor Samples

A total of six samples for TO-15 analysis were collected during this operating period. The results showed tetrachloroethene (PCE) represented approximately 85% of the total VOCs for the SWMU-172/174 SVE system influent, SVE-2 and SVE-3 samples after one hour of operation after system startup. The results after 48 hours of operation showed a small decrease in PCE at each sample location and an increase in trichloroethene (TCE) at the system influent and SVE-3. PCE represented 34% and 53% of the total VOCs for

the system influent and SVE-3 samples, respectively. Table 2-1 summarizes the TO-15 detections for the SWMU-172/174 SVE system for 16 TO-15 sampling events¹ that have been implemented since system startup. The samples were analyzed by EuroFins Air Toxics and the laboratory report is included in Attachment B.

2.1.2 Summary of Operations and Operational Changes

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

During this reporting period, second quarter 2020, the system operated with SVE-1 as an air inlet well with extraction at SVE-2 and SVE-3. 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 Attachment A.

- During the previous operating period, March 13, 2020, the system was turned off in response to health and safety concerns related to COVID-19 and the need to regularly inspect the site and system. The system was restarted on May 19, 2020 after the Washington State Stay-at-Home Order was lifted.
- The system downtime between March 2020 and May 2020 was used as a rebound test/rest period and samples were collected for TO-15 analysis upon system startup in May 2020. Three samples were collected after approximately one hour of operation on May 19, 2020, from the system influent, SVE-2 and SVE-3. No significant change in PID measurements were observed after approximately three hours of operation therefore subsequent samples were collected following two days of operation at the system influent, SVE-2 and SVE-3.

2.1.3 Mass Removal Estimate

Between April 17, 2015 and June 30, 2020 the SWMU-172/174 SVE system has recovered an estimated 20.6 pounds of VOCs (primarily PCE), as shown in Table 2-3. Approximately 0.69 pounds of VOCs were removed

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.

during the current reporting period (second quarter 2020) based on the TO-15 measurements collected while the system was operating. It is likely the PID is picking up other vapors from the paint shop in the 5-09 building; the area around the 5-09 building can at times have a noticeable paint odor. The cumulative VOC mass removal for the SWMU-172/174 SVE system is shown in Figure 2-2.

2.2 Recommended Next Steps for the SVE Systems

TO-15 results in May 2019 at the SWMU-172/174 SVE system showed VOC concentrations had rebounded during the shutdown time (from COVID-19 restrictions), compared to previous TO-15 results in June 2019. After a month and a half of operation (early July 2020), influent PID measurements have declined but remain elevated above prior low-level concentrations.

If 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 can samples for TO-15 analysis will be planned for the third quarter 2020 to monitor changes in vapor concentrations if observed.

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

3.0 Ongoing Groundwater Treatment

Groundwater treatment is being implemented at several AOCs/SWMUs at the Renton Facility. The primary remedy being implemented is ERD of chlorinated solvents in targeted areas. The ERD treatment involves substrate injection using sucrose as a carbon source to stimulate biological degradation of the chlorinated solvents.

Beginning in late 2017, anaerobic biodegradation of benzene using nitrate and sulfate injections was implemented for a small area at the 4-78/79 Building. Boeing has continued additional nitrate/sulfate injections in the area; the most recent injection was completed in January 2020 (seventh event) with a target concentration of 1,600 mg/L for nitrate and 800 mg/L for sulfate per well (double what was injected in Dec 2018 and Mar 2019) to provide additional nitrate and sulfate to the impacted area. Additional nitrate/sulfate injections in this area are recommended for the third quarter 2020 with injections performed at the same wells used previously (B78-11, B78-13, B78-17, B78-18, B78-19, B78-20, and B78-21). Performance monitoring data will be planned for collection approximately 30 days after the injection event.

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 including SWMU-172/174, Building 4-78/79, AOC-060, AOC-090, AOC-003, and Apron A. Table 3-2 includes a list of wells by area proposed for injections.

4.0 Conclusions and Recommendations

SVE operations at the SWMU-172/174 were re-started during this reporting period following the planned shut down in response to the on-going COVID-19 virus and the Governor's Stay-at-Home Order. The system down time was equivalent to a rebound rest period and, upon system restart, samples for TO-15 analysis were collected from the SVE system. Those results showed VOC concentrations had rebounded during the down time, compared to the prior TO-15 influent sample in June 2019. Additional modifications to increase flushing between extraction wells SVE-2 and SVE-3, based on the elevated PCE detections observed during the soil confirmation sampling event in the second quarter of 2018, may be considered.

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

Additional nitrate/sulfate injections are recommended for the benzene treatment area at the 4-78/79 Building area and substrate injections for ERD treatment are also recommended at selected wells at the SWMU-172/174, 4-78/79 Building area, AOC-060, AOC-090, AOC-003, and Apron A areas.

5.0 References

AMEC 2014. Draft Engineering Design Report Boeing Renton Cleanup Action Plan Implementation. Prepared by AMEC Environment & Infrastructure, Inc. for The Boeing Company. July 2014.

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

CALIBRE 2017. Bioremediation of Benzene in Groundwater; Building 4-78/79 Area, Boeing Renton Facility Rev. 1. Prepared by CALIBRE Systems, Inc. for The Boeing Company, EHS Remediation. September 2017.

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

CALIBRE 2018b. Plan for Evaluation of Soils around Probe PP13 at Building 4-78/4-79 SWMU/AOC Group; Boeing Renton Site. Prepared by CALIBRE Systems, Inc. for The Boeing Company, EHS Remediation. November 2018.

Ecology 2015. Washington State Water Quality Standards: Human Health Criteria and Implementation Tools. Prepared by the Washington Department of Ecology. Publication no. 14-10-058. January 2015.

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

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

TABLES

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

SVE System Inlet

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

SVE-1

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

SVE-2

			cis-1,2-	trans-1,2-	Vinyl										Total	Total
Date	PCE	TCE	DCE	DCE	Chloride	1,1,1-TCA	1,1-DCA	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
5/19/20 - Rebound Start	28	3.8	1.4	ND	ND	1.6	ND	ND	ND	ND	ND	ND	ND	ND	35	35
5/21/20 - Rebound 48																
Hrs	20	3.4	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	26	26

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

SVE-3

3VE-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
5/19/20 - Rebound Start	350	49	14	ND	ND	10	2.0	ND	ND	ND	ND	ND	ND	ND	425	425
5/21/20 - Rebound 48	,															
Hrs	290	240	9.8	ND	ND	5.9	ND	ND	ND	ND	ND	ND	ND	ND	546	546

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 2nd Quarter 2020.

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

	Days in Operation							
Date	Since Startup 1	SVE-01	SVE-02	SVE-03	VPC Inlet	VPC Mid	VPC Outlet	Notes
3/13/2020	1,629	Vent						System shut down in response to COVID-19 and Boeing limited access.
3/13/2020	1,023	VCIIC						boeing immeed decess.
5/19/2020	1,629	Vent	368	9,021	6,456			Reconfigure carbon hoses to operate system (was set up to dry carbon in vessel). Turn system on, adjust air intake, recycle valve and close bleed valve. Readings at 0850
								Readings at 0930. Collected TO-15 samples
								from Influent, SVE-2, and SVE-3 ~ 60 min after
5/19/2020	1,629	Vent	836	10,410	6,188			startup.
5/19/2020	1,629	Vent	1,036	10,300	6,410			Readings at 1120. No significant change in PID after ~ 180 min of operation. Will collect additional TO-15 samples in two days.
5/21/2020	1,631	Vent	504	4,324	3,159			Onsite to collect additional TO-15 samples from Influent, SVE-2, SVE-3 to monitor rebound.
6/11/2020	1,652	Vent	2,512	9,951	7,521			
7/2/2020	1,673	Vent	742	2,414	1,720		0	Changed blower oil

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

Date	Average TO-15 Total CVOCs May 2020 (ppbv) ¹	System Flow (cfm)	Cumulative Runtime Hours	VOCs removed in Operating Period Between Monitoring Events (lbs)	Cumulative VOC Mass Removed Since Start of SVE Operations in April, 2015 (lbs)
5/19/2020	267	105	31,281	0.000	19.94
5/21/2020	267	105	31,329	0.033	19.97
6/11/2020	267	100	31,832	0.326	20.30
7/2/2020	267	100	32,335	0.326	20.62

Notes:

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

lbs = pounds

¹ VOC mass calculated in 2nd Quarter 2020 is based on the average of the total VOCs detected in the May 2020 TO-15 samples from the system influent. The paired PID readings are significantly higher than the laboratory results and if used, would overestimate the mass removal.

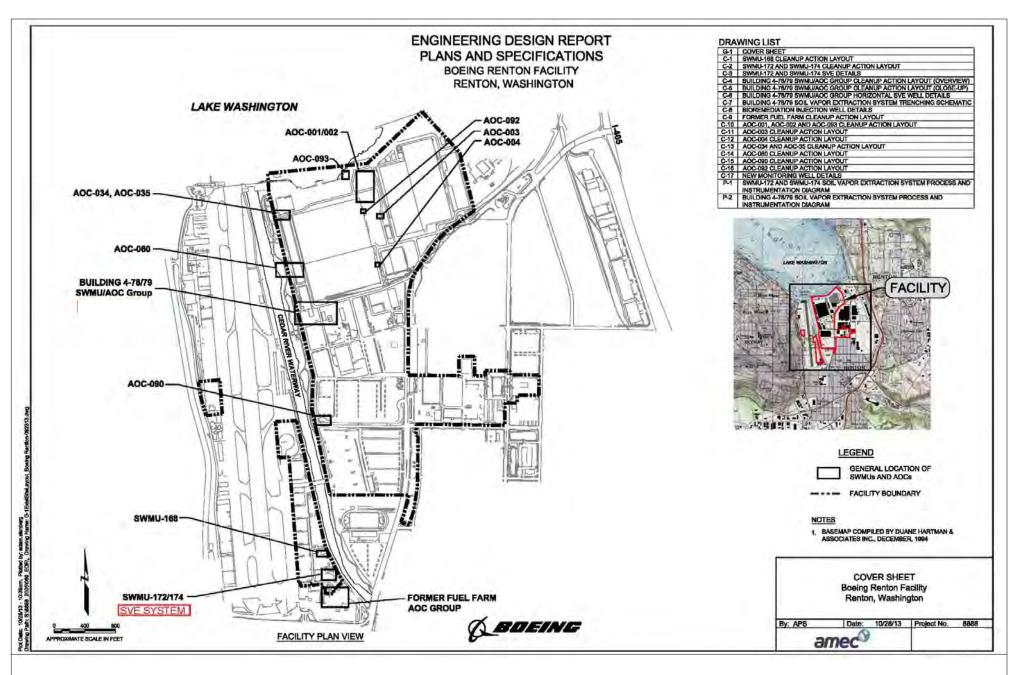
Table 3-1 Groundwater Monitoring Results Summary May 2020 and Recommended ERD Treatment

GW Treatment Area	Source and down gradient MWs	CPOC wells	Treatment IWs	ERD Treatment Recommendation
SWMU-172/174	5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	All detections are at or below 0.35 ug/L	Prior data Mar 2018, North and South IWS showed total CVOCs range from 0.03 ug/L to 6.90 ug/L. TOC near background.	Detections are low throughout the site, but have increased in the source area, GW152S. Additional injections are beneficial to maintain aggressive treatment strategy.
Building 4-78/4-79 SWMU/AOC Group	2017 results of 1,430 ug/L but have increased from prior	Majority of detections are ND; Northern well GW237S showed benzene decrease from 3.48 ug/L in Mar 2020 to 1.03 in May 2020.	Prior data May 2017, 4 of 5 wells with low detections where sum of CVOCs are less than 3 ug/L	CVOC detections have increased at source well GW033S. Recommend substrate injection in selected IWs/areas around GW033S. Additional nitrate/sulfate injections recommended for the area around GW-031S.
AOC-001/002	Prior data Mar 2020: Source MW: TCE is 0.03 ug/L, cisDCE is 0.49 ug/L and VC is 0.27 ug/L.	Prior data Aug 2019: All detections below 0.30 ug/L.	Prior data Mar 2018, detections at or below 0.30 ug/L.	Detections are very low throughout the site. Will consider additional injections if beneficial. Site still not accessible due to construction
AOC-003	Prior data Mar 2020: All detections are less than 0.33 ug/L.	PCE and TCE are ND, cisDCE and VC detections are less than 0.58 ug/L.	Prior data May 2017 one of four IWs sampled – VC detection less than 0.30 ug/L	Detections are very low throughout the site. Additional injections are recommended to maintain aggressive treatment strategy.
Lot 20 / former 10-71	All wells are ND.	-	-	No action at this time.
AOC-60	Not sampled May 2020. Prior data March 2020, total CVOCS less than 0.41 ug/L; treatment MWs with total CVOCs less than 1.5 ug/L.	Prior data March 2020, MW's with total CVOCs less than 0.30 ug/L.	-	Detections are very low throughout the site. Additional injections are recommended to maintain aggressive treatment strategy.
AOC – 90	Not sampled May 2020. Prior data March 2020, source with total CVOCs at 0.10 ug/L; down gradient wells less than 0.46 ug/L total CVOCs.	Prior data March 2020, detections less than 0.42 ug/L.	-	Detections are very low throughout the site. Additional injections are recommended to maintain aggressive treatment strategy.
Apron A	GW262S ND; GW264S with VC at 1.48 ug/L.	-	-	Detections are very low throughout the site. Additional injections are recommended to maintain aggressive treatment strategy.
Building 4-70	-	Prior data March 2020, total CVOCs less than 0.63 ug/L.	-	Detections are very low throughout the site. Will consider additional injections if beneficial.

Table 3-2 - Injection Proposal at Renton AOCs

Area	Injection Well	Injection Type
SWMU-172/174	B172-01	Sucrose for ERD
	B172-02	Sucrose for ERD
	B172-03	Sucrose for ERD
	B172-04	Sucrose for ERD
	B172-05	Sucrose for ERD
	B172-06	Sucrose for ERD
	B172-07	Sucrose for ERD
	B172-08	Sucrose for ERD
	B172-09	Sucrose for ERD
	B172-10	Sucrose for ERD
	B172-11	Sucrose for ERD
	B172-12	Sucrose for ERD
	B172-13	Sucrose for ERD
	B172-14	Sucrose for ERD
Building 4-78/79	B78-12	Sucrose for ERD
	B78-14	Sucrose for ERD
	B78-15	Sucrose for ERD
	B78-16	Sucrose for ERD
	B78-11	Nitrate/Sulfate for benzene treatment
	B78-13	Nitrate/Sulfate for benzene treatment
	B78-17	Nitrate/Sulfate for benzene treatment
	B78-18	Nitrate/Sulfate for benzene treatment
	B78-19	Nitrate/Sulfate for benzene treatment
	B78-20	Nitrate/Sulfate for benzene treatment
	B78-21	Nitrate/Sulfate for benzene treatment
AOC-060	GW012S	Sucrose for ERD
	GW147S	Sucrose for ERD
AOC-090	IPR3	Sucrose for ERD
	IPR4	Sucrose for ERD
	GW 189S	Sucrose for ERD
Apron A	GW 263S	Sucrose for ERD
-	GW 264S	Sucrose for ERD
	GW 265S	Sucrose for ERD
AOC-003	B003-01	Sucrose for ERD
	B003-02	Sucrose for ERD
	B003-03	Sucrose for ERD
	B003-04	Sucrose for ERD

FIGURES



CALIBRE Systems, Inc.

Figure 1-1 Site Location/ AOC Outlines

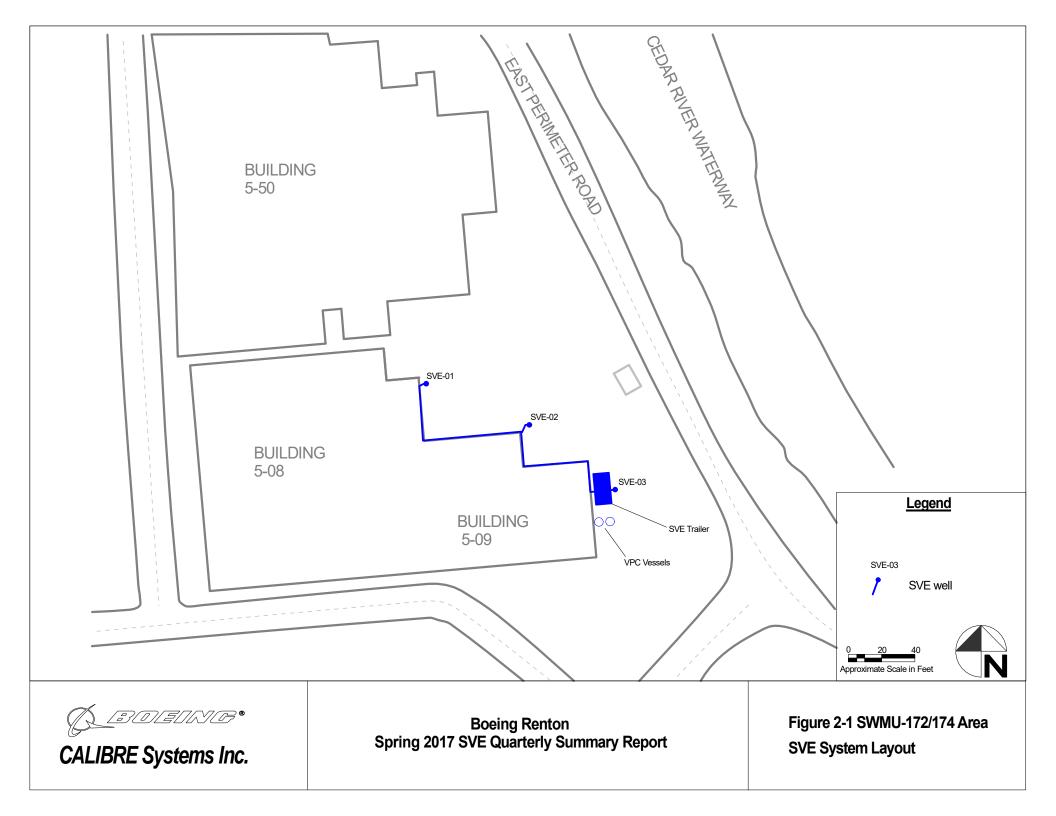
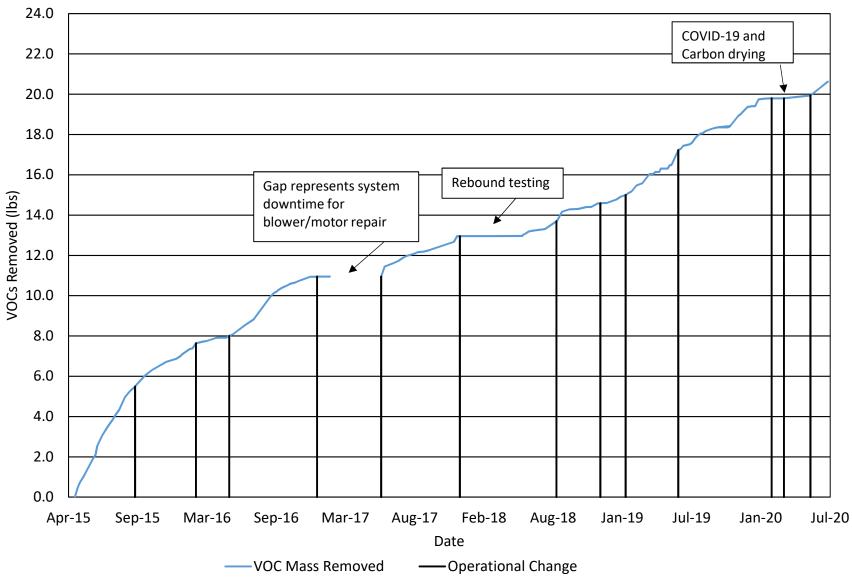


Figure 2-2 Cumulative VOC Mass Removed - SWMU-172/174 SVE System



^{*}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 Date: Periodic systems	check.		Date of last inspection:
1) Check flowrate	vacuum. D	ressure, m	pisture separator, water storage drums
2) Check each S\	/E well, VPC	inlet and	VPC outlet with PID.
		Opera	ational Parameters - Monitoring interval is variable.
Inspection Time	: 0800		Motor Hours: 813.7
Blower	Curren	t Value	Other Notes
Vacuum gauge	Initial 28 "420	1 After Adj.	Person on open sue 203, SUE I Vent, per
Pressure gauge	90" 1120	10 "Hz0	PID 208 0030 Collect TO-15 C 60min
System flow rate	42 scFm	105ScFm	1 SUE2- Q 3/ /741 SUE-2-60 -081970 C
Blower Temperature	688	62°F	SUE 3 - 7.944/9021 SUE 3 - 9,229/10.411 ppm SUE 3-60-051920 @ 0945
Temp.at lag VPC discharge	NT		Als significant and sain DID @ 3 kgs (1120) will come back
Other notes: ch	neck oil leve	I, drive belt	s, TEFC motor fan, any unusual noise/vibration in 48 hr + ceche / Samph

PID Model:	PB RAE		Details:	0.0 77	4 / 10.00 PP	m	
Calibration time		0 0000	PID check	k after monitor	ing:		
Sampling Point	Time	PID Reading (1)	PID Reading (2)	Vacuum	Flow Rate (gauge)	Differential Pressure	Flow Rate Calculated ¹
SVE-01	Vent						
SVE-02	1120	1,036 276	939 276				
SVE-03		10.22 ppm	10.30 pgm				
VPC Inlet		10.22 ppm 6,410 ppb	6,336ppb				
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 Nest At the Completion of a moni	e @ (360) 981-5606 toring event scan monitoring forms and e	mail to Justin Neste: Justin.Nes	te@calibresys.com
Signature	Josephin Nester Printed Name	Signature	5/19/20 Date

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

) Check each SV	F well VPC inlet and	noisture separator, water storage drums I VPC outlet with PID. Pational Parameters - Monitoring interval is variable.	
Inspection Time:		Motor Hours: 861-9	
Blower	Current Value	Other Notes	
Vacuum gauge	46"420	onsite to recheck / Sample system	
Pressure gauge	10 " Hzd	To-15 samples	
System flow rate	105 ScFM	SUE-IN-B-052120 @ 0910	
Blower Temperature	113°F	SUE-2-8-052120 @ 0915	
Temp.at lag VPC discharge	NT	ts, TEFC motor fan, any unusual noise/vibration	

PID Model:	PBRAE	3000	Details:	0 276	110.00 PP	m					
		120 0830	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	0850	50 4 ppb	483 ppb								
SVE-03	A	4,087 276									
VPC Inlet		3,136 200	3,159 ppb								
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 At the Completion of a monitor	@ (360) 981-5606 oring event scan monitoring forms and e	email to Justin Neste: Justin.Neste	@calibresys.com
Signature	Justin Neste Printed Name	Signature	5/21/20 Date

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

Inspection Time:	-	Operational Motor	Paramet Hours:			is variable.		
	0725	37,00,000	1100101	1 364.		er Notes		***
Blower Vacuum gauge	Current				Oti	iei Notes		
	55"Hz	o .						
Pressure gauge	5"42	9						
System flow rate	100 SCF	m						
Blower Temperature	11305							
Temp.at lag VPC discharge			a trans					
Other notes: che	eck oil level, o	drive belts, TEFC	motor f	an, any unu	ısual noise/vi	bration		
PID Model:	PBRAE	3000		Details:	1	10.00 ==	in	
Calibration time/	date:	120 0725	5	PID check	after monitor	ing:		
Sampling Point	Time	PID Reading (1)	Reading PID Reading Vacuum Flow Rate I		Differential Pressure	Flow Rate Calculated		
SVE-01	vent							
SVE-02		2,512 700	2,4	03 ppb				
SVE-03		9,319 PP6	9,9	51 ppb				
VPC Inlet		7521 AB	6,419					
VPC Midpoint								
VPC Outlet	1 == 1							
Other vapor point								
Duestions? Call Ju	ustin Neste @	e equation Flow Rate (360) 981-5606	5				n.Neste@calibre	esys.com

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

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

PID Model: PPB RAE 300		Details:	Details: 0.0 / 9,999 ppb				
Calibration time/ date: 7/2/20 0830			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	Ve	T					
SVE-02		742 ppb	689 ppb				
SVE-03		2,320 pps	2,414 ppb				
VPC Inlet		1,690 ppb	2,414 ppb				
VPC Midpoint							
VPC Outlet		0 026	0 276				
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 moni	e @ (360) 981-5606 toring event scan monitoring forms and	email to Justin Neste: Justin.Nest	e@calibresys.com
	Justin Neste	(him	7/2/20
Signature	Printed Name	Signature	Date

Attachment B: TO-15 Laboratory Data Package



6/8/2020 Mr. Justin Neste CALIBRE, Environmental Technology Solutions 20926 Pugh Rd NE

Poulsbo WA 98370

Project Name: Renton 5-09

Project #:

Workorder #: 2005571

Dear Mr. Justin Neste

The following report includes the data for the above referenced project for sample(s) received on 5/26/2020 at Air Toxics Ltd.

The data and associated QC analyzed by TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics Inc. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Alexandra Winslow at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Alexandra Winslow

Project Manager



WORK ORDER #: 2005571

Work Order Summary

CLIENT: Mr. Justin Neste BILL TO: Accounts Payable

> CALIBRE, Environmental Technology **Eurofins Lancaster Laboratories**

Solutions

Environmental, LLC 20926 Pugh Rd NE 2425 New Holland Pike Poulsbo, WA 98370 Lancaster, PA 17605-2425

PHONE: 360-981-5606 P.O. #

FAX: PROJECT # Renton 5-09

DATE RECEIVED: 05/26/2020 **CONTACT:** Alexandra Winslow

DATE COMPLETED: 06/08/2020

FRACTION #	<u>NAME</u>	TEST	RECEIPT <u>VAC./PRES.</u>	FINAL <u>PRESSURE</u>
01A	SVE-IN-60-051920	TO-15	3.5 "Hg	15 psi
02A	SVE-2-60-051920	TO-15	2.5 "Hg	15 psi
03A	SVE-3-60-051920	TO-15	3.0 "Hg	15 psi
04A	SVE-IN-B-052120	TO-15	4.0 "Hg	15 psi
05A	SVE-2-B-052120	TO-15	2.0 "Hg	15 psi
06A	SVE-3-B-052120	TO-15	2.5 "Hg	15 psi
07A	Lab Blank	TO-15	NA	NA
08A	CCV	TO-15	NA	NA
09A	LCS	TO-15	NA	NA
09AA	LCSD	TO-15	NA	NA

	the	ide /	Tayes		
CERTIFIED BY:	0	0	0	DATE:	06/08/20

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP - E87680, LA NELAP - 02089, NH NELAP - 209218, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-18-13, UT NELAP - CA009332019-11, VA NELAP - 460197, WA NELAP - C935

Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)

Accreditation number: CA300005-011, Effective date: 10/18/2019, Expiration date: 10/17/2020.

Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, LLC.



LABORATORY NARRATIVE EPA Method TO-15 CALIBRE, Environmental Technology Solutions Workorder# 2005571

Six 1 Liter Summa Canister samples were received on May 26, 2020. The laboratory performed analysis via EPA Method TO-15 using GC/MS in the full scan mode.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

A single point calibration for TPH referenced to Gasoline was performed for each daily analytical batch. Recovery is reported as 100% in the associated results for each CCV.

Dilution was performed on sample SVE-3-60-051920 due to the presence of high level target species.

The hydrocarbon profile present in sample SVE-IN-B-052120 did not resemble that of commercial gasoline. Results were calculated using the response factor derived from the gasoline calibration.

Definition of Data Qualifying Flags

Ten qualifiers may have been used on the data analysis sheets and indicates as follows:

- B Compound present in laboratory blank greater than reporting limit (background subtraction not performed).
 - J Estimated value.
 - E Exceeds instrument calibration range.
 - S Saturated peak.
 - Q Exceeds quality control limits.
- U Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.
 - UJ- Non-detected compound associated with low bias in the CCV
 - N The identification is based on presumptive evidence.
 - M Reported value may be biased due to apparent matrix interferences.
 - CN See Case Narrative.

File extensions may have been used on the data analysis sheets and indicates as follows:

- a-File was requantified
- b-File was quantified by a second column and detector
- r1-File was requantified for the purpose of reissue



Summary of Detected Compounds EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: SVE-IN-60-051920

Lab ID#: 2005571-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	1.1	5.7	4.5	23
1,1,1-Trichloroethane	1.1	4.0	6.2	22
Trichloroethene	1.1	17	6.2	91
Tetrachloroethene	1.1	150	7.8	1000

Client Sample ID: SVE-2-60-051920

Lab ID#: 2005571-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	1.1	1.4	4.4	5.6
1,1,1-Trichloroethane	1.1	1.6	6.0	8.6
Trichloroethene	1.1	3.8	5.9	20
Tetrachloroethene	1.1	28	7.5	190

Client Sample ID: SVE-3-60-051920

Lab ID#: 2005571-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1-Dichloroethane	1.7	2.0	7.0	7.9
cis-1,2-Dichloroethene	1.7	14	6.8	54
1,1,1-Trichloroethane	1.7	10	9.4	57
Trichloroethene	1.7	49	9.3	260
Tetrachloroethene	1.7	350	12	2400

Client Sample ID: SVE-IN-B-052120

Lab ID#: 2005571-04A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	1.2	5.0	4.6	20
1,1,1-Trichloroethane	1.2	2.5	6.4	14
Trichloroethene	1.2	230	6.3	1200
Tetrachloroethene	1.2	120	7.9	840



Summary of Detected Compounds EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: SVE-IN-B-052120

Lab ID#: 2005571-04A

TPH ref. to Gasoline (MW=100) 120 210 480 860

Client Sample ID: SVE-2-B-052120

Lab ID#: 2005571-05A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)	
cis-1,2-Dichloroethene	1.1	2.4	4.3	9.6	
Trichloroethene	1.1	3.4	5.8	18	
Tetrachloroethene	1.1	20	7.3	140	

Client Sample ID: SVE-3-B-052120

Lab ID#: 2005571-06A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)	
cis-1,2-Dichloroethene	1.1	9.8	4.4	39	
1,1,1-Trichloroethane	1.1	5.9	6.0	32	
Trichloroethene	1.1	240	5.9	1300	
Tetrachloroethene	1.1	290	7.5	2000	



Client Sample ID: SVE-IN-60-051920 Lab ID#: 2005571-01A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p052936	Date of Collection: 5/19/20 9:36:00 AM
Dil. Factor:	2.29	Date of Analysis: 5/30/20 08:57 AM

DII. Factor.	2.29	Date	Date of Analysis: 5/30/20 08:57 AW		
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)	
Chloromethane	11 1.1	Not Detected	24	Not Detected	
Vinyl Chloride		Not Detected	2.9	Not Detected	
Freon 113	1.1	Not Detected	8.8	Not Detected	
1,1-Dichloroethene	1.1	Not Detected	4.5	Not Detected	
Acetone	11	Not Detected	27	Not Detected	
Carbon Disulfide	4.6	Not Detected	14	Not Detected	
Methylene Chloride	11	Not Detected	40	Not Detected	
trans-1,2-Dichloroethene	1.1	Not Detected	4.5	Not Detected	
Hexane	1.1	Not Detected	4.0	Not Detected	
1,1-Dichloroethane	1.1	Not Detected	4.6	Not Detected	
2-Butanone (Methyl Ethyl Ketone)	4.6	Not Detected	14	Not Detected	
cis-1,2-Dichloroethene	1.1	5.7	4.5	23	
Chloroform	1.1	Not Detected	5.6	Not Detected	
1,1,1-Trichloroethane	1.1	4.0	6.2	22	
Benzene	1.1	Not Detected	3.6	Not Detected	
Trichloroethene	1.1	17	6.2	91	
Toluene	1.1	Not Detected	4.3	Not Detected	
1,1,2-Trichloroethane	1.1	Not Detected	6.2	Not Detected	
Tetrachloroethene	1.1	150	7.8	1000	
Chlorobenzene	1.1	Not Detected	5.3	Not Detected	
Ethyl Benzene	1.1	Not Detected	5.0	Not Detected	
m,p-Xylene	1.1	Not Detected	5.0	Not Detected	
o-Xylene	1.1	Not Detected	5.0	Not Detected	
Styrene	1.1	Not Detected	4.9	Not Detected	
Cumene	1.1	Not Detected	5.6	Not Detected	
Propylbenzene	1.1	Not Detected	5.6	Not Detected	
1,3,5-Trimethylbenzene	1.1	Not Detected	5.6	Not Detected	
1,2,4-Trimethylbenzene	1.1	Not Detected	5.6	Not Detected	
TPH ref. to Gasoline (MW=100)	110	Not Detected	470	Not Detected	
Acetonitrile	11	Not Detected	19	Not Detected	
Vinyl Acetate	4.6	Not Detected	16	Not Detected	
Octane	4.6	Not Detected	21	Not Detected	
Pentane	4.6	Not Detected	14	Not Detected	
Butylbenzene	4.6	Not Detected	25	Not Detected	
Decane	4.6	Not Detected	27	Not Detected	
Dodecane	11	Not Detected	80	Not Detected	
sec-Butylbenzene	4.6	Not Detected	25	Not Detected	
	4.6		25		
p-Cymene	4.6	Not Detected	25	Not Detected	

Container Type: 1 Liter Summa Canister

Surrogates %Recovery Limits



Client Sample ID: SVE-IN-60-051920 Lab ID#: 2005571-01A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name: p052936 Date of Collection: 5/19/20 9:36:00 AM
Dil. Factor: 2.29 Date of Analysis: 5/30/20 08:57 AM

		Wethod	
Surrogates	%Recovery	Limits	
Toluene-d8	109	70-130	
1,2-Dichloroethane-d4	102	70-130	
4-Bromofluorobenzene	101	70-130	



Client Sample ID: SVE-2-60-051920 Lab ID#: 2005571-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p052931	Date of Collection: 5/19/20 9:41:00 AM
Dil. Factor:	2.20	Date of Analysis: 5/30/20 04:12 AM

Dil. Factor:	2.20	Date	of Analysis: 5/30/	20 04:12 AM
	Rpt. Limit	Amount	Rpt. Limit	Amount
Compound	(ppbv)	(ppbv)	(ug/m3)	(ug/m3)
Chloromethane	11	Not Detected	23	Not Detected
Vinyl Chloride	1.1	Not Detected	2.8	Not Detected
Freon 113	1.1	Not Detected	8.4	Not Detected
1,1-Dichloroethene	1.1	Not Detected	4.4	Not Detected
Acetone	11	Not Detected	26	Not Detected
Carbon Disulfide	4.4	Not Detected	14	Not Detected
Methylene Chloride	11	Not Detected	38	Not Detected
trans-1,2-Dichloroethene	1.1	Not Detected	4.4	Not Detected
Hexane	1.1	Not Detected	3.9	Not Detected
1,1-Dichloroethane	1.1	Not Detected	4.4	Not Detected
2-Butanone (Methyl Ethyl Ketone)	4.4	Not Detected	13	Not Detected
cis-1,2-Dichloroethene	1.1	1.4	4.4	5.6
Chloroform	1.1	Not Detected	5.4	Not Detected
1,1,1-Trichloroethane	1.1	1.6	6.0	8.6
Benzene	1.1	Not Detected	3.5	Not Detected
Trichloroethene	1.1	3.8	5.9	20
Toluene	1.1	Not Detected	4.1	Not Detected
1,1,2-Trichloroethane	1.1	Not Detected	6.0	Not Detected
Tetrachloroethene	1.1	28	7.5	190
Chlorobenzene	1.1	Not Detected	5.1	Not Detected
Ethyl Benzene	1.1	Not Detected	4.8	Not Detected
m,p-Xylene	1.1	Not Detected	4.8	Not Detected
o-Xylene	1.1	Not Detected	4.8	Not Detected
Styrene	1.1	Not Detected	4.7	Not Detected
Cumene	1.1	Not Detected	5.4	Not Detected
Propylbenzene	1.1	Not Detected	5.4	Not Detected
1,3,5-Trimethylbenzene	1.1	Not Detected	5.4	Not Detected
1,2,4-Trimethylbenzene	1.1	Not Detected	5.4	Not Detected
TPH ref. to Gasoline (MW=100)	110	Not Detected	450	Not Detected
Acetonitrile	11	Not Detected	18	Not Detected
Vinyl Acetate	4.4	Not Detected	15	Not Detected
Octane	4.4	Not Detected	20	Not Detected
Pentane	4.4	Not Detected	13	Not Detected
Butylbenzene	4.4	Not Detected	24	Not Detected
Decane	4.4	Not Detected	26	Not Detected
Dodecane	11	Not Detected	77	Not Detected
sec-Butylbenzene	4.4	Not Detected	24	Not Detected
p-Cymene	4.4	Not Detected	24	Not Detected
F = J	** *	2 3.00.00	- '	20.00.00

Container Type: 1 Liter Summa Canister



Client Sample ID: SVE-2-60-051920 Lab ID#: 2005571-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name: p052931 Date of Collection: 5/19/20 9:41:00 AM
Dil. Factor: 2.20 Date of Analysis: 5/30/20 04:12 AM

		Method	
Surrogates	%Recovery	Limits	
Toluene-d8	109	70-130	
1,2-Dichloroethane-d4	100	70-130	
4-Bromofluorobenzene	101	70-130	



Client Sample ID: SVE-3-60-051920 Lab ID#: 2005571-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name: p052933 Date of Collection: 5/19/20 9:46:00 AM
Dil. Factor: 3.45 Date of Analysis: 5/30/20 05:11 AM

Company	Rpt. Limit	Amount	Rpt. Limit	Amount
Compound	(ppbv)	(ppbv)	(ug/m3)	(ug/m3)
Chloromethane	17	Not Detected	36	Not Detected
Vinyl Chloride	1.7	Not Detected	4.4	Not Detected
Freon 113	1.7	Not Detected	13	Not Detected
1,1-Dichloroethene	1.7	Not Detected	6.8	Not Detected
Acetone	17	Not Detected	41	Not Detected
Carbon Disulfide	6.9	Not Detected	21	Not Detected
Methylene Chloride	17	Not Detected	60	Not Detected
trans-1,2-Dichloroethene	1.7	Not Detected	6.8	Not Detected
Hexane	1.7	Not Detected	6.1	Not Detected
1,1-Dichloroethane	1.7	2.0	7.0	7.9
2-Butanone (Methyl Ethyl Ketone)	6.9	Not Detected	20	Not Detected
cis-1,2-Dichloroethene	1.7	14	6.8	54
Chloroform	1.7	Not Detected	8.4	Not Detected
1,1,1-Trichloroethane	1.7	10	9.4	57
Benzene	1.7	Not Detected	5.5	Not Detected
Trichloroethene	1.7	49	9.3	260
Toluene	1.7	Not Detected	6.5	Not Detected
1,1,2-Trichloroethane	1.7	Not Detected	9.4	Not Detected
Tetrachloroethene	1.7	350	12	2400
Chlorobenzene	1.7	Not Detected	7.9	Not Detected
Ethyl Benzene	1.7	Not Detected	7.5	Not Detected
m,p-Xylene	1.7	Not Detected	7.5	Not Detected
o-Xylene	1.7	Not Detected	7.5	Not Detected
Styrene	1.7	Not Detected	7.3	Not Detected
Cumene	1.7	Not Detected	8.5	Not Detected
Propylbenzene	1.7	Not Detected	8.5	Not Detected
1,3,5-Trimethylbenzene	1.7	Not Detected	8.5	Not Detected
1,2,4-Trimethylbenzene	1.7	Not Detected	8.5	Not Detected
TPH ref. to Gasoline (MW=100)	170	Not Detected	700	Not Detected
Acetonitrile	17	Not Detected	29	Not Detected
Vinyl Acetate	6.9	Not Detected	24	Not Detected
Octane	6.9	Not Detected	32	Not Detected
Pentane	6.9	Not Detected	20	Not Detected
Butylbenzene	6.9	Not Detected	38	Not Detected
Decane	6.9	Not Detected	40	Not Detected
Dodecane	17	Not Detected	120	Not Detected
sec-Butylbenzene	6.9	Not Detected	38	Not Detected
p-Cymene	6.9	Not Detected	38	Not Detected
• •				

Container Type: 1 Liter Summa Canister

Surrogates Method Limits



Client Sample ID: SVE-3-60-051920 Lab ID#: 2005571-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name: p052933 Date of Collection: 5/19/20 9:46:00 AM
Dil. Factor: 3.45 Date of Analysis: 5/30/20 05:11 AM

		Method	
Surrogates	%Recovery	Limits	
Toluene-d8	108	70-130	
1,2-Dichloroethane-d4	101	70-130	
4-Bromofluorobenzene	100	70-130	



Client Sample ID: SVE-IN-B-052120 Lab ID#: 2005571-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name: p052932 Date of Collection: 5/21/20 9:11:00 AM
Dil. Factor: 2.33 Date of Analysis: 5/30/20 04:41 AM

	2.33 Date of Arialysis. 3/30/20 04:41 Am			
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Chloromethane	12	Not Detected	24	Not Detected
Vinyl Chloride	1.2	Not Detected	3.0	Not Detected
Freon 113	1.2	Not Detected	8.9	Not Detected
1,1-Dichloroethene	1.2	Not Detected	4.6	Not Detected
Acetone	12	Not Detected	28	Not Detected
Carbon Disulfide	4.7	Not Detected	14	Not Detected
Methylene Chloride	12	Not Detected	40	Not Detected
trans-1,2-Dichloroethene	1.2	Not Detected	4.6	Not Detected
Hexane	1.2	Not Detected	4.1	Not Detected
1,1-Dichloroethane	1.2	Not Detected	4.7	Not Detected
2-Butanone (Methyl Ethyl Ketone)	4.7	Not Detected	14	Not Detected
cis-1,2-Dichloroethene	1.2	5.0	4.6	20
Chloroform	1.2	Not Detected	5.7	Not Detected
1,1,1-Trichloroethane	1.2	2.5	6.4	14
Benzene	1.2	Not Detected	3.7	Not Detected
Trichloroethene	1.2	230	6.3	1200
Toluene	1.2	Not Detected	4.4	Not Detected
1,1,2-Trichloroethane	1.2	Not Detected	6.4	Not Detected
Tetrachloroethene	1.2	120	7.9	840
Chlorobenzene	1.2	Not Detected	5.4	Not Detected
Ethyl Benzene	1.2	Not Detected	5.0	Not Detected
m,p-Xylene	1.2	Not Detected	5.0	Not Detected
o-Xylene	1.2	Not Detected	5.0	Not Detected
Styrene	1.2	Not Detected	5.0	Not Detected
Cumene	1.2	Not Detected	5.7	Not Detected
Propylbenzene	1.2	Not Detected	5.7	Not Detected
1,3,5-Trimethylbenzene	1.2	Not Detected	5.7	Not Detected
1,2,4-Trimethylbenzene	1.2	Not Detected	5.7	Not Detected
TPH ref. to Gasoline (MW=100)	120	210	480	860
Acetonitrile	12	Not Detected	20	Not Detected
Vinyl Acetate	4.7	Not Detected	16	Not Detected
Octane	4.7	Not Detected	22	Not Detected
Pentane	4.7	Not Detected	14	Not Detected
Butylbenzene	4.7	Not Detected	26	Not Detected
Decane	4.7	Not Detected	27	Not Detected
Dodecane	12	Not Detected	81	Not Detected
Dodecane sec-Butylbenzene	12 4.7	Not Detected Not Detected	81 26	Not Detected Not Detected

Container Type: 1 Liter Summa Canister

Surrogates Method Limits



Client Sample ID: SVE-IN-B-052120 Lab ID#: 2005571-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name: p052932 Date of Collection: 5/21/20 9:11:00 AM
Dil. Factor: 2.33 Date of Analysis: 5/30/20 04:41 AM

		Method	
Surrogates	%Recovery	Limits	
Toluene-d8	108	70-130	
1,2-Dichloroethane-d4	102	70-130	
4-Bromofluorobenzene	100	70-130	



Client Sample ID: SVE-2-B-052120 Lab ID#: 2005571-05A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p052914	Date of Collection: 5/21/20 9:16:00 AM
Dil. Factor:	2.16	Date of Analysis: 5/29/20 06:20 PM

DII. Factor.	2.16 Date of Analysis: 5/29/20 06:20 P			20 06:20 PM
	Rpt. Limit	Amount	Rpt. Limit	Amount
Compound	(ppbv)	(ppbv)	(ug/m3)	(ug/m3)
Chloromethane	11	Not Detected	22	Not Detected
Vinyl Chloride	1.1	Not Detected	2.8	Not Detected
Freon 113	1.1	Not Detected	8.3	Not Detected
1,1-Dichloroethene	1.1	Not Detected	4.3	Not Detected
Acetone	11	Not Detected	26	Not Detected
Carbon Disulfide	4.3	Not Detected	13	Not Detected
Methylene Chloride	11	Not Detected	38	Not Detected
trans-1,2-Dichloroethene	1.1	Not Detected	4.3	Not Detected
Hexane	1.1	Not Detected	3.8	Not Detected
1,1-Dichloroethane	1.1	Not Detected	4.4	Not Detected
2-Butanone (Methyl Ethyl Ketone)	4.3	Not Detected	13	Not Detected
cis-1,2-Dichloroethene	1.1	2.4	4.3	9.6
Chloroform	1.1	Not Detected	5.3	Not Detected
1,1,1-Trichloroethane	1.1	Not Detected	5.9	Not Detected
Benzene	1.1	Not Detected	3.4	Not Detected
Trichloroethene	1.1	3.4	5.8	18
Toluene	1.1	Not Detected	4.1	Not Detected
1,1,2-Trichloroethane	1.1	Not Detected	5.9	Not Detected
Tetrachloroethene	1.1	20	7.3	140
Chlorobenzene	1.1	Not Detected	5.0	Not Detected
Ethyl Benzene	1.1	Not Detected	4.7	Not Detected
m,p-Xylene	1.1	Not Detected	4.7	Not Detected
o-Xylene	1.1	Not Detected	4.7	Not Detected
Styrene	1.1	Not Detected	4.6	Not Detected
Cumene	1.1	Not Detected	5.3	Not Detected
Propylbenzene	1.1	Not Detected	5.3	Not Detected
1,3,5-Trimethylbenzene	1.1	Not Detected	5.3	Not Detected
1,2,4-Trimethylbenzene	1.1	Not Detected	5.3	Not Detected
TPH ref. to Gasoline (MW=100)	110	Not Detected	440	Not Detected
Acetonitrile	11	Not Detected	18	Not Detected
Vinyl Acetate	4.3	Not Detected	15	Not Detected
Octane	4.3	Not Detected	20	Not Detected
Pentane	4.3	Not Detected	13	Not Detected
Butylbenzene	4.3	Not Detected	24	Not Detected
Decane	4.3	Not Detected	25	Not Detected
Dodecane	11	Not Detected	75	Not Detected
sec-Butylbenzene	4.3	Not Detected	24	Not Detected
•	4.3	Not Detected	24	Not Detected
p-Cymene	4.3	Not Detected	24	Not Detected

Container Type: 1 Liter Summa Canister



Client Sample ID: SVE-2-B-052120 Lab ID#: 2005571-05A

File Name:	p052914	Date of Collection: 5/21/20 9:16:00 AM
Dil. Factor:	2.16	Date of Analysis: 5/29/20 06:20 PM

		Method
Surrogates	%Recovery	Limits
Toluene-d8	107	70-130
1,2-Dichloroethane-d4	102	70-130
4-Bromofluorobenzene	100	70-130



Client Sample ID: SVE-3-B-052120 Lab ID#: 2005571-06A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p052915	Date of Collection: 5/21/20 9:21:00 AM
Dil. Factor:	2.20	Date of Analysis: 5/29/20 06:49 PM

DII. Factor.	2.20	Date of Analysis: 5/29/20 06:49 PM		
	Rpt. Limit	Amount	Rpt. Limit	Amount
Compound	(ppbv)	(ppbv)	(ug/m3)	(ug/m3)
Chloromethane	11	Not Detected	23	Not Detected
Vinyl Chloride	1.1	Not Detected	2.8	Not Detected
Freon 113	1.1	Not Detected	8.4	Not Detected
1,1-Dichloroethene	1.1	Not Detected	4.4	Not Detected
Acetone	11	Not Detected	26	Not Detected
Carbon Disulfide	4.4	Not Detected	14	Not Detected
Methylene Chloride	11	Not Detected	38	Not Detected
trans-1,2-Dichloroethene	1.1	Not Detected	4.4	Not Detected
Hexane	1.1	Not Detected	3.9	Not Detected
1,1-Dichloroethane	1.1	Not Detected	4.4	Not Detected
2-Butanone (Methyl Ethyl Ketone)	4.4	Not Detected	13	Not Detected
cis-1,2-Dichloroethene	1.1	9.8	4.4	39
Chloroform	1.1	Not Detected	5.4	Not Detected
1,1,1-Trichloroethane	1.1	5.9	6.0	32
Benzene	1.1	Not Detected	3.5	Not Detected
Trichloroethene	1.1	240	5.9	1300
Toluene	1.1	Not Detected	4.1	Not Detected
1,1,2-Trichloroethane	1.1	Not Detected	6.0	Not Detected
Tetrachloroethene	1.1	290	7.5	2000
Chlorobenzene	1.1	Not Detected	5.1	Not Detected
Ethyl Benzene	1.1	Not Detected	4.8	Not Detected
m,p-Xylene	1.1	Not Detected	4.8	Not Detected
o-Xylene	1.1	Not Detected	4.8	Not Detected
Styrene	1.1	Not Detected	4.7	Not Detected
Cumene	1.1	Not Detected	5.4	Not Detected
Propylbenzene	1.1	Not Detected	5.4	Not Detected
1,3,5-Trimethylbenzene	1.1	Not Detected	5.4	Not Detected
1,2,4-Trimethylbenzene	1.1	Not Detected	5.4	Not Detected
TPH ref. to Gasoline (MW=100)	110	Not Detected	450	Not Detected
Acetonitrile	11	Not Detected	18	Not Detected
Vinyl Acetate	4.4	Not Detected	15	Not Detected
Octane	4.4	Not Detected	20	Not Detected
Pentane	4.4	Not Detected	13	Not Detected
Butylbenzene	4.4	Not Detected	24	Not Detected
Decane	4.4	Not Detected	26	Not Detected
Dodecane	11	Not Detected	77	Not Detected
sec-Butylbenzene	4.4	Not Detected	24	Not Detected
p-Cymene	4.4	Not Detected	24	Not Detected

Container Type: 1 Liter Summa Canister



Client Sample ID: SVE-3-B-052120 Lab ID#: 2005571-06A

File Name:	p052915	Date of Collection: 5/21/20 9:21:00 AM
Dil. Factor:	2.20	Date of Analysis: 5/29/20 06:49 PM

		Method
Surrogates	%Recovery	Limits
Toluene-d8	110	70-130
1,2-Dichloroethane-d4	100	70-130
4-Bromofluorobenzene	100	70-130



Client Sample ID: Lab Blank Lab ID#: 2005571-07A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p052906d	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 5/29/20 11:40 AM

Jiii i dotoi:	1.00 Date of Allarysis. 3/23/20 11.40 All			
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Chloromethane	5.0	Not Detected	10	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Acetone	5.0	Not Detected	12	Not Detected
Carbon Disulfide	2.0	Not Detected	6.2	Not Detected
Methylene Chloride	5.0	Not Detected	17	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2.0	Not Detected	5.9	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
1,1,2-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Styrene	0.50	Not Detected	2.1	Not Detected
Cumene	0.50	Not Detected	2.4	Not Detected
Propylbenzene	0.50	Not Detected	2.4	Not Detected
1,3,5-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,2,4-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
TPH ref. to Gasoline (MW=100)	50	Not Detected	200	Not Detected
Acetonitrile	5.0	Not Detected	8.4	Not Detected
Vinyl Acetate	2.0	Not Detected	7.0	Not Detected
Octane	2.0	Not Detected	9.3	Not Detected
Pentane	2.0	Not Detected	5.9	Not Detected
Butylbenzene	2.0	Not Detected	11	Not Detected
Decane	2.0	Not Detected	12	Not Detected
Dodecane	5.0	Not Detected	35	Not Detected
Dodoodilo	5.0	1 tot Dotootoa		
sec-Butylbenzene	2.0	Not Detected	11	Not Detected

Container Type: NA - Not Applicable

Surrogates %Recovery Limits



Client Sample ID: Lab Blank Lab ID#: 2005571-07A

File Name:	p052906d	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 5/29/20 11:40 AM

		Method	
Surrogates	%Recovery	Limits	
Toluene-d8	106	70-130	
1,2-Dichloroethane-d4	101	70-130	
4-Bromofluorobenzene	102	70-130	



Client Sample ID: CCV Lab ID#: 2005571-08A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name: p052902 Date of Collection: NA
Dil. Factor: 1.00 Date of Analysis: 5/29/20 09:46 AM

Chloromethane 86 Vinyl Chloride 85 Freon 113 83 1,1-Dichloroethene 83 Acetone 80 Carbon Disulfide 80 Methylene Chloride 82 trans-1,2-Dichloroethene 89 Hexane 85 1,1-Dichloroethane 90 2-Butanone (Methyl Ethyl Ketone) 87 cis-1,2-Dichloroethene 90 Chloroform 95 1,1,1-Trichloroethane 87 Benzene 91 Trichloroethane 87 Benzene 91 Tokloroethene 96 Toluene 93 1,1,2-Trichloroethane 94 Tetrachloroethene 95 Chlorobenzene 92 Eithyl Benzene 89 mp-Xylene 94 o-Xylene 91 Styrene 96 Cumene 92 Proylbenzene 95 TPH ref. to Gasoline (MW=100)	Compound	%Recovery
Freon 113 83 1,1-Dichloroethene 83 Acetone 80 Carbon Disulfide 80 Methylene Chloride 82 trans-1,2-Dichloroethene 89 Hexane 85 1,1-Dichloroethane 90 2-Butanone (Methyl Ethyl Ketone) 87 cis-1,2-Dichloroethene 90 Chloroform 95 1,1,1-Trichloroethane 87 Benzene 91 Trichloroethene 96 Toluene 93 1,1,2-Trichloroethane 94 Tetrachloroethene 95 Chlorobenzene 92 Ethyl Benzene 98 m,p-Xylene 94 -Xylene 94 Oxylene 91 Styrene 96 Cumene 92 Propylbenzene 91 1,3,5-Trimethylbenzene 95 Vinyl Acetate 90 Octane 86 Pentane 93	Chloromethane	86
Freon 113 83 1,1-Dichloroethene 83 Acetone 80 Carbon Disulfide 80 Methylene Chloride 82 trans-1,2-Dichloroethene 89 Hexane 85 1,1-Dichloroethane 90 2-Butanone (Methyl Ethyl Ketone) 87 cis-1,2-Dichloroethene 90 Chloroform 95 1,1,1-Trichloroethane 87 Benzene 91 Trichloroethene 96 Toluene 93 1,1,2-Trichloroethane 94 Tetrachloroethene 95 Chlorobenzene 92 Ethyl Benzene 89 m,p-Xylene 94 -Xylene 94 Oxylene 91 Styrene 96 Cumene 92 Propylbenzene 91 1,3,5-Trimethylbenzene 95 TPH ref. to Gasoline (MW=100) 100 Acetonitrile 78 Vinyl Acetate	Vinyl Chloride	85
Acetone 80 Carbon Disulfide 80 Methylene Chloride 82 trans-1,2-Dichloroethene 89 Hexane 85 1,1-Dichloroethane 90 2-Butanone (Methyl Ethyl Ketone) 87 cis-1,2-Dichloroethene 90 Chloroform 95 1,1,1-Trichloroethane 87 Benzene 91 Trichloroethene 96 Toluene 93 1,1,2-Trichloroethane 94 Tetrachloroethene 95 Chlorobenzene 92 Ethyl Benzene 99 mp-Xylene 94 0-Xylene 91 Styrene 96 Cumene 92 Propylbenzene 91 1,3,5-Trimethylbenzene 94 1,2,4-Trimethylbenzene 95 TPH ref. to Gasoline (MW=100) 100 Acetonitrile 78 Vinyl Acetate 90 Octane 86 Pentane	•	83
Acetone 80 Carbon Disulfide 80 Methylene Chloride 82 trans-1,2-Dichloroethene 89 Hexane 85 1,1-Dichloroethane 90 2-Butanore (Methyl Ethyl Ketone) 87 cis-1,2-Dichloroethene 90 Chloroform 95 1,1,1-Trichloroethane 87 Benzene 91 Trichloroethene 96 Toluene 93 1,1,2-Trichloroethane 94 Tetrachloroethene 95 Chlorobenzene 92 Ethyl Benzene 99 mp-Xylene 94 0-Xylene 91 Styrene 96 Cumene 92 Propylbenzene 91 1,3,5-Trimethylbenzene 94 1,2,4-Trimethylbenzene 95 TPH ref. to Gasoline (MW=100) 100 Acetonitrile 78 Vinyl Acetate 90 Octane 86 Pentane	1,1-Dichloroethene	83
Methylene Chloride 82 trans-1,2-Dichloroethene 89 Hexane 85 1,1-Dichloroethane 90 2-Butanone (Methyl Ethyl Ketone) 87 cis-1,2-Dichloroethene 90 Chloroform 95 1,1,1-Trichloroethane 87 Benzene 91 Trichloroethene 96 Toluene 93 1,1,2-Trichloroethane 94 1,2-Trichloroethane 95 Chlorobenzene 92 Ethyl Benzene 89 m,p-Xylene 94 0-Xylene 91 Styrene 96 Cumene 92 Propylbenzene 91 1,3,5-Trimethylbenzene 94 1,2,4-Trimethylbenzene 95 TPH ref. to Gasoline (MW=100) 100 Acetonitrile 78 Viriyl Acetate 90 Octane 86 Pentane 79 Butylbenzene 93 Dodecane <td></td> <td>80</td>		80
Methylene Chloride 82 trans-1,2-Dichloroethene 89 Hexane 85 1,1-Dichloroethane 90 2-Butanone (Methyl Ethyl Ketone) 87 cis-1,2-Dichloroethene 90 Chloroform 95 1,1,1-Trichloroethane 87 Benzene 91 Trichloroethene 96 Toluene 93 1,1,2-Trichloroethane 94 Tetrachloroethene 95 Chlorobenzene 89 Ethyl Benzene 89 m,p-Xylene 94 0-Xylene 91 Styrene 96 Cumene 92 Propylbenzene 91 1,3,5-Trimethylbenzene 95 TPH ref. to Gasoline (MW=100) 100 Acetonitrile 78 Viryl Acetate 90 Octane 90 Pentane 79 Butylbenzene 93 Dodecane 83 Dodecane 93<	Carbon Disulfide	80
trans-1,2-Dichloroethene 89 Hexane 85 1,1-Dichloroethane 90 2-Butanone (Methyl Ethyl Ketone) 87 cis-1,2-Dichloroethene 90 Chloroform 95 1,1,1-Trichloroethane 87 Benzene 91 Trichloroethene 96 Toluene 93 1,1,2-Trichloroethane 94 Tetrachloroethene 95 Chlorobenzene 92 Ethyl Benzene 89 m,p-Xylene 94 0-Xylene 91 Styrene 96 Cumene 92 Propylbenzene 91 1,3,5-Trimethylbenzene 94 1,2,4-Trimethylbenzene 95 TPH ref. to Gasoline (MW=100) 100 Acetonitrile 78 Vinyl Acetate 90 Octane 86 Pentane 79 Butylbenzene 93 Dodecane 101 Ecc-Butylbenzene		82
Hexane 85 1,1-bichloroethane 90 2-Butanone (Methyl Ethyl Ketone) 87 cis-1,2-Dichloroethene 90 Chloroform 95 1,1,1-Trichloroethane 87 Benzene 91 Trichloroethane 96 Toluene 93 1,1,2-Trichloroethane 94 Tchroethene 95 Chlorobenzene 92 Ethyl Benzene 89 m,p-Xylene 94 o-Xylene 91 Styrene 96 Cumene 92 Propylbenzene 91 1,3,5-Trimethylbenzene 94 1,2,4-Trimethylbenzene 95 TPH ref. to Gasoline (MW=100) 100 Acetonitrile 78 Vinyl Acetate 90 Octane 86 Pentane 79 Butylbenzene 86 Pentane 83 Dodecane 83 Dodecane 80		89
2-Butanone (Methyl Ethyl Ketone) 87 cis-1,2-Dichloroethene 90 Chloroform 95 1,1,1-Trichloroethane 87 Benzene 91 Trichloroethene 96 Toluene 93 1,1,2-Trichloroethane 94 Tetrachloroethene 95 Chlorobenzene 92 Ethyl Benzene 89 m,p-Xylene 94 o-Xylene 91 Styrene 96 Cumene 92 Propylbenzene 91 1,3,5-Trimethylbenzene 94 1,2,4-Trimethylbenzene 95 TPH ref. to Gasoline (MW=100) 100 Acetonitrile 78 Virnyl Acetate 90 Octane 86 Pentane 79 Butylbenzene 93 Decane 83 Dodecane 83 Dodecane 101 sec-Butylbenzene 95		85
cis-1,2-Dichloroethene 90 Chloroform 95 1,1,1-Trichloroethane 87 Benzene 91 Trichloroethene 96 Toluene 93 1,1,2-Trichloroethane 94 Tetrachloroethene 95 Chlorobenzene 92 Ethyl Benzene 89 m,p-Xylene 94 o-Xylene 91 Styrene 96 Cumene 92 Propylbenzene 91 1,3,5-Trimethylbenzene 94 1,2,4-Trimethylbenzene 95 TPH ref. to Gasoline (MW=100) 100 Acetonitrile 78 Vinyl Acetate 90 Octane 86 Pentane 79 Butylbenzene 93 Decane 83 Dodecane 83 Dodecane 101 sec-Butylbenzene 95	1,1-Dichloroethane	90
cis-1,2-Dichloroethene 90 Chloroform 95 1,1,1-Trichloroethane 87 Benzene 91 Trichloroethene 96 Toluene 93 1,1,2-Trichloroethane 94 Tetrachloroethene 95 Chlorobenzene 92 Ethyl Benzene 89 m,p-Xylene 94 o-Xylene 91 Styrene 96 Cumene 92 Propylbenzene 91 1,3,5-Trimethylbenzene 94 1,2,4-Trimethylbenzene 95 TPH ref. to Gasoline (MW=100) 100 Acetonitrile 78 Vinyl Acetate 90 Octane 86 Pentane 79 Butylbenzene 93 Decane 83 Dodecane 83 Dodecane 101 sec-Butylbenzene 95	2-Butanone (Methyl Ethyl Ketone)	87
Chloroform 95 1,1,1-Trichloroethane 87 Benzene 91 Trichloroethene 96 Toluene 93 1,1,2-Trichloroethane 94 Tetrachloroethene 95 Chlorobenzene 92 Ethyl Benzene 89 m,p-Xylene 94 o-Xylene 91 Styrene 96 Cumene 92 Propylbenzene 91 1,3,5-Trimethylbenzene 95 TPH ref. to Gasoline (MW=100) 100 Acetonitrile 78 Vinyl Acetate 90 Octane 86 Pentane 79 Butylbenzene 93 Decane 83 Dodecane 83 Dodecane 101 sec-Butylbenzene 95		
Benzene 91 Trichloroethene 96 Toluene 93 1,1,2-Trichloroethane 94 Tetrachloroethene 95 Chlorobenzene 92 Ēthyl Benzene 88 m,p-Xylene 94 o-Xylene 91 Styrene 96 Cumene 92 Propylbenzene 91 1,3,5-Trimethylbenzene 94 1,2,4-Trimethylbenzene 95 TPH ref. to Gasoline (MW=100) 100 Acetonitrile 78 Vinyl Acetate 90 Octane 86 Pentane 79 Butylbenzene 93 Decane 83 Dodecane 83 Dodecane 101 sec-Butylbenzene 95		95
Benzene 91 Trichloroethene 96 Toluene 93 1,1,2-Trichloroethane 94 Tetrachloroethene 95 Chlorobenzene 92 Ethyl Benzene 89 m,p-Xylene 94 o-Xylene 91 Styrene 96 Cumene 92 Propylbenzene 91 1,3,5-Trimethylbenzene 94 1,2,4-Trimethylbenzene 95 TPH ref. to Gasoline (MW=100) 100 Acetonitrile 78 Vinyl Acetate 90 Octane 86 Pentane 79 Butylbenzene 93 Decane 83 Dodecane 83 Dodecane 101 sec-Butylbenzene 95	1,1,1-Trichloroethane	87
Toluene 93 1,1,2-Trichloroethane 94 Tetrachloroethene 95 Chlorobenzene 92 Ethyl Benzene 89 m,p-Xylene 94 o-Xylene 91 Styrene 96 Cumene 92 Propylbenzene 91 1,3,5-Trimethylbenzene 94 1,2,4-Trimethylbenzene 95 TPH ref. to Gasoline (MW=100) 100 Acetonitrile 78 Vinyl Acetate 90 Octane 86 Pentane 79 Butylbenzene 93 Decane 83 Dodecane 83 Dodecane 101 sec-Butylbenzene 95		91
Toluene 93 1,1,2-Trichloroethane 94 Tetrachloroethene 95 Chlorobenzene 92 Ethyl Benzene 89 m,p-Xylene 94 o-Xylene 91 Styrene 96 Cumene 92 Propylbenzene 91 1,3,5-Trimethylbenzene 94 1,2,4-Trimethylbenzene 95 TPH ref. to Gasoline (MW=100) 100 Acetonitrile 78 Vinyl Acetate 90 Octane 86 Pentane 79 Butylbenzene 93 Decane 83 Dodecane 83 Dodecane 101 sec-Butylbenzene 95	Trichloroethene	96
Tetrachloroethene 95 Chlorobenzene 92 Ethyl Benzene 89 m,p-Xylene 94 o-Xylene 91 Styrene 96 Cumene 92 Propylbenzene 91 1,3,5-Trimethylbenzene 94 1,2,4-Trimethylbenzene 95 TPH ref. to Gasoline (MW=100) 100 Acetonitrile 78 Vinyl Acetate 90 Octane 86 Pentane 79 Butylbenzene 93 Decane 83 Dodecane 83 Dodecane 101 sec-Butylbenzene 95		93
Tetrachloroethene 95 Chlorobenzene 92 Ethyl Benzene 89 m,p-Xylene 94 o-Xylene 91 Styrene 96 Cumene 92 Propylbenzene 91 1,3,5-Trimethylbenzene 94 1,2,4-Trimethylbenzene 95 TPH ref. to Gasoline (MW=100) 100 Acetonitrile 78 Vinyl Acetate 90 Octane 86 Pentane 79 Butylbenzene 93 Decane 83 Dodecane 83 Dodecane 101 sec-Butylbenzene 95	1,1,2-Trichloroethane	94
Ethyl Benzene 89 m,p-Xylene 94 o-Xylene 91 Styrene 96 Cumene 92 Propylbenzene 91 1,3,5-Trimethylbenzene 94 1,2,4-Trimethylbenzene 95 TPH ref. to Gasoline (MW=100) 100 Acetonitrile 78 Vinyl Acetate 90 Octane 86 Pentane 79 Butylbenzene 93 Decane 83 Dodecane 101 sec-Butylbenzene 95		95
Ethyl Benzene 89 m,p-Xylene 94 o-Xylene 91 Styrene 96 Cumene 92 Propylbenzene 91 1,3,5-Trimethylbenzene 94 1,2,4-Trimethylbenzene 95 TPH ref. to Gasoline (MW=100) 100 Acetonitrile 78 Vinyl Acetate 90 Octane 86 Pentane 79 Butylbenzene 93 Decane 83 Dodecane 101 sec-Butylbenzene 95	Chlorobenzene	92
o-Xylene 91 Styrene 96 Cumene 92 Propylbenzene 91 1,3,5-Trimethylbenzene 94 1,2,4-Trimethylbenzene 95 TPH ref. to Gasoline (MW=100) 100 Acetonitrile 78 Vinyl Acetate 90 Octane 86 Pentane 79 Butylbenzene 93 Decane 83 Dodecane 101 sec-Butylbenzene 95	Ethyl Benzene	89
Styrene 96 Cumene 92 Propylbenzene 91 1,3,5-Trimethylbenzene 94 1,2,4-Trimethylbenzene 95 TPH ref. to Gasoline (MW=100) 100 Acetonitrile 78 Vinyl Acetate 90 Octane 86 Pentane 79 Butylbenzene 93 Decane 83 Dodecane 101 sec-Butylbenzene 95	m,p-Xylene	94
Cumene 92 Propylbenzene 91 1,3,5-Trimethylbenzene 94 1,2,4-Trimethylbenzene 95 TPH ref. to Gasoline (MW=100) 100 Acetonitrile 78 Vinyl Acetate 90 Octane 86 Pentane 79 Butylbenzene 93 Decane 83 Dodecane 101 sec-Butylbenzene 95	o-Xylene	91
Propylbenzene 91 1,3,5-Trimethylbenzene 94 1,2,4-Trimethylbenzene 95 TPH ref. to Gasoline (MW=100) 100 Acetonitrile 78 Vinyl Acetate 90 Octane 86 Pentane 79 Butylbenzene 93 Decane 83 Dodecane 101 sec-Butylbenzene 95	Styrene	96
1,3,5-Trimethylbenzene 94 1,2,4-Trimethylbenzene 95 TPH ref. to Gasoline (MW=100) 100 Acetonitrile 78 Vinyl Acetate 90 Octane 86 Pentane 79 Butylbenzene 93 Decane 83 Dodecane 83 Dodecane 101 sec-Butylbenzene 95	Cumene	92
1,2,4-Trimethylbenzene 95 TPH ref. to Gasoline (MW=100) 100 Acetonitrile 78 Vinyl Acetate 90 Octane 86 Pentane 79 Butylbenzene 93 Decane 83 Dodecane 83 Dodecane 101 sec-Butylbenzene 95	Propylbenzene	91
TPH ref. to Gasoline (MW=100) 100 Acetonitrile 78 Vinyl Acetate 90 Octane 86 Pentane 79 Butylbenzene 93 Decane 83 Dodecane 101 sec-Butylbenzene 95	1,3,5-Trimethylbenzene	94
TPH ref. to Gasoline (MW=100) 100 Acetonitrile 78 Vinyl Acetate 90 Octane 86 Pentane 79 Butylbenzene 93 Decane 83 Dodecane 101 sec-Butylbenzene 95	1,2,4-Trimethylbenzene	95
Vinyl Acetate 90 Octane 86 Pentane 79 Butylbenzene 93 Decane 83 Dodecane 101 sec-Butylbenzene 95		100
Vinyl Acetate 90 Octane 86 Pentane 79 Butylbenzene 93 Decane 83 Dodecane 101 sec-Butylbenzene 95	Acetonitrile	78
Pentane 79 Butylbenzene 93 Decane 83 Dodecane 101 sec-Butylbenzene 95	Vinyl Acetate	90
Butylbenzene 93 Decane 83 Dodecane 101 sec-Butylbenzene 95	Octane	86
Decane 83 Dodecane 101 sec-Butylbenzene 95	Pentane	79
Dodecane 101 sec-Butylbenzene 95	Butylbenzene	93
sec-Butylbenzene 95	Decane	83
·	Dodecane	101
p-Cymene 94	sec-Butylbenzene	95
	p-Cymene	94

Container Type: NA - Not Applicable

Surrogates %Recovery Limits



Client Sample ID: CCV Lab ID#: 2005571-08A

File Name:	p052902	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 5/29/20 09:46 AM

		Method	
Surrogates	%Recovery	Limits	
Toluene-d8	104	70-130	
1,2-Dichloroethane-d4	97	70-130	
4-Bromofluorobenzene	104	70-130	



Client Sample ID: LCS Lab ID#: 2005571-09A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name: p052903 Date of Collection: NA
Dil. Factor: 1.00 Date of Analysis: 5/29/20 10:14 AM

_		Method
Compound	%Recovery	Limits
Chloromethane	93	70-130
Vinyl Chloride	82	70-130
Freon 113	81	70-130
1,1-Dichloroethene	80	70-130
Acetone	74	70-130
Carbon Disulfide	72	70-130
Methylene Chloride	76	70-130
trans-1,2-Dichloroethene	75	70-130
Hexane	80	70-130
1,1-Dichloroethane	86	70-130
2-Butanone (Methyl Ethyl Ketone)	80	70-130
cis-1,2-Dichloroethene	92	70-130
Chloroform	90	70-130
1,1,1-Trichloroethane	84	70-130
Benzene	83	70-130
Trichloroethene	88	70-130
Toluene	90	70-130
1,1,2-Trichloroethane	85	70-130
Tetrachloroethene	89	70-130
Chlorobenzene	85	70-130
Ethyl Benzene	 85	70-130
m,p-Xylene	88	70-130
o-Xylene	89	70-130
Styrene	88	70-130
Cumene	87	70-130
Propylbenzene	84	70-130
1,3,5-Trimethylbenzene	88	70-130
1,2,4-Trimethylbenzene	88	70-130
TPH ref. to Gasoline (MW=100)	Not Spiked	
Acetonitrile	Not Spiked	
Vinyl Acetate		60-140
Octane	Not Spiked	
Pentane	Not Spiked	
Butylbenzene	Not Spiked	
Decane	Not Spiked	
Dodecane	Not Spiked	
sec-Butylbenzene	Not Spiked	
p-Cymene	Not Spiked	

Container Type: NA - Not Applicable

Surrogates Method Limits



Client Sample ID: LCS Lab ID#: 2005571-09A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name: p052903 Date of Collection: NA
Dil. Factor: 1.00 Date of Analysis: 5/29/20 10:14 AM

	Wethod	
%Recovery	Limits	
103	70-130	
100	70-130	
103	70-130	
	100	



Client Sample ID: LCSD Lab ID#: 2005571-09AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name: p052904 Date of Collection: NA
Dil. Factor: 1.00 Date of Analysis: 5/29/20 10:42 AM

Compound	%Recovery	Method Limits
Chloromethane	93	70-130
Vinyl Chloride	79	70-130
Freon 113	82	70-130
1,1-Dichloroethene	78	70-130
Acetone	76	70-130
Carbon Disulfide	73	70-130
Methylene Chloride	77	70-130
trans-1,2-Dichloroethene	73	70-130
Hexane	80	70-130
1,1-Dichloroethane	85	70-130
2-Butanone (Methyl Ethyl Ketone)	79	70-130
cis-1,2-Dichloroethene	92	70-130
Chloroform	90	70-130
1,1,1-Trichloroethane	84	70-130
Benzene	84	70-130
Trichloroethene	88	70-130
Toluene	91	70-130
1,1,2-Trichloroethane	88	70-130
Tetrachloroethene	92	70-130
Chlorobenzene	87	70-130
Ethyl Benzene	87	70-130
m,p-Xylene	90	70-130
o-Xylene	90	70-130
Styrene	90	70-130
Cumene	89	70-130
Propylbenzene	86	70-130
1,3,5-Trimethylbenzene	90	70-130
1,2,4-Trimethylbenzene	90	70-130
TPH ref. to Gasoline (MW=100)	Not Spiked	
Acetonitrile	Not Spiked	
Vinyl Acetate	94	60-140
Octane	Not Spiked	
Pentane	Not Spiked	
Butylbenzene	Not Spiked	
Decane	Not Spiked	
Dodecane	Not Spiked	
sec-Butylbenzene	Not Spiked	
p-Cymene	Not Spiked	

Container Type: NA - Not Applicable



Client Sample ID: LCSD Lab ID#: 2005571-09AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name: p052904 Date of Collection: NA
Dil. Factor: 1.00 Date of Analysis: 5/29/20 10:42 AM

Surrogates		Wethod	
	%Recovery	Limits	
Toluene-d8	103	70-130	
1,2-Dichloroethane-d4	99	70-130	
4-Bromofluorobenzene	104	70-130	