RSEC

Prepared for:
LANXESS Corporation
Kalama Site

Prepared by:
RSEC Environmental

2025-2026
Annual Remedial Action Report
LANXESS Corporation
Kalama Site

September 2026

RSEC

September 22, 2026

Lyddie Austin
Environmental Engineer
Washington State Department of Ecology
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POB 47600
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RE: 2025 – 2026 Remedial Action Annual Report, LANXESS Corporation, Kalama Site, Kalama, Washington.

Dear Lyddie:

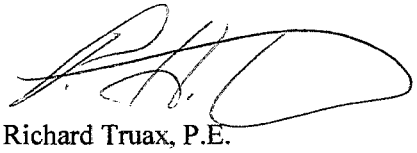
On behalf of LANXESS Corporation, RSEC Environmental, Inc. (RSEC) is pleased to provide the attached 2025 – 2026 Remedial Action Annual Report for the Kalama facility.

In summary, the remedial systems at the facility continue to operate as designed and the data from this past year largely follows past trends and ranges. I ask that you review and respond to the proposed changes in our monitoring plans as listed in Sections 2.7 and 3.6 of the report. The Annual Report follows the same format and organization as the past several years. A PDF of the entire report and appendices has also been sent via email.

Please feel free to contact me (541) 490-4223 / rsec.rich@outlook.com (please note new email) if you have any questions or need additional copies of the document.

Sincerely,

RSEC Environmental, Inc.



Richard Truax, P.E.
Senior Project Manager

cc: J. Skreen, LANXESS Corporation
N. Easter, LANXESS Corporation

RSEC

Prepared for:
LANXESS Corporation
Kalama Site

Prepared by:
RSEC Environmental

2025-2026
Remedial Action Annual Report
LANXESS Corporation
Kalama Site

September 2026

Prepared by: RSEC Environmental, Inc.
958 Hood View Ct., Hood River, OR 97031

Reviewed and certified by Richard H. Truax
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1.0 Introduction

This document presents the annual monitoring report for ongoing remediation activities pursuant to the 2008 Consent Decree (CD) between the Washington State Department of Ecology (Ecology), and BF Goodrich, Inc. and Emerald Kalama Chemical, LLC (EKC), at the Emerald facility in Kalama, Washington. A name change occurred in November 2023 from Emerald Kalama Chemical to LANXESS Corporation – Kalama Site ("the site").

The CD requires operation of the remedial actions (RA) presented in the *Cleanup Action Plan* (CAP) (Exhibit B of the CD; RETEC 2004a). The RAs presented in the CAP constitute the final cleanup actions for the site. This report describes maintenance, operation, and compliance monitoring of the RAs from May 2025 through April 2026.

The remediation systems design, operations, and compliance monitoring are described in the following documents:

- *Revised Design Report – North Impacted Area Interception Trench* (EMCON 1994)
- *West Impacted Area Interim Corrective Measure Phase 3 Final Design Report* (EMCON 1995)
- *Shallow Interception Trench System Operation and Maintenance Guidelines* (RETEC 1997)
- *Feasibility Study* (RETEC 2003)
- *Corrective Action Plan* (CAP; RETEC 2004a)
- *Compliance Monitoring Plan* (CMP; RETEC 2007)
- *Engineering Design Report* (EDR; ENSR/AECOM 2008)
- *Operations and Maintenance Plan* (O&M Plan; AECOM 2009).

Cleanup levels (CUL's) referred to in this document are those presented in the CAP and approved by Ecology on October 11, 2004 (RETEC 2004a). Additional relevant discussion of the location and behavior of contaminants in the intermediate sand at the site are also available in the RCRA WIA ICM Dispute Resolution September 23 – October 4,1996 Documents, ICM Scope of Work WIA (RETEC, November 1996), and ICM Annual Report (RETEC, April 1998) – collectively referred to herein as "ICM DR Documents".

1.1 Background

Historic spills at the site resulted in impacts to the subsurface. These releases are described in the *Remedial Investigation Report, Rev. 2* (ThermoRetec 2000). As detailed in the Remedial Investigation Report, the impacts are contained within the upper sand unit at the remediation areas identified as the NIA and WIA, and the intermediate sand layer that extends under the WIA. The remediation monitoring and systems are therefore located in the North Impacted Area (NIA, shallow sand), West Impacted Area (WIA, shallow sand), and the intermediate sand unit beneath the WIA shallow sand. The layout of the site is shown in Figure 1-1.

1.2 Summary of Remediation Activities and Contaminant Status

This section provides a summary description of remediation activities at the facility, and current contaminant(s) status in each area.

1.2.1 North Impacted Area

The NIA remediation consists of a 1,500-foot-long interception trench with two sumps (east and west) and a down-gradient liner the length of the trench (Figure 1-1). The NIA system was constructed between October and November 1995 and continues to operate pursuant to the CD. The system objectives are to capture affected groundwater in the NIA upper sand aquifer and thereby prevent migration to the wetland north of the NIA trench. The combined east and west sumps of the NIA pump an average of approximately 27-million gallons of water through the site water treatment plant each year (approximately 25-million for 2025-2026). Ongoing sampling of the east and west sumps indicates constituent concentrations below or intermittently above CULs for benzene and/or diphenyl oxide. Toluene has been non-detect or two orders of magnitude below CUL in both sumps for over a decade. Biphenyl is also monitored in the sumps but has never exceeded the CUL.

1.2.2 Central Impacted Area

The Central Impacted Area (CIA, Figure 1-1) contains portions of the shallow sand aquifer upgradient of the WIA and NIA. Remediation efforts in the CIA have targeted mass reduction of toluene via use of a soil vapor extraction system and mass reduction of DPO via use of Waterloo Emitters™; a device intended to provide controlled release of oxygen to groundwater to enhance biodegradation. The soil vapor extraction system was successful in achieving the intended toluene removal goal and was closed with Ecology approval in an Ecology letter dated December 23, 2013. The Waterloo Emitter™ system was closed following EKC's request and Ecology approval in May 2017. Gauging data has shown the CIA potentiometric gradient to be shallow and at times to reverse gradient direction. CIA data is reported in the NIA and WIA data tables and maps according to the shallow sand aquifer groundwater flow direction at the wells (northerly [NIA] and westerly [WIA]).

1.2.3 West Impacted Area

The WIA remediation has consisted of two components (Figure 1-1):

- Two shallow interception trenches (identified as north and south) parallel to the river in the upper sand aquifer. This portion of the WIA remediation has reached CUL and was shut down with Ecology approval in November 2018.
- A groundwater capture system comprised of ten recovery wells with submersible pumps in the intermediate sand aquifer (separate and below the shallow sand aquifer) and aligned parallel to the river (ISRW system).

Summaries of WIA systems are provided in the following subsections.

1.2.3.1 WIA Shallow Interception Trench

The WIA shallow interception trench system was constructed as an ICM during November 1997. The system is comprised of a south and a north unlined trench each with sump and pump. The system objective was to collect contaminated groundwater (originally focused on toluene) from the upper sand aquifer, preventing discharge to the Columbia River. Toluene has been below the CUL since 2008. With the absence of toluene, DPO was the only constituent that continued to be detected but has been below the CUL since 2013 in the North sump and 2011 in the South sump. EKC requested Ecology approval to cease operation of the trenches and Ecology approved EKC's request in a November 14, 2018 recommended changes to system operations letter. The WIA shallow trench

system remains in place and operable in the event future groundwater data indicates a reason to restart the system. Per Ecology's request, a follow-up sampling of the shallow WIA sumps was completed in October 2022 and re-confirmed the below CUL / non-detect concentrations (2022-2023 Annual Report).

1.2.3.2 WIA Intermediate Sand Recovery Wells (ISRW)

The ISRW system is the most active remaining remedial system at the site. The system consists of ten intermediate sand recovery wells (ISRW's); wells one through seven were installed as an ICM during April 1997, and eight through ten added pursuant to the CAP during February 2009. The system objective is to minimize discharge of benzene and toluene affected intermediate sand aquifer groundwater to the Columbia River and reduce the mass of these constituents in the aquifer. This is accomplished by maintaining an inward gradient to the recovery wells from upgradient and the river. Submersible pumps in the recovery wells transfer water to the facility low COD ModuTank (Fig 1-1) which discharges to the wastewater treatment plant.

The ISRW benzene and toluene data set indicates decreasing concentrations and areal extent at the upgradient (east), north and south boundaries of the alignment, and somewhat more consistent concentrations in the central area. The site continues to utilize the collected data to focus ISRW operations on constituent mass removal and minimizing discharge to the river. The ISRW wells pumped approximately 593,000 gallons of water to the site water treatment plant in 2025 – 2026 resulting in the removal of 75 pounds of toluene and 0.1 pounds of benzene.

1.3 Report Format

The NIA area groundwater monitoring and interception trench performance is described in Section 2. The WIA shallow groundwater monitoring is described in Section 3. The WIA intermediate sand groundwater monitoring and ISRW system performance is described in Section 4. References are provided in Section 5.

Supporting documentation includes Appendix A – potentiometric surface data tables, Appendix B - laboratory analytical reports (transmitted via e-file with e-copy of this report), and Appendix C – ISRW benzene and toluene concentration trend charts.

A PDF of this entire document has also been transmitted via email e-file.

Note that Sections 2.7 and 3.6 include proposed changes to the monitoring programs for the NIA and shallow WIA areas. These changes are proposed to commence the current 2026 – 2027 sample year pending Ecology agreement.

2.0 NIA Well Monitoring & Interception Trench System

In the NIA, the upper sand aquifer consists of approximately 9 to 17 feet of hydraulically placed sand fill overlying 3 to 7 feet of interbedded sands and silts. The upper sand aquifer is the uppermost hydrostratigraphic unit at the facility. The NIA interception trench is approximately 1,500 feet long and is constructed to variable depths such that it extends to the top of the underlying upper silt (collects groundwater from the shallow formation above the silt). The trench includes two collection sumps: an east sump collecting from approximately 950 feet of the trench, and a west sump collecting from the remaining approximately 550 feet of trench. Water from the sumps is pumped to the facility Low/High COD ModuTanks and then to the wastewater treatment system. The base and downgradient face of the trench are lined with an impermeable geosynthetic liner. The liner contains groundwater within the trench and reduces the inflow of standing water that may be seasonally present in a wetland downgradient (north) of the trench.

2.1 Monitoring Program Description

The monitoring plan for the upper sand aquifer NIA interception trench consists of three primary components:

1. Collection of data to evaluate the ongoing groundwater quality in the NIA.
2. Collection of groundwater elevation data to monitor ongoing flow direction and gradient in the NIA including the barrier trench and sumps.
3. Visual inspection of ground surface integrity to assure no erosion or other damage of the length of interception trench.

The NIA 2025 – 2026 monitoring program scope is described in the following sections and summarized in Table 2-1. All NIA monitoring locations are provided in Figure 2-1. Note that LANXESS is proposing modifications to the monitoring program as detailed in Section 2.7.

2.2 Visual Inspection of Integrity of NIA Trench

The entire 1,500-foot length of the NIA trench and barrier wall was inspected for ground surface indications of damage, leaks, or erosion during the April 2026 groundwater sampling event. This inspection involved walking the top of the soil berm above the barrier wall / trench alignment. No indications of damage, leaks or erosion were observed. The entire length is heavily vegetated, firm, and well established. As in the past, the inspection included removing areas of downed trees and brush presenting obstructions to trench operation and monitoring locations.

2.3 Groundwater Levels and Flow

NIA groundwater levels have been measured annually (during the April monitoring event). LANXESS is proposing a modification to this schedule as detailed in Section 2.7. Water levels were measured at the following locations during the April 2026 sampling event:

- Shallow (upper) sand monitor wells and piezometers (KC-8, KC-9, KC-21, KC-23, PZ-102, PDW-117, MW-210, MW-230, MW-232, MW-245, and MW-256) located upgradient of the trench. These locations include NIA and CIA areas from which groundwater is generally flowing northerly towards the NIA barrier and recovery trench.
- Three piezometers (NTP-1, NTP-2, NTP-3) along the length of the trench that monitor groundwater elevations in the trench.

- Wetland staff gauge.

The NIA and CIA groundwater and wetland elevation data are provided in respective tables Appendix A. The data were used to construct a shallow sand potentiometric surface map (Figure 2-1) for April 2026.

The wetland staff gauge indicated a water depth of 2 feet during the April 2026 monitoring event. This is in the typical range of historical data for the wetland during spring-runoff. As shown on Figure 2-1, water elevations in the trench were below up-gradient groundwater elevations indicating the ongoing normal operation of the trench.

As has been the case for the multi-decade monitoring history at this site, NIA aquifer groundwater flow is towards the north (Figure 2-1) and is consistent with historical monitoring results. The groundwater gradient is shallow in the CIA region of northerly flow and steepens as it approaches the containment recovery trench. The overall average northerly gradient for April 2026 was 0.008 ft/ft which also agrees with the long history of data for this area.

2.4 Groundwater Quality

The NIA groundwater quality monitoring network is comprised of four wells (MW-245, MW-256, PDW-117, and KC-9), and the east and west NIA trench sumps.

Monitoring results are described below and presented in Table 2-2. Areal distributions for benzene and DPO are provided in Figures 2-2 and 2-3 respectively and include an overlay of the April 2026 potentiometric contours. Laboratory data reports are provided in Appendix B (e-file).

2.4.1 Sampling and Analytical Procedures

All sampling and laboratory analyses were completed in accordance with the *Sampling and Analysis Plan* (SAP; RETEC 2004c). The April 2026 samples were submitted to ALS Laboratories (Kelso, WA). The following analytical methods were utilized per the sample requirements (Table 2-1):

- Volatile organic compounds (VOCs) [benzene and toluene] using EPA Method 8260C.
- Semi-volatile organic compounds (SVOCs) [diphenyl oxide (DPO), and in the east and west sumps biphenyl] using EPA Method 8270D.

2.4.2 Upper Sand Aquifer Sampling Results

The analytical results are detailed on Table 2-2. Benzene was detected marginally above the CUL (1.2 ug/L) at only one NIA monitoring location during the 2025 – 2026 period: west sump [5.3 ug/L]. This continues the past several years of data showing dwindling detections and even fewer CUL exceedances of benzene at the NIA monitoring locations.

DPO was detected above the CUL (410 ug/L) at one location [KC-9, 953 ug/L, April 2026]. DPO was detected at other monitoring locations but all below the CUL. The detected concentrations are below recent historical results but within longer term ranges.

Biphenyl continues to be monitored at the NIA East and West sumps. As shown on Table 2-2, biphenyl has never exceeded the CUL at either sump and has been one to two orders of magnitude below the CUL or non-detect at both sumps. Based on this data, LANXESS is proposing to drop biphenyl from the constituent list as detailed in Section 2.7.

Figures 2-2 (benzene) and 2-3 (DPO) provide areal map views of concentration data for these constituents. As with Table 2-2, Figure 2-2 depicts the lack of benzene impact in the NIA with 5.3 ug/L at the west sump being the only CUL exceedance. Figure 2-3 depicts DPO areal concentrations during this sample period, also reviewing Table 2-2 indicates the steady state lack of movement of DPO in the NIA. This stable non-migratory status for DPO is as expected for this constituent. With this in mind and the long history of DPO data for the NIA, LANXESS is proposing modification to the DPO monitoring program in Section 2.7.

2.5 NIA Trench & Sump System Monitoring

The NIA interception trench system operated continuously throughout the monitoring period. Monitoring results are described below and summarized in Tables 2-3 and 2-4.

2.5.1 Groundwater Extraction

Table 2-3 summarizes the east and west sump pump operation data, the volume of water removed from the trench, and the average pumping rates during the 2025 - 2026 and past performance periods. Approximately 25 million gallons of water were pumped from the NIA interception trench during 25/26 which is somewhat below but similar to the annual average since 1999. The NIA trench water volumes are dependent on annual precipitation and the flows vary with wetter / drier seasons.

2.5.2 Mass Removal

Table 2-4 provides data for the east and west sump discharges and the approximate mass of contaminants removed during the 25/26 performance period. The contaminant mass calculations were determined by multiplying semi-annual sump sample concentration data by the cumulative pump discharge volume for the corresponding 6-month period. Approximately 0.2-pounds of benzene, 0-pounds of toluene, and 51 pounds of DPO were removed during this reporting period.

The annual quantities of benzene, toluene and DPO removed from the 2007-2008 monitoring period to present are summarized in the table below. Historical soil vapor extraction system operations also played a role in the NIA VOC reductions as shown by the significant reductions in benzene and toluene mass removals (and analytical sample concentrations) in the earlier years of NIA operations. As expected based on constituent concentrations, benzene and toluene removals have become minimal and DPO removals continue somewhat steadily.

Performance Period	Benzene Removed (lbs)	Toluene Removed (lbs)	DPO Removed (lbs)
2025-26	0.2	0	51
2024-25	0.5	0.6	130
2023-24	0.4	0.1	75
2022-23	0.2	0.1	93
2021-22	0.2	0	39
2020-21	4.2	0.3	103.3
2019-20	0.5	0.5	89.9
2018-19	0.9	0.5	82.7
2017-18	1.5	0.7	97.8
2016-17	4.5	2.9	58.9
2015-16	3.5	2.4	35.1
2014-15	3.2	3.4	91.3
2013-14	5.4	7.5	90.1
2012-13	5.1	7.8	103.5
2011-12	6.4	24.0	98.0
2010-11	7.6	16.6	105
2009-10	6.0	38.1	103
2008-09	6.6	46.1	127
2007-08	26.4	254	207
Total	**83**	**406**	**1,706**

2.5.3 System Maintenance

LANXESS has maintained system flows via regular maintenance including pipe cleaning using compressed air agitation and line-pigging. Other significant maintenance efforts conducted from time to time as needed include vacuum removal of sediments from the sump bottoms, flushing the NIA trench collection pipe, replacing old PVC piping with stainless steel piping, and replacing/repairing pumps. In addition, the sump areas and outlying NIA wells and piezometers are maintained with tree and brush clearing for access along with paint and label identification upkeep.

2.6 Performance Evaluation

The NIA data set dating back to October 2007 is indicative of the groundwater constituent plume being in a state of ongoing intrinsic biodegradation with continued recovery trench operation to contain any residuals that may eventually migrate to the trench. Toluene is not identified at concentrations of interest for many years. Benzene is variably above / below CUL concentration at the west sump and with decreasing frequency at well KC-9. DPO continues to be the constituent with steady CUL exceedances at the west sump (although not at the east sump) and wells KC-9 and PDW-117 (both

upgradient of the west sump). The trench system continues to fulfill its purpose of hydraulic control of the NIA, preventing discharge of groundwater from the upper sand aquifer to the wetland.

2.7 Recommended Changes to NIA Operation / Monitoring

LANXESS is proposing the following modifications to the ongoing NIA monitoring program:

- Groundwater elevation gauging and mapping is currently conducted annually in April. We have approximately 20-years of data indicating nearly identical flow direction and gradient. LANXESS proposes changing this to bi-annual event with the next gauging being April 2028.

- Biphenyl monitoring was ceased in 2019 at NIA monitor well locations and was replaced with monitoring at the east and west sumps. Compared to a CUL of 230 ug/L, since 2019 biphenyl has been non-detect at the east sump and an order of magnitude below the CUL at the west sump (single digit concentrations for the past 5 years). As shown on Table 2-2, biphenyl has never been a constituent with notable or ongoing CUL exceedances in the NIA. LANXESS proposes to stop monitoring for biphenyl at the NIA east and west sump locations.

- Groundwater monitoring at the NIA wells (PDW-117, MW-245, KC-9 and MW-256) is currently conducted annually. As detailed in this report, concentrations have continued in a steady state manner with little to no indication of movement. LANXESS proposes that this monitoring be changed to a bi-annual event with the next sampling being April 2028. In addition, KC-9 and PDW-117 benzene and toluene data consistently range non-detect to negligibly above CUL and is not providing actionable or further informative data. LANXESS proposes to stop monitoring benzene and toluene at these upgradient on-site locations.

- East and west sump sampling is currently conducted semi-annually. Again, the data set indicates a stable status with DPO at the west sump being the only constituent of regular notable exceedance of CUL. LANXESS proposes to change the east and west sump sampling to an annual event in April of each year with the next sampling being April 2027.

These changes are not proposed as an agreement of reaching clean-up levels or completion of clean-up but are updated appropriate sampling scope and frequency based on the existing data sets and constituent behaviors. Table 2-1 Proposed provides the proposed future monitoring program in tabular format. Pending Ecology approval, LANXESS will implement this updated monitoring program with the current 2026 – 2027 sample year.

3.0 WIA Shallow Wells & Interception Trench System

3.1 Monitoring Program Description

The WIA shallow well monitoring is described in the following sections and summarized in Table 3-1. Note that LANXESS is proposing changes to this monitoring plan as detailed in Section 3.6. All monitoring locations are shown on Figure 2-1. The monitoring plan for the shallow WIA wells consists of two primary components:

1) collection of water elevation data to define groundwater flow direction and gradient, and

2) collection of water quality data to evaluate the occurrence and movement, if any, of dissolved residual constituents of interest.

3.2 Groundwater Levels and Flow

Water levels are measured annually at the following upper sand (shallow) locations:

- KC-24R, PZ-104, PZ-107, USRW-2, KC-13, MW-238, MW-255, PZ-110, and the North and South WIA-trench sumps.

The WIA groundwater elevation data is provided in the titled table Appendix A. The data were used to construct the shallow potentiometric surface map for April 2026 (Figure 2-1).

3.3 WIA Upper Sand Aquifer Groundwater Flow

In the WIA, groundwater flow within the upper sand aquifer is westerly from a nearly flat gradient in the PZ-104 / -107 / MW-230 area to the westerly USRW-2 / MW-255 area (Figure 2-1). The average hydraulic gradient across this area during April 2026 was 0.009 ft/ft. These flow data are similar to the existing multi-decade monitoring for this area.

3.4 WIA Upper Sand Groundwater Quality

Groundwater samples were collected from WIA upper sand wells USRW-2, PZ-104, and PZ-107.

3.4.1 Sampling and Analytical Procedures

All sampling and laboratory analyses were completed in accordance with the SAP and analyte revisions approved by Ecology. The samples were submitted to ALS Laboratories (Kelso, WA). Samples were analyzed using one or both of the following methods per the sample analytical requirement (Table 3-1):

- Volatile organic compounds (VOCs) [benzene and toluene] using EPA Method 8260C.
- Semi-volatile organic compounds (SVOCs) [DPO, biphenyl, and bis(2-ethylhexyl) phthalate] using EPA Method 8270D.

Laboratory data are included in Appendix B (e-file).

3.4.2 Upper Sand Aquifer Sampling Results

The WIA upper sand data are summarized in Table 3-2 and shown on Figures 2-3 (benzene) and 2-4 (DPO).

DPO concentrations in the area of the WIA shallow trench (USRW-2) continue to agree with historical results indicating non-detect (<1.0 ug/L). USRW-2 DPO concentrations have been below the CUL (410 ug/L) since 2013 with one exception in 2015, and non-detect for the past five years since 2021. As listed in Section 3.6, LANXESS is proposing to reduce the sampling frequency at USRW-2.

Over 300-feet upgradient of the WIA trenches, in the shallow westerly flow gradient portion of the CIA area, wells PZ-104 and PZ-107 continue to show detections of DPO and biphenyl with PZ-104 the only one showing a CUL exceedance of DPO. The April 2026 DPO concentrations were 1,960 ug/L at PZ-104 and 7 ug/L at PZ-107. PZ-107 has been trending below the DPO CUL for the las several years while PZ-104 has consistently been above the CUL. Biphenyl concentrations continued below the CUL (230 ug/L) at both wells with 45 ug/L at PZ-104 and 8.5 ug/L at PZ-107. Biphenyl has generally been below the CUL for most sample events at PZ-104, and below the CUL at PZ-107 since 2019. LANXESS is also proposing to reduce the sampling frequency at PZ-104 and PZ-107 as detailed in Section 3.6.

Benzene concentrations followed historical results at both wells with just above the CUL at PZ-104 (3.9 ug/L) and non-detect at PZ-107 (<0.50 ug/L). Toluene has been non-detect or just above detection level at PZ-104, and far below the CUL or non-detect at PZ-107 since 2013. LANXESS is proposing to drop benzene and toluene from the sampling program at PZ-104 and PZ-107 as detailed in Section 3.6.

As has been typical with the historical data, Bis (2-ethylhexyl) phthalate was not detected in either PZ-104 or PZ-107 at the achieved method detection level. LANXESS is proposing to drop Bis (2-ethylhexyl) phthalate at both wells as detailed in Section 3.6.

3.5 WIA Shallow Trench Operations

As detailed in Section 1.2.3.1, the WIA shallow interception trench system ceased operation with Ecology approval in November 2018. In accordance with Ecology's approval the system remains in place and available for future operations if indicated by future monitoring. As discussed in Section 3.4, the ongoing data set continues to support the WIA Shallow Trench shutdown. In addition, Section 3.4.3 of the 22/23 Annual Report and Table 3-2 include results of an Ecology requested additional sampling of the north and south WIA-sumps that further confirmed the system shut down.

3.6 Recommended Changes to WIA Shallow Monitoring

LANXESS is proposing the following changes to the ongoing CIA monitoring program:

- Groundwater elevation gauging and mapping is currently conducted annually in April. We have approximately 20-years of data indicating nearly identical flow direction and gradient. With this in mind, LANXESS proposes changing this to bi-annual event with the next gauging being April 2028.

- Monitor well PZ-107 is located nearby PZ-104 and has been declining to below detection limits / CULs for all analytes as shown on Table 3-2. In consideration of the up-gradient / central site area location and proximity to well PZ-104, LANXESS proposes to cease monitoring and gauging at PZ-107 at this time. PZ-107 is not providing actionable / decisive data, but will remain available if future data is of interest.

- Well PZ-104: LANXESS proposes to continue sampling well PZ-104 on a bi-annual basis as follows:
    - Compared to a CUL of 230 ug/L, biphenyl has been below the CUL for all but four sample events since 2009. LANXESS proposes to cease monitoring for biphenyl at PZ-104 at this time.
    - Bis (2-ethyl hexyl) phthalate sampling at PZ-104 has been below detection limits / CUL for the majority of sampling events since 2009. LANXESS proposes to cease monitoring for this constituent.
    - Toluene has always been far below the CUL, primarily non-detect at PZ-104 since 2009. Benzene is generally detected above the CUL at PZ-104, but never more than 10 ug/L above the CUL and primarily less than 5 ug/L above the CUL. The data are not providing additional actionable information at this central site location and LANXESS proposes to cease benzene & toluene monitoring at this location.
    - LANXESS proposes to continue DPO sampling and groundwater elevation gauging at PZ-104 on a bi-annual basis with the next event occurring April 2028.

- Well USRW-2 is currently sampled for DPO on an annual basis. DPO concentrations at this well have been below the CUL since 2013 with one exception in 2015, and below detection level since 2021. LANXESS proposes to continue sampling well USRW-2 for DPO on a bi-annual basis with the next event being April 2028.

These changes are not proposed as an agreement of reaching clean-up levels or completion of clean-up, but are updated appropriate sampling scope and frequency based on the existing data sets and constituent behaviors. Table 3-1 Proposed provides the proposed future monitoring program in tabular format. Pending Ecology approval, LANXESS will implement this updated monitoring program with the current 2026 – 2027 sample year.

4.0 WIA Intermediate Sand System

The ISRW system includes 10 recovery wells (ISRW-1 through ISRW-10). Seven of the recovery wells (ISRW-1 through ISRW- 7) were installed as part of interim corrective measures (ICM) in February and March 1997. Recovery wells ISRW-1, ISRW-2b, ISRW-3, and ISRW-4 began operation during April 1997; groundwater modeling provided in the ICM Scope of Work (RETEC, 1986) indicated pumping these four wells at one gallon per minute would capture the targeted intermediate sand aquifer flow. Subsequent operation data (ICM Annual Report, RETEC 1998) confirmed the modeled design basis, however at the request of Ecology, pumping of recovery wells ISRW-5, ISRW-6, and ISRW-7 was added during November and December 1997; this was done for added groundwater capture protection and operational backup redundancy of the system. Recovery wells ISRW-8, ISRW-9, and ISRW-10 were then added during February 2009 pursuant to the CAP and began operation during March 2009. These additional wells were requested by Ecology to additionally further ensure containment capability and redundancy.

An important ISRW operations understanding is that the 10-well system provides significant capture zone overlap and dewatering redundancy. As a result, the capture alignment is maintained even in the event of some ISRW's being temporarily off-line; for example, ISRW-1, -2, -3, and -4 captured the entire targeted alignment on their own when first constructed as documented in Section 4 of the 1998 ICM Annual Report (RETEC, 1998).

4.1 Monitoring Program Description

The monitoring plan for the WIA intermediate sand recovery well (ISRW) system consists of the following components: 1) weekly monitoring of recovery system operation and water volume production with appropriate operation adjustments; 2) semi-annual sampling of recovery wells discharge water quality; and 3) semi-annual water quality sampling and water elevation gauging of monitoring wells. WIA intermediate sand monitoring is described in the following sections and is summarized in Table 4-1.

In 2018 EKC elected to voluntarily increase the sampling frequency at the 10 ISRW wells from semi-annual to quarterly. The additional ISRW data are to assist in focusing benzene and toluene mass removal efforts at the ISRW wells as described further in the following sections.

4.2 Groundwater and River Elevations and Groundwater Flow

Intermediate sand aquifer groundwater elevations were measured quarterly in July & October 2025, and January and April 2026. Groundwater elevations are recorded at the following locations:

- Recovery wells ISRW-1 through ISRW-10
- Monitoring wells KC-6, KC-14, MW-239, MW-243, and MW-250 (note MW-250 is not used for potentiometric surface mapping as it is screened below the intermediate sand).
- Piezometers PZ-117 and PZ-118

The intermediate sand quarterly groundwater elevation data are provided in tabular form in Appendix A. The data was used to construct WIA potentiometric surface maps quarterly for the intermediate sand zone (Figures 4-1 through 4-4). As shown on Figures 4-1 through 4-4, the ISRW well alignment maintains an inward groundwater depression capturing intermediate sand groundwater and some portion of river water. The ISRW system is designed and operated to maintain ISRW well pumping elevations below the river elevation and thereby maintain some inward gradient from the river.

4.3 Groundwater Quality

Groundwater samples were collected semi-annually (October and April) from 10 recovery wells (ISRW-1 through ISRW-10) and four monitoring wells: KC-14, MW-239, MW-243, and MW-250. Laboratory data reports are included in Appendix B (e-file). As noted earlier, LANXESS also elected to continue to collect two additional rounds (January and July) of groundwater samples for benzene and toluene analysis from just the 10 ISRW wells resulting in quarterly data for the ISRW wells.

4.3.1 Sampling and Analytical Procedures

All sampling and laboratory analyses were completed in accordance with the SAP (RETEC 2004c), and Ecology approved revisions reported in past Annual Reports. All samples were submitted to ALS Laboratories (Kelso, WA) with all analyses being conducted using EPA Method 8260C (as noted on Table 4-2).

4.3.2 Intermediate Sand Aquifer Sampling Results

The monitor well and ISRW groundwater quality analytical results are summarized in Table 4-2, and Figures 4-5 (benzene) and 4-6 (toluene). Benzene and toluene average annual concentration trend charts for each of the ISRW wells are provided in Appendix C. As can be observed on the Appendix C charts, benzene and toluene concentrations are generally decreasing over time since system startup, some significantly, while wells in the central portion of the ISRW alignment indicate somewhat steadier concentrations. The overall data set for five of the ISRW Wells (1 & 2, 4 & 7, and 6) located at the up-gradient (east), southern, and northern plume boundaries respectively, indicate reduced concentrations and receding of the plume. The remaining five ISRW wells (10, 5, 9, 3, and 8, moving south to north along the river) are located centrally in the plume area and continue comparatively higher mass removal.

During the 25/26 monitoring period, all four of the intermediate sand monitoring network wells (MW-239, MW-243, KC-14, and MW-250) indicate non-detect or below CUL results for benzene and toluene. These results agree with the historical data for MW-243, -250, and KC-14. The below CUL results for MW-239 continue a downward trend at that well which has more recently been below CUL.

4.4 ISRW System Performance

Table 4-3 presents the ISRW water extraction volumes for the monitoring period including the total volume of groundwater pumped from each well. As shown, approximately 593,000 gallons of groundwater were extracted from the WIA intermediate sand aquifer during the 2025–2026 performance period. Table 4-4 combines the groundwater extraction volumes and average benzene and toluene concentrations to calculate the mass removals for the ISRW wells. Approximately 0.1 pound of benzene and 75 pounds of toluene were removed during the 2025-2026 performance period. Based on statements from historical reports and calculation of more recent data, estimated benzene and toluene removals to date are:

Estimated Toluene Removed Since ISRW Startup April 1997: 53,100 lbs.

Estimated Benzene Removed Since 2011 (earlier data not specific): 108 lbs.

4.5 ISRW System Maintenance

The ISRW system operated continuously throughout the monitoring period, except during short-duration individual well shutdowns (typically 1 – 2 hours for an individual well while other wells continue to operate). The ISRW maintenance activities for the current reporting period included:

- During October 2024 the ISRW's were cleaned and redeveloped using a vac-truck to remove accumulated sediment in the well bottom, fill and surge the wells with clean water, and repeat vac-removal of water and sediment until clear. This process is generally conducted every three to four years.

- Pump and float removal, cleaning, and reinstallation. This maintenance is conducted on an approximately monthly per well rolling schedule.

- As-needed replacement of electrical system fuses, capacitors, level floats, totalizers, and power cables due to normal wear.

- Replacement of submersible pumps and/or motors when required – typically due to wear of bearings, pump mechanisms, and pump motors.

- Ongoing maintenance of above ground apparatus including well-heads, hoses, and connections.

These ongoing maintenance efforts have ensured continued uninterrupted operation of the ISRW system.

4.6 ISRW Future Operations Plan

The WIA ISRW system continues to minimize discharge of affected intermediate sand groundwater to the Columbia River and reduce the mass of constituents in the aquifer. Ongoing appropriate system monitoring and maintenance will continue to minimize pump down times and equipment replacement requirements.

ISRW operations will continue much as they have in the recent past. ISRW-7 is currently shut-down and expected to remain that way unless groundwater samples return to above CULs. LANXESS will continue to operate the system in accordance with the requirements and goals described herein.

4.7 Recommended Changes to System Operation

LANXESS is not proposing any revisions to the ISRW operations and monitoring program. LANXESS may refrain from the voluntary quarterly sampling of the ISRW's (July and January); as the additional data is not significantly impacting operations or removal volume calculations.

5.0 References

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Tables

Table 2-1
NIA Monitoring Program 2025 - 2026

Well Location	Sampling Frequency	Field Parameters	Analytical Parameters	Gauging Frequency
NTP-1, NTP-2, NTP-3, KC-8, KC-9, KC-21, KC-23, MW-210, MW-232, MW-230, PZ-102, PDW-117, MW-245, MW-256, Wetland Staff Gauge	—	—	—	Annually
East Sump, West Sump	Semiannually	—	Benzene, Toluene, Biphenyl, DPO	
KC-9, PDW-117	Annually	Temperature, pH, ORP, conductivity, turbidity, DO	Benzene, Toluene, DPO	
MW-245, MW-256	Annually	Temperature, pH, ORP, conductivity, turbidity, DO	DPO	
Observation Walk Length of NIA Containment Trench Ground Surface	Annually	Visual observation for surface damage that may impact trench & subsurface containment berm	—	—

Notes:
DO = dissolved oxygen; ORP = oxidation reduction potential; NIA = North Impacted Area; DEHP / Bis(2-ethylhexyl)phthalate not required at MW-232, -245 & -256 Ecy 112916 & 111418; DPO = Diphenyl Oxide; biphenyl add NIA E&W, remove -210, -231, -230, -9, -117 Ecy 111418. Cease sampling MW-210 & -232 (continue gauging) Ecy 111418.

Table 2-1_Prpsd
Proposed Future NIA Monitoring Program 2026 Forward

Well Location	Sampling Frequency	Field Parameters	Analytical Parameters	Gauging Frequency
NTP-1, NTP-2, NTP-3, KC-8, KC-9, KC-21, KC-23, MW-210, MW-232, MW-230, PZ-102, PDW-117, MW-245, MW-256, Wetland Staff Gauge	—	—	—	Bi-Annual 2028, 2030, 2032 and so on
East Sump, West Sump	Annual-April	—	Benzene, Toluene, ~~Biphenyl~~, DPO	
KC-9, PDW-117	Bi-annual: 2028, 2030, 2032…	Temperature, pH, ORP, conductivity, turbidity, DO	~~Benzene, Toluene~~, DPO	
MW-245, MW-256	Bi-annual: 2028, 2030, 2032…	Temperature, pH, ORP, conductivity, turbidity, DO	DPO	
Observation Walk Length of NIA Containment Trench Ground Surface	Annually	Visual observation for surface damage that may impact trench & subsurface containment berm	—	—

Table 2-2
NIA Groundwater Analytical Data (10/2007 – 4/2026)

Well	Date	VOCs (µg/L) (EPA Method 8021B/8260)		SVOCs (µg/L) (EPA Method 8270C SIM)				
		Benzene	Toluene	Benzoic Acid	Biphenyl	Bis (2-ethylhexyl) phthalate	Diphenyl Oxide	Phenol
	Cleanup Level	**1.2**	**2,000**	**24,590**	**230**	**1.8**	**410**	**2,560**
MW-210	10/20/2009	**51**	< 1.0	< 9.6 J	**74**	< 0.96	**1,800**	**19**
	4/22/2010	**23**	< 1.0	<10 J	**79**	< 1.0	**820**	**27**
	10/21/2010	**22**	< 1.0	< 9.8	**39**	<0.98	**1,700**	**17**
	10/10/2011	**7.7**	< 1.0	<9.3	**100**	**<2.4**	**1,400**	**11**
	4/18/2012	**16**	< 1.0	**9.6**	**150**	<0.93	**990**	**40**
	11/8/2012	**5.7**	< 1.0	<9.5 UJ	**21**	<0.95	**850**	**4.8**
	4/11/2013	**1.5**	< 1.0	<9.5	**10**	<0.95	**580**	**4.9**
	10/15/2013	< 1.0	< 1.0	<9.9 UJ	<0.99	<0.99	**250**	**7.6**
	4/16/2014	< 1.0	< 1.0	<9.5	<0.95	<0.95	**490**	<1.9
	10/23/2014	< 0.060	< 0.11	< 0.39 H	< 0.095 H	< 0.26 H	**590 H**	**1.2 JH**
	4/22/2015	< 0.42	< 0.44	< 0.39	< 0.095	**1.2 JB**	**330**	**2.2 J**
	10/20/2015	< 1.0	< 1.0	< 9.5	< 0.95	< 0.95	**1,500 D**	**14**
	4/13/2016	< 1.0	< 1.0	< 9.5	< 0.95	< 0.95	**44**	**8.5**
	10/28/2016	< 1.0	< 1.0	NA	**1.6**	NA	**780 D**	NA
	4/11/2017	< 0.50	< 1.0	NA	**1.8**	NA	**32**	NA
	10/5/2017	< 0.50	< 1.0	NA	< 0.97	NA	**210**	NA
	4/26/2018	< 1.0	< 1.0	NA	< 0.96	NA	**88**	NA
	10/2/2018	< 0.30	< 1.0	NA	< 0.47	NA	**654 D**	NA
		MW-210 Ecy Approved Cease Sampling, Continue Water Level Gauging 11-14-18						
MW-230	10/22/2009	**32**	**9.9**	**91 J**	**380**	**1.7**	**520**	**12**
	4/23/2010	18	**5.9**	**< 200 J**	350	**<20**	**390**	**93**
	10/20/2010	23	**5.2**	**74**	470	6.8	590	**44**
	10/11/2011	44	**5.2**	**22**	450	**<2.4**	460	**27**
	4/18/2012	10	**1.3**	**180**	**160**	<0.95	**220**	**38**
	11/7/2012	16	**2.7**	**30 J**	**130**	<0.95	**220**	**48**
	4/11/2013	31	**5.4**	**130**	**160**	<0.95	**240**	**39**
	10/16/2013	8.8	**8.0**	79,000 J	**170**	<1.1	420	**210**
	4/15/2014	7.9	**6.0**	<48	500	**<4.8**	520	**22**
	10/23/2014	**6.4**	**1.2**	< 0.39 H	**490 H**	< 0.26 H	**690 H**	**22 H**
	10/23/2014 Dup	**4.8**	**0.87 J**	**9.3 JH**	**520 H**	< 0.26 H	**690 H**	**23 H**
	4/22/2015	**14**	**0.90 J**	**28**	**250**	**2.5 JB**	**320**	**20 J**
	10/21/2015	**7.4**	**3.8**	< 9.5	**150**	< 0.95	**480 D**	**7.4**
	10/21/2015 Dup	**7.5**	**3.6**	< 9.5	**160**	< 0.95	**400 D**	**6.8**
	4/12/2016	**11**	< 1.0	**15**	**200**	< 0.95	**260 D**	**11**
	10/28/2016	**10**	**1.0**	**60**	**190**	< 0.95	**450 D**	**51**
	10/28/2016 Dup	**11**	**1.0**	**64**	**200**	<0.95	**420**	**45**
	4/11/2017	**2.4**	< 1.0	NA	**110 D**	NA	**180 D**	NA
	4/11/2017 Dup	**2.3**	< 1.0	NA	**99 D**	NA	**160 D**	NA
	10/5/2017	**7.0**	< 1.0	NA	**190**	NA	**240**	NA
	10/5/2017 Dup	**6.8**	< 1.0	NA	**160**	NA	**230**	NA
	4/25/2018	**1.4**	< 1.0	NA	**120**	NA	**120**	NA
	4/25/2018 Dup	**1.5**	< 1.0	NA	**130**	NA	**130**	NA
	10/2/2018	**1.8**	**1.6**	NA	**109 D**	NA	**192 D**	NA
	10/2/2018 Dup	**2.5**	**2.0**	NA	**89**	NA	**172**	NA
	4/15/2019	**0.98**	< 1.0	NA	NA	NA	**119 D**	NA
	4/15/2019 Dup	**0.64**	< 1.0	NA	NA	NA	**129 D**	NA
	10/15/2019	**1.75**	**1.99**	NA	NA	NA	**312**	NA
	4/9/2020	<0.300	<1.00	NA	NA	NA	**74.6 D**	NA
	10/20/2020	**1.70**	**1.13**	NA	NA	NA	**312 D**	NA
	4/12/2021	**1.18**	**1.82**	NA	NA	NA	**373 D**	NA
	10/6/2021	**2.18**	<1.00	NA	NA	NA	**375 D**	NA
	4/21/2022	<0.50 U	<0.50 U	NA	NA	NA	**110**	NA
		MW-230 Ecy Apprvd Cease Sampling, Continue Gauging 10-2022						
MW-231	10/22/2009	**110**	**68,000**	**30 J**	**840**	<0.95	**2,300**	**14**
	4/22/2010	**48**	**18,000**	**14 J**	**410**	<0.95	**920**	**4.7**
	10/20/2010	**110**	**48,000**	**23**	**260**	<0.96	**710**	**2.5**
	10/11/2011	**50**	**48,000**	**13**	**560**	**<2.4**	**1,700**	**44**
	4/18/2012	**5.3**	**1,200**	<9.5	**32**	<0.95	**110**	**4.0**
	11/8/2012	**75**	**23,100**	**15 J**	**210**	<0.95	**730**	**5.5**
	4/11/2013	**25**	**14,000**	**22**	**220**	<0.95	**930**	**14**
	10/16/2013	**13**	**15,000**	**230 J**	**240**	<0.95	**820**	**3.9**
	4/15/2014	**9.1**	**6,200**	<9.5	**77**	<0.95	**370**	**3.4**
	10/23/2014	**< 60**	**6,600**	< 0.39 H	**450 H**	**0.86 JH**	**2,200 H**	**3.5 JH**
	4/22/2015	**< 21**	**3,600**	< 0.39	**320**	**1.3 JB**	**1,700**	**2.6 J**
	4/22/2015 Dup	**< 100**	**3,800**	< 0.39	**300**	**1.4 JB**	**1,800**	**3.8 J**
	10/19/2015	**13 D**	**14,000 D**	**11**	**200**	< 0.95	**1,700 D**	**3.3**
	4/11/2016	< 1.0	**52**	< 9.5	< 0.95	< 0.95	**1.3**	< 1.9
	4/11/2016 Dup	< 1.0	**63**	< 9.5	< 0.95	< 0.95	**5.5**	< 1.9
	10/27/2016	< 2.0	**1,800 D**	NA	**160**	NA	**850 D**	NA
	4/10/2017	< 1.0	**13**	NA	**17**	NA	**67.0**	NA
	10/4/2017	< 0.50	**3,600 D**	NA	**370 D**	NA	**1,200 D**	NA
	4/26/2018	< 1.0	< 1.0	NA	**5.6**	NA	**26**	NA
	10/2/2018	1.0	**1,110 D**	NA	**163**	NA	**639**	NA
	4/12/2019	**16.1**	**61.9**	NA	NA	NA	**1060 D**	NA
	10/15/2019	**1.1**	**2.68**	NA	NA	NA	**1190 D**	NA
	4/9/2020	**1,370 D**	**57,800 D**	NA	NA	NA	**91.0 D**	NA
	5/12/2020	**0.590**	<1.00	NA	NA	NA	NA	NA
	5/12/2020 Dup	**0.540**	<1.00	NA	NA	NA	NA	NA
	10/20/2020	**0.710**	**2.88**	NA	NA	NA	**1,670 D**	NA
	10/20/2020 Dup	**0.770**	**3.22**	NA	NA	NA	**1,650 D**	NA
	4/13/2021	< 0.300	< 1.00	NA	NA	NA	**56.1**	NA
	4/13/2021 Dup	< 0.300	< 1.00	NA	NA	NA	**52.9**	NA
	10/6/2021	**0.370**	**3.65**	NA	NA	NA	**51.1 D**	NA
	4/21/2022	**0.56**	<0.50 U	NA	NA	NA	**45**	NA
		MW-231 Ecy Apprvd Cease Sampling & Gauging 10-2022						
MW-232	10/22/2009	< 1.0	< 1.0	< 9.7 J	<0.97	<0.97	**280**	**7.3**
	4/22/2010	< 1.0	< 1.0	<10 J	< 1.0	< 1.0	**220**	**9.2**
	10/20/2010	< 1.0	< 1.0	<9.6	<0.96	<0.96	**260**	**3.5**
	10/10/2011	<1.0	< 1.0	<9.3	<0.93	<0.93	**190 J**	**10 J**
	4/19/2012	<1.0	< 1.0	<9.5	<0.95	**<2.4**	**110**	**3.3**
	11/8/2012	<1.0	< 1.0	**<9.5 UJ**	<0.95	<0.95	**200**	**7.0**
	4/10/2013	<1.0	< 1.0	11	<0.95	**1.9**	**160**	**6.7**
	10/15/2013	<1.0	< 1.0	<10 UJ	<1.0	<1.0	**130**	**23**
	4/16/2014	< 1.0	< 1.0	<9.5	<0.95	<0.95	**140**	8.3
	10/21/2014	< 0.06	NA	NA	NA	< 0.26	**92**	NA
	4/21/2015	< 0.42	NA	NA	NA	1.3 JB	**190**	NA
	10/20/2015	< 0.50	NA	NA	NA	< 0.95	**150**	NA
	4/13/2016	< 0.50	NA	NA	NA	< 0.95	**84**	NA
	10/27/2016	NA	NA	NA	NA	NA	**180**	NA
	4/11/2017	NA	NA	NA	NA	NA	**96**	NA
	10/5/2017	NA	NA	NA	NA	NA	**160**	NA
	4/25/2018	NA	NA	NA	NA	NA	**68**	NA
	10/1/2018	NA	NA	NA	NA	NA	**52 D**	NA
		MW-232 Ecy Approved Cease Sampling, Continue Water Level Gauging 11-14-18						
MW-245	10/25/2007	**4.4**	< 1.0	<10 UJ	< 1.0	< 1.0	**870**	**18**
	4/17/2008	**3.2**	< 1.0	<9.6 UJ	<0.96	<0.96	**1,600**	**23**
	10/24/2008	< 1	< 1.0	NA	<0.98	<0.98	**700**	**17**
	4/20/2009	< 1.0	< 1.0	< 9.6 J	<0.96	<0.96	**770**	**12**
	10/22/2009	< 1.0	< 1.0	**< 9.6 J**	<0.96	<0.96	400	**7.3**
	4/22/2010	< 1.0	< 1.0	< 9.0 J	<0.99	<0.99	**470**	**14**
	10/21/2010	< 1.0	< 1.0	< 10	< 1.0	< 1.0	**320**	**15**
	10/10/2011	<1.0	< 1.0	<9.3	<0.93	<0.93	**330 J**	**12 J**
	4/19/2012	<1.0	< 1.0	<9.5	<0.95	**<2.4**	**350**	**8.3**
	11/7/2012	<1.0	< 1.0	<9.5 UJ	<0.95	<0.95	**180**	**2.1**
	4/10/2013	<1.0	< 1.0	<9.6	<0.96	<0.96	**260**	**7.5**
	10/16/2013	<1.0	< 1.0	<9.5 UJ	<0.95	<0.95	**150**	**5.7**
	4/15/2014	< 1.0	< 1.0	<9.5	<0.95	**21**	**130**	3.0
	10/21/2014	< 0.06	NA	NA	NA	< 0.26	**140**	NA
	4/21/2015	< 0.42	NA	NA	NA	**1.1 JB**	**200**	NA
	10/20/2015	< 0.50	NA	NA	NA	< 0.95	**77**	NA
	4/13/2016	< 0.50	NA	NA	NA	< 0.95	**180**	NA
	10/27/2016	NA	NA	NA	NA	< 0.96	**140**	NA
	4/11/2017	NA	NA	NA	NA	< 0.95	**130**	NA
	10/5/2017	NA	NA	NA	NA	< 2.5	**96**	NA
	4/26/2018	NA	NA	NA	NA	< 0.96	**120**	NA
	10/1/2018	NA	NA	NA	NA	< 0.50	**81**	NA
	4/12/2019	NA	NA	NA	NA	NA	**161 D**	NA
	10/15/2019	NA	NA	NA	NA	NA	**74**	NA
	4/7/2020	NA	NA	NA	NA	NA	**124 D**	NA
	10/20/2020	NA	NA	NA	NA	NA	**97.5 D**	NA
	4/12/2021	NA	NA	NA	NA	NA	**105 D**	NA
	10/4/2021	NA	NA	NA	NA	NA	**101 D**	NA
	4/21/2022	NA	NA	NA	NA	NA	**97**	NA
	4/19/2023	NA	NA	NA	NA	NA	**98**	NA
	4/4/2024	NA	NA	NA	NA	NA	**80**	NA
	4/28/2025	NA	NA	NA	NA	NA	**85**	NA
	4/21/2026	NA	NA	NA	NA	NA	**47.5**	NA

Table 2-2
NIA Groundwater Analytical Data (10/2007 – 4/2026)

Well	Date	VOCs (µg/L) (EPA Method 8021B/8260)		SVOCs (µg/L) (EPA Method 8270C SIM)				
		Benzene	Toluene	Benzoic Acid	Biphenyl	Bis (2-ethylhexyl) phthalate	Diphenyl Oxide	Phenol
	Cleanup Level	**1.2**	**2,000**	**24,590**	**230**	**1.8**	**410**	**2,560**
MW-256	10/25/2007	< 1.0	< 1.0	<11 UJ	< 1.1	< 1.1	**200**	**6.6**
	4/17/2008	< 1.0	< 1.0	**< 9.5 UJ**	<0.95	<0.95	**120**	**1.9**
	10/28/2008	< 1.0	< 1.0	17 J	<0.95	<0.95	**150**	4.7
	4/20/2009	< 1.0	< 1.0	<9.6 J	<0.96	<0.96	**47**	< 2
	10/22/2009	< 1.0	< 1.0	<9.5 J	<0.95	<0.95	**22**	<1.9
	4/22/2010	< 1.0	< 1.0	<9.0 J	<0.95	<0.95	**28**	<1.0
	10/21/2010	< 1.0	< 1.0	<9.9	<0.99	<0.99	**25**	<2.0
	10/10/2011	< 1.0	< 1.0	<9.3	<0.93	<0.93	**31 J**	<1.9
	4/18/2012	< 1.0	< 1.0	<9.7	<0.97	**<2.4**	**5.9**	<2.0
	11/8/2012	< 1.0	< 1.0	<9.5 UJ	<0.95	<0.95	**23**	<1.9
	4/10/2013	< 1.0	< 1.0	<9.5	<0.95	<0.95	**5.6**	<1.9
	10/16/2013	< 1.0	< 1.0	<9.5 UJ	<0.95	<0.95	**23**	<1.9
	4/15/2014	< 1.0	< 1.0	<9.5	<0.95	<0.95	**24**	<1.9
	10/21/2014	< 0.06	NA	NA	NA	NA	**27**	NA
	4/21/2015	< 0.42	NA	NA	NA	NA	**26**	NA
	10/20/2015	< 0.50	NA	NA	NA	NA	**16**	NA
	4/13/2016	< 0.50	NA	NA	NA	NA	**30**	NA
	10/27/2016	NA	NA	NA	NA	NA	**10**	NA
	4/11/2017	NA	NA	NA	NA	NA	**1.5**	NA
	10/5/2017	NA	NA	NA	NA	NA	**23**	NA
	4/26/2018	NA	NA	NA	NA	NA	**5.0**	NA
	10/1/2018	NA	NA	NA	NA	NA	**14.9**	NA
	4/12/2019	NA	NA	NA	NA	NA	**17.5**	NA
	10/15/2019	NA	NA	NA	NA	NA	**21.3**	NA
	4/7/2020	NA	NA	NA	NA	NA	<0.517	NA
	10/20/2020	NA	NA	NA	NA	NA	**21.6**	NA
	4/12/2021	NA	NA	NA	NA	NA	**8.64**	NA
	10/4/2021	NA	NA	NA	NA	NA	**8.24 D**	NA
	4/21/2022	NA	NA	NA	NA	NA	**14**	NA
	4/19/2023	NA	NA	NA	NA	NA	**15**	NA
	4/4/2024	NA	NA	NA	NA	NA	**15**	NA
	4/28/2025	NA	NA	NA	NA	NA	**18**	NA
	4/21/2026	NA	NA	NA	NA	NA	**11.5**	NA
KC-9	10/22/2009	**28**	**1.7**	< 9.5 J	**1300**	< 0.95	**5,400**	**21**
	4/23/2010	**5**	< 1.0	< 9.0 J	**170**	< 0.98	**730**	**7.4**
	10/21/2010	**14**	< 1.0	< 9.6	**840**	< 0.96	**3,600**	**18**
	10/10/2011	**10**	<1.0	<9.3	**420**	**<2.4**	**1,900**	**21**
	4/18/2012	**3.6**	<1.0	<9.5	**150**	<0.93	**600**	**8.7**
	11/8/2012	**2.2**	<1.0	<9.5 UJ	**170**	<0.95	**1,000**	**10**
	4/10/2013	**3.7**	< 1.0	**11**	**110**	<0.95	**810**	**5.1**
	10/16/2013	**4.3**	< 1.0	<9.5 UJ	**99**	<0.95	**1,300**	**6.6**
	4/15/2014	**2.8**	< 1.0	<9.5	**51**	<0.95	**740**	**6.4**
	10/21/2014	**Inaccessible due to construction; not sampled**						
	4/21/2015	**5.8**	< 0.44	**5.4 J**	**150**	**1.2 JB**	**1,300**	**9.4 J**
	10/20/2015	**18**	< 1.0	< 9.5	**570 D**	< 0.95	**4,000 D**	**25**
	4/13/2016	**3.5**	< 1.0	< 9.5	**100**	**< 0.95**	**690 D**	**12**
	10/27/2016	**3.0**	< 1.0	NA	**120**	**NA**	**1,800 D**	NA
	4/11/2017	**1.3**	< 1.0	NA	**62**	NA	**810 D**	NA
	10/5/2017	**2.2**	< 1.0	NA	**73**	NA	**1,900 D**	NA
	4/26/2018	**2.9**	< 1.0	NA	**57**	NA	**1,600 D**	NA
	10/1/2018	**4.9**	< 1.0	NA	**53 D**	NA	**2,010 D**	NA
	4/15/2019	**2.09**	< 1.0	NA	NA	NA	**5,980 D**	NA
	10/15/2019	**3.58**	<1.00	NA	NA	NA	**3,290 D**	NA
	4/7/2020	<0.300	<1.00	NA	NA	NA	**1,930 D**	NA
	10/20/2020	**2.79**	<1.00	NA	NA	NA	**2,660 D**	NA
	4/12/2021	**2.37**	<1.00	NA	NA	NA	**2,870 D**	NA
	10/4/2021	**2.96**	<1.00	NA	NA	NA	**2,630 D**	NA
	4/19/2022	**1.0**	< 0.50 U	NA	NA	NA	**1,400 D**	NA
	4/19/2023	**0.9**	< 0.50 U	NA	NA	NA	**1,800 D**	NA
	4/4/2024	< 0.50 U	< 0.50 U	NA	NA	NA	**900 D**	NA
	4/28/2025	**0.72**	< 0.50 U	NA	NA	NA	**2,000 D**	NA
	4/21/2026	< 0.50 U	< 0.50 U	NA	NA	NA	**953**	NA
PDW-117	10/22/2009	**21**	**5.4**	**36 J**	**750**	**6.5**	**1,700**	**6.2**
	4/22/2010	**< 1.0**	< 1.0	<9.0 J	**47**	<0.95	**140**	**5.6**
	10/20/2010	**5.7**	< 1.0	<9.9	**180**	<0.99	**970**	**15**
	10/11/2011	**7.6**	< 1.0	<9.5	**57**	**<2.4**	**400**	**8.4**
	4/18/2012	**1.1**	< 1.0	<9.5	**41**	<0.95	**180**	**4.4**
	11/8/2012	**23**	< 1.0	<9.5 UJ	**48**	<0.95	**360**	**20**
	4/11/2013	**4.4**	< 1.0	<9.5	**160**	<0.95	**1,200**	**6.3**
	10/15/2013	**5.9**	< 1.0	< 10 UJ	**150**	<1.0	**1,000**	**12**
	4/16/2014	**4.7**	< 1.0	<9.5	**59**	<0.95	**740**	**6.3**
	10/23/2014	**7**	**0.23 J**	**4.8 JH**	**22 H**	< 0.26 H	**1,700 H**	**8.6 JH**
	4/22/2015	**3.6**	< 0.44	< 0.40	**8.7**	< 0.26	**1,900**	**16**
	10/20/2015	**7.1**	< 1.0	< 9.5	**34**	< 0.95	**2,500 D**	**19**
	4/13/2016	< 1.0	< 1.0	< 9.5	**38**	< 0.95	**310 D**	**4.9**
	10/28/2016	< 1.0	< 1.0	NA	**1.0**	NA	**140**	NA
	4/11/2017	< 1.0	< 1.0	NA	**7.9**	NA	**150**	NA
	10/5/2017	**2**	< 1.0	NA	< 0.97	NA	**540 D**	NA
	4/26/2018	< 1.0	< 1.0	NA	< 0.96	NA	**1,700 D**	NA
	10/2/2018	**2.6**	< 1.0	NA	**9.6 D**	NA	**524 D**	NA
	4/15/2019	**0.99**	< 1.0	NA	NA	NA	**4,600 D**	NA
	10/15/2019	**2.06**	<1.00	NA	NA	NA	**1950 D**	NA
	4/9/2020	**0.860**	<1.00	NA	NA	NA	**2040 D**	NA
	4/9/2020 Dup	**0.930**	<1.00	NA	NA	NA	**1560 D**	NA
	10/20/2020	**0.500**	<1.00	NA	NA	NA	**1,570 D**	NA
	4/12/2021	< 0.300	< 1.00	NA	NA	NA	**1,070 D**	NA
	10/4/2021	**0.680**	<1.00	NA	NA	NA	**1,030 D**	NA
	4/19/2022	< 0.50 U	< 0.50 U	NA	NA	NA	**1,300 D**	NA
	4/19/2023	< 0.50 U	< 0.50 U	NA	NA	NA	**1,900 D**	NA
	4/4/2024	< 0.50 U	< 0.50 U	NA	NA	NA	**1,700 D**	NA
	4/28/2025	**3.0**	< 0.50 U	NA	NA	NA	**1,600 D**	NA
	4/21/2026	< 0.50 U	< 0.50 U	NA	NA	NA	**404**	NA
East Sump	7/25/2007	**7.5**	**30**	< 9.5 U	**29**	<0.95 U	**910 D**	**8**
	10/24/2007	**6**	**16**	< 9.0 UJ	**13**	<0.96	**960**	**11**
	1/17/2008	**9.7 D**	**160 D**	< 9.5 U	**13**	<0.95 U	**650 D**	**8.1**
	4/15/2008	**12**	**710**	< 9.5 UJ	**19**	<0.95	**730**	**27**
	7/28/2008	**5.6**	**69**	< 9.6	**21**	<0.96	**600**	**5.6**
	10/24/2008	**7.9**	**57**	NA	**17**	<0.97	**1,200**	**14**
	1/30/2009	**2.3**	< 1	< 9.5	**13**	<0.95	**580**	**6.2**
	4/20/2009	**4.3**	79	< 9.6 J	**7.6**	<0.96	**590**	**3.6**
	10/21/2009	**2.4**	< 1.0	< 11 J	**3.4**	< 1.1	**500**	**15**
	4/22/2010	**1.9**	< 1.0	< 10 J	**4.4**	< 1.0	**330**	**4.4**
	10/21/2010	**14**	< 1.0	< 10	**6.7**	< 1.0	**760**	**18**
	10/10/2011	**9.7**	< 1.0	<9.5	**3.3 J**	<0.95	**310 J**	**5.1 J**
	4/19/2012	**1.9**	< 1.0	<9.5	**4.4**	<2.4	**280**	<1.9
	11/7/2012	<1.0	< 1.0	<9.5 UJ	**2.4**	<0.95	**220**	**2.4**
	4/10/2013	<1.0	< 1.0	<9.5	**2.0**	<0.95	**200**	**2.8**
	10/16/2013	<1.0	< 1.0	<9.5 UJ	**1.8**	<0.95	**260**	**2.8**
	4/14/2014	< 1.0	< 1.0	<9.5	**1.6**	<0.95	**190**	<1.9
	10/21/2014	< 0.06	< 0.11	NA	NA	NA	**200**	NA
	4/20/2015	< 0.42	**1.2 J**	NA	NA	NA	**150**	NA
	10/20/2015	< 1.0	< 1.0	NA	NA	NA	<0.95	NA
	4/13/2016	< 1.0	< 1.0	NA	NA	NA	**260 D**	NA
	10/27/2016	< 1.0	< 1.0	NA	NA	NA	**53**	NA
	4/10/2017	< 1.0	< 1.0	NA	NA	NA	**170**	NA
	10/4/2017	< 0.50	< 1.0	NA	NA	NA	**360 D**	NA
	4/23/2018	< 1.0	< 1.0	NA	NA	NA	**140**	NA
	10/2/2018	< 0.3	< 1.0	NA	NA	NA	**92 D**	NA
	4/12/2019	< 0.3	< 1.0	NA	< 0.644	NA	**112**	NA
	10/15/2019	<0.300	<1.00	NA	<0.473	NA	**266**	NA
	4/7/2020	<0.300	<1.00	NA	<0.475	NA	**80.5 D**	NA
	10/19/2020	**54.5**	<1.00	NA	<0.481	NA	**216 D**	NA
	10/19/2020 Dup	**55.1**	<1.00	NA	<0.483	NA	**278**	NA
	1/15/2021	**5.98**	<1.00	NA	NA	NA	NA	NA
	4/8/2021	**15.5**	<1.00	NA	<0.479	NA	**117 D**	NA
	7/16/21 ALS 8260	**2.0**		NA	NA	NA	NA	NA
	7/16/21 Spclty 802	**2.19**	**1.15**	NA	NA	NA	NA	NA
	10/1/2021 Spclty 8	<0.300	<1.00	NA	<0.473	NA	**104 H (lab)**	NA
	10/1/2021 DUP	<0.300	<1.00	NA	<0.474	NA	NA	NA
	4/14/2022 ALS	<0.50 U	<0.50 U	NA	<0.94	NA	**99**	NA
	4/14/2022 DUP	<0.50 U	<0.50 U	NA	<0.94	NA	**99**	NA
	10/18/2022	< 0.50 U	<0.50 U	NA	<0.66 U	NA	**290 D**	NA
	4/19/2023	< 0.50 U	< 0.50 U	NA	<0.98 U	NA	**95**	NA
	10/12/2023	< 0.50 U	< 0.50 U	NA	<0.94 U	NA	**160**	NA
	4/4/2024	< 0.50 U	< 0.50 U	NA	<0.96 U	NA	**200 D**	NA
	10/17/2024	**1.4**	**8.7**	NA	<0.94 U	NA	**730 D**	NA
	4/17/2025	< 0.50 U	< 0.50 U	NA	<0.94 U	NA	**120**	NA
	10/15/2025	< 0.50 U	< 0.50 U	NA	<1.0 U	NA	**83**	NA
	4/20/2026	< 0.50 U	< 0.50 U	NA	<0.19 U*	NA	**114**	NA

Table 2-2
NIA Groundwater Analytical Data (10/2007 – 4/2026)

Well	Date	VOCs (µg/L) (EPA Method 8021B/8260)		SVOCs (µg/L) (EPA Method 8270C SIM)				
		Benzene	Toluene	Benzoic Acid	Biphenyl	Bis (2-ethylhexyl) phthalate	Diphenyl Oxide	Phenol
	Cleanup Level	**1.2**	**2,000**	**24,590**	**230**	**1.8**	**410**	**2,560**
West Sump	7/25/2007	**270 D**	**1,900 D**	**12**	**180 D**	<0.95 U	**1,600 D**	**9.5**
	7/25/2007 Dup	**270 D**	**1,500 D**	**11**	**160 D**	**2.5**	**1,600 D**	**14**
	10/24/2007	**270 J**	**1,300 J**	**32 J**	**190**	<0.96	**2,200**	**22 J**
	10/24/2007 Dup	**450 J**	**2,000 J**	**20 J**	**210**	<0.95	**2,100**	**16 J**
	1/17/2008	**410 D**	**8,300 D**	9.8	**45**	<0.96 U	**620 D**	**62 D**
	1/17/2008 Dup	**400 D**	**7,900 D**	< 9.7 U	**42**	<0.97 U	**600 D**	**55 D**
	4/15/2008	**79**	**820**	< 9.5 UJ	**160**	**1.1**	**1,200**	**8.7**
	4/15/2008 Dup	**83**	**780**	< 9.5 UJ	**160**	<0.95	**1,200**	**8.4**
	7/28/2008	**200**	**740**	< 9.5	**140**	<0.95	**1,300**	**18**
	7/28/2008 Dup	**200**	**740**	< 9.5	**140**	<0.95	**1,200**	**21**
	10/24/2008	**140**	**1,700**	**26 J-**	**110**	<0.95	**1,000**	**15**
	1/30/2009	**160**	**1,400**	26	**78**	<0.95	**880**	**2.5**
	1/30/2009 Dup	**150**	**1,300**	< 9.5	**110**	<0.95	**870**	**17**
	4/20/2009	**26**	**78**	< 9.6 J	**150**	<0.96	**1,100**	**5.7**
	4/20/2009 Dup	**27**	**78**	< 9.6 J	**130**	<0.96	**1,000**	**5.3**
	10/20/2009	**100**	**1,100**	< 9.5 J	**5.0 J**	<0.95	**570 J**	**31**
	10/21/2009 Dup	**100**	**1,100**	< 9.5 J	**59 J**	<0.95	**970 J**	**28**
	4/22/2010	**56**	**77**	< 9.0 J	**46**	<0.95	**490**	**5**
	4/22/2010 Dup	**59**	**85**	< 9.0 J	**45**	<0.99	**490**	**6.8**
	10/21/2010	**42**	**69**	< 9.8	**15**	< 0.98	**470**	**100**
	10/10/2011	**33**	**210**	<9.5	**45 J**	<0.95	**730 J**	**8.7 J**
	10/10/2011 Dup	**33**	**210**	<9.3	**23 J**	<0.93	**560 J**	**20 J**
	4/19/2012	**71**	**230**	<9.5	**27**	**< 2.4**	**320**	**4.2**
	4/19/2012 Dup	**71**	**230**	<9.5	**27**	**< 2.4**	**310**	**4.3**
	11/7/2012	**52**	**109**	<9.5 UJ	**49**	<0.95	**760**	**6.1**
	11/7/2012 Dup	**48**	**101**	<9.5 UJ	**46**	<0.95	**750**	**6.1**
	4/10/2013	**34**	**23**	**12**	**42**	<0.95	**410**	**5.0**
	4/10/2013 Dup	**34**	**22**	**9.8**	**42**	<0.95	**430**	**5.3**
	10/16/2013	**33**	**18**	<9.5	**45**	<0.95	**770**	**4.6**
	10/16/2013 Dup	**33**	**19**	<9.5	**42**	<0.95	**750**	**5.1**
	4/14/2014	**67**	**120**	<9.5 UJ	**47**	<0.95	**520**	**7.4**
	4/14/2014 Dup	**72**	**120**	<9.5 UJ	**46**	<0.95	**520**	**8.4**
	10/21/2014	**4.4**	**0.91**	NA	NA	NA	**830**	NA
	10/21/2014 Dup	**4.4**	**0.85**	NA	NA	NA	**980**	NA
	4/20/2015	**56**	**60**	NA	NA	NA	**550**	NA
	10/20/2015	**4.4**	< 1.0	NA	NA	NA	200	NA
	10/20/2015 Dup	4.5	< 1.0	NA	NA	NA	**200**	NA
	4/13/2016	**74**	**51**	NA	NA	NA	**180**	NA
	4/13/2016 Dup	**71**	**50**	NA	NA	NA	**190**	NA
	10/27/2016	**5.0**	**5.5**	NA	NA	NA	**1,100 D**	NA
	10/27/2016 Dup	**6.1**	**7.1**	NA	NA	NA	**1,100 D**	NA
	4/10/2017	**65 D**	**40 D**	NA	NA	NA	**100**	NA
	4/10/2017 Dup	**68 D**	**42 D**	NA	NA	NA	**100**	NA
	10/4/2017	**2.7**	**3.7**	NA	NA	NA	**790 D**	NA
	10/4/2017 Dup	**2.8**	**3.4**	NA	NA	NA	**770 D**	NA
	4/23/2018	**21**	**8.6**	NA	NA	NA	**300 D**	NA
	4/23/2018 Dup	**21**	**8.6**	NA	NA	NA	**300 D**	NA
	10/2/2018	**3.3**	**< 1.0**	NA	NA	NA	**844 D**	NA
	10/2/2018 Dup	**2.9**	**< 1.0**	NA	NA	NA	**595 D**	NA
	4/12/2019	**18.2**	**11.8**	NA	**37.8**	NA	**898 D**	NA
	4/12/2019 Dup	**18.6**	**12.4**	NA	**37.8**	NA	**962 D**	NA
	10/15/2019	**1.11**	<1.00	NA	**22.1**	NA	**996 D**	NA
	10/15/2019 Dup	**1.16**	<1.00	NA	**24.1**	NA	**1020 D**	NA
	4/7/2020	**9.57**	**11.8**	NA	**11.9**	NA	**532 D**	NA
	4/7/2020 Dup	**9.69**	**10.7**	NA	**12.9**	NA	**603 D**	NA
	10/19/2020	**0.970**	<1.00	NA	**13.1**	NA	**874 D**	NA
	1/15/2021	**15.2**	**2.45**	NA	**NA**	NA	**NA**	NA
	4/8/2021	**4.51**	**1.86**	NA	**8.82**	NA	**690 D**	NA
	10/1/2021	**0.500**	<1.00	NA	<0.474	NA	**119 H (lab)**	NA
	4/14/2022	**2.7**	<0.50 U	NA	**5.4**	NA	**400 D**	NA
	10/18/2022	**0.55**	<0.50 U	NA	**6.1**	NA	**750 D**	NA
	4/19/2023	**2.3**	**3.0**	NA	**7.0**	NA	**410 D**	NA
	10/12/2023	< 0.50 U	< 0.50 U	NA	**2.9**	NA	**820 D**	NA
	4/4/2024	**14**	2.6	NA	**2.7**	NA	**230 D**	NA
	10/17/2024	< 0.50 U	< 0.50 U	NA	**3.1**	NA	**1000 D**	NA
	10/17/2024 Dup	NA	NA	NA	**2.9**	NA	**960 D**	NA
	4/17/2025	< 0.50 U	< 0.50 U	NA	**2.0**	NA	**430 D**	NA
	10/15/2025	**0.62**	**0.11 J**	NA	**1.1**	NA	**613**	NA
	4/20/2026	**5.3**	< 0.50 U	NA	<0.19 U*	NA	**174**	NA

Notes:
< - Result is non-detected above the laboratory detection limit.
< - Detection limit above cleanup level.
Bold indicates detection.
Dup - Field Duplicate Sample.
NA - Not analyzed per Ecology approval.
J - Estimated concentration.
UJ - Not detected, estimate concentration.
Bold and shaded Detection above cleanup level.
EPA = U.S. Environmental Protection Agency; µg/L micrograms per liter; mg/L = milligrams per liter; NIA = North Impacted Area;

Table 2-3
NIA Interception Trench Sump Pump Operation Data (2025-2026)

Current Reporting Year: Monthly Data	Total Groundwater Extracted			Days of Operation	Average Flow Rate[1]	
	East Sump (gallons)	West Sump (gallons)	Combined (gallons)		(gallons per day)	(gallons per minute)
April 2026	1,598,425	1,207,914	2,806,339	35	80,181	56
March 2026	1,519,326	1,082,754	2,602,080	28	92,931	65
February 2026	1,892,083	1,368,548	3,260,631	29	112,436	78
January 2026	2,316,681	1,557,068	3,873,749	35	110,679	77
December 2025	1,732,424	997,077	2,729,501	28	97,482	68
November 2025	787,305	592,985	1,380,290	28	49,296	34
October 2025	473,901	461,468	935,369	35	26,725	19
September 2025	308,865	451,345	760,210	28	27,150	19
August 2025	333,034	469,426	802,460	28	28,659	20
July 2025	750,709	686,841	1,437,550	35	41,073	29
June 2025	1,241,064	690,066	1,931,130	28	68,969	48
May 2025	1,714,015	967,065	2,681,080	28	95,753	66
Data by Year (1999 – 2023)						
May 2025 - April 2026 Total			25,200,389	365	69,042	48
May 2024 - April 2025 Total			29,407,511	365	80,569	56
May 2023 - April 2024 Total			28,338,340	365	77,639	54
May 2022 - April 2023 Total			33,363,099	365	91,406	63
May 2021 - April 2022 Total			29,004,774	364	79,683	55
May 2020 - April 2021 Total			25,686,164	335	76,675	53
May 2019 - April 2020 Total			25,672,040	364	70,528	49
May 2018 - April 2019 Total			26,892,240	365	73,677	51
May 2017 - April 2018 Total			34,527,000	365	94,595	66
May 2016 - April 2017 Total			27,211,420	357	76,222	53
May 2015 - April 2016 Total			22,279,780	364	61,208	43
May 2014 - April 2015 Total			28,283,351	364	77,702	54
May 2013 - April 2014 Total			26,146,043	364	71,830	50
May 2012 - April 2013 Total			32,377,430	367	88,222	61
May 2011 - April 2012 Total			29,560,750	364	81,211	56
May 2010 - April 2011 Total			27,198,659	364	74,722	52
May 2009 - April 2010 Total			23,801,041	365	66,114	46
May 2008 - April 2009 Total			24,827,910	365	68,022	47
May 2007 - April 2008 Total			24,318,988	366	66,493	46
May 2006 - April 2007 Total			30,981,555	365	85,000	59
May 2005 - April 2006 Total			28,741,209	365	78,986	55
May 2004 - April 2005 Total			22,890,809	365	62,791	44
May 2003 - April 2004 Total			25,980,637	366	71,036	49
May 2002 - April 2003 Total			22,689,839	363	62,700	44
May 2001 - April 2002 Total			18,336,898	365	50,465	35
May 2000 - April 2001 Total			16,158,522	365	44,230	31
May 1999 - April 2000 Total			27,663,437	366	75,565	53
		Averages:	27,248,844		75,143	52

Notes:

[1] Calculated based on weekly totalizer readings.

NIA = North Impacted Area

Table 2-4
NIA Discharge Data (2025 – 2026)

East Sump

Chemical Name	Average Concentration (µg/L)*		May 2025 - October 2025 Contaminant Removal (lb)	November 2025 - April 2026 Contaminant Removal (lb)	East Sump Total Removal (lb)
	4/25 & 10/25 Avg.	10/25 & 4/26 Avg.			
Volatile Organic Compounds (EPA Method 8260)					
Benzene	0	0	0.0	0.0	0.0
Toluene	0	0	0.0	0.0	0.0
Semivolatile Organic Compounds (EPA Method 8270 mod.)					
Diphenyl Oxide	101	99	4.1	8.1	12.2

West Sump

Chemical Name	Average Concentration (µg/L)*		May 2025 - October 2025 Contaminant Removal (lb)	November 2025 - April 2026 Contaminant Removal (lb)	West Sump Total Removal (lb)
	4/25 & 10/25 Avg.	10/25 & 4/26 Avg.			
Volatile Organic Compounds (EPA Method 8260)					
Benzene	0.3	3	0.0	0.2	0.2
Toluene	0.05	0.05	0.0	0.0	0.0
Semivolatile Organic Compounds (EPA Method 8270 mod.)					
Diphenyl Oxide	522	394	16.2	22.4	38.6

East & West Combined NIA Total

Chemical Name	May 2025 - October 2025 Contaminant Removal (lb)	November 2025 - April 2026 Contaminant Removal (lb)	Combined NIA Total Removal (lb)
Volatile Organic Compounds (EPA Method 8260)			
Benzene	0.0	0.2	0.2
Toluene	0.0	0.0	0.0
Semivolatile Organic Compounds (EPA Method 8270 mod.)			
Diphenyl Oxide	20.3	30.5	50.8

Notes:
East Sump groundwater extracted = 14,667,832
West Sump groundwater extracted = 10,532,557
***Chemical concentrations are average for the period (May&Oct, Oct&April)**
Contaminant removal results are rounded.
EPA = U.S. Environmental Protection Agency; lb = pound; µg/L = micrograms per liter; NIA = North Impacted Area

Table 3-1
WIA Shallow Interception Trench Monitoring Program 2025 - 2026

Well Location	Sampling Frequency	Field Parameters	Analytical Parameters	Gauging Frequency
KC-13, KC-24R, PZ-110, MW-238, MW-255, N&S Sumps	—	—	—	Annually
PZ-104, PZ-107	Annually	Temperature, pH, ORP, conductivity, turbidity, DO	Benzene, Toluene, Biphenyl, DEHP, DPO	
USRW-2	Annually	Temperature, pH, ORP, conductivity, turbidity, DO	DPO	

Notes:
DO = dissolved oxygen; ORP = oxidation reduction potential; DPO = Diphenyl Oxide; DEHP = Bis (2-ethylhexyl) phthalate.
Ecy 11-28-17 Approval of EKC recommendation: Remove Well KC-11 from sampling and gauging list (already sampled Oct 2017)

Table 3-1 Proposed
Proposed WIA Shallow Interception Trench Monitoring Program 2026 Forward

Well Location	Sampling Frequency	Field Parameters	Analytical Parameters	Gauging Frequency
KC-13, KC-24R, PZ-104, PZ-110, MW-238, MW-255, N&S Sumps	—	—	—	Bi-Annual 2028, 2030, 2032…
PZ-104, ~~PZ-107~~	Bi-annual 2028, 2030, 2032…	Temperature, pH, ORP, conductivity, turbidity, DO	~~Benzene, Toluene, Biphenyl, DEHP~~, DPO	
USRW-2	Bi-annual 2028, 2030, 2032…	Temperature, pH, ORP, conductivity, turbidity, DO	DPO	

Table 3-2
WIA Upper Sand Analytical Data (10/2007 – 4/2026)

Well	Date	VOCs (µg/L) (EPA Method 8021B / 8260)		SVOCs (µg/L) (EPA Method 8270C SIM)				
		Benzene	Toluene	Benzoic Acid	Biphenyl	Bis (2-ethylhexyl) phthalate	Diphenyl Oxide	Phenol
	Cleanup Level	**1.2**	**2,000**	**24,590**	**230**	**1.8**	**410**	**2,560**
PZ-104	10/20/2009	**5.8**	< 1.0	<9.7 J	**550**	<0.97	**3,600**	**12**
	4/23/2010	**4.5**	< 1.0	<9.0 J	**180**	<0.95	**2,600**	**8.6**
	10/20/2010	**8.3**	< 1.0	< 10	**260**	< 1.0	**4,100**	**83**
	10/10/2011	**7.7**	< 1.0	<9.5	**150**	**<2.4**	**4,700**	**69**
	4/19/2012	**5.8**	< 1.0	<9.5	**29**	<0.95	**3,600**	**37**
	11/8/2012	**9.2**	< 1.0	<9.5 UJ	**36**	<0.95	**4,600**	**80**
	4/11/2013	**5.5**	< 1.0	<9.5	**47**	<0.95	**3,100**	**30**
	10/16/2013	**5.5**	< 1.0	<9.5 UJ	**4.9**	<0.95	**2,600**	**38**
	4/15/2014	**2.9**	< 1.0	<9.5	**13**	<0.95	**2,400**	**37**
	10/23/2014	**5.3**	< 0.11	< 0.40 H	**10 H**	< 0.26 H	**4,800 H**	**38 H**
	4/22/2015	**3**	< 0.44	< 0.40	**6.4**	**1.3 JB**	**3000**	**52**
	4/22/2015 Dup	**3**	< 0.44	< 0.39	**6.3**	**1.2 JB**	**3100**	**46**
	10/20/2015	**1.9**	< 1.0	< 9.5	**2.3**	< 0.95	**3,300 D**	**48**
	4/12/2016	< 1.0	< 1.0	< 9.5	**2.8**	**69**	**1,700 D**	**31**
	10/28/2016	**1.9**	< 1.0	NA	< 0.95	< 0.95	**3,700 D**	NA
	4/12/2017	< 0.50	< 1.0	NA	**2.2**	< 0.95	**1,600**	NA
	10/5/2017	**2.2**	< 1.0	NA	**4.7**	< 2.5	**2,800 D**	NA
	4/25/2018	< 1.0	< 1.0	NA	< 0.96	< 0.96	**1,600 D**	NA
	10/2/2018	**4.3**	**6.8**	NA	**50.2 D**	< 4.7 D	**3,620 D**	NA
	4/15/2019	**12.2**	< 1.0	NA	**381 D**	< 0.505	**8,350 D**	NA
	10/15/2019	**5.29**	<1.00	NA	**0.665**	<0.475	**2,740 D**	NA
	4/9/2020	**9.28**	<1.00	NA	**79.7 D**	**47.3 D**	**4,740 D**	NA
	5/12/2020	NA	NA	NA	**268 D**	<0.484	**12,100 D**	NA
	10/20/2020	**1.65**	<1.00	NA	**16.6**	<0.478	**3,140 D**	NA
	10/20/2020 Dup M	**1.66**	<1.00	NA	**22.4 D**	<0.479	**3,420 D**	NA
	4/12/2021	**5.67**	<1.00	NA	**86.1**	<0.478	**4,530 D**	NA
	10/4/2021	**0.970**	<1.00	NA	**81.5 D**	<47.9 D	**4,300 D**	NA
	10/4/2021 Dup	**0.760**	<1.00	NA	**3,430 D**	<47.8 D	**4,080 D****	NA
	4/21/2022	**1.7**	<0.50 U	NA	**54**	<1.9 U	**3,300 D**	NA
	4/21/2022 Dup 4	**1.6**	<0.50 U	NA	**44**	<1.9 U	**2,900 D**	NA
	4/18/2023	**2.3**	<0.50 U	NA	**34**	**2.5 B**	**2,900 D**	
	4/18/2023 Dup 4	**2.4**	<0.50 U	NA	**40**	**2.5 B**	**3,000 D**	NA
	4/4/2024	**1.3**	<0.50 U	NA	**110 D**	< 2.4 U	**4000 D**	NA
	4/4/2024 Dup4	**1.4**	<0.50 U	NA	**100**	< 2.4 U	**3700 D**	NA
	4/28/2025	**2.3**	<0.50 U	NA	**38**	< 2.4 U	**4600 D**	NA
	4/28/2025 Dup4	**2.3**	<0.50 U	NA	**46**	< 2.4 U	**4300 D**	NA
	4/21/2026	**3.9**	**1.4**	NA	**53**	< 19 U	**1,960**	NA
	4/21/2026 Dup4	**3.9**	**1.5**	NA	**45**	< 19 U	**1,920**	NA
PZ-107	10/22/2009	NA	NA	NA	NA	NA	NA	NA
	4/23/2010	**5.3**	**590**	**1,300 J**	**1,500**	**<4.0**	**3,600**	**210**
	10/20/2010	**37**	**5,300**	**4,300**	**24,000**	**<200**	**65,000**	< 390
	10/11/2011 s	**100**	**5,300**	**38,000**	**110,000**	**3.4**	**300,000**	**220**
	4/19/2012 s	**18**	**130**	**7,400**	**1,700**	**600**	**4,300**	**140**
	11/7/2012 s	**19**	**227**	**900 J**	**4,400**	**30**	**12,000**	**41**
	4/11/2013 s	**160**	**2,000**	**8,000**	**140,000**	**1,200**	**330,000**	**270**
	10/16/2013 s	**13**	**200**	**450 J**	**1,200**	**6.4**	**4,400**	**40**
	4/15/2014 s	**5.5**	**57**	**640**	**1,000**	**<9.5**	**2,800**	**53**
	10/23/2014 s	**Not sampled**						
	4/23/2015 s	**6.6**	**82**	**2100**	**720**	**6.2 B**	**2,200**	**19**
	10/20/2015 s	**12**	**530 D**	**2,600 D**	**5,700 D**	**62 D**	**20,000 D**	< 48
	4/12/2016	**2.5**	**30**	**1,200 D**	**930 D**	<0.95	**2,300 D**	**36**
	10/28/2016	< 1.0	**6.8**	NA	**760 D**	< 0.96	**2,100 D**	NA
	4/12/2017	**0.62**	**15**	NA	**860 D**	< 9.5	**1,900 D**	NA
	10/5/2017	**1.2**	**32 D**	NA	**440 D**	2.7	**1,100 D**	NA
	4/25/2018	< 1.0	**1.7**	NA	**670 D**	< 9.6	**1,600 D**	NA
	10/3/2018	< 0.30	**3.9**	NA	**404 D**	< 4.7 D	**936 D**	NA
	4/15/2019	< 0.30	< 1.0	NA	**269 D**	<0.625	**622 D**	NA
	10/15/2019	<0.300	**1.45**	NA	**209**	<0.473	**1,080 D**	NA
	4/9/2020	<0.300	<1.00	NA	**22.1**	**1.08**	**176 D**	NA
	5/12/2020	NA	NA	NA	**159 D**	<0.487	**1,430 D**	NA
	10/20/2020	<0.300	<1.00	NA	**261 D**	<0.480	**649 D**	NA
	4/12/2021	<0.300	**3.67**	NA	**33.4**	<0.478	**85.8 D**	NA
	10/4/2021	<0.300	<1.00	NA	**60.9**	<0.345	**21.8**	NA
	4/21/2022	<0.50 U	<0.50 U	NA	**17**	<1.9 U	**64**	NA
	4/19/2023	<0.50 U	<0.50 U	NA	**150**	**2.7 B**	**480 D**	NA
	4/4/2024	<0.50 U	<0.50 U	NA	**29**	< 2.4 U	**72**	NA
	4/28/2025	<0.50 U	**1.2**	NA	**79**	< 2.4 U	**170**	NA
	4/21/2026	< 0.50 U	< 0.50 U	NA	**8.5**	< 19 U	**7**	NA
MW-244	10/24/2007	**1.1**	< 1.0	< 9.8 UJ	< 0.98	< 0.98	**720**	**30**
	4/17/2008	**1.1**	< 1.0	< 9.7 UJ	< 0.97	< 0.97	**560**	**16**
	10/27/2008	**3**	< 1.0	**11 J**	< 0.95	< 0.95	**960**	**20**
	4/22/2009	**1**	< 1.0	< 9.6 J	< 0.96	< 0.96	**1,300**	**9.1**
	10/20/2009	**1.3**	< 1.0	< 9.8 J	< 0.98	< 0.98	**820**	**41**
	4/22/2010	< 1.0	< 1.0	< 9.0 J	< 0.98	< 0.98	**1,000**	**38**
	10/19/2010	< 1.0	< 1.0	< 9.6	< 0.96	< 0.96	**340**	**5.7**
	10/11/2011	< 1.0	< 1.0	<9.5	<0.95	<0.95	**68**	<1.9
	4/18/2012	< 1.0	**2,400**	<9.5	<0.95	**<2.4**	**550**	**4.8**
	11/8/2012	< 1.0	< 1.0	<9.5 UJ	<0.95	<0.95	**590**	**7.8**
	11/8/2012 Dup	< 1.0	< 1.0	<9.5 UJ	<0.95	<0.95	**600**	**8.4**
	4/11/2013	< 1.0	< 1.0	<9.5	<0.95	<0.95	**530**	**14**
	4/11/2013 Dup	< 1.0	< 1.0	<9.5	<0.95	<0.95	**610**	**14**
	10/17/2013	< 1.0	< 1.0	<9.5 UJ	<0.95	<0.95	**410**	**8.2**
	4/15/2014	< 1.0	< 1.0	<9.5	<0.95	<0.95	**600**	**9.4**
	10/22/2014	**0.12 J**	< 0.11	NA	NA	< 0.28	**570**	NA
	4/21/2015	< 0.42	< 0.44	NA	NA	**1.2 JB**	**450**	NA
	10/20/2015	NA	NA	NA	NA	NA	**780 D**	NA
	4/13/2016	NA	NA	NA	NA	NA	**190**	NA
	10/27/2016	NA	NA	NA	NA	NA	**470 D**	NA
	4/11/2017	NA	NA	NA	NA	NA	**68**	NA
	10/3/2017	NA	NA	NA	NA	NA	**330 D**	NA
	4/24/2018	NA	NA	NA	NA	NA	**340 D**	NA
	10/1/2018	NA	NA	NA	NA	NA	**207**	NA
	4/15/2019	NA	NA	NA	NA	NA	**269 D**	NA
	10/15/2019	NA	NA	NA	NA	NA	**79.7 D**	NA
	4/9/2020	NA	NA	NA	NA	NA	**156 D**	NA
	Cease sampling Oct 2020 Sampling Round Per Ecy 10/21/20 Approval							

Table 3-2
WIA Upper Sand Analytical Data (10/2007 – 4/2026)

Well	Date	VOCs (µg/L) (EPA Method 8021B / 8260)		SVOCs (µg/L) (EPA Method 8270C SIM)				
		Benzene	Toluene	Benzoic Acid	Biphenyl	Bis (2-ethylhexyl) phthalate	Diphenyl Oxide	Phenol
	Cleanup Level	**1.2**	**2,000**	**24,590**	**230**	**1.8**	**410**	**2,560**
KC-11	10/20/2009 *	NS	NS	NS	NS	NS	NS	NS
	4/23/2010 *	NS	NS	NS	NS	NS	NS	NS
	10/11/2011	< 1.0	**2.8**	**26**	**28**	**<9.9**	**160**	<9.9
	4/19/2012	**1.4**	< 1.0	<9.5	<0.95	**<2.4**	**4.6**	<1.9
	11/7/2012 *	NS	NS	NS	NS	NS	NS	NS
	4/10/2013	<1.0	<1.0	<9.5	<0.95	<0.95	**38**	<1.9
	10/16/2013	**1.0**	<1.0	<10 UJ	<1.0	<1.0	**18**	<2.0
	4/15/2014	< 1.0	< 1.0	<9.5	<0.95	<0.95	**4.3**	<1.9
	10/22/2014 *	NS	NS	NS	NS	NS	NS	NS
	4/22/2015	< 0.42	< 0.44	NA	NA	**1.3 JB**	**4.9**	NA
	10/20/2015 *	NS	NS	NS	NS	NS	NS	NS
	4/12/2016	NA	NA	NA	NA	NA	**2.6**	NA
	10/27/2016	NA	NA	NA	NA	NA	**3.2**	NA
	4/10/2017	NA	NA	NA	NA	NA	**31**	NA
	10/4/2017	NA	NA	NA	NA	NA	NS	NA
	Cease Monitoring & Gauging KC-11 Per Ecy Approval 11-28-17							
KC-13	10/20/2009 *	NS	NS	NS	NS	NS	NS	NS
	4/23/2010 *	NS	NS	NS	NS	NS	NS	NS
	10/11/2011 *	NS	NS	NS	NS	NS	NS	NS
	4/19/2012 *	NS	NS	NS	NS	NS	NS	NS
	11/7/2012 *	NS	NS	NS	NS	NS	NS	NS
	4/10/2013 *	NS	NS	NS	NS	NS	NS	NS
	10/16/2013 *	NS	NS	NS	NS	NS	NS	NS
	4/15/2014 *	NS	NS	NS	NS	NS	NS	NS
	10/22/2014 *	NS	NS	NS	NS	NS	NS	NS
	4/22/2015	< 0.42	< 0.44	NA	NA	**1.7 JB**	**1.7 J**	NA
	10/20/2015 *	NS	NS	NS	NS	NS	NS	NS
	4/12/2016 *	NS	NS	NS	NS	NS	NS	NS
	Cease Monitoring KC-13, Continue Gauging Per Ecy 11/29/16 Ltr.							
USRW-2	10/25/2007	**2.8**	< 1.0	< 9.9 UJ	< 0.99	< 0.99	**1,500**	**39**
	10/25/2007 Dup	**2.7**	< 1.0	< 9.9 UJ	< 0.99	< 0.99	**1,400**	**40**
	4/17/2008	< 1.0	< 1.0	< 9.7 UJ	< 0.97	< 0.97	< 0.97	< 2
	4/17/2008 Dup	< 1.0	< 1.0	< 9.7 UJ	< 0.97	< 0.97	< 0.97	< 2
	10/28/2008	**1.2**	< 1.0	< 9.5 J	< 0.95	< 0.95	**1,500**	**22**
	10/28/2008 Dup	**1.1**	< 1.0	< 9.5 J	< 0.95	< 0.95	**1,600**	**23**
	4/22/2009	< 1.0	< 1.0	< 9.6 J	< 0.96	< 0.96	**1,000**	**10**
	4/22/2009 Dup	< 1.0	< 1.0	< 9.6 J	< 0.96	< 0.96	**1,100**	**8.4**
	10/20/2009	**1.2**	< 1.0	< 11 J	< 1.1	< 1.1	**800**	**41**
	10/20/2009 Dup	**1.2**	< 1.0	< 10 J	< 1.0	< 1.0	**970**	**43**
	4/22/2010	< 1.0	< 1.0	< 10 J	< 1.0	< 1.0	**850**	**20**
	4/22/2010 Dup	< 1.0	< 1.0	< 9.0 J	< 0.99	< 0.99	**780**	**20**
	10/19/2010	< 1.0	< 1.0	< 9.8	**5**	< 0.98	**880**	**43**
	10/11/2011	< 1.0	< 1.0	<9.5	<0.95	<0.95	**310**	**5.5**
	10/11/2011 Dup	< 1.0	< 1.0	<9.5	<0.95	<0.95	**490**	**6.7**
	4/19/2012	< 1.0	< 1.0	<9.5	<0.95	**<2.4**	**400**	**9.6**
	4/19/2012 Dup	< 1.0	< 1.0	<9.5	<0.95	**<2.4**	**400**	**9.3**
	11/7/2012	< 1.0	< 1.0	<9.5 UJ	<0.95	<0.95	**500**	**11**
	11/7/2012 Dup	< 1.0	< 1.0	<9.5 UJ	<0.95	<0.95	**410**	**9.4**
	4/11/2013	< 1.0	< 1.0	<9.5	<0.95	<0.95	**430**	**7.5**
	10/17/2013	< 1.0	< 1.0	<9.5 UJ	<0.95	<0.95	**380**	**6.3**
	10/17/2013 Dup	< 1.0	< 1.0	<9.5 UJ	<0.95	<0.95	**380**	**8.1**
	4/15/2014	< 1.0	< 1.0	<9.5	<0.95	<0.95	**330**	**6.1**
	4/15/2014 Dup	< 1.0	< 1.0	<9.5	<0.95	<0.95	**340**	**6.4**
	10/23/2014	< 0.060	< 0.11	NA	NA	< 0.27 H	**370 H**	NA
	10/23/2014 Dup	< 0.060	< 0.11	NA	NA	< 0.26 H	**360 H**	NA
	4/22/2015	< 0.42	< 0.44	NA	NA	**1.2 JB**	**270**	NA
	10/20/2015	NA	NA	NA	NA	NA	**430 D**	NA
	4/13/2016	NA	NA	NA	NA	NA	**340 D**	NA
	10/27/2016	NA	NA	NA	NA	NA	**290 D**	NA
	4/11/2017	NA	NA	NA	NA	NA	< 1.0	NA
	10/3/2017	NA	NA	NA	NA	NA	**390 D**	NA
	4/25/2018	NA	NA	NA	NA	NA	**140**	NA
	10/1/2018	NA	NA	NA	NA	NA	**204**	NA
	4/15/2019	NA	NA	NA	NA	NA	< 1.0	NA
	10/15/2019	NA	NA	NA	NA	NA	**178 D**	NA
	4/9/2020	NA	NA	NA	NA	NA	**1.43**	NA
	10/20/2020	NA	NA	NA	NA	NA	**280**	NA
	4/12/2021	NA	NA	NA	NA	NA	<0.478	NA
	10/6/2021	NA	NA	NA	NA	NA	<0.480	NA
	4/19/2022	NA	NA	NA	NA	NA	< 1.0 U	NA
	4/18/2023	NA	NA	NA	NA	NA	<1.0 U	NA
	4/3/2024	NA	NA	NA	NA	NA	< 1.0 U	NA
	5/1/2025	NA	NA	NA	NA	NA	< 1.0 U	NA
	4/21/2026	NA	NA	NA	NA	NA	< 0.40 U	NA

Table 3-2
WIA Upper Sand Analytical Data (10/2007 – 4/2026)

Well	Date	VOCs (µg/L) (EPA Method 8021B / 8260)		SVOCs (µg/L) (EPA Method 8270C SIM)				
		Benzene	Toluene	Benzoic Acid	Biphenyl	Bis (2-ethylhexyl) phthalate	Diphenyl Oxide	Phenol
	Cleanup Level	**1.2**	**2,000**	**24,590**	**230**	**1.8**	**410**	**2,560**
North Sump	7/25/2007	< 1 U	< 1 U	< 9.5 U	< 0.95 U	< 0.95 U	**550 D**	**38**
	10/23/2007	< 1.0	< 1.0	< 9.0 UJ	< 0.95	< 0.95	**600**	**13**
	1/17/2008	< 1 U	< 1 U	< 11 U	< 1.1 U	< 1.1 U	**330 D**	**8.4**
	4/15/2008	< 1.0	< 1.0	< 9.5 UJ	< 0.95	< 0.95	**490**	**5.2**
	7/28/2008	< 1.0	< 1.0	< 9.5	< 0.95	< 0.95	**950**	**19**
	10/24/2008	**140**	**1,500**	**27 J**	**120**	< 0.95	**1,100**	**16**
	11/3/2008	< 1.0	< 1.0	< 10 J	< 1	< 1	**140**	**38**
	1/30/2009	< 1.0	< 1.0	< 9.8	< 0.98	< 0.98	**710**	**24**
	4/22/2009	< 1.0	< 1.0	< 11 J	< 1.1	**3.7**	**570**	**15**
	10/21/2009 *	NS	NS	NS	NS	NS	NS	NS
	4/21/2010	< 1.0	< 1.0	< 9.0 J	< 0.97	< 0.97	**290**	**15**
	10/19/2010	< 1.0	< 1.0	< 9.6	< 0.96	< 0.96	**390**	**9.3**
	10/11/2011	<1.0	< 1.0	<9.7	<0.97	<0.97	**470**	**8.5**
	4/19/2012	<1.0	< 1.0	<9.5	<0.95	**<2.4**	**320**	**6.2**
	11/7/2012	<1.0	< 1.0	<9.5 UJ	<0.95	<0.95	**380**	**11**
	4/10/2013	<1.0	<1.0	<9.5	<0.95	<0.95	**310**	**5.2**
	10/16/2013	<1.0	<1.0	<9.5 UJ	<0.95	<0.95	**460**	**7.7**
	4/14/2014	< 1.0	< 1.0	<9.7	<0.97	<0.97	**340**	**8.7**
	10/21/2014	< 0.060	< 0.11	NA	NA	< 0.30	**210**	NA
	4/20/2015	< 0.42	< 0.44	NA	NA	**1.1 JB**	**370**	NA
	10/19/2015	NA	NA	NA	NA	NA	**180**	NA
	4/12/2016	NA	NA	NA	NA	NA	**140**	NA
	10/24/2016	NA	NA	NA	NA	NA	**99**	NA
	4/10/2017	NA	NA	NA	NA	NA	**130**	NA
	10/4/2017	NA	NA	NA	NA	NA	**190**	NA
	4/23/2018	NA	NA	NA	NA	NA	**190**	NA
	10/2/2018	NA	NA	NA	NA	NA	**268**	NA
	10/18/2022	<0.50 U	< 0.50 U	NA	<0.66 U	**2.0 B**	**110 D**	NA
		Ceased Sump Pumping & Sampling, Maintain Functionality - Ecy Approval 11-14-18						
South Sump	7/25/2007	**2.2**	**1.9**	< 9.6 U	<0.96 U	<0.96 U	**73 D**	**28**
	10/23/2007	< 1.0	**2.5**	< 9.0 UJ	<0.97	<0.97	**1.5 J**	< 2.0
	1/17/2008	< 1 U	< 1 U	< 9.5 U	<0.95 U	<0.95 U	< 0.95	< 1.9 U
	4/15/2008	< 1.0	**1.7**	< 9.6 UJ	<0.96	<0.96	**140**	**12**
	7/28/2008	**10**	**3**	< 9.6	<0.96	<0.96	**370**	**5.5**
	1/30/2009	< 1.0	**700**	< 9.9	<0.99	<0.99	**380**	**7.9**
	4/22/2009	< 1.0	**4.8**	< 9.6 J	<0.96	<0.96	**620**	**6.4**
	10/21/2009 *	NS	NS	NS	NS	NS	NS	NS
	4/21/2010	< 1.0	< 1.0	< 9.0 J	< 0.97	<0.97	**130 J**	**13 J**
	10/19/2010	< 1.0	< 1.0	< 9.6	<0.96	<0.96	**38**	**9.7**
	10/11/2011	<1.0	<1.0	<9.5	<0.95	<0.95	**550**	**11**
	4/19/2012	<1.0	**3.4**	<9.7	<0.97	<0.97	**110**	**2.8**
	11/7/2012	<1.0	< 1.0	<9.5 UJ	<0.95	<0.95	**130**	**2.2**
	4/10/2013	<1.0	<1.0	**11**	<0.95	<0.95	**76**	**6.7 J**
	10/16/2013	<1.0	<1.0	<9.5 UJ	<0.95	<0.95	**230**	**5.2**
	4/14/2014	<1.0	<1.0	<9.5	<0.95	<0.95	**130**	**3.3**
	10/21/2014	< 0.060	< 0.11	NA	NA	< 0.26	**200**	NA
	4/20/2015	< 0.42	< 0.44	NA	NA	**1.1 JB**	**160**	NA
	10/19/2015	NA	NA	NA	NA	NA	**320**	NA
	4/12/2016	NA	NA	NA	NA	NA	**1.6**	NA
	10/24/2016	NA	NA	NA	NA	NA	< 0.95	NA
	4/10/2017	NA	NA	NA	NA	NA	< 0.96	NA
	10/4/2017	NA	NA	NA	NA	NA	**65**	NA
	4/23/2018	NA	NA	NA	NA	NA	**71**	NA
	10/2/2018	NA	NA	NA	NA	NA	**63**	NA
	10/18/2022	< 0.50 U	< 0.50 U	NA	<0.66 U	**2.0 B**	**6.2**	NA
	10/18/2022 Dup	< 0.50 U	< 0.50 U	NA	<0.66 U	**2.2 B**	**5.1**	NA
		Ceased Sump Pumping & Sampling, Maintain Functionality - Ecy Approval 11-14-18						

Notes:
< - Constituent Non-detect
Bold indicates detection.
Dup - Field Duplicate Sample.
NA - Not analyzed, Ecy Apprvl.
J - Estimated concentration.
H - Sample prep or analyzed beyond specified holding time
Bold and shaded Detection above cleanup level.
* NS - Not sampled due to lack of water.
EPA = U.S. Environmental Protection Agency; µg/L = micrograms per liter; SVOC = semivolatile organic compound; WIA = West Impacted Area

Table 4-1
WIA Intermediate Sand Aquifer Groundwater Monitoring Program 2025 - 2026

Well Location	Sampling Frequency	Field Parameters	Analytical Parameters	Gauging Frequency
KC-6, PZ-117, PZ-118, Columbia River	—	—	—	Quarterly (Per LANXESS Temporary Request)
ISRW-1, ISRW-2B, ISRW-3, ISRW-4, ISRW-5, ISRW-6, ISRW-7, ISRW-8, ISRW-9, ISRW-10	Quarterly (Per LANXESS Temporary Request)	—	Benzene, Toluene (8260)	
KC-14, MW-239, MW-243, MW-250	Semi-Annual	Temperature, pH, ORP, conductivity, turbidity, DO	Benzene, Toluene (8260)	

Notes:
DO = dissolved oxygen; ORP = oxidation reduction potential; WIA = West Impacted Area

Table 4-2
WIA Intermediate Sand Aquifer Anlytical Data
(10/2007 - 4/2026)

Well	Date		VOCs (µg/L) (EPA Method 8021B/8260)			
			Benzene		Toluene	
	Cleanup Level		1.2		2,000	
ISRW-1	7/25/2007		290	D	35,000	D
	7/25/2007	Dup	310	D	34,000	D
	10/23/2007		380		61,000	
	10/23/2007	Dup	370		59,000	
	1/17/2008		390	D	65,000	D
	1/17/2008	Dup	390	D	69,000	D
	4/15/2008		350		55,000	
	4/15/2008	Dup	360		54,000	
	7/28/2008		550		56,000	
	7/28/2008	Dup	570		63,000	
	10/23/2008		250		27,000	
	10/23/2008	Dup	240		29,000	
	1/30/2009		360		35,000	
	1/30/2009	Dup	340		35,000	
	4/20/2009		100		26,000	J
	4/20/2009	Dup	110		45,000	J
	10/21/2009		400		58,000	
	10/21/2009	Dup	410		58,000	
	4/21/2010		430		47,000	
	4/21/2010	Dup	440		49,000	
	10/19/2010		190		23,000	
	10/11/2011		250		49,000	
	10/11/2011	Dup	260		49,000	
	4/19/2012		200		36,000	
	4/19/2012	Dup	200		35,000	
	11/6/2012		153		40,600	
	11/6/2012	Dup	170		45,700	
	4/9/2013		230		66,000	
	4/9/2013	Dup	230		66,000	
	10/16/2013		160		49,000	
	10/16/2013	Dup	150		47,000	
	4/14/2014		240		55,000	
	4/14/2014	Dup	240		55,000	
	10/21/2014		< 600		68,000	
	4/20/2015		170		46,000	
	10/19/2015	-1	110	D	33,000	D
	4/11/2016	-1	200	D	61,000	D
	10/24/2016		120	D	48,000	D
	4/10/2017		240	D	63,000	D
	10/4/2017		160	D	48,000	D
	4/23/2018	all on	200	D	72,000	D
	4/26/2018	5-10off	270	D	110,000	D
	5/16/2018	HiRVR	280	D	110,000	D
	8/6/2018	Smr1/4	107		35,800	D
	10/2/2018		99	D	43,100	D
	1/16/2019		87		51,800	D
	4/12/2019		166		92,500	
	7/30/2019		45.0		12,300	D
	10/15/2019		30.3		11,100	D
	1/7/2020		91.2		45,800	D
	4/7/2020 VOA#1(4/15)		37.3		4,140	D
	4/7/2020 VOA#3(4/24)		NA		21,100	H
	7/28/2020		89.8		19,700	D
	10/19/2020		39.0		16,100	D
	10/19/2020	Dup ISRW	36.0		11,400	D
	1/15/2021		68.6		51,400	D
	1/15/2021	Dup ISRW	86.6		50,600	D
	4/8/2021		23.8	D	13,600	D
	7/16/2021(ALS 8260)		34		26,000	
	7/16/2021(Spclty 8021)		34.2	D	21,900	D
	10/1/2021(Spclty 8260)		< 300	DQ	1,720	D
	10/1/2021 Dup Spclty		6.8	D	1,870	D
	1/18/2022	(ALS)	< 50	U,D	30,000	D
	1/18/2022 Dup ALS (11)		< 50	U,D	32,000	D
	4/14/2022		< 25	U,D	11,000	D
	7/6/2022		< 50	U,D	23,000	D
	10/18/2022		< 5	U,D	1,900	D
	1/11/2023		< 25	U,D	8,500	D
	4/18/2023		< 50	U,D	28,000	D
	7/6/2023		< 25	U,D	18,000	D
	4/17/2025		< 25	U,D	1,500	D
	1/11/2024		< 25	U,D	14,000	D
	4/3/2024		< 13	U,D	14,000	D
	7/11/2024		< 13	U,D	8,300	D
	10/24/2024		< 25	U,D	5,700	D
	1/31/2025		< 25	U,D	12,000	D
	4/17/2025		< 25	U,D	16,000	D
	4/17/2025 (DUP ISRW11)		< 50	U,D	23,000	D
	7/10/2025		5.2	J,D	10,000	D
	10/23/2025		4.2	J,D	7,500	D
	1/27/2026		< 25	U,D	19,000	D
	4/20/2026		< 13	U,D	18,000	D

Table 4-2
WIA Intermediate Sand Aquifer Anlytical Data
(10/2007 - 4/2026)

Well	Date		VOCs (µg/L) (EPA Method 8021B/8260)			
			Benzene		Toluene	
	Cleanup Level		1.2		2,000	
ISRW-2B	7/25/2007		14	D	8,500	D
	10/23/2007		7.6		3,000	
	1/17/2008		45	D	22,000	D
	4/15/2008		60		20,000	
	7/28/2008		150		36,000	
	10/23/2008		130		31,000	
	1/30/2009		77		33,000	
	4/20/2009		230		150,000	
	10/21/2009		330		260,000	
	4/21/2010		470		720,000	
	10/11/2011		95		83,000	
	4/19/2012		300		23,000	
	11/6/2012		71		53,900	
	4/9/2013		130		61,000	
	10/16/2013		97		68,000	
	4/14/2014		94		72,000	
	10/21/2014		< 600		75,000	
	4/20/2015		94	J	72,000	
	10/19/2015	-1	47	D	18,000	D
	4/11/2016	-1	160	D	110,000	D
	10/24/2016		< 20		11,000	D
	4/10/2017		110	D	92,000	D
	10/4/2017		130	D	74,000	D
	4/23/2018	all on	54	D	9,800	D
	4/26/2018	5-10off	130	D	89,000	D
	8/6/2018	Smr1/4	58		23,600	D
	10/2/2018		59	D	43,200	D
	1/16/2019		96		77,200	D
	4/12/2019		75		52,900	
	7/30/2019		42.6		16,600	D
	10/15/2019		62.8		18,500	D
	1/7/2020		56.1		32,500	D
	4/7/2020 VOA#1(4/15)		100		5,760	D
	4/7/2020 VOA#3(4/24)		NA		50,700	H
	7/28/2020		53.3		18,400	D
	10/19/2020		33.1		8,090	D
	1/15/2021		45.9		54,200	D
	4/8/2021		57.6		20,200	D
	7/16/2021		68.4	D	32,500	D
	10/1/2021	Spclty	96.0	D	17,000	D
	1/18/2022	ALS	69	D	37,000	D
	4/14/2022	ALS	27	D	8,600	D
	7/6/2022		65	D	27,000	D
	10/18/2022		27	D	5,700	D
	1/11/2023		< 25	U,D	9,900	D
	4/18/2023		62	D	43,000	D
	7/6/2023		20	D	9,800	D
	10/12/2023		9	D	3,600	D
	1/11/2024		62	D	40,000	D
	4/3/2024		23	D	9,000	D
	7/11/2024		24	D	5,900	D
	10/24/2024		< 13	U,D	9,000	D
	1/31/2025		54	D	39,000	D
	4/17/2025		< 50	U,D	39,000	D
	7/10/2025		15	D	3,100	D
	10/23/2025		13	D	5,400	D
	1/27/2026		52	D	25,000	D
	4/20/2026		< 250	D	36,000	D
ISRW-3	7/25/2007		150	D	110,000	D
	10/23/2007		110		82,000	
	1/17/2008		210	D	130,000	D
	4/15/2008		150		100,000	
	7/28/2008		150		110,000	
	10/23/2008		< 500		140,000	
	1/30/2009		98		97,000	
	4/20/2009		13		14,000	
	10/21/2009		9.4		25,000	J
	4/21/2010		17,000		980,000	
	10/19/2010		13		34,000	
	10/11/2011		20		47,000	
	4/19/2012		70		65,000	
	11/6/2012		25		45,000	
	4/9/2013		50		58,000	
	10/16/2013		16		22,000	
	4/14/2014		23		33,000	
	10/21/2014		< 600		47,000	
	4/20/2015		56	J	51,000	
	10/19/2015	-1	55	D	71,000	D
	4/11/2016	-1	120	D	150,000	D
	10/24/2016		290	D	200,000	D
	4/10/2017		< 50	U	74,000	D
	10/4/2017		140	D	100,000	D
	4/23/2018	all on	< 50	U	19,000	D

Table 4-2
WIA Intermediate Sand Aquifer Anlytical Data
(10/2007 - 4/2026)

Well	Date		VOCs (µg/L) (EPA Method 8021B/8260)			
			Benzene		Toluene	
	Cleanup Level		1.2		2,000	
ISRW-3 Cont'd	4/26/2018	5-10off	< 100	U	**67,000**	**D**
	8/6/2018	Smr1/4	**54**		**23,700**	**D**
	10/2/2018		**54**	**D**	**30,800**	**D**
	1/16/2019		**129**		**93,000**	**D**
	4/12/2019		**337**		**172,000**	
	7/30/2019		**97.4**		**63,400**	**D**
	10/15/2019		**80.4**		**51,900**	**D**
	1/7/2020		**204**	**D**	**142,000**	**D**
	4/7/2020 VOA#1(4/15)		**117**		**17,200**	**D**
	4/7/2020 VOA#3(4/24)		**NA**		**81,400**	**H**
	7/28/2020		**157**		**44,300**	**D**
	10/19/2020		**92.4**		**56,400**	**D**
	1/15/2021		**206**	**D**	**204,000**	**D**
	4/8/2021		**92.5**	**D**	**61,400**	**D**
	4/8/2021	Dup ISRW	**106**	**D**	**72,500**	**D**
	7/16/2021		**243**	**D**	**133,000**	**D**
	10/1/2021		**58.0**	**D**	**17,800**	**D**
	1/18/2022	(ALS)	**150**	**D**	**100,000**	**D**
	4/14/2022	ALS	**120**	**D**	**73,000**	**D**
	7/6/2022		<50	U,D	**45,000**	**D**
	10/18/2022		**42**	**D**	**13,000**	**D**
	1/11/2023		**74**	**D**	**22,000**	**D**
	4/18/2023		< 130	U,D	**90,000**	**D**
	7/6/2023		**110**	**D**	**77,000**	**D**
	10/12/2023		**59**	**D**	**25,000**	**D**
	1/11/2024		< 100	U,D	**48,000**	**D**
	4/3/2024		**53**	**D**	**34,000**	**D**
	7/11/2024		< 50	U,D	**28,000**	**D**
	10/24/2024		< 50	U,D	**22,000**	**D**
	1/31/2025		< 100	U,D	**47,000**	**D**
	4/17/2025		< 100	U,D	**62,000**	**D**
	7/10/2025		**35**	**J,D**	**19,000**	**D**
	10/23/2025		**34**	**J,D**	**22,000**	**D**
	1/27/2026		< 130	U,D	**76,000**	**D**
	4/20/2026		< 250	U,D	**61,000**	**D**
ISRW-4	7/25/2007		**35**	**D**	**20,000**	**D**
	10/23/2007		**350**		**65,000**	
	1/17/2008		**130**	**D**	**34,000**	**D**
	4/15/2008		**430**		**77,000**	
	7/28/2008		**48**		**24,000**	
	10/23/2008		**130**		**55,000**	
	1/30/2009		**120**		**59,000**	
	4/20/2009		**28**		**10,000**	
	10/21/2009		**3.1**		**4,700**	
	4/21/2010		**3.7**		**7,300**	
	10/19/2010		**7.8**		**3,200**	
	10/11/2011		**20**		**14,000**	
	4/19/2012		< 1.0		**650**	
	11/6/2012		< 0.5		**29**	
	4/9/2013		**0.57**		**200**	
	10/16/2013		< 1.0		**59**	
	4/14/2014		< 1.0		**35**	
	10/21/2014		**< 600**		**32,000**	
	4/20/2015		**15**		**6,400**	
	10/19/2015	-1	**8.8**	**D**	**29,000**	**D**
	4/11/2016	-1	**2.1**		**1,000**	**D**
	10/24/2016		**14**		**3,100**	**D**
	4/10/2017		< 0.50	U	< 1.0	U
	10/4/2017		< 50	U	**9,000**	**D**
	4/23/2018	all on	< 25	U	**18,000**	**D**
	4/26/2018	5-10off	< 50	U	**15,000**	**D**
	8/6/2018	Smr1/4	**6**		**526**	**D**
	10/2/2018		**34**	**D**	**6,280**	**D**
	1/16/2019		**167**	**D**	**34,600**	**D**
	4/12/2019		**140**		**27,800**	
	7/30/2019		**62.2**	**D**	**1,440**	D
	10/15/2019		**41.2**		**261**	
	1/7/2020		**94.5**	**D**	**10,000**	**D**
	4/7/2020 VOA#1(4/15)		**30.6**		**2,200**	**D**
	4/7/2020 VOA#3(4/24)		**NA**		**5,640**	**H**
	7/28/2020		**6.03**		**1,250**	**D**
	10/19/2020		**96.9**		**25,100**	**D**
	1/15/2021		**0.918**		**40**	
	4/8/2021		**6.76**	**D**	**296**	**D**
	7/16/2021		**25.8**	**D**	**6,080**	**D**
	10/1/2021		**7.30**		**78.8**	
	1/18/2022	(ALS)	**10**	**D**	**3,800**	**D**
	4/14/2022	ALS	**11**	**D**	**690**	**D**
	7/6/2022		**0.56**		**8.9**	
	10/18/2022		**40**	**D**	**1,300**	**D**
	1/11/2023		**27**	**D**	**11,000**	**D**
	4/18/2023		**28**	**D**	**5,400**	**D**
	7/6/2023		**13**	**D**	**1,800**	**D**

Table 4-2
WIA Intermediate Sand Aquifer Anlytical Data
(10/2007 - 4/2026)

Well	Date	VOCs (µg/L) (EPA Method 8021B/8260)			
		Benzene		Toluene	
	Cleanup Level	1.2		2,000	
ISRW-4 Cont'd	10/12/2023	4		19	
	1/11/2024	19	D	3,100	D
	4/3/2024	1.7		63	
	7/11/2024	2.4		4.9	
	10/24/2024	< 0.50	U	14	
	1/31/2025	4.2	D	810	D
	4/17/2025	5.5	D	2000	D
	7/10/2025	0.38	J	2.2	
	10/23/2025	3.8		27	
	1/27/2026	2.4	D	970	D
	4/20/2026	13	D	2800	D
ISRW-5	7/25/2007	110	D	37,000	D
	10/23/2007	110		45,000	
	1/17/2008	170	D	62,000	D
	4/15/2008	140		68,000	
	7/28/2008	360		110,000	
	10/23/2008	130		47,000	
	1/30/2009	100		33,000	
	4/22/2009	79		52,000	
	10/21/2009	40		20,000	
	4/21/2010	7.5		2,400	
	10/19/2010	26		7,900	
	10/11/2011	36		15,000	
	4/19/2012	30		12,000	
	11/6/2012	402		48,500	
	4/9/2013	94		46,000	
	10/16/2013	160		92,000	
	4/14/2014	37		16,000	
	10/21/2014	< 600		19,000	
	4/20/2015	76	J	25,000	
	10/19/2015 -1	84	D	17,000	D
	4/11/2016 -1	< 100		31,000	D
	10/24/2016	120	D	130,000	D
	4/10/2017	50	D	46,000	D
	10/4/2017	80	D	53,000	D
	4/23/2018	190	D	110,000	D
	8/6/2018 Smr1/4	88		59,700	D
	10/2/2018	72	D	106,000	D
	1/16/2019	79		60,300	D
	4/12/2019	106		90,200	
	7/30/2019	72.5		56,000	D
	10/15/2019	20.9		15,900	D
	1/7/2020	58.6		71,900	D
	4/7/2020 VOA#1(4/15)	42.2		11,000	D
	4/7/2020 VOA#3(4/24)	NA		93,800	H
	5/12/20 VOA#1	66.9		74,700	D
	5/12/20 VOA #3	68.4		74,300	D
	7/28/2020	110		45,400	D
	10/19/2020	47.2		28,900	D
	1/15/2021	256	D	158,000	D
	4/8/2021	25.4	D	46,400	D
	7/16/21 ALS 8260	31		38,000	
	7/16/21 Spclty 8021	27.6	D	36,300	D
	10/1/2021 Spclty 8260	<30.0	D	21,300	D
	1/18/2022 ALS	<100	U,D	78,000	D
	4/14/2022 ALS	<100	U,D	34,000	D
	7/6/2022	110	D	92,000	D
	10/18/2022	10	D	900	D
	1/11/2023	< 50	U,D	62,000	D
	4/18/2023	< 100	U,D	44,000	D
	7/6/2023	51	D	56,000	D
	10/12/2023	14	D	14,000	D
	1/11/2024	< 25	U,D	24,000	D
	4/3/2024	< 50	U,D	34,000	D
	7/11/2024	< 50	U,D	24,000	D
	10/24/2024	22	D	11,000	D
	1/31/2025	34	D	14,000	D
	4/17/2025	< 50	U,D	24,000	D
	7/10/2025	18	D	11,000	D
	10/23/2025	6.5	J,D	560	D
	1/27/2026	< 50	U,D	17,000	D
	4/20/2026	< 100	U,D	28,000	D
ISRW-6	7/25/2007	150	D	59,000	D
	10/23/2007	120		47,000	
	1/17/2008	150	D	58,000	D
	4/15/2008	190		69,000	
	7/28/2008	140		53,000	
	10/23/2008	< 200		62,000	
	1/30/2009	140		61,000	
	4/20/2009	15		16,000	
	10/21/2009	1.4		270	
	4/21/2010	56		22,000	
	10/19/2010	49		42,000	

Table 4-2
WIA Intermediate Sand Aquifer Anlytical Data
(10/2007 - 4/2026)

Well	Date		VOCs (µg/L) (EPA Method 8021B/8260)			
			Benzene		Toluene	
	Cleanup Level		**1.2**		**2,000**	
ISRW-6 Cont'd	10/11/2011		**4.3**		**1,000**	
	4/19/2012		**18**		**14,000**	
	11/7/2012		**2.0**		**1,420**	
	4/9/2013		**8.6**		**6,900**	
	10/16/2013		**1.1**		**1,200**	
	4/14/2014		**6.1**		**8,100**	
	10/21/2014		**1.3**	**J**	**890**	
	4/20/2015		**0.73**	**J**	**790**	
	10/19/2015	-1	**1.7**		**270**	D
	4/11/2016	-1	**3.7**	**D**	**2,300**	**D**
	10/24/2016		**140**	**D**	**57,000**	**D**
	4/12/2017		< 0.50	U	< 1.0	U
	10/4/2017		< 50	U	**10,000**	**D**
	4/23/2018		**1.8**		**1,400**	**D**
	5/16/2018	HiRvr	**1.1**		**1,400**	**D**
	8/6/2018	Smr1/4	**0.6**		**377**	**D**
	10/2/2018		**2.7**		**2,220**	**D**
	1/16/2019		**34**	**D**	**10,100**	**D**
	4/12/2019		**32.6**		**5,940**	
	7/30/2019		**45.4**		**2,470**	**D**
	10/15/2019		**33.2**		**1,860**	**D**
	1/7/2020		**7.90**	**D**	**341**	**D**
	4/7/2020 VOA#1(4/15)		**1.35**		**120**	**D**
	4/7/2020 VOA#3(4/24)		**NA**		**630**	**H**
	7/28/2020		**0.750**		**1,340**	**D**
	10/19/2020		**0.710**		**365**	**D**
	1/15/2021		< 3.00	D	**3,120**	**D**
	4/8/2021		**3.94**	**D**	**2,990**	**D**
	7/16/2021		**57.5**	**D**	**16,900**	**D**
	10/1/2021		**54.0**	**D**	**7,520**	**D**
	1/18/2022		**46**	**D**	**18,000**	**D**
	4/14/2022		**140**	**D**	**31,000**	**D**
	7/6/2022		**51**	**D**	**19,000**	**D**
	10/18/2022		**35**	**D**	**1,400**	**D**
	1/11/2023		**14**	**D**	**1,600**	**D**
	4/18/2023		**30**	**D**	**4,700**	**D**
	7/6/2023		**11**	**D**	**920**	**D**
	10/12/2023		**12**		**480**	**D**
	1/11/2024		**17**	**D**	**1,900**	**D**
	4/3/2024		**51**	**D**	**6,800**	**D**
	7/11/2024		**33**	**D**	**1,900**	**D**
	10/24/2024		**3.7**		**160**	**D**
	1/31/2025		**12**	**D**	**1400**	**D**
	4/17/2025		**11**	**D**	**910**	**D**
	7/10/2025		**8.0**		**250**	**D**
	10/23/2025		**2.6**		**11**	
	1/27/2026		**24**	**D**	**5,600**	**D**
	4/20/2026		< 50	U,D	**11,000**	**D**
ISRW-7	7/25/2007		**1,100**		**24,000**	**D**
	10/23/2007		**350**		**9,400**	
	1/17/2008		**540**	**D**	**19,000**	**D**
	4/15/2008		**200**		**11,000**	
	7/28/2008		**520**		**32,000**	
	10/23/2008		**280**		**14,000**	
	1/30/2009		**120**		**9,100**	
	4/20/2009		**83**		**5,900**	
	10/21/2009		**3,400**		**45,000**	
	4/21/2010		**2,700**		**30,000**	
	10/19/2010		**17,000**		**18,000**	
	10/11/2011		**4,000**		**27,000**	
	4/19/2012		**1,100**		**18,000**	
	11/6/2012		**1,220**		**18,700**	
	4/9/2013		**180**		**9,900**	
	10/16/2013		**380**		**6,600**	
	4/14/2014		**900**		**14,000**	
	10/21/2014		**530**		**1,800**	
	4/20/2015		**12**		**2,100**	
	10/19/2015	-1	**170**	**D**	**1,700**	**D**
	4/11/2016	-1	**54**	**D**	**4,300**	**D**
	10/24/2016		**92**	**D**	**1,600**	**D**
	4/10/2017		**190**	**D**	**10,000**	**D**
	10/4/2017		**180**	**D**	**2,800**	**D**
	4/23/2018		**72**	**D**	**330**	**D**
	5/16/2018	HiRvr	**270**	**D**	**1,700**	**D**
	8/6/2018	Smr1/4	**8**		**46**	
	10/2/2018		**1.1**		< 1.0	
	1/16/2019		**0.6**		< 1.00	
	4/12/2019		< 0.300		< 1.00	
	7/30/2019		**0.500**		**3.24**	
	10/15/2019		< 0.300		**19.7**	
	1/7/2020		**7.27**		**730**	**D**
	4/7/2020 VOA#1(4/15)		**4.51**		**124**	**D**

Table 4-2
WIA Intermediate Sand Aquifer Anlytical Data
(10/2007 - 4/2026)

Well	Date	VOCs (µg/L) (EPA Method 8021B/8260)					
		Benzene			Toluene		
	Cleanup Level	**1.2**			**2,000**		
ISRW-7 Cont'd	4/7/2020 VOA#3(4/24)	**NA**			**372**		**H**
	7/28/2020	**0.32**			**123**		**D**
	10/19/2020	< 0.300			**28.7**		
	1/15/2021	< 0.300			**0.515**		
	4/8/2021	< 0.300			< 0.500		
	7/16/2021	< 0.300			**1.31**		
	10/1/2021	< 0.300			< 1.00		
	1/18/2022 ALS	< 0.50			**0.66**		
	4/14/2022 ALS	< 0.50			< 0.50		
	7/6/2022	< 0.50			**0.90**		
	10/18/2022	< 0.50	U		< 0.50	U	
	1/11/2023	< 0.50	U		< 0.50	U	
	4/18/2023	< 0.50	U		< 0.50	U	
	7/6/2023	< 0.50	U		< 0.50	U	
	10/12/2023	< 0.50	U		< 0.50	U	
	1/11/2024	< 0.50	U		< 0.50	U	
	4/3/2024	< 0.50	U		< 0.50	U	
	7/11/2024	< 0.50	U		< 0.50	U	
	10/24/2024	< 0.50	U		< 0.50	U	
	1/31/2025	< 0.50	U		< 0.50	U	
	4/17/2025	< 0.50	U		< 0.50	U	
	7/10/2025	< 0.50	U		**0.16**		**J**
	10/23/2025	< 0.50	U		**0.13**		**J**
	1/27/2026	< 0.50	U		< 0.50	U	
	4/20/2026	< 0.50	U		< 0.50	U	
ISRW-8	4/20/2009	**90**			**66,000**		
	10/21/2009	**45**			**50,000**		
	4/21/2010	**71**			**57,000**		
	10/19/2010	**31**			**72,000**		
	10/11/2011	**52**			**54,000**		
	4/19/2012	**53**			**40,000**		
	11/6/2012	**69**			**51,200**		
	4/9/2013	**58**			**33,000**		
	10/16/2013	**64**			**39,000**		
	4/14/2014	**61**			**40,000**		
	10/21/2014	**< 600**			**36,000**		
	4/20/2015	**84**		**J**	**51,000**		
	10/19/2015 -1	**58**		**D**	**39,000**		**D**
	4/11/2016 -1	**< 100**			**79,000**		**D**
	10/24/2016	**140**		**D**	**74,000**		**D**
	4/10/2017	**17**		**D**	**20,000**		**D**
	10/4/2017	**140**		**D**	**84,000**		**D**
	4/23/2018	< 100	U		**44,000**		**D**
	4/26/2018 5-10off	< 100	U		**69,000**		**D**
	8/6/2018 Smr1/4	**127**			**49,500**		**D**
	10/2/2018	**170**			**61,800**		**D**
	1/16/2019	**148**			**67,400**		**D**
	4/12/2019	**164**			**107,000**		
	7/30/2019	**102**			**49,100**		**D**
	10/15/2019	**130**			**34,800**		
	1/7/2020	**107**			**69,700**		**D**
	4/7/2020 VOA#1(4/15)	**115**			**7,240**		**D**
	4/7/2020 VOA#3(4/24)	**NA**			**62,700**		**H**
	7/28/2020	**111**			**33,200**		**D**
	10/19/2020	**115**			**31,700**		**D**
	1/15/2021	**81.6**			**43,400**		**D**
	4/8/2021	**64.0**		**D**	**45,800**		**D**
	7/16/2021 ALS 8260	**70**			**52,000**		
	7/16/21 Spclty 8021	**71.8**		**D**	**44,000**		**D**
	10/1/2021	**60.0**		**D**	**17,000**		**D**
	1/18/2022 ALS	**77**		**D**	**45,000**		**D**
	4/14/2022 ALS	**56**		**D**	**39,000**		**D**
	7/6/2022	**68**		**D**	**42,000**		**D**
	10/18/2022	**25**		**D**	**850**		**D**
	1/11/2023	**90**		**D**	**68,000**		**D**
	4/18/2023	**76**		**D**	**57,000**		**D**
	7/6/2023	**43**		**D**	**24,000**		**D**
	10/12/2023	**< 25**		**U,D**	**8,100**		**D**
	1/11/2024	**71**		**D**	**37,000**		**D**
	4/3/2024	**30**		**D**	**15,000**		**D**
	7/11/2024	**22**		**D**	**8,900**		**D**
	10/24/2024	**< 50**		**U,D**	**15,000**		**D**
	1/31/2025	**< 50**		**U,D**	**23,000**		**D**
	4/17/2025	**< 50**		**U,D**	**19,000**		**D**
	7/10/2025	**38**		**D**	**15,000**		**D**
	10/23/2025	**30**		**D**	**14,000**		**D**
	1/27/2026	**60**		**D**	**21,000**		**D**
	4/20/2026	**62**		**D**	**22,000**		**D**

Table 4-2
WIA Intermediate Sand Aquifer Anlytical Data
(10/2007 - 4/2026)

Well	Date		VOCs (µg/L) (EPA Method 8021B/8260)					
			Benzene			Toluene		
	Cleanup Level		1.2			2,000		
ISRW-9	4/20/2009		**120**			**62,000**		
	10/21/2009		**71**			**36,000**		
	4/21/2010		**81**			**42,000**		
	10/19/2010		**71**			**55,000**		
	10/11/2011		**4.1**			**920**		
	4/19/2012		**22**			**16,000**		
	11/6/2012		**40**			**20,100**		
	4/9/2013		**47**			**35,000**		
	10/16/2013		**83**			**73,000**		
	4/14/2014		**39**			**35,000**		
	10/21/2014		**<**	**600**		**30,000**		
	4/20/2015		**79**		**J**	**64,000**		
	10/19/2015	-1	**55**		**D**	**44,000**	**D**	
	4/11/2016	-1	**<**	**100**		**53,000**	**D**	
	10/24/2016		**77**		**D**	**95,000**	**D**	
	4/10/2017		**19**		**D**	**19,000**	**D**	
	10/4/2017		<	50	U	**22,000**	**D**	
	4/23/2018		<	100	U	**83,000**	**D**	
	5/16/2018	HiRvr	<	200	U	**59,000**	**D**	
	8/6/2018	Smr1/4	**27**			**11,500**	**D**	
	10/2/2018		**36**			**12,600**	**D**	
	1/16/2019		**28**			**25,300**	**D**	
	4/12/2019		**81.3**			**77,900**		
	7/30/2019		**20.3**			**8,570**	**D**	
	10/15/2019		**58.5**			**45,800**	**D**	
	1/7/2020		**64.4**			**71,700**	**D**	
	4/7/2020 VOA#1(4/15)		**45.7**			**3,440**	**D**	
	4/7/2020 VOA#3(4/24)		**NA**			**33,300**	**H**	
	7/28/2020		**31.2**			**18,600**	**D**	
	10/19/2020		**26.3**			**14,200**	**D**	
	1/15/2021		**42.0**			**48,800**	**D**	
	4/8/2021		**60.8**		**D**	**40,900**	**D**	
	7/16/2021		**9.98**		**D**	**7,430**	**D**	
	10/1/2021	Spclty	<	15.0	D	**4,360**	**D**	
	1/18/2022	ALS	<	25	U,D	**17,000**	**D**	
	4/14/2022	ALS	**36**		**D**	**8,700**	**D**	
	7/6/2022		**26**		**D**	**23,000**	**D**	
	10/18/2022		**18**		**D**	**1000**	**D**	
	1/11/2023		<	25	U,D	**25,000**	**D**	
	4/18/2023		**33**		**D**	**25,000**	**D**	
	7/6/2023		**29**		**D**	**12,000**	**D**	
	10/12/2023		**22**		**D**	**5,000**	**D**	
	1/11/2024		<	25	U,D	**16,000**	**D**	
	4/3/2024		**63**		**D**	**36,000**	**D**	
	7/11/2024		**11**		**D**	**4,300**	**D**	
	10/24/2024		<	50	U,D	**23,000**	**D**	
	1/31/2025		<	50	U,D	**43,000**	**D**	
	4/17/2025		<	100	U,D	**44,000**	**D**	
	7/10/2025		**35**		**D**	**15,000**	**D**	
	10/23/2025		**30**		**D**	**22,000**	**D**	
	1/27/2026		<	25	U	**16,000**	**D**	
	4/20/2026		<	130	U,D	**26,000**	**D**	
ISRW-10	4/20/2009		**180**			**38,000**		
	10/21/2009		**3.8**			**1,400**		
	4/21/2010		**2**			**380**		
	10/19/2010		<	1.0		**63**		
	10/11/2011		**16**			**1,100**		
	4/19/2012		**85**			**15,000**		
	11/6/2012		<	1.0		**2.5**		
	4/9/2013		**34**			**3,300**		
	10/16/2013		**96**			**8,300**		
	4/14/2014		<	1.0		**7.7**		
	10/21/2014		**3.9**			**140**		
	4/20/2015		<	0.42		**13**		
	10/19/2015	-1	**52**		**D**	**3,800**	**D**	
	4/11/2016	-1	**49**		**D**	**4,700**	**D**	
	10/24/2016		**190**		**D**	**29,000**	**D**	
	4/10/2017		**29**			**4,300**	**D**	
	10/4/2017		**110**		**D**	**43,000**	**D**	
	4/23/2018		**220**		**D**	**30,000**	**D**	
	8/6/2018		**36**			**2,900**	**D**	
	10/2/2018		**151**			**18,800**	**D**	
	1/16/2019		**204**		**D**	**78,300**	**D**	
	4/12/2019		**385**			**113,000**		
	7/30/2019		**160**		**D**	**43,900**	**D**	
	10/15/2019		**82.9**			**22,600**	**D**	
	1/7/2020		**243**		**D**	**80,200**	**D**	
	4/7/2020 VOA#1(4/15)		**72.5**			**4,300**	**D**	
	4/7/2020 VOA#3(4/24)		**NA**			**29,300**	**H**	
	7/28/2020		**319**			**34,900**	**D**	
	10/19/2020		**135**		**D**	**328,000**	**D**	
	1/15/2021		**145**			**50,200**	**D**	
	4/8/2021		**53.8**		**D**	**20,600**	**D**	

Table 4-2
WIA Intermediate Sand Aquifer Anlytical Data
(10/2007 - 4/2026)

Well	Date	VOCs (µg/L) (EPA Method 8021B/8260)	
		Benzene	Toluene
	Cleanup Level	1.2	2,000
ISRW-10 Cont'd	7/16/2021 ALS 8260	**150**	**74,000**
	7/16/2021 Spclty 8021	**148 D**	**61,600 D**
	10/1/2021	**127 D**	**35,900 D**
	1/18/2022 ALS	**110 D**	**47,000 D**
	4/14/2022 ALS	**63 D**	**45,000 D**
	7/6/2022	**81 D**	**33,000 D**
	10/18/2022	**35 D**	**860 D**
	1/11/2023	**59 D**	**35,000 D**
	4/18/2023	**45 D**	**32,000 D**
	7/6/2023	**55 D**	**30,000 D**
	10/12/2023	**26 D**	**17,000 D**
	1/11/2024	**22 D**	**12,000 D**
	4/3/2024	**36 D**	**24,000 D**
	7/11/2024	**< 50 D**	**29,000 D**
	10/24/2024	**< 13 U,D**	**3,300 D**
	1/31/2025	**< 25 U,D**	**8,200 D**
	4/17/2025	**< 100 U,D**	**29,000 D**
	7/10/2025	**33 J,D**	**23,000 D**
	10/23/2025	**50 J,D**	**33,000 D**
	1/27/2026	**120 D**	**66,000 D**
	4/20/2026	**110 D**	**85,000 D**
KC-14	10/24/2007	**2.9**	**940**
	4/16/2008	< 1.0	**180**
	10/27/2008	**3.1**	**1,100**
	4/22/2009	< 1.0	**99**
	10/20/2009	**1.3**	**1,300**
	4/23/2010	0.92	**690**
	10/19/2010	**14**	**270,000**
	10/10/2011	< 1.0	**420**
	4/18/2012	**1.4 J**	**140** J
	11/7/2012	< 1.0	< 1.0
	4/10/2013	< 0.5	**200**
	10/17/2013	**4.2**	**88**
	4/16/2014	< 1.0	**30**
	10/22/2014	< 0.060	< 0.11
	4/22/2015	< 0.42	< 0.44
	4/22/2015 Dup	< 0.42	< 0.44
	10/20/2015	< 1.0	**66** D
	4/12/2016	< 1.0	**20**
	10/24/2016	< 1.0	**1.9**
	4/12/2017	**2.5**	**160** D
	10/4/2017	< 0.50	< 1.0
	4/25/2018	< 1.0	**20**
	10/1/2018	NS	NS
	4/15/2019	**0.420**	**7.15**
	10/15/2019	< 0.300	**1.14**
	4/9/2020	< 0.300	**9.52**
	10/21/2020	< 0.300	< 1.00
	4/13/2021	< 0.300	< 1.00
	10/6/2021	< 0.300	< 1.00
	4/19/2022	**2.8**	**15**
	10/18/2022	< 0.50 U	< 0.50 U
	4/18/2023	< 0.50 U	< 0.50 U
	10/12/2023	< 0.50 U	< 0.50 U
	4/3/2024	< 0.50 U	< 0.50 U
	10/17/2024	< 0.50 U	< 0.50 U
	5/1/2025	< 0.50 U	< 0.50 U
	10/21/2025	< 0.50 U	< 0.50 U
	4/20/2026	< 0.50 U	< 0.50 U
MW-239	10/24/2007	**660**	**120,000**
	4/16/2008	**1200**	**190,000**
	10/27/2008	**580**	**100,000**
	4/22/2009	< 1.0	< 1.0
	10/20/2009	< 1.0	**1.4**
	4/23/2010	**9.3**	**3,500**
	10/19/2010	**7.7**	**260**
	10/11/2011	**310**	**55,000**
	4/18/2012	< 1.0	< 1.0
	11/7/2012	**413**	**35,300**
	4/10/2013	**71**	**390**
	10/17/2013	**180**	**15,000**
	4/16/2014	< 1.0	< 1.0
	10/23/2014	**5.2**	**0.62**
	4/23/2015	**80 J**	**8,400**
	10/20/2015	**280 D**	**8,200 D**
	10/20/2015 Dup	**290 D**	**8,500 D**
	4/12/2016	**90 D**	**810** D
	4/12/2016 Dup	**87 D**	**1,000** D
	10/24/2016	**340 D**	**43,000 D**
	10/24/2016 Dup	**360 D**	**43,000 D**
	4/11/2017	< 0.50 U	< 1.0 U
	4/11/2017 Dup MW	< 0.50 U	< 1.0 U
	10/3/2017	**580 D**	**140,000 D**

Table 4-2
WIA Intermediate Sand Aquifer Anlytical Data
(10/2007 - 4/2026)

Well	Date		VOCs (µg/L) (EPA Method 8021B/8260)			
			Benzene		Toluene	
	Cleanup Level		1.2		2,000	
MW-239 Cont'd	4/25/2018		**130**	**D**	**3,100**	**D**
	4/25/2018	Dup MW9	**140**	**D**	**3,200**	**D**
	10/3/2018		**320**	**D**	**32,700**	**D**
	10/3/2018	Dup 97	**370**	**D**	**40,200**	**D**
	4/15/2019		**454**	**D**	**39,700**	**D**
	4/15/2019	Dup 97	**450**	**D**	**39,100**	**D**
	10/15/2019		**178**		**15,700**	**D**
	10/15/2019	Dup 97	**175**		**15,400**	**D**
	4/9/2020		**160**		**11,200**	**D**
	4/9/2020	Dup 97	**< 0.300**		**24.4**	
	10/21/2020		**341**	**D**	**17,300**	**D**
	10/21/2020	Dup 97	**407**	**D**	**17,600**	**D**
	4/13/2021		**426**	**D**	**32,300**	**D**
	10/6/2021		**< 60.0**	**DQ**	**1,470**	**D**
	10/6/2021	Dup97	**54.0**	**D**	**1,900**	**D**
	4/19/2022		**91**	**D**	**2,200**	**D**
	4/19/2022	Dup97	**87**	**D**	**2,100**	**D**
	10/18/2022		**22**	**D**	**2,000**	**D**
	10/18/2022	Dup97	**23**	**D**	**1,900**	**D**
	4/18/2023		**5.7**		**82**	**D**
	4/18/2023	Dup97	**5.3**		**59**	
	10/12/2023		**9.3**		**9**	
	10/12/2023	Dup97	**5.7**		**5**	
	4/3/2024		**10**		**330**	**D**
	4/3/2024	Dup97	**8.0**		**230**	**D**
	10/17/2024		**4.5**		**30**	
	10/17/2024	Dup97	**4.5**		**32**	
	5/1/2025		< 0.5	U	**6**	
	5/1/2025	Dup97	< 0.5	U	**2**	
	10/21/2025		**0.24**	**J**	**1.9**	
	10/21/2025	Dup97	**0.25**	**J**	**2.0**	
	4/20/2026		**0.67**		**12**	
	4/20/2026	Dup97	**0.53**		**7.3**	
MW-243	10/24/2007		< 1.0		< 1.0	
	4/17/2008		< 1.0		< 1.0	
	10/27/2008		< 1.0		< 1.0	
	4/22/2009		< 1.0		< 1.0	
	10/20/2009		< 1.0		< 1.0	
	4/22/2010		< 1.0		< 1.0	
	10/19/2010		< 1.0		< 1.0	
	10/11/2011		< 1.0		< 1.0	
	4/18/2012		< 1.0		< 1.0	
	11/7/2012		< 1.0		< 1.0	
	4/10/2013		< 1.0		< 1.0	
	10/17/2013		< 1.0		< 1.0	
	4/15/2014		< 1.0		< 1.0	
	10/22/2014		< 0.06		< 0.11	
	4/21/2015		< 0.42		< 0.44	
	10/20/2015		< 1.0		< 1.0	
	4/13/2016		< 1.0		< 1.0	
	10/24/2016		< 1.0		< 1.0	
	4/12/2017		< 0.50		< 1.0	
	10/4/2017		< 0.50		< 1.0	
	4/24/2018		< 1.0		< 1.0	
	10/1/2018		< 0.30		< 1.0	
	4/15/2019		< 0.30		< 1.00	
	10/15/2019		< 0.300		< 1.00	
	4/9/2020		< 0.300		< 1.00	
	10/21/2020		< 0.300		< 1.00	
	4/13/2021		< 0.300		7.98	
	10/6/2021		< 0.300	U	< 1.00	U
	4/19/2022		< 0.50	U	< 0.50	U
	10/18/2022		< 0.50	U	< 0.50	U
	4/18/2023		< 0.50	U	< 0.50	U
	10/12/2023		< 0.50	U	< 0.50	U
	4/3/2024		< 0.50	U	< 0.50	U
	10/17/2024		< 0.50	U	< 0.50	U
	5/1/2025		< 0.50	U	< 0.50	U
	10/21/2025		< 0.50	U	< 0.50	U
	4/20/2026		< 0.50	U	< 0.50	U

Table 4-2
WIA Intermediate Sand Aquifer Anlytical Data
(10/2007 - 4/2026)

Well	Date	VOCs (µg/L) (EPA Method 8021B/8260)	
		Benzene	Toluene
	Cleanup Level	1.2	2,000
MW-249	10/24/2007	< 1.0	< 1.0
	4/16/2008	< 1.0	< 1.0
	10/27/2008	< 1.0	< 1.0
	4/22/2009	< 1.0	< 1.0
	10/20/2009	< 1.0	< 1.0
	4/23/2010	< 1.0	< 1.0
	10/20/2010	< 1.0	< 1.0
	10/10/2011	< 1.0	< 1.0
	4/18/2012	< 1.0	< 1.0
	11/7/2012	< 1.0	< 1.0
	4/10/2013	< 1.0	< 1.0
	10/17/2013	< 1.0	< 1.0
	4/15/2014	< 1.0	< 1.0
	10/22/2014	< 0.060	< 1.0
	4/23/2015	< 0.42	< 1.0
	10/20/2015	< 1.0	< 1.0
	4/12/2016	< 1.0	< 1.0
	MW-249 Monitoring Ceased Per 112916 Ecy Ltr.		
MW-250	10/25/2007	< 1.0	< 1.0
	4/17/2008	< 1.0	< 1.0
	4/17/2008 Dup	< 1.0	< 1.0
	10/27/2008	< 1.0	**3**
	10/27/2008 Dup	< 1.0	**3**
	4/23/2009	< 1.0	< 1.0
	4/23/2009 Dup	< 1.0	< 1.0
	10/20/2009 Dup	< 1.0	< 1.0
	10/20/2009	< 1.0	< 1.0
	4/23/2010 Dup	< 1.0	< 1.0
	4/23/2010	< 1.0	< 1.0
	10/19/2010	< 1.0	< 1.0
	10/11/2011	< 1.0	< 1.0
	10/11/2011 Dup	< 1.0	< 1.0
	4/18/2012	< 1.0	< 1.0
	11/7/2012	< 1.0	< 1.0
	4/10/2013	< 1.0	< 1.0
	4/10/2013 Dup	< 1.0	< 1.0
	10/17/2013	< 1.0	< 1.0
	10/17/2013 Dup	< 1.0	< 1.0
	4/15/2014	< 1.0	< 1.0
	4/15/2014 Dup	< 1.0	< 1.0
	10/22/2014	< 0.060	< 0.1
	10/22/2014 Dup	< 0.060	< 0.1
	4/23/2015	< 0.42	< 0.4
	4/23/2015 Dup	< 0.42	< 0.4
	10/20/2015	< 1.0	< 1.0
	4/12/2016	**< 73 D**	< 1.0
	10/24/2016	< 1.0	< 1.0
	4/12/2017	< 0.50	< 1.0
	10/4/2017	< 0.50	< 1.0
	4/25/2018	< 1.0	< 1.0
	10/3/2018	< 0.30	**13.8**
	4/15/2019	< 0.30	**3.47**
	10/16/2019	< 0.30	< 1.0
	4/9/2020	< 0.300	**13.8**
	10/21/2020	< 0.300	< 1.00
	4/13/2021	< 0.300	< 1.00
	10/6/2021	< 0.300	< 1.00
	4/19/2022	< 0.50	< 0.50
	10/18/2022	< 0.50 U	< 0.50 U
	4/18/2023	< 0.50 U	< 0.50 U
	10/12/2023	< 0.50 U	< 0.50 U
	4/3/2024	< 0.50 U	< 0.50 U
	10/17/2024	< 0.50 U	< 0.50 U
	5/1/2025	< 0.50 U	< 0.50 U
	10/21/2025	< 0.50 U	< 0.50 U
	4/20/2026	< 0.50 U	< 0.50 U

Notes:
(1) - ISRW pump wells sampled by peristaltic pump October 2015 & April
< - Result is non-detected above the laboratory reporting limit.
< - Detection limit above cleanup level.
Bold indicates detection.
Dup - Field Duplicate Sample.
D - Laboratory analtyical dilution
J - Estimated concentration.
Bold and sha Detection above cleanup level/Benzene Non-Detects at ele
EPA = U.S. Environmental Protection Agency; µg/L micrograms per liter;
VOC = volatile organic compound; WIA = West Impacted Area

Table 4-3
WIA ISRW Groundwater Extraction Pump Volume Data (2025 - 2026)

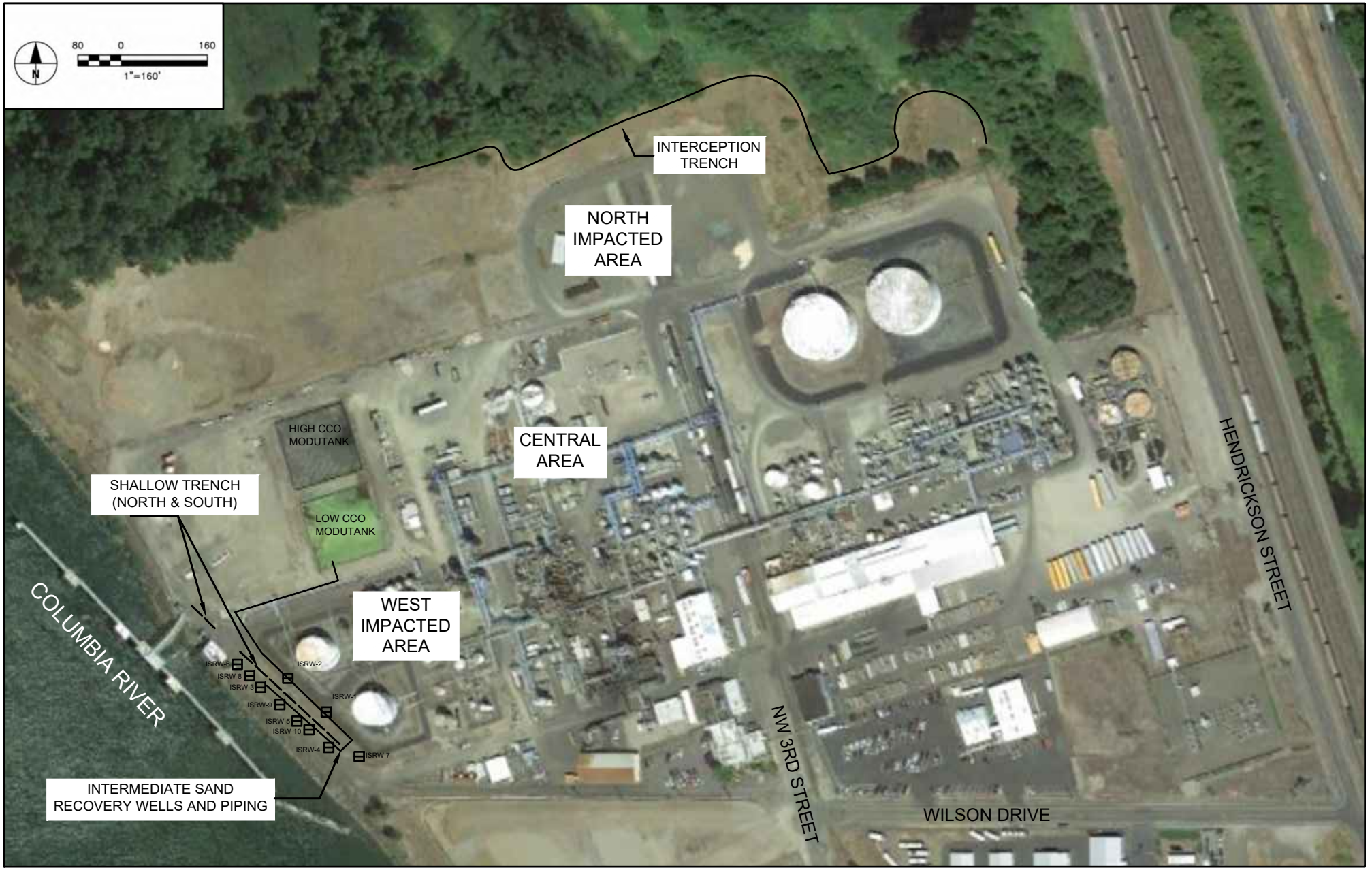
Date	Groundwater Extracted (gallons)										
	ISRW-1	ISRW-2	ISRW-3	ISRW-4	ISRW-5	ISRW-6	ISRW-7	ISRW-8	ISRW-9	ISRW-10	Total
April 2026	13,838	8,749	6,653	1,783	8,368	6,230	0	11,102	5,803	4,067	66,593
March 2026	15,801	9,184	7,430	2,039	7,761	7,433	0	12,688	7,091	4,023	73,450
February 2026	11,669	6,566	5,000	1,551	6,579	4,997	0	8,802	5,069	3,257	53,490
January 2026	21,220	9,050	7,440	2,410	10,060	8,840	0	14,920	9,500	6,490	89,930
December 2025	20,280	10,720	10,060	2,770	10,450	8,930	0	12,960	11,260	5,360	92,790
November 2025	6,430	4,660	3,270	680	3,520	2,810	0	5,520	4,140	2,680	33,710
October 2025	5,320	3,280	2,420	30	900	390	0	5,580	3,340	1,860	23,120
September 2025	3,630	3,020	1,730	11	700	0	0	4,280	2,510	1,290	17,171
August 2025	4,770	3,550	1,020	0	2,560	0	0	5,070	2,880	1,700	21,550
July 2025	6,360	4,740	4,030	390	3,990	460	0	6,590	2,210	3,510	32,280
June 2025	7,486	5,241	4,288	810	4,465	1,626	0	6,944	5,024	3,385	39,269
May 2025	9,154	6,749	4,872	1,040	5,465	2,404	0	9,316	6,666	4,025	49,691
Totals	125,958	75,509	58,213	13,514	64,818	44,120	0	103,772	65,493	41,647	593,044

WIA ISRW Discharge Analytical/Mass Removal Data (2025 - 2026)

Well	May 2025 - October 2025					November 2025 - April 2026					May 2025 - April 2026	
	Groundwater Extracted (gallons)	Avg Benz (Apr, Jul, Oct) (ug/L)	Benz Remvd (lb)	Avg Toluene (Apr, Jul, Oct) (ug/L)	Toluene Remvd (lb)	Groundwater Extracted (gallons)	Avg Benz (Oct, Jan, Apr) (ug/L)	Benz Remvd (lb)	Avg Toluene (Oct, Jan, Apr) (ug/L)	Toluene Remvd (lb)	Benz Remvd (lb)	Toluene Remvd (lb)
ISRW-1	36,720	5	0.00	14,125	4.3	89,238	6	0.00	14,833	4.5	0.00	9
ISRW-2B	26,580	18	0.00	15,833	3.5	48,929	39	0.01	22,133	4.9	0.01	8
ISRW-3	18,360	40	0.01	34,333	5.3	39,853	55	0.01	53,000	8.1	0.01	13
ISRW-4	2,281	3	0.00	676	0.0	11,233	6	0.00	1,266	0.0	0.00	0
ISRW-5	18,080	17	0.00	11,853	1.8	46,738	19	0.00	15,187	2.3	0.01	4
ISRW-6	4,880	7	0.00	390	0.0	39,240	17	0.00	5,537	0.2	0.00	0
ISRW-7	0	0.0	0.00	0	0.0	0	0	0.00	0	0.0	0.00	0
ISRW-8	37,780	31	0.01	16,000	5.0	65,992	51	0.02	19,000	6.0	0.03	11
ISRW-9	42,863	38	0.01	27,000	9.6	42,863	36	0.01	21,333	7.6	0.03	17
ISRW-10	15,770	44	0.01	28,333	3.7	25,877	93	0.01	61,333	8.1	0.02	12
Total	**203,314**		**0.04**		**33**	**409,963**		**0.1**		**42**	**0.11**	**75**

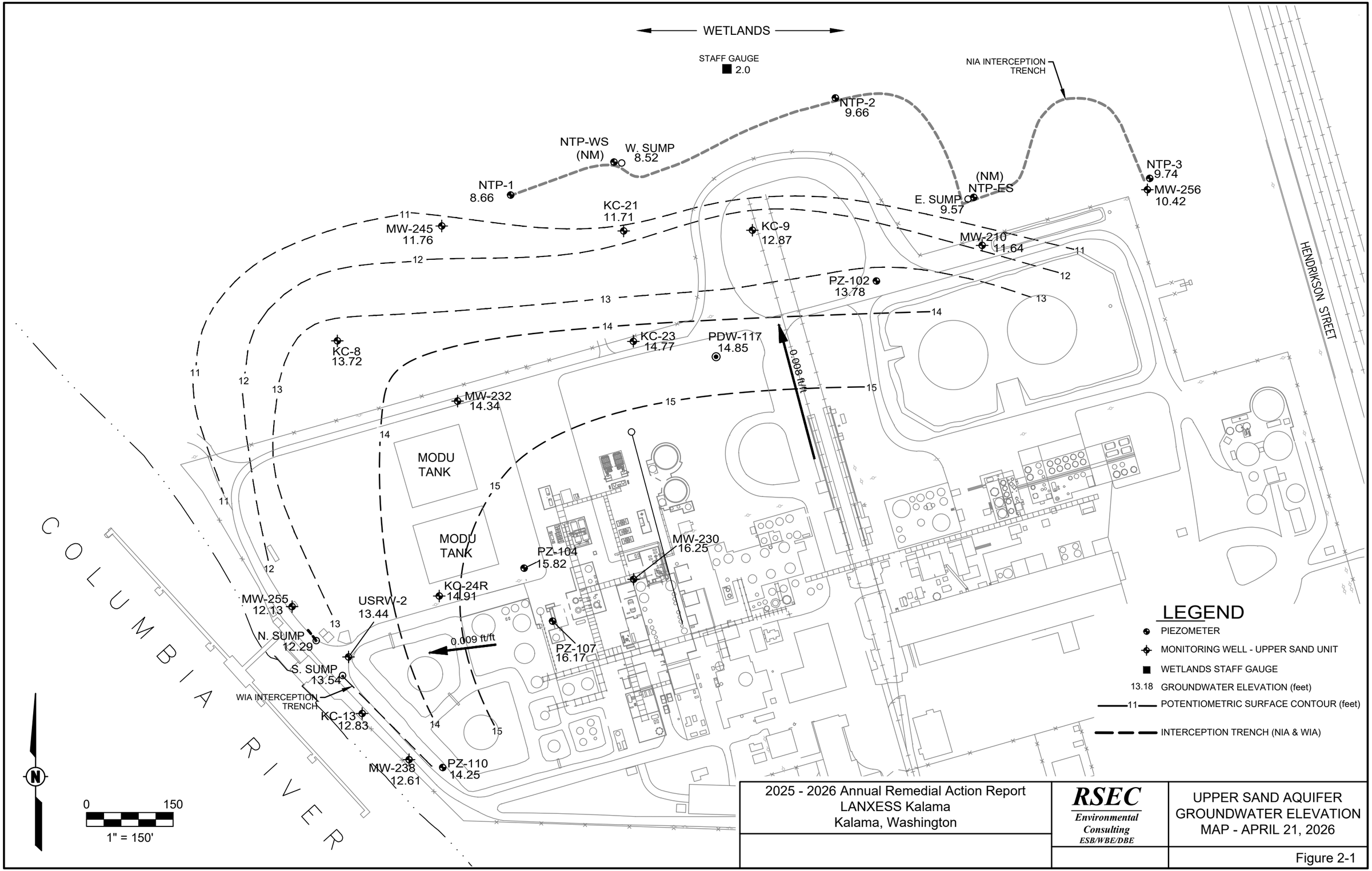
Notes:
Averages include duplicate samples.
Average concentration values are rounded.
ISRW = intermediate sand recovery well; lb = pounds; ug/L = micrograms per liter
Benzene concentration assumed 50% of detection level / MRL for diluted samples (marked D) where toluene concentration > CUL (i.e., ISRW-1, Table 4-2)

Figures



Site Layout

Figure 1-1



2025 - 2026 Annual Remedial Action Report
LANXESS Kalama
Kalama, Washington

RSEC
Environmental Consulting
ESB/WBE/DBE

UPPER SAND AQUIFER GROUNDWATER ELEVATION MAP - APRIL 21, 2026

Figure 2-1

WETLANDS

NIA INTERCEPTION TRENCH

10/15/2025	0.62
4/20/2026	5.3

NTP-2

NTP-WS W. SUMP

NTP-1

4/21/2026	<0.50

10/15/2025	<0.50
4/20/2026	<0.50

NTP-ES E. SUMP

MW-256

MW-245

KC-9

MW-210

HENDRIKSON STREET

PDW-117

4/21/2026	<0.50

0.008 ft/ft

MW-232

MODU TANK

MODU TANK

4/21/2026	3.9

PZ-104

PZ-107

4/21/2026	<0.50

0.009 ft/ft

MW-255

MW-244

N. SUMP

USRW-2

S. SUMP

WIA INTERCEPTION TRENCH

KC-13

KC-11

STP-1

MW-238

COLUMBIA RIVER

N

0 150

1" = 150'

LEGEND

- PIEZOMETER
- MONITORING WELL - UPPER SAND UNIT
- 10 BENZENE CONCENTRATION
- (Dup) FIELD DUPLICATE
- INTERCEPTION TRENCH (NIA & WIA)
- 11 POTENTIOMETRIC SURFACE CONTOUR (feet)

All units in µg/L - micrograms per Liter

2025 - 2026 Annual Remedial Action Report
LANXESS Kalama
Kalama, Washington

RSEC Environmental Consulting ESB/WBE/DBE

UPPER SAND BENZENE CONCENTRATION MAP
(cul = 1.2 µg/L)

Figure 2-2

WETLANDS

NIA INTERCEPTION TRENCH

10/15/2025	613
4/20/2026	174

NTP-2

10/15/2025	82.7
4/20/2026	114

NTP-WS W. SUMP

NTP-1

NTP-3

MW-256

4/21/2026	11.5

NTP-ES E. SUMP

4/21/2026	47.5

MW-245

4/21/2026	953

KC-9

MW-210

HENDRIKSON STREET

11

12

13

14

15

PDW-117

4/21/2026	404

MW-232

0.008 ft/ft

MODU TANK

MODU TANK

4/21/2026	1,960

PZ-104

MW-255

MW-244 N. SUMP

USRW-2

0.009 ft/ft

PZ-107

4/21/2026	7

4/21/2026	<0.40

S. SUMP

KC-11

KC-13

WIA INTERCEPTION TRENCH

STP-1

MW-238

COLUMBIA RIVER

N

0 150

1" = 150'

LEGEND

- PIEZOMETER
- MONITORING WELL - UPPER SAND UNIT
- 170 DPO CONCENTRATION
- (Dup) FIELD DUPLICATE
- INTERCEPTION TRENCH (NIA & WIA)
- 11 POTENTIOMETRIC SURFACE CONTOUR (feet)

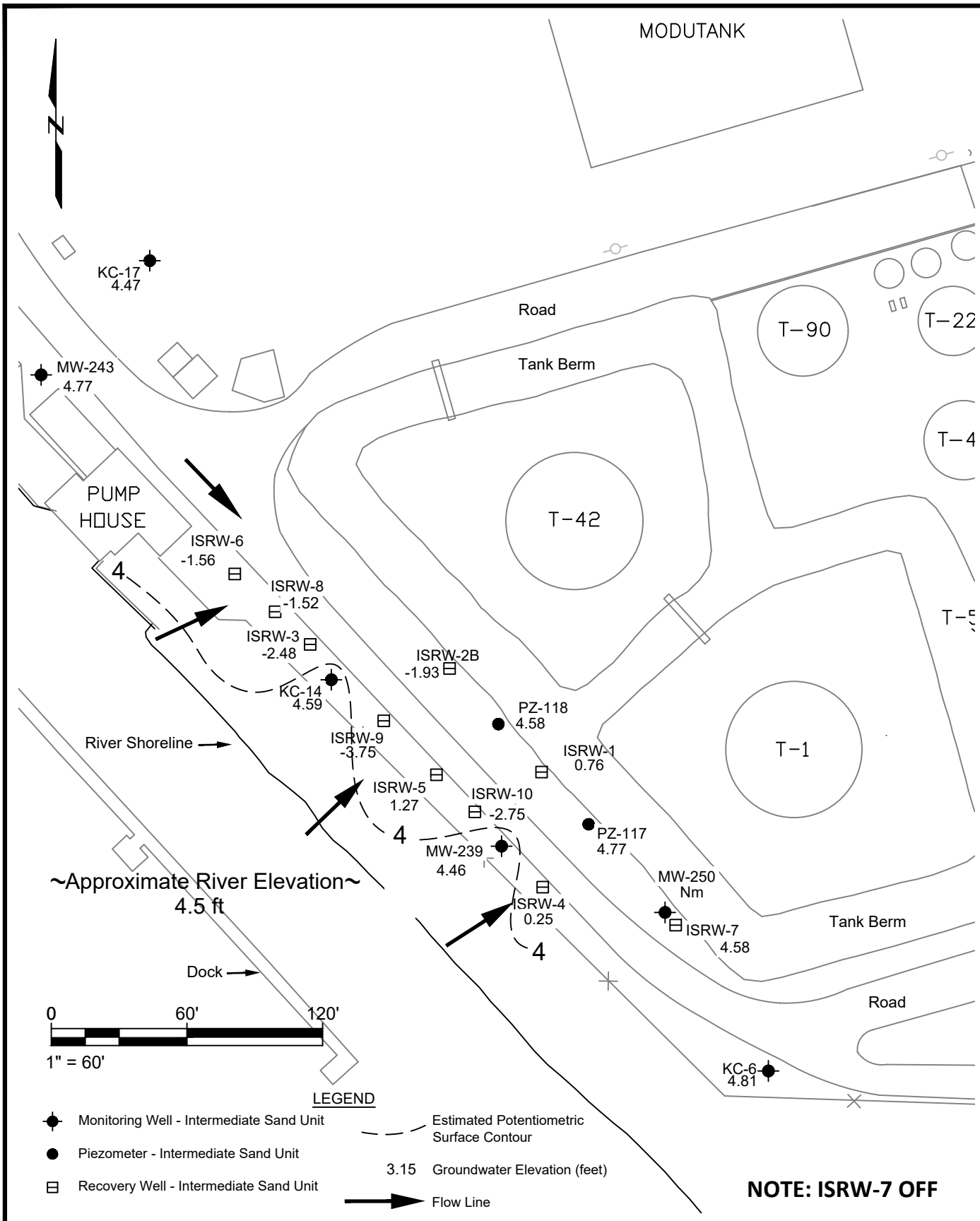
All units in µg/L - micrograms per Liter

2025 - 2026 Annual Remedial Action Report
LANXESS Kalama
Kalama, Washington

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Environmental Consulting
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UPPER SAND DIPHENYL OXIDE CONCENTRATION MAP
(cul = 410 µg/L)

Figure 2-3

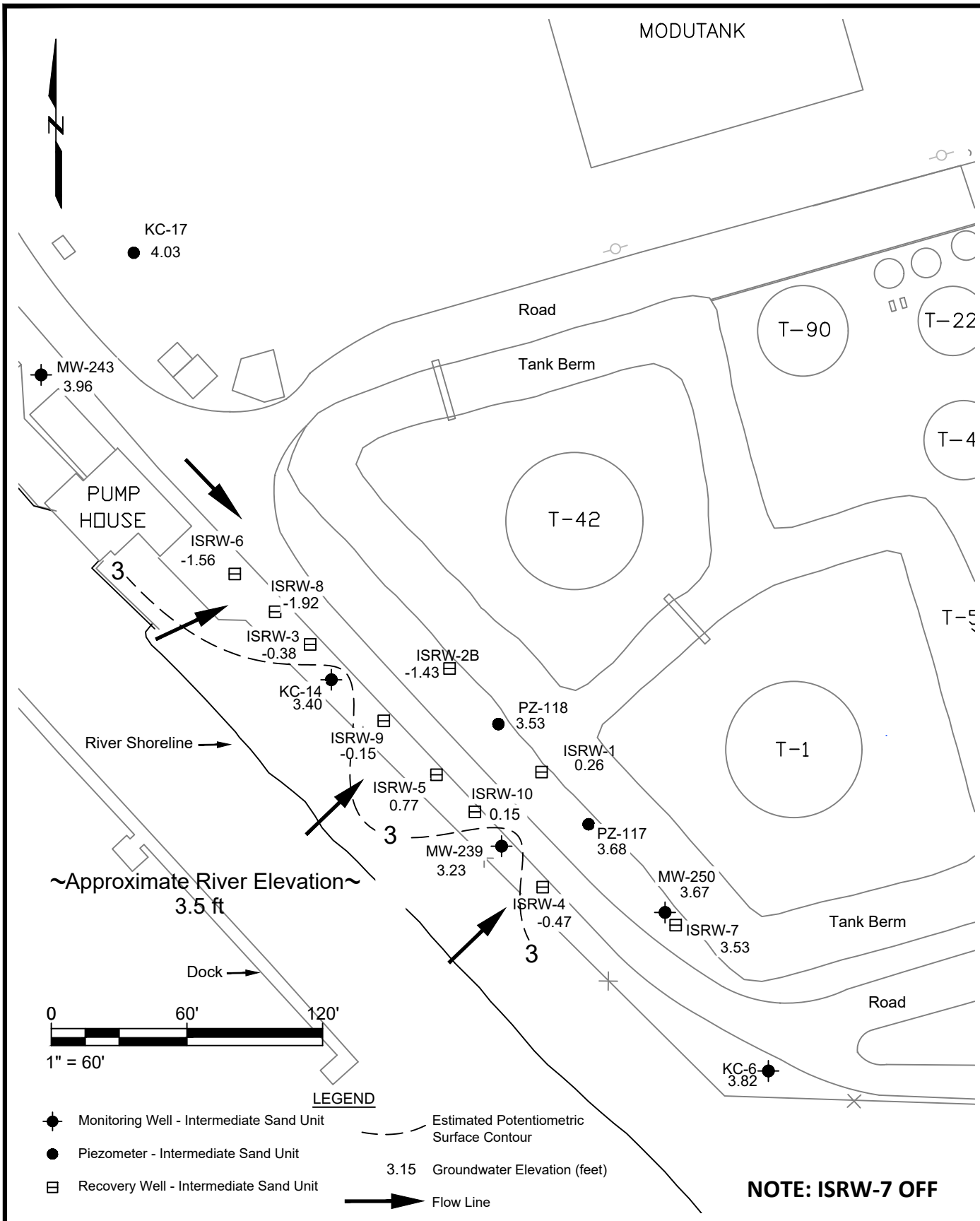


2025 - 2026 Annual Remedial Action Report
LANXESS Kalama
Kalama, Washington

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WIA Intermediate Sand Aquifer
Potentiometric Surface Map
July 15, 2025

Figure 4-1

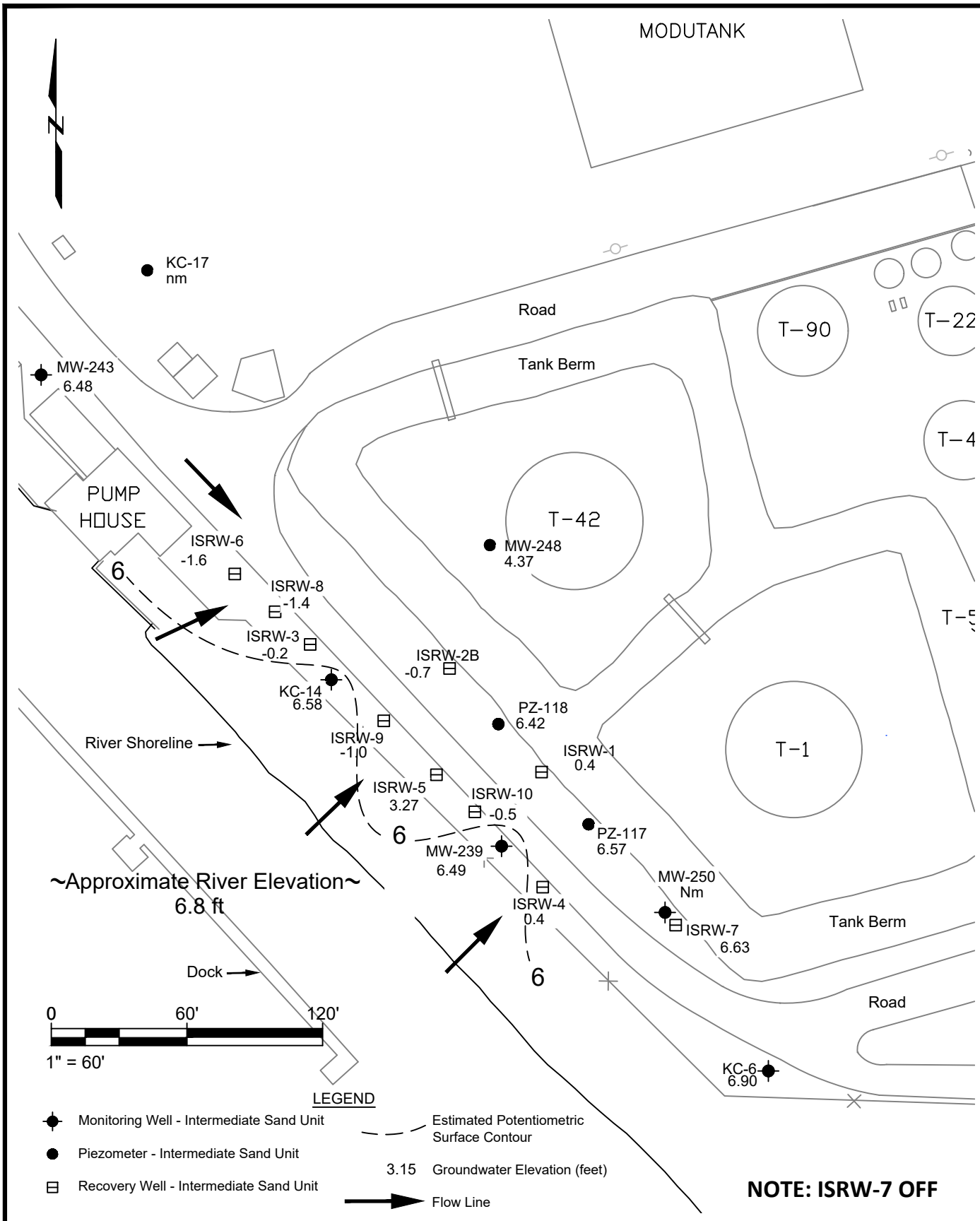


2025 - 2026 Annual Remedial Action Report
LANXESS Kalama
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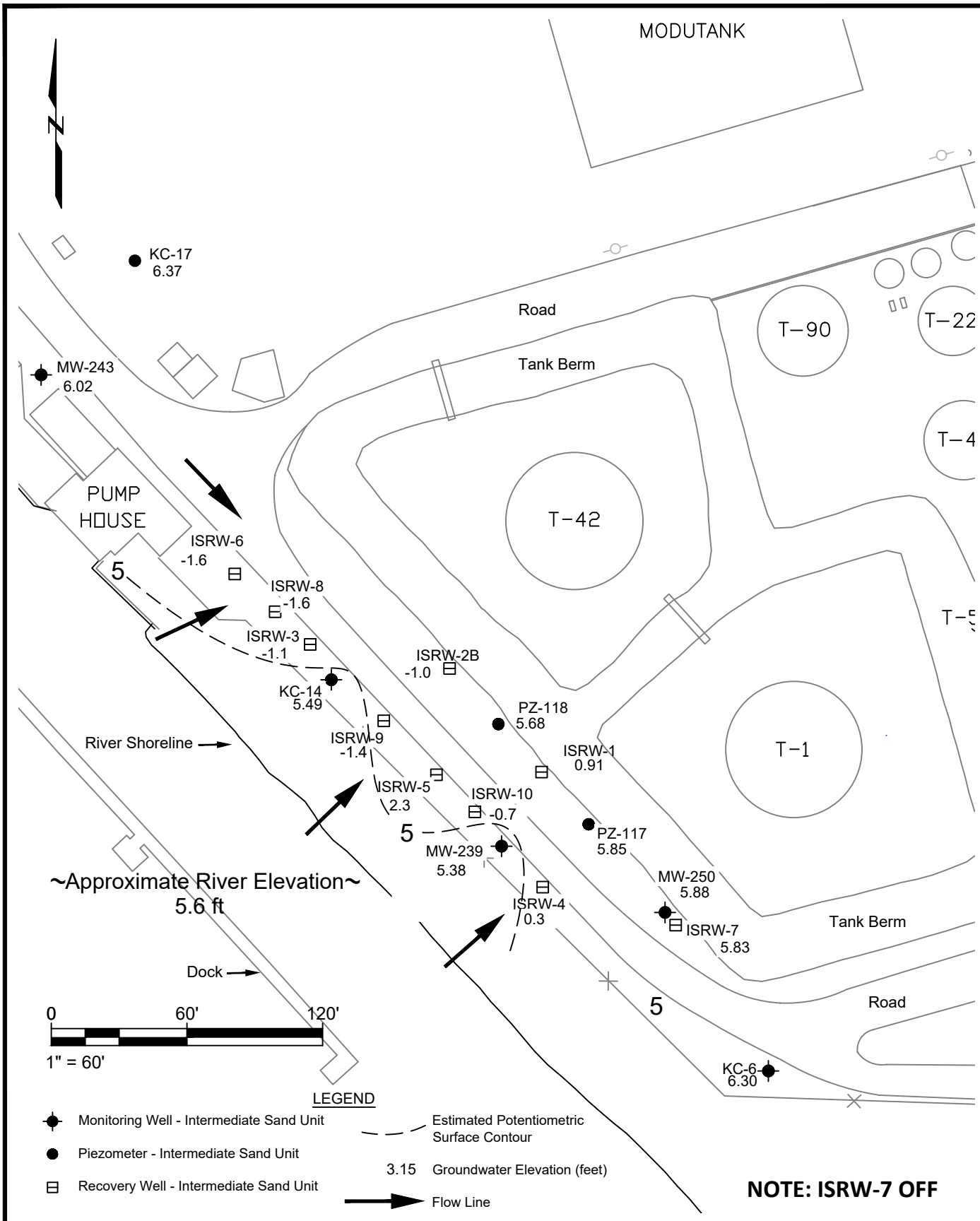
WIA Intermediate Sand Aquifer
Potentiometric Surface Map
October 23, 2025

Figure 4-2



2025 - 2026 Annual Remedial Action Report LANXESS Kalama Kalama, Washington	**RSEC** *Environmental Consulting* *ESB/WBE/DBE*	WIA Intermediate Sand Aquifer Potentiometric Surface Map January 27, 2026
		Figure 4-3

---- C:\Users\GarrettSkelton\OneDrive - Radial Engineering\RSEC\Kalama CAD\Fig_4-3 v6.12.2026.dwg - 5/26/2026

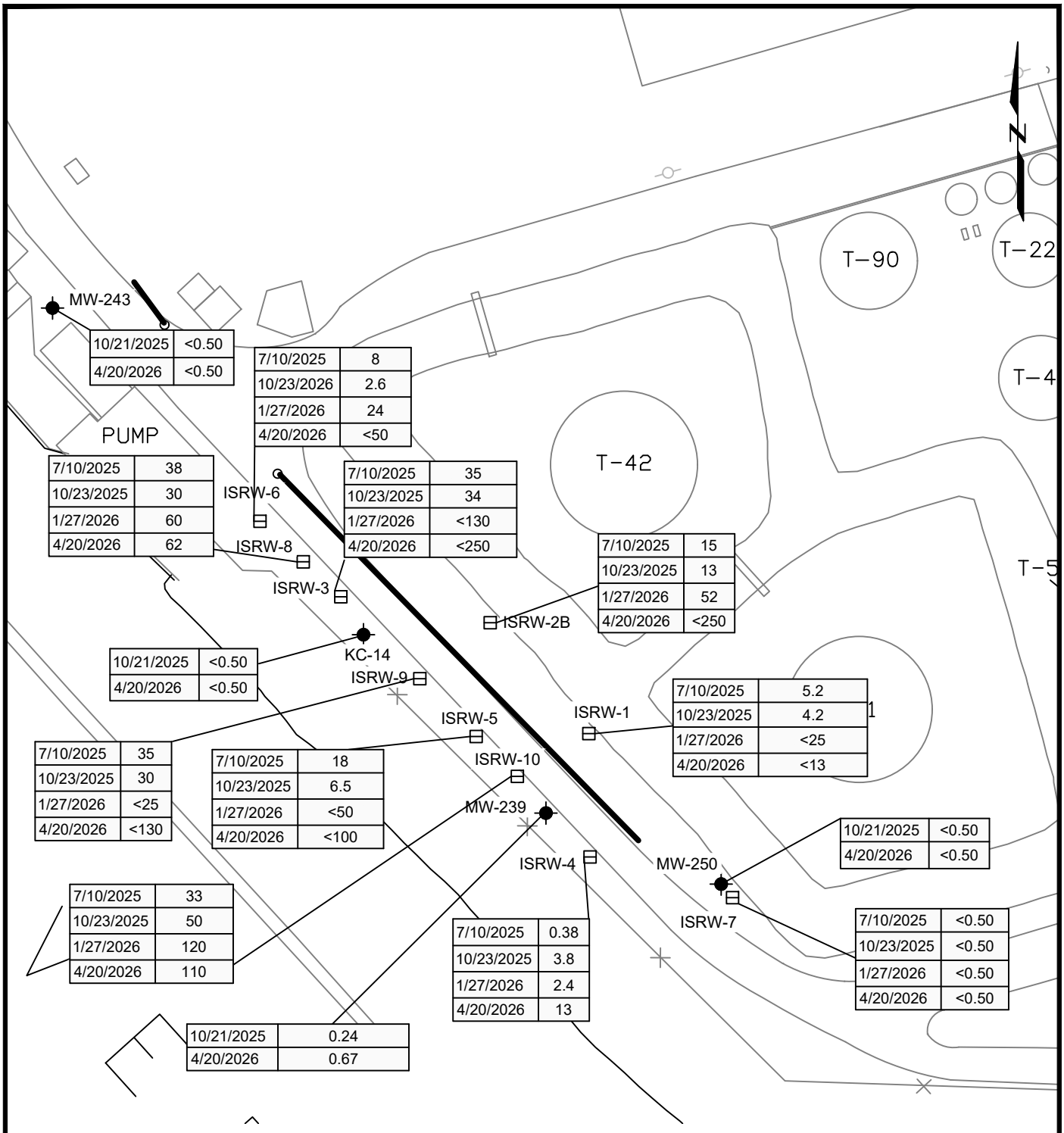


2025 - 2026 Annual Remedial Action Report
LANXESS Kalama
Kalama, Washington

RSEC
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WIA Intermediate Sand Aquifer
Potentiometric Surface Map
April 29, 2026

Figure 4-4

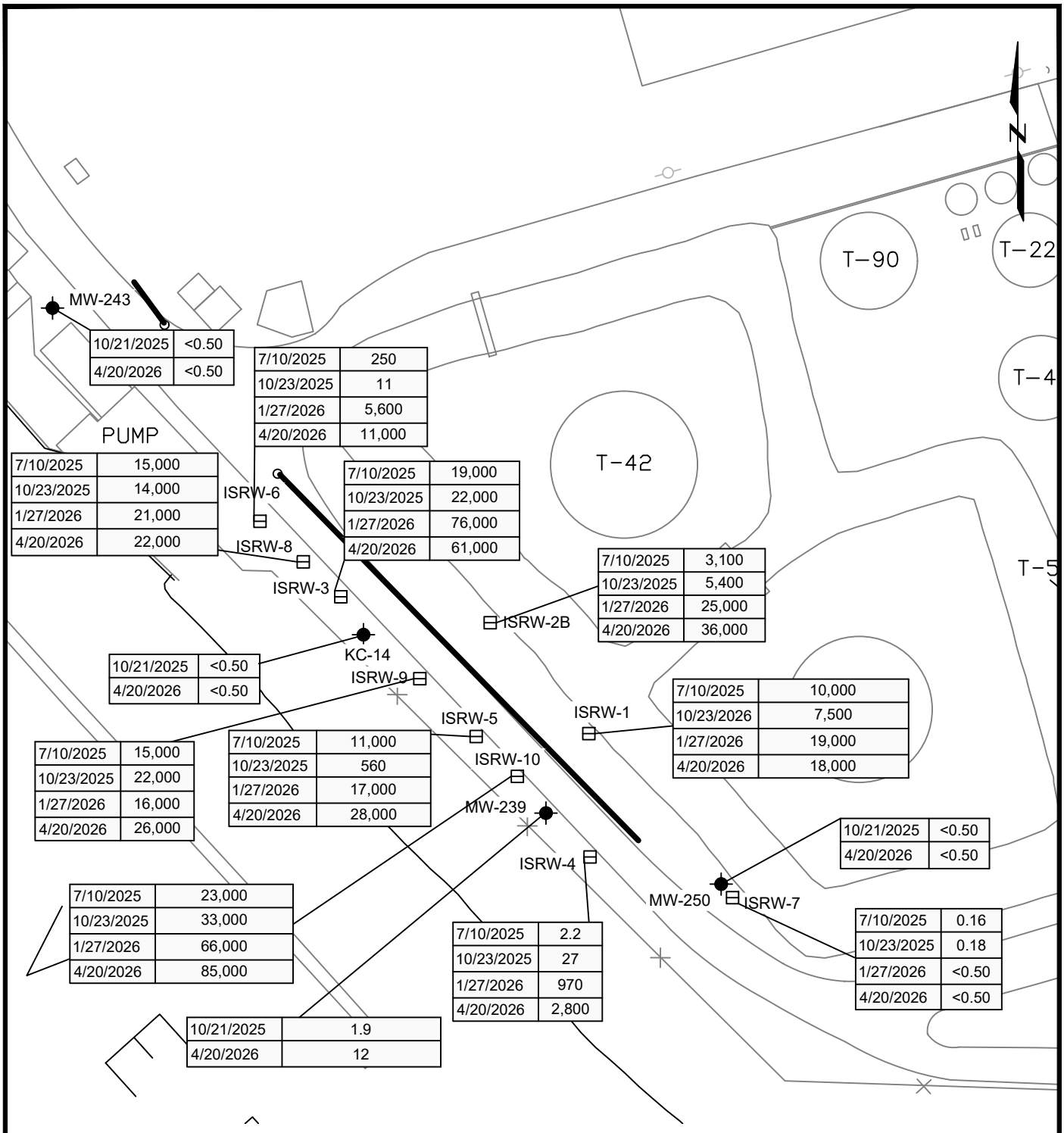


2025 - 2026 Annual Remedial Action Report
LANXESS Kalama
Kalama, Washington

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WIA Intermediate Sand Aquifer
Benzene Concentrations
(cul = 1.2 µg/L)

Figure 4-5



2025 - 2026 Annual Remedial Action Report
LANXESS Kalama
Kalama, Washington

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WIA Intermediate Sand Aquifer
Toluene Concentrations
(cul = 2,000 µg/L)

Figure 4-6

Appendix A

Ground Water Elevation Data Tables

WIA Intermediate Sand Gauging Data

Well	4/29/2026		1/27/2026		10/ 23/2025		7/15/2025		4/25/2025		1/ 30/2025		10/24/24		7/11/2024	
	DTW	GW Elev (7-15-19 MP)	DTW	GW Elev (7-15-19 MP)	DTW	GW Elev (7-15-19 MP)	DTW	GW Elev (7-15-19 MP)	DTW	GW Elev (7-15-19 MP)	DTW	GW Elev (7-15-19 MP)	DTW	GW Elev (7-15-19 MP)	DTW	GW Elev (7-15-19 MP)
River		5.6		6.8		3.5		4.5		~7.2	~4.9	~4.9	3.9	3.9		5.1
KC-6	18.72	6.30	18.12	6.90	21.20	3.82	20.21	4.81	18.90	6.12	20.43	4.59	21.47	3.55	19.71	5.31
KC-14	17.80	5.49	16.71	6.58	19.89	3.40	18.70	4.59	17.11	6.18	19.18	4.11	19.57	3.72	18.19	5.10
MW-239	19.97	5.38	18.86	6.49	22.12	3.23	20.89	4.46	19.19	6.16	21.42	3.93	21.78	3.57	20.41	4.94
MW-243	19.88	6.02	19.42	6.48	21.94	3.96	21.13	4.77	19.90	6.00	21.35	4.55	22.15	3.75	20.71	5.19
MW-250	20.24	5.88		nm	22.45	3.67		nm	20.19	5.93	21.92	4.20	22.64	3.48	nm	nm
PZ-117	20.07	5.85	19.35	6.57	22.24	3.68	21.15	4.77	20.37	5.55	21.80	4.12	22.60	3.32	20.82	5.10
PZ-118	19.50	5.68	18.76	6.42	21.65	3.53	20.60	4.58	19.21	5.97	21.02	4.16	21.63	3.55	20.15	5.03
KC-17	16.65	6.37		nm	18.99	4.03	18.55	4.47	17.21	5.81	18.19	4.83	19.49	3.53	nm	nm
ISRW-1	24.4	0.9	24.9	0.4	25.0	0.3	24.50	0.8	25.0	0.26	24.70	0.56	24.4	0.86	24.80	0.46
ISRW-2b	25.5	-1.0	25.2	-0.7	25.9	-1.4	26.40	-1.9	26.1	-1.63	24.70	-0.23	26.4	-1.93	26.20	-1.73
ISRW-3	24.9	-1.1	24.0	-0.2	24.2	-0.4	26.30	-2.5	26.5	-2.68	26.60	-2.78	25.2	-1.38	26.55	-2.73
ISRW-4	24.0	0.3	23.9	0.4	24.8	-0.5	24.10	0.2	24.2	0.13	24.20	0.13	24.6	-0.27	23.35	0.98
ISRW-5	21.8	2.3	20.8	3.3	23.3	0.8	22.80	1.3	23.7	0.37	24.20	-0.13	22.0	2.07	23.35	0.72
ISRW-6	23.9	-1.6	24.6	-1.6	23.7	-1.6	25.10	-1.6	24.3	-0.76	23.80	-0.26	24.2	-0.66	23.55	-0.01
ISRW-7	19.0	5.8	18.2	6.6	21.3	3.5	20.25	4.6	18.8	5.99	20.60	4.23	21.4	3.48	19.80	5.03
ISRW-8	25.5	-1.6	25.3	-1.4	25.8	-1.9	25.40	-1.5	25.3	-1.42	26.10	-2.22	24.6	-0.72	25.40	-1.52
ISRW-9	24.9	-1.4	24.5	-0.9	23.7	-0.1	27.30	-3.8	26.1	-2.55	25.90	-2.35	26.2	-2.65	26.50	-2.95
ISRW-10	25.0	-0.6	24.8	-0.4	24.2	0.2	27.10	-2.8	26.6	-2.25	26.70	-2.35	27.1	-2.75	26.55	-2.20

Table B NIA Upper Sand Gauging Data

Well	MP Elevation	4/21/2026			4/25/2025			4/ 3 - 4 /2024			4/19/2023		
		Time	Depth to Water	Ground-water Elevation	Time	Depth to Water	Ground-water Elevation	Time	Depth to Water	Ground-water Elevation	Time	Depth to Water	Ground-water Elevation
KC-8	24.57	1320	10.85	13.72	1206	10.78	13.79	4/4 1128	10.14	14.43	1300	10.2	14.37
KC-9 (2)	21.07	1204	8.20	12.87	1314	8.75	12.32	4/4 1145	7.15	13.92	1200	8.29	12.78
KC-21	24.61	1315	12.9	11.71	1219	13.14	11.47	4/4 1024	11.37	13.24	1305	12.35	12.26
KC-23	23.87	1318	9.1	14.77	1257	9.55	14.32	4/3 1539	8.39	15.48	1110	9.21	14.66
MW-210(2)	26.44	1335	14.8	11.64	1308	15.3	11.14	4/3 1545	14.23	12.21	1250	14.99	11.45
MW-232	24.59	1338	10.25	14.34	1151	10.29	14.30	4/3 1535	9.36	15.23	1100	10.01	14.58
MW-245	25.81	1300	14.05	11.76	1202	13.93	11.88	4/4 1045	13.06	12.75	1430	13.32	12.49
MW-256	19.09	1400	8.67	10.42	1234	9.39	9.70	4/4 0855	8.74	10.35	1255	9.18	9.91
PZ-102	25.76	1348	11.98	13.78	1305	12.02	13.74	4/3 1543	10.94	14.82	1245	11.7	14.06
NTP-1	23.99	1305	15.33	8.66	1210	18.62	5.37	4/4 1118	12.59	11.40	1445	17.5	6.49
NTP-2	16.91	1408	7.25	9.66	1225	9.56	7.35	4/4 1029	6.98	9.93	1455	8.6	8.31
NTP-3	15.61	1403	5.87	9.74	1232	8.66	6.95	4/4 0917	6.12	9.49	1310	7.69	7.92
East Sump	13.47	1410	3.9	9.57	1229	9.09	4.38	4/4 1000	4.36	9.11	1340	6.3	7.17
West Sump	13.62	1310	5.1	8.52	1213	8.91	4.71	4/4 1020	2.41	11.21	1410	7.4	6.22
Staff Gauge	8.17	1340	2	10.17	1223	1.6	9.77	4/4 1032	2.5	10.67	1450	1.8	9.97

Table B CIA Upper Sand Gauging Data

Well	MP Elevation	4/21/2026			4/25/2025			4/4/2024			4/19/2023		
		Time	Depth to Water	Ground-water Elevation	Time	Depth to Water	Ground-water Elevation	Time	Depth to Water	Ground-water Elevation	Time	Depth to Water	Ground-water Elevation
KC-9 (2)	21.07	1204	8.20	12.87	1314	8.75	12.32	1145	7.15	13.92	1200	8.29	12.78
MW-210 (2)	26.44	1412	14.8	11.64	1308	15.3	11.14	1545	14.23	12.21	1250	14.99	11.45
MW-230	26.16	1420	9.91	16.25	1125	10.27	15.89	1555	8.99	17.17	1430	10.14	16.02
PDW-117	25.85	1540	11.00	14.85	1300	11.35	14.50	1228	10.13	15.72	1120	11.04	14.81
PZ-104	24.83	950	9.01	15.82	1118	9.35	15.48	1356	8.21	16.62	1425	9.17	15.66
PZ-107	25.5	1100	9.33	16.17	1122	9.71	15.79	1312	8.49	17.01	1420	9.54	15.96

Table B WIA Upper Sand Gauging Data

Well	MP Elevation	4/20/2026			4/25/2025			4/3/2024			4/18/2023		
		Time	Depth to Water	Ground-water Elevation	Time	Depth to Water	Ground-water Elevation	Time	Depth to Water	Ground-water Elevation	Time	Depth to Water	Ground-water Elevation
KC-13	23.34	1217	10.51	12.83	1044	10.98	12.36	1359	10.5	12.84	1400	10.9	12.44
KC-24R	24.76	1220	9.85	14.91	1115	9.92	14.84	1408	9.03	15.73	1410	9.7	15.06
MW-238	25.10	1222	12.49	12.61	1041	12.98	12.12	1401	11.96	13.14	1355	12.63	12.47
MW-255	21.96	1228	9.83	12.13	1055	10.54	11.42	1410	9.88	12.08	1350	10.41	11.55
PZ-110	25.76	1225	11.51	14.25	1039	11.96	13.8	1403	11.16	14.6	1358	11.72	14.04
USRW-2	22.85	1230	9.41	13.44	1050	9.92	12.93	1423	9.4	13.45	1330	9.8	13.05
N. SUMP	23.29	1232	11	12.29	1054	11.5	11.79	1356	11.1	12.19	1340	11.72	11.57
S. SUMP	23.34	1233	9.8	13.54	1052	10.3	13.04	1358	9.65	13.69	1345	10.11	13.23

Appendix B

Laboratory Reports (transmitted via e-file)

July 24, 2025 Service Request No:K2506929

Rich Truax
RSEC Inc
958 Hood View Ct.
Hood River, OR 97031

Laboratory Results for: Lanxess Kalama

Dear Rich,

Enclosed are the results of the sample(s) submitted to our laboratory July 11, 2025
For your reference, these analyses have been assigned our service request number **K2506929.**

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current NELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. All results are intended to be considered in their entirety, and ALS Group USA Corp. dba ALS Environmental (ALS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please contact me if you have any questions. My extension is 3260. You may also contact me via email at Luke.Rahn@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Luke Rahn
Project Manager

ADDRESS 1317 S. 13th Avenue, Kelso, WA 98626
PHONE +1 360 577 7222 | FAX +1 360 636 1068
ALS Group USA, Corp.
dba ALS Environmental

Narrative Documents

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

1317 South 13th Ave, Kelso, WA 98626 | 1-360-577-7222 | www.alsglobal.com

Client: RSEC Inc
Project: Lanxess Kalama
Sample Matrix: Water

Service Request: K2506929
Date Received: 07/11/2025

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier II level requested by the client.

Sample Receipt:

Eleven water samples were received for analysis at ALS Environmental on 07/11/2025. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

Volatiles by GC/MS:

Method 8260C, 07/14/2025: Multiple samples required dilution due to the presence of elevated levels of Toluene. The reporting limits are adjusted to reflect the dilution.

Method 8260C, 07/14/2025: The detection limit was elevated for all analytes in multiple samples. The sample extract was diluted prior to instrumental analysis due to relatively high levels of non-target background components. A semiquantitative screen was performed prior to final analysis. The results of the screening indicated the need to perform a dilution. The reporting limits were elevated to reflect the dilution.

Approved by  Date 07/24/2025

SAMPLE DETECTION SUMMARY

This form includes only detections above the reporting levels. For a full listing of sample results, continue to the Sample Results section of this Report.

CLIENT ID: ISRW-1			Lab ID: K2506929-001			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Benzene	5.2	J	2.5	20	ug/L	8260C
Toluene	10000		22	200	ug/L	8260C

CLIENT ID: ISRW-2b			Lab ID: K2506929-002			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Benzene	15		1.6	13	ug/L	8260C
Toluene	3100		14	130	ug/L	8260C

CLIENT ID: ISRW-3			Lab ID: K2506929-003			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Benzene	35	J	6.2	50	ug/L	8260C
Toluene	19000		54	500	ug/L	8260C

CLIENT ID: ISRW-4			Lab ID: K2506929-004			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Benzene	0.38	J	0.062	0.50	ug/L	8260C
Toluene	2.2		0.054	0.50	ug/L	8260C

CLIENT ID: ISRW-5			Lab ID: K2506929-005			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Benzene	18		1.3	10	ug/L	8260C
Toluene	11000		11	100	ug/L	8260C

CLIENT ID: ISRW-6			Lab ID: K2506929-006			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Benzene	8.0		0.062	0.50	ug/L	8260C
Toluene	250		0.27	2.5	ug/L	8260C

CLIENT ID: ISRW-8			Lab ID: K2506929-008			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Benzene	38		3.1	25	ug/L	8260C
Toluene	15000		27	250	ug/L	8260C

CLIENT ID: ISRW-9			Lab ID: K2506929-009			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Benzene	35		3.1	25	ug/L	8260C
Toluene	15000		27	250	ug/L	8260C

CLIENT ID: ISRW-10			Lab ID: K2506929-010			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Benzene	33	J	6.2	50	ug/L	8260C
Toluene	23000		54	500	ug/L	8260C

SAMPLE DETECTION SUMMARY

This form includes only detections above the reporting levels. For a full listing of sample results, continue to the Sample Results section of this Report.

CLIENT ID: ISRW-7			Lab ID: K2506929-007			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Toluene	0.16	J	0.054	0.50	ug/L	8260C

Sample Receipt Information

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Client: RSEC Inc **Service Request:**K2506929

Project: Lanxess Kalama/LKC-0725

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
K2506929-001	ISRW-1	7/10/2025	0900
K2506929-002	ISRW-2b	7/10/2025	0915
K2506929-003	ISRW-3	7/10/2025	0930
K2506929-004	ISRW-4	7/10/2025	0945
K2506929-005	ISRW-5	7/10/2025	1000
K2506929-006	ISRW-6	7/10/2025	1015
K2506929-007	ISRW-7	7/10/2025	1030
K2506929-008	ISRW-8	7/10/2025	1045
K2506929-009	ISRW-9	7/10/2025	1100
K2506929-010	ISRW-10	7/10/2025	1115
K2506929-011	Trip Blanks	7/10/2025	

CHAIN OF CUSTODY

1317 South 13th Ave., Kelso, WA 98626 | +1 360 577 7222 | +1 800 695 7222 | +1 360 636 1068 (fax)

SR# K2506424 PAGE 1 OF 1 COC# 0725-KC

PROJECT NAME	LanXess Kalama
PROJECT NUMBER	LKC-0725
PROJECT MANAGER	Rich Truax
COMPANY NAME	RSEC
ADDRESS	958 Hood View Ct.
CITY/STATE/ZIP	Hood River, OR. 97031
E-MAIL ADDRESS	rsec.rich@outlook.com
PHONE #	541-490-4273 FAX #
SAMPLER'S SIGNATURE	

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	NUMBER OF CONTAINERS	Semivolatile Organics by GC/MS 625☐ 8270☐ 8270LL☐ SIM PAH☐	Volatile Organics 624☐ 8260☒ 8021☐ BTEX☐	Hydrocarbons (*see below) Gas☐ Diesel☐ Oil☐	Oil & Grease/TRPH 1664 HEM☐ 1664 SGT☐	PCBs Aroclors☐ Congeners☐	Pesticides/Herbicides 608☐ 8081☐ 8141☐ 8151☐	Chlorophenolics - 8151M Tri☐ Tetra☐ PCP☐	Metals, Total or Dissolved (See List below)	Cyanide☐ Hex-Chrom☐	(circle) pH, Cond., Cl, SO_4, PO_4, F, NO_2, NO_3, BOD, TSS, TDS, Turb.	(circle) NH_3-N, COD, TKN, TOC, DOC, NO_2+NO_3, T-Phos	TOX 9020☐ AOX 1650☐ 506☐	Alkalinity ☐ CO_3 ☐ HCO_3 ☐	Dioxins/Furans 1613☐ 8290☐	Dissolved Gases CO_2☐ RSK 175☐ Methane☐ Ethane☐ Ethene☐	REMARKS
ISRW-1	7/10/25	0900		GW	3		X														
ISRW-2b		0915																			
ISRW-3		0930																			
ISRW-4		0945																			
ISRW-5		1000																			
ISRW-6		1015																			
ISRW-7		1030																			
ISRW-8		1045																			
ISRW-9		1100																			
ISRW-10		1115																			

REPORT REQUIREMENTS

- X I. Routine Report: Method Blank, Surrogate, as required
- ___ II. Report Dup., MS, MSD as required
- ___ III. CLP Like Summary (no raw data)
- ___ IV. Data Validation Report
- ___ V. EDD

INVOICE INFORMATION

P.O. # LKC-0725

Bill To: rsec.rich@outlook.com

TURNAROUND REQUIREMENTS

- ___ 24 hr. ___ 48 hr.
- ___ 5 day
- X Standard (15 working days)
- ___ Provide FAX Results

Requested Report Date

Circle which metals are to be analyzed:

Total Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Tl Sn V Zn Hg

Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Tl Sn V Zn Hg

*INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: _____ (CIRCLE ONE)

SPECIAL INSTRUCTIONS/COMMENTS:

* Please use MDL reporting - All samples benzene+toluene only / relinquished 7/11/25 1335 DPM

☐ Sample Shipment contains USDA regulated soil samples (check box if applicable)

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Signature: PHC	Signature: DPM	Signature:	Signature: DPM
Date/Time: 7/11/25 1115	Date/Time: 7/11/25 1315	Date/Time: 7/11/25 1215	Date/Time: 7/11/25 1335
Printed Name: R. Truax	Printed Name: Dawn Mellinger	Printed Name: Kandy DeRuse	Printed Name: Dawn Mellinger
Firm: RSEC	Firm: ALS	Firm:	Firm: ALS

w/ LKC Cont

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Cooler Receipt and Preservation Form

PM UB

Client ~~Caltrans~~ RSEC Service Request K25 A0929

Received: 7/11/25 Opened: 7/11/25 By: AD Unloaded: 7/11/25 By: AD

1. Samples were received via? *USPS* *Fed Ex* *UPS* *DHL* *PDX* *Courier* *Hand Delivered*
2. Samples were received in: (circle) *Cooler* *Box* *Envelope* *Other* _____ *NA*
3. Were custody seals on coolers? NA Y N If yes, how many and where? Front
   If present, were custody seals intact? Y N If present, were they signed and dated? Y N

Temp Blank	Sample Temp	IR Gun	Cooler #/COC ID / NA	Out of temp indicate with "X"	PM Notified If out of temp	Tracking Number NA	Filed
1.9		IR04					

4. Was a Temperature Blank present in cooler? NA Y N If yes, notate the temperature in the appropriate column below:
   If no, take the temperature of a representative sample bottle contained within the cooler; notate in the column "Sample Temp":
5. Were samples received within the method specified temperature ranges? NA Y N
   If no, were they received on ice and same day as collected? If not, notate the cooler # below and notify the PM. NA Y N

If applicable, tissue samples were received: *Frozen* *Partially Thawed* *Thawed*

6. Packing material: *Inserts* *Baggies* *Bubble Wrap* *Gel Packs* *Wet Ice* *Dry Ice* *Sleeves* _____
7. Were custody papers properly filled out (ink, signed, etc.)? NA Y N
8. Were samples received in good condition (unbroken) NA Y N
9. Were all sample labels complete (ie, analysis, preservation, etc.)? NA Y N
10. Did all sample labels and tags agree with custody papers? NA Y N
11. Were appropriate bottles/containers and volumes received for the tests indicated? NA Y N
12. Were the pH-preserved bottles (*see SMO GEN SOP*) received at the appropriate pH? *Indicate in the table below* NA Y N
13. Were VOA vials received without headspace? *Indicate in the table below.* NA Y N
14. Was C12/Res negative? NA Y N
15. Were samples received within method specified time limit? If not, notate the error below and notify the PM. NA Y N
16. Were 100mL sterile microbiology bottles filled exactly to the 100mL mark? NA Y N Underfilled Overfilled

Sample ID on Bottle	Sample ID on COC	Identified by:

Sample ID	Bottle Count Bottle Type	Head-space	Broke	pH	Reagent	Volume added	Reagent Lot Number	Initials	Time

Notes, Discrepancies, Resolutions:

2 trip Blanks not listed on COC

Miscellaneous Forms

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Inorganic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated value.
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
i	The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
X	See case narrative.
Q	See case narrative. One or more quality control criteria was outside the limits.
H	The holding time for this test is immediately following sample collection. The samples were analyzed as soon as possible after receipt by the laboratory.

Metals Data Qualifiers

#	The control limit criteria is not applicable.
J	The result is an estimated value.
E	The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
M	The duplicate injection precision was not met.
N	The Matrix Spike sample recovery is not within control limits. See case narrative.
S	The reported value was determined by the Method of Standard Additions (MSA).
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
W	The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
i	The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
X	See case narrative.
+	The correlation coefficient for the MSA is less than 0.995.
Q	See case narrative. One or more quality control criteria was outside the limits.

Organic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
A	A tentatively identified compound, a suspected aldol-condensation product.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
C	The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
D	The reported result is from a dilution.
E	The result is an estimated value over the calibration range.
J	The result is an estimated value between the MDL and the MRL.
N	The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
P	The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results.
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
i	The MRL/MDL or LOQ/LOD is elevated due to a chromatographic interference.
X	See case narrative.
Q	See case narrative. One or more quality control criteria was outside the limits.

Additional Petroleum Hydrocarbon Specific Qualifiers

F	The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
L	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
H	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
O	The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
Y	The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
Z	The chromatographic fingerprint does not resemble a petroleum product.

ALS Group USA Corp. dba ALS Environmental (ALS) - Kelso
State Certifications, Accreditations, and Licenses

Agency	Web Site	Number
Alaska DEH	http://dec.alaska.gov/eh/lab/cs/csapproval.htm	UST-040
Arizona DHS	http://www.azdhs.gov/lab/license/env.htm	AZ0339
Arkansas - DEQ	http://www.adeq.state.ar.us/techsvs/labcert.htm	88-0637
California DHS (ELAP)	http://www.cdph.ca.gov/certlic/labs/Pages/ELAP.aspx	2795
DOD ELAP	http://www.denix.osd.mil/edqw/Accreditation/AccreditedLabs.cfm	L16-58-R4
Florida DOH	http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm	E87412
Hawaii DOH	http://health.hawaii.gov/	-
ISO 17025	http://www.pjlabs.com/	L16-57
Louisiana DEQ	http://www.deq.louisiana.gov/page/la-lab-accreditation	03016
Maine DHS	http://www.maine.gov/dhhs/	WA01276
Minnesota DOH	http://www.health.state.mn.us/accreditation	053-999-457
Nevada DEP	http://ndep.nv.gov/bsdw/labservice.htm	WA01276
New Jersey DEP	http://www.nj.gov/dep/enforcement/oqa.html	WA005
New York - DOH	https://www.wadsworth.org/regulatory/elap	12060
North Carolina DEQ	https://deq.nc.gov/about/divisions/water-resources/water-resources-data/water-sciences-home-page/laboratory-certification-branch/non-field-lab-certification	605
Oklahoma DEQ	http://www.deq.state.ok.us/CSDnew/labcert.htm	9801
Oregon – DEQ (NELAP)	http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx	WA100010
South Carolina DHEC	http://www.scdhec.gov/environment/EnvironmentalLabCertification/	61002
Texas CEQ	http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html	T104704427
Washington DOE	http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html	C544
Wyoming (EPA Region 8)	https://www.epa.gov/region8-waterops/epa-region-8-certified-drinking-water-	-
Kelso Laboratory Website	www.alsglobal.com	NA

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. A complete listing of specific NELAP-certified analytes, can be found in the certification section at www.ALSGlobal.com or at the accreditation bodies web site.
Please refer to the certification and/or accreditation body's web site if samples are submitted for compliance purposes. The states highlighted above, require the analysis be listed on the state certification if used for compliance purposes and if the method/anlayte is offered by that state.

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LOD	Limit of Detection
LOQ	Limit of Quantitation
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Client: RSEC Inc **Service Request:** K2506929
Project: Lanxess Kalama/LKC-0725

Sample Name: ISRW-1 **Date Collected:** 07/10/25
Lab Code: K2506929-001 **Date Received:** 07/11/25
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		MCRESWELL

Sample Name: ISRW-1 **Date Collected:** 07/10/25
Lab Code: K2506929-001.R01 **Date Received:** 07/11/25
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		MCRESWELL

Sample Name: ISRW-2b **Date Collected:** 07/10/25
Lab Code: K2506929-002 **Date Received:** 07/11/25
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		MCRESWELL

Sample Name: ISRW-2b **Date Collected:** 07/10/25
Lab Code: K2506929-002.R01 **Date Received:** 07/11/25
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		MCRESWELL

Sample Name: ISRW-3 **Date Collected:** 07/10/25
Lab Code: K2506929-003 **Date Received:** 07/11/25
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		MCRESWELL

Client: RSEC Inc **Service Request:** K2506929
Project: Lanxess Kalama/LKC-0725

Sample Name: ISRW-3 **Date Collected:** 07/10/25
Lab Code: K2506929-003.R01 **Date Received:** 07/11/25
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		MCRESWELL

Sample Name: ISRW-4 **Date Collected:** 07/10/25
Lab Code: K2506929-004 **Date Received:** 07/11/25
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		MCRESWELL

Sample Name: ISRW-5 **Date Collected:** 07/10/25
Lab Code: K2506929-005 **Date Received:** 07/11/25
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		MCRESWELL

Sample Name: ISRW-5 **Date Collected:** 07/10/25
Lab Code: K2506929-005.R01 **Date Received:** 07/11/25
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		MCRESWELL

Sample Name: ISRW-6 **Date Collected:** 07/10/25
Lab Code: K2506929-006 **Date Received:** 07/11/25
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		MCRESWELL

Client: RSEC Inc **Service Request:** K2506929
Project: Lanxess Kalama/LKC-0725

Sample Name: ISRW-6 **Date Collected:** 07/10/25
Lab Code: K2506929-006.R01 **Date Received:** 07/11/25
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		MCRESWELL

Sample Name: ISRW-7 **Date Collected:** 07/10/25
Lab Code: K2506929-007 **Date Received:** 07/11/25
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		MCRESWELL

Sample Name: ISRW-8 **Date Collected:** 07/10/25
Lab Code: K2506929-008 **Date Received:** 07/11/25
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		MCRESWELL

Sample Name: ISRW-8 **Date Collected:** 07/10/25
Lab Code: K2506929-008.R01 **Date Received:** 07/11/25
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		MCRESWELL

Sample Name: ISRW-9 **Date Collected:** 07/10/25
Lab Code: K2506929-009 **Date Received:** 07/11/25
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		MCRESWELL

Client: RSEC Inc **Service Request:** K2506929
Project: Lanxess Kalama/LKC-0725

Sample Name: ISRW-9 **Date Collected:** 07/10/25
Lab Code: K2506929-009.R01 **Date Received:** 07/11/25
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		MCRESWELL

Sample Name: ISRW-10 **Date Collected:** 07/10/25
Lab Code: K2506929-010 **Date Received:** 07/11/25
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		MCRESWELL

Sample Name: ISRW-10 **Date Collected:** 07/10/25
Lab Code: K2506929-010.R01 **Date Received:** 07/11/25
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		MCRESWELL

Sample Name: Trip Blanks **Date Collected:** 07/10/25
Lab Code: K2506929-011 **Date Received:** 07/11/25
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		MCRESWELL

Sample Results

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Volatile Organic Compounds by GC/MS

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Analytical Report

Client:	RSEC Inc	**Service Request:**	K2506929
Project:	Lanxess Kalama/LKC-0725	**Date Collected:**	07/10/25 09:00
Sample Matrix:	Water	**Date Received:**	07/11/25 13:35
Sample Name:	ISRW-1	**Units:**	ug/L
Lab Code:	K2506929-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Benzene	**5.2** J	20	2.5	40	07/14/25 18:02	
Toluene	**10000**	200	22	400	07/14/25 14:45	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	92	68 - 117	07/14/25 18:02	
Dibromofluoromethane	95	73 - 122	07/14/25 18:02	
Toluene-d8	94	65 - 144	07/14/25 18:02	

Analytical Report

Client:	RSEC Inc	**Service Request:**	K2506929
Project:	Lanxess Kalama/LKC-0725	**Date Collected:**	07/10/25 09:15
Sample Matrix:	Water	**Date Received:**	07/11/25 13:35
Sample Name:	ISRW-2b	**Units:**	ug/L
Lab Code:	K2506929-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Benzene	**15**	13	1.6	25	07/14/25 18:26	
Toluene	**3100**	130	14	250	07/14/25 15:09	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	68 - 117	07/14/25 18:26	
Dibromofluoromethane	99	73 - 122	07/14/25 18:26	
Toluene-d8	96	65 - 144	07/14/25 18:26	

Analytical Report

Client:	RSEC Inc	**Service Request:**	K2506929
Project:	Lanxess Kalama/LKC-0725	**Date Collected:**	07/10/25 09:30
Sample Matrix:	Water	**Date Received:**	07/11/25 13:35
Sample Name:	ISRW-3	**Units:**	ug/L
Lab Code:	K2506929-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Benzene	**35** J	50	6.2	100	07/14/25 18:51	
Toluene	**19000**	500	54	1000	07/14/25 15:34	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	91	68 - 117	07/14/25 18:51	
Dibromofluoromethane	97	73 - 122	07/14/25 18:51	
Toluene-d8	94	65 - 144	07/14/25 18:51	

Analytical Report

Client:	RSEC Inc	**Service Request:**	K2506929
Project:	Lanxess Kalama/LKC-0725	**Date Collected:**	07/10/25 09:45
Sample Matrix:	Water	**Date Received:**	07/11/25 13:35
Sample Name:	ISRW-4	**Units:**	ug/L
Lab Code:	K2506929-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Benzene	**0.38** J	0.50	0.062	1	07/14/25 15:58	
Toluene	**2.2**	0.50	0.054	1	07/14/25 15:58	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	90	68 - 117	07/14/25 15:58	
Dibromofluoromethane	98	73 - 122	07/14/25 15:58	
Toluene-d8	94	65 - 144	07/14/25 15:58	

Analytical Report

Client:	RSEC Inc	**Service Request:**	K2506929
Project:	Lanxess Kalama/LKC-0725	**Date Collected:**	07/10/25 10:00
Sample Matrix:	Water	**Date Received:**	07/11/25 13:35
Sample Name:	ISRW-5	**Units:**	ug/L
Lab Code:	K2506929-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Benzene	**18**	10	1.3	20	07/14/25 19:15	
Toluene	**11000**	100	11	200	07/14/25 16:23	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	92	68 - 117	07/14/25 19:15	
Dibromofluoromethane	99	73 - 122	07/14/25 19:15	
Toluene-d8	94	65 - 144	07/14/25 19:15	

Analytical Report

Client:	RSEC Inc	**Service Request:**	K2506929
Project:	Lanxess Kalama/LKC-0725	**Date Collected:**	07/10/25 10:15
Sample Matrix:	Water	**Date Received:**	07/11/25 13:35
Sample Name:	ISRW-6	**Units:**	ug/L
Lab Code:	K2506929-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Benzene	**8.0**	0.50	0.062	1	07/14/25 19:40	
Toluene	**250**	2.5	0.27	5	07/14/25 16:48	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	92	68 - 117	07/14/25 19:40	
Dibromofluoromethane	95	73 - 122	07/14/25 19:40	
Toluene-d8	94	65 - 144	07/14/25 19:40	

Analytical Report

Client:	RSEC Inc	**Service Request:**	K2506929
Project:	Lanxess Kalama/LKC-0725	**Date Collected:**	07/10/25 10:30
Sample Matrix:	Water	**Date Received:**	07/11/25 13:35
Sample Name:	ISRW-7	**Units:**	ug/L
Lab Code:	K2506929-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Benzene	ND U	0.50	0.062	1	07/14/25 17:12	
Toluene	**0.16 J**	0.50	0.054	1	07/14/25 17:12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	92	68 - 117	07/14/25 17:12	
Dibromofluoromethane	97	73 - 122	07/14/25 17:12	
Toluene-d8	95	65 - 144	07/14/25 17:12	

Analytical Report

Client:	RSEC Inc	**Service Request:**	K2506929
Project:	Lanxess Kalama/LKC-0725	**Date Collected:**	07/10/25 10:45
Sample Matrix:	Water	**Date Received:**	07/11/25 13:35
Sample Name:	ISRW-8	**Units:**	ug/L
Lab Code:	K2506929-008	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Benzene	**38**	25	3.1	50	07/14/25 20:05	
Toluene	**15000**	250	27	500	07/14/25 17:37	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	68 - 117	07/14/25 20:05	
Dibromofluoromethane	97	73 - 122	07/14/25 20:05	
Toluene-d8	92	65 - 144	07/14/25 20:05	

Analytical Report

Client:	RSEC Inc	**Service Request:**	K2506929
Project:	Lanxess Kalama/LKC-0725	**Date Collected:**	07/10/25 11:00
Sample Matrix:	Water	**Date Received:**	07/11/25 13:35
Sample Name:	ISRW-9	**Units:**	ug/L
Lab Code:	K2506929-009	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Benzene	**35**	25	3.1	50	07/15/25 15:46	
Toluene	**15000**	250	27	500	07/15/25 14:57	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	92	68 - 117	07/15/25 15:46	
Dibromofluoromethane	100	73 - 122	07/15/25 15:46	
Toluene-d8	95	65 - 144	07/15/25 15:46	

Analytical Report

Client:	RSEC Inc	**Service Request:**	K2506929
Project:	Lanxess Kalama/LKC-0725	**Date Collected:**	07/10/25 11:15
Sample Matrix:	Water	**Date Received:**	07/11/25 13:35
Sample Name:	ISRW-10	**Units:**	ug/L
Lab Code:	K2506929-010	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Benzene	**33** J	50	6.2	100	07/15/25 16:11	
Toluene	**23000**	500	54	1000	07/15/25 15:22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	68 - 117	07/15/25 16:11	
Dibromofluoromethane	96	73 - 122	07/15/25 16:11	
Toluene-d8	93	65 - 144	07/15/25 16:11	

Analytical Report

Client:	RSEC Inc	**Service Request:**	K2506929
Project:	Lanxess Kalama/LKC-0725	**Date Collected:**	07/10/25
Sample Matrix:	Water	**Date Received:**	07/11/25 13:35
Sample Name:	Trip Blanks	**Units:**	ug/L
Lab Code:	K2506929-011	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Benzene	ND U	0.50	0.062	1	07/17/25 11:21	
Toluene	ND U	0.50	0.054	1	07/17/25 11:21	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	92	68 - 117	07/17/25 11:21	
Dibromofluoromethane	97	73 - 122	07/17/25 11:21	
Toluene-d8	93	65 - 144	07/17/25 11:21	

QC Summary Forms

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Volatile Organic Compounds by GC/MS

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Client: RSEC Inc **Service Request:** K2506929
Project: Lanxess Kalama/LKC-0725
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Extraction Method: None

Sample Name	Lab Code	4-Bromofluorobenzene 68 - 117	Dibromofluoromethane 73 - 122	Toluene-d8 65 - 144
ISRW-1	K2506929-001	92	95	94
ISRW-2b	K2506929-002	93	99	96
ISRW-3	K2506929-003	91	97	94
ISRW-4	K2506929-004	90	98	94
ISRW-5	K2506929-005	92	99	94
ISRW-6	K2506929-006	92	95	94
ISRW-7	K2506929-007	92	97	95
ISRW-8	K2506929-008	93	97	92
ISRW-9	K2506929-009	92	100	95
ISRW-10	K2506929-010	93	96	93
Trip Blanks	K2506929-011	92	97	93
Lab Control Sample	KQ2512487-03	99	99	96
Duplicate Lab Control Sample	KQ2512487-04	96	98	95
Method Blank	KQ2512487-05	94	98	94
Lab Control Sample	KQ2512505-03	96	99	94
Duplicate Lab Control Sample	KQ2512505-04	99	95	95
Method Blank	KQ2512505-05	95	98	92
Lab Control Sample	KQ2512814-03	97	97	95
Duplicate Lab Control Sample	KQ2512814-04	97	95	96
Method Blank	KQ2512814-05	94	97	93

Analytical Report

Client:	RSEC Inc	**Service Request:**	K2506929
Project:	Lanxess Kalama/LKC-0725	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	KQ2512487-05	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Benzene	ND U	0.50	0.062	1	07/14/25 13:31	
Toluene	ND U	0.50	0.054	1	07/14/25 13:31	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	68 - 117	07/14/25 13:31	
Dibromofluoromethane	98	73 - 122	07/14/25 13:31	
Toluene-d8	94	65 - 144	07/14/25 13:31	

Analytical Report

Client:	RSEC Inc	**Service Request:**	K2506929
Project:	Lanxess Kalama/LKC-0725	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	KQ2512505-05	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Benzene	ND U	0.50	0.062	1	07/15/25 13:19	
Toluene	ND U	0.50	0.054	1	07/15/25 13:19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	68 - 117	07/15/25 13:19	
Dibromofluoromethane	98	73 - 122	07/15/25 13:19	
Toluene-d8	92	65 - 144	07/15/25 13:19	

Analytical Report

Client:	RSEC Inc	**Service Request:**	K2506929
Project:	Lanxess Kalama/LKC-0725	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	KQ2512814-05	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Benzene	ND U	0.50	0.062	1	07/17/25 10:57	
Toluene	ND U	0.50	0.054	1	07/17/25 10:57	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	68 - 117	07/17/25 10:57	
Dibromofluoromethane	97	73 - 122	07/17/25 10:57	
Toluene-d8	93	65 - 144	07/17/25 10:57	

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client:	RSEC Inc	**Service Request:**	K2506929
Project:	Lanxess Kalama/LKC-0725	**Date Analyzed:**	07/14/25
Sample Matrix:	Water	**Date Extracted:**	NA

Duplicate Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	**Units:**	ug/L
Prep Method:	None	**Basis:**	NA
		Analysis Lot:	886092

	Lab Control Sample KQ2512487-03			Duplicate Lab Control Sample KQ2512487-04					
Analyte Name	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Benzene	10.7	10.0	107	10.9	10.0	109	69-124	1	30
Toluene	9.98	10.0	100	9.99	10.0	100	69-124	<1	30

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client:	RSEC Inc	**Service Request:**	K2506929
Project:	Lanxess Kalama/LKC-0725	**Date Analyzed:**	07/15/25
Sample Matrix:	Water	**Date Extracted:**	NA

Duplicate Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	**Units:**	ug/L
Prep Method:	None	**Basis:**	NA
		Analysis Lot:	886195

	Lab Control Sample KQ2512505-03			Duplicate Lab Control Sample KQ2512505-04					
Analyte Name	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Benzene	9.94	10.0	99	10.7	10.0	107	69-124	8	30
Toluene	9.12	10.0	91	9.91	10.0	99	69-124	8	30

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client:	RSEC Inc	**Service Request:**	K2506929
Project:	Lanxess Kalama/LKC-0725	**Date Analyzed:**	07/17/25
Sample Matrix:	Water	**Date Extracted:**	NA

Duplicate Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	**Units:**	ug/L
Prep Method:	None	**Basis:**	NA
		Analysis Lot:	886486

	Lab Control Sample KQ2512814-03			Duplicate Lab Control Sample KQ2512814-04					
Analyte Name	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Benzene	10.2	10.0	102	10.3	10.0	103	69-124	2	30
Toluene	9.17	10.0	92	9.76	10.0	98	69-124	6	30

November 03, 2025 Service Request No:K2510544

Rich Truax
RSEC Inc
958 Hood View Ct.
Hood River, OR 97031

Laboratory Results for: RSEC/Lanxess

Dear Rich,

Enclosed are the results of the sample(s) submitted to our laboratory October 23, 2025
For your reference, these analyses have been assigned our service request number **K2510544.**

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current NELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. All results are intended to be considered in their entirety, and ALS Group USA Corp. dba ALS Environmental (ALS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please contact me if you have any questions. My extension is 3261. You may also contact me via email at Hayleigh.Smith@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental



Hayleigh Smith
Project Manager

ADDRESS 1317 S. 13th Avenue, Kelso, WA 98626
PHONE +1 360 577 7222 | FAX +1 360 636 1068
ALS Group USA, Corp.
dba ALS Environmental

Narrative Documents

ALS Environmental—Kelso Laboratory
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Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

1317 South 13th Ave, Kelso, WA 98626 | 1-360-577-7222 | www.alsglobal.com

Client: RSEC Inc
Project: RSEC/Lanxess
Sample Matrix: Water

Service Request: K2510544
Date Received: 10/23/2025

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier II level requested by the client.

Sample Receipt:

Ten water samples were received for analysis at ALS Environmental on 10/23/2025. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

Volatiles by GC/MS:

Benzene was flagged as outside the control criterion for Continuing Calibration Verification (CCV) KQ2519113-02. In accordance with the EPA Method, 80% or more of the CCV analytes must have passed within 20% of the true value. The remaining analytes are allowed a 40% difference as per the ALS SOP. The CCV met these criteria. No further corrective action was required.

Method 8260C, 10/28/2025: Multiple samples required dilution due to the presence of elevated levels of Benzene and/or Toluene. The reporting limits are adjusted to reflect the dilution.

Approved by Dayleigh Smith Date 11/03/2025

SAMPLE DETECTION SUMMARY

This form includes only detections above the reporting levels. For a full listing of sample results, continue to the Sample Results section of this Report.

CLIENT ID: ISRW-1			Lab ID: K2510544-001			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Benzene	4.2	J	1.3	10	ug/L	8260C
Toluene	7500		11	100	ug/L	8260C

CLIENT ID: ISRW-2b			Lab ID: K2510544-002			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Benzene	13		1.3	10	ug/L	8260C
Toluene	5400		11	100	ug/L	8260C

CLIENT ID: ISRW-3			Lab ID: K2510544-003			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Benzene	34	J	6.2	50	ug/L	8260C
Toluene	22000		54	500	ug/L	8260C

CLIENT ID: ISRW-4			Lab ID: K2510544-004			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Benzene	3.8		0.062	0.50	ug/L	8260C
Toluene	27		0.054	0.50	ug/L	8260C

CLIENT ID: ISRW-5			Lab ID: K2510544-005			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Benzene	6.5	J	3.1	25	ug/L	8260C
Toluene	560		2.7	25	ug/L	8260C

CLIENT ID: ISRW-6			Lab ID: K2510544-006			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Benzene	2.6		0.062	0.50	ug/L	8260C
Toluene	11		0.054	0.50	ug/L	8260C

CLIENT ID: ISRW-8			Lab ID: K2510544-008			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Benzene	30		3.1	25	ug/L	8260C
Toluene	14000		27	250	ug/L	8260C

CLIENT ID: ISRW-9			Lab ID: K2510544-009			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Benzene	30		3.1	25	ug/L	8260C
Toluene	22000		27	250	ug/L	8260C

CLIENT ID: ISRW-10			Lab ID: K2510544-010			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Benzene	50	J	13	100	ug/L	8260C
Toluene	33000		110	1000	ug/L	8260C

SAMPLE DETECTION SUMMARY

This form includes only detections above the reporting levels. For a full listing of sample results, continue to the Sample Results section of this Report.

CLIENT ID: ISRW-7			Lab ID: K2510544-007			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Toluene	0.13	J	0.054	0.50	ug/L	8260C

Sample Receipt Information

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Client: RSEC Inc **Service Request:**K2510544
Project: RSEC/Lanxess/LKC-1025

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
K2510544-001	ISRW-1	10/23/2025	0900
K2510544-002	ISRW-2b	10/23/2025	0915
K2510544-003	ISRW-3	10/23/2025	0930
K2510544-004	ISRW-4	10/23/2025	0945
K2510544-005	ISRW-5	10/23/2025	1000
K2510544-006	ISRW-6	10/23/2025	1015
K2510544-007	ISRW-7	10/23/2025	1030
K2510544-008	ISRW-8	10/23/2025	1045
K2510544-009	ISRW-9	10/23/2025	1100
K2510544-010	ISRW-10	10/23/2025	1115

CHAIN OF CUSTODY

1317 South 13th Ave., Kelso, WA 98626 | +1 360 577 7222 | +1 800 695 7222 | +1 360 636 1068 (fax)

PAGE 1 OF 1 SR# 1N2510544 COC#

PROJECT NAME: RSEC/Lanxess
PROJECT NUMBER: LKC-1025
PROJECT MANAGER: Rich Trulx
COMPANY NAME: RSEC
ADDRESS: 958 Hood View Ct.
CITY/STATE/ZIP: Hood River, OR 97031
E-MAIL ADDRESS: rsec.richa@outlook.com
PHONE #: 541.490.4223 FAX #:
SAMPLER'S SIGNATURE:

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	NUMBER OF CONTAINERS	REMARKS
ISRW-1	10/23/25	0900		GW	3	Benz + Toluene
ISRW-2b	"	0915		"	"	
ISRW-3	"	0930		"	"	
ISRW-4	"	0945		"	"	
ISRW-5	"	1000		"	"	
ISRW-6	"	1015		"	"	
ISRW-7	"	1030		"	"	
ISRW-8	"	1045		"	"	
ISRW-9	"	1100		"	"	
ISRW-10	"	1115		"	"	

Semivolatile Organics by GC/MS 625☐ 8270☐ SIM PAH☐
Volatile Organics 624☐ 8270LL☐ 8260X 8021☐ BTEX☐
Hydrocarbons (*see below) Gas☐ Diesel☐ Oil☐
Oil & Grease/TRPH 1664 HEM☐ 1664 SGT☐
PCBs Aroclors☐ Congeners☐
Pesticides/Herbicides 608☐ 8081☐ 8141☐ 8151☐
Chlorophenolics - 8151M Tri☐ Tetra☐ PCP☐
Metals, Total or Dissolved (See List below)
Cyanide☐ Hex-Chrom☐
(circle) pH, Cond., Cl, SO_4, PO_4, F, NO_2, NO_3, BOD, TSS, TDS, Turb.
(circle) NH_3-N, COD, TKN, TOC, DOC, NO_2+NO_3, T-Phos
TOX 9020☐ AOX 1650☐ 506☐
Alkalinity ☐ CO_3☐ HCO_3☐
Dioxins/Furans 1613☐ 8290☐
Dissolved Gases CO_2☐ RSK 175☐ Methane☐ Ethane☐ Ethene☐

REPORT REQUIREMENTS

- X I. Routine Report: Method Blank, Surrogate, as required
- ___ II. Report Dup., MS, MSD as required
- ___ III. CLP Like Summary (no raw data)
- ___ IV. Data Validation Report
- ___ V. EDD

INVOICE INFORMATION

P.O. # LKC-1025
Bill To:
rsec.richa@outlook.com

TURNAROUND REQUIREMENTS

___ 24 hr. ___ 48 hr.
___ 5 day
X Standard (15 working days)
___ Provide FAX Results

Requested Report Date

Circle which metals are to be analyzed:

Total Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Tl Sn V Zn Hg

Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Tl Sn V Zn Hg

*INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: _____ (CIRCLE ONE)

SPECIAL INSTRUCTIONS/COMMENTS:

MDL reporting please

☐ Sample Shipment contains USDA regulated soil samples (check box if applicable)

RELINQUISHED BY:		RECEIVED BY:		RELINQUISHED BY:		RECEIVED BY:	
Signature	Date/Time 10/23/25 1329	Signature	Date/Time 10/23/25 1329	Signature	Date/Time	Signature	Date/Time
Printed Name	Firm RSEC	Printed Name Nerak Patterson	Firm ALS	Printed Name	Firm	Printed Name	Firm

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Cooler Receipt and Preservation Form

PM LH

Client BSEC Service Request K25 10544

Received: 10/23/25 Opened: 10/23/25 By: KM Unloaded: 10/23/25 By: KM

1. Samples were received via? *USPS* *Fed Ex* *UPS* *DHL* *PDX* *Courier* *Hand Delivered*
2. Samples were received in: (circle) *Cooler* *Box* *Envelope* *Other* _____ *NA*
3. Were custody seals on coolers? NA Y N If yes, how many and where? _____
   If present, were custody seals intact? Y N If present, were they signed and dated? Y N

Temp Blank	Sample Temp	IR Gun	Cooler #/COC ID / NA	Out of temp Indicate with "X"	PM Notified If out of temp	Tracking Number NA	Filed
	8.7	IR02					

4. Was a Temperature Blank present in cooler? NA Y N If yes, notate the temperature in the appropriate column below:
   If no, take the temperature of a representative sample bottle contained within the cooler; notate in the column "Sample Temp":
5. Were samples received within the method specified temperature ranges? NA Y N
   If no, were they received on ice and same day as collected? If not, notate the cooler # below and notify the PM. NA Y N

If applicable, tissue samples were received: *Frozen* *Partially Thawed* *Thawed*

6. Packing material: *Inserts* *Baggies* *Bubble Wrap* *Gel Packs* *Wet Ice* *Dry Ice* *Sleeves* _____
7. Were custody papers properly filled out (ink, signed, etc.)? NA Y N
8. Were samples received in good condition (unbroken) NA Y N
9. Were all sample labels complete (ie, analysis, preservation, etc.)? NA Y N
10. Did all sample labels and tags agree with custody papers? NA Y N
11. Were appropriate bottles/containers and volumes received for the tests indicated? NA Y N
12. Were the pH-preserved bottles (*see SMO GEN SOP*) received at the appropriate pH? *Indicate in the table below* NA Y N
13. Were VOA vials received without headspace? *Indicate in the table below.* NA Y N
14. Was Cl2/Res negative? NA Y N
15. Were samples received within method specified time limit? If not, notate the error below and notify the PM. NA Y N
16. Were 100mL sterile microbiology bottles filled exactly to the 100mL mark? NA Y N Underfilled Overfilled

Sample ID on Bottle	Sample ID on COC	Identified by:

Sample ID	Bottle Count Bottle Type	Head-space	Broke	pH	Reagent	Volume added	Reagent Lot Number	Initials	Time

Notes, Discrepancies, Resolutions: _____

Miscellaneous Forms

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Inorganic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated value.
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
i	The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
X	See case narrative.
Q	See case narrative. One or more quality control criteria was outside the limits.
H	The holding time for this test is immediately following sample collection. The samples were analyzed as soon as possible after receipt by the laboratory.

Metals Data Qualifiers

#	The control limit criteria is not applicable.
J	The result is an estimated value.
E	The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
M	The duplicate injection precision was not met.
N	The Matrix Spike sample recovery is not within control limits. See case narrative.
S	The reported value was determined by the Method of Standard Additions (MSA).
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
W	The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
i	The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
X	See case narrative.
+	The correlation coefficient for the MSA is less than 0.995.
Q	See case narrative. One or more quality control criteria was outside the limits.

Organic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
A	A tentatively identified compound, a suspected aldol-condensation product.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
C	The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
D	The reported result is from a dilution.
E	The result is an estimated value over the calibration range.
J	The result is an estimated value between the MDL and the MRL.
N	The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
P	The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results.
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
i	The MRL/MDL or LOQ/LOD is elevated due to a chromatographic interference.
X	See case narrative.
Q	See case narrative. One or more quality control criteria was outside the limits.

Additional Petroleum Hydrocarbon Specific Qualifiers

F	The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
L	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
H	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
O	The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
Y	The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
Z	The chromatographic fingerprint does not resemble a petroleum product.

ALS Group USA Corp. dba ALS Environmental (ALS) - Kelso
State Certifications, Accreditations, and Licenses

Agency	Web Site	Number
Alaska DEH	http://dec.alaska.gov/eh/lab/cs/csapproval.htm	UST-040
Arizona DHS	http://www.azdhs.gov/lab/license/env.htm	AZ0339
Arkansas - DEQ	http://www.adeq.state.ar.us/techsvs/labcert.htm	88-0637
California DHS (ELAP)	http://www.cdph.ca.gov/certlic/labs/Pages/ELAP.aspx	2795
DOD ELAP	http://www.denix.osd.mil/edqw/Accreditation/AccreditedLabs.cfm	L16-58-R4
Florida DOH	http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm	E87412
Hawaii DOH	http://health.hawaii.gov/	-
ISO 17025	http://www.pjlabs.com/	L16-57
Louisiana DEQ	http://www.deq.louisiana.gov/page/la-lab-accreditation	03016
Maine DHS	http://www.maine.gov/dhhs/	WA01276
Minnesota DOH	http://www.health.state.mn.us/accreditation	053-999-457
Nevada DEP	http://ndep.nv.gov/bsdw/labservice.htm	WA01276
New Jersey DEP	http://www.nj.gov/dep/enforcement/oqa.html	WA005
New York - DOH	https://www.wadsworth.org/regulatory/elap	12060
North Carolina DEQ	https://deq.nc.gov/about/divisions/water-resources/water-resources-data/water-sciences-home-page/laboratory-certification-branch/non-field-lab-certification	605
Oklahoma DEQ	http://www.deq.state.ok.us/CSDnew/labcert.htm	9801
Oregon – DEQ (NELAP)	http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx	WA100010
South Carolina DHEC	http://www.scdhec.gov/environment/EnvironmentalLabCertification/	61002
Texas CEQ	http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html	T104704427
Washington DOE	http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html	C544
Wyoming (EPA Region 8)	https://www.epa.gov/region8-waterops/epa-region-8-certified-drinking-water-	-
Kelso Laboratory Website	www.alsglobal.com	NA

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. A complete listing of specific NELAP-certified analytes, can be found in the certification section at www.ALSGlobal.com or at the accreditation bodies web site.
Please refer to the certification and/or accreditation body's web site if samples are submitted for compliance purposes. The states highlighted above, require the analysis be listed on the state certification if used for compliance purposes and if the method/anlayte is offered by that state.

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LOD	Limit of Detection
LOQ	Limit of Quantitation
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Client: RSEC Inc **Service Request:** K2510544
Project: RSEC/Lanxess/LKC-1025

Sample Name: ISRW-1 **Date Collected:** 10/23/25
Lab Code: K2510544-001 **Date Received:** 10/23/25
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		EWANOUS

Sample Name: ISRW-1 **Date Collected:** 10/23/25
Lab Code: K2510544-001.R01 **Date Received:** 10/23/25
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		EWANOUS

Sample Name: ISRW-2b **Date Collected:** 10/23/25
Lab Code: K2510544-002 **Date Received:** 10/23/25
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		EWANOUS

Sample Name: ISRW-2b **Date Collected:** 10/23/25
Lab Code: K2510544-002.R01 **Date Received:** 10/23/25
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		EWANOUS

Sample Name: ISRW-3 **Date Collected:** 10/23/25
Lab Code: K2510544-003 **Date Received:** 10/23/25
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		EWANOUS

Client: RSEC Inc **Service Request:** K2510544
Project: RSEC/Lanxess/LKC-1025

Sample Name: ISRW-3 **Date Collected:** 10/23/25
Lab Code: K2510544-003.R01 **Date Received:** 10/23/25
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		EWANOUS

Sample Name: ISRW-4 **Date Collected:** 10/23/25
Lab Code: K2510544-004 **Date Received:** 10/23/25
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		EWANOUS

Sample Name: ISRW-5 **Date Collected:** 10/23/25
Lab Code: K2510544-005 **Date Received:** 10/23/25
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		MCRESWELL

Sample Name: ISRW-5 **Date Collected:** 10/23/25
Lab Code: K2510544-005.R01 **Date Received:** 10/23/25
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		EWANOUS

Sample Name: ISRW-5 **Date Collected:** 10/23/25
Lab Code: K2510544-005.R02 **Date Received:** 10/23/25
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		EWANOUS

Client: RSEC Inc **Service Request:** K2510544
Project: RSEC/Lanxess/LKC-1025

Sample Name: ISRW-6 **Date Collected:** 10/23/25
Lab Code: K2510544-006 **Date Received:** 10/23/25
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		EWANOUS

Sample Name: ISRW-7 **Date Collected:** 10/23/25
Lab Code: K2510544-007 **Date Received:** 10/23/25
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		EWANOUS

Sample Name: ISRW-8 **Date Collected:** 10/23/25
Lab Code: K2510544-008 **Date Received:** 10/23/25
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		EWANOUS

Sample Name: ISRW-8 **Date Collected:** 10/23/25
Lab Code: K2510544-008.R01 **Date Received:** 10/23/25
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		EWANOUS

Sample Name: ISRW-9 **Date Collected:** 10/23/25
Lab Code: K2510544-009 **Date Received:** 10/23/25
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		EWANOUS

Client:	RSEC Inc	**Service Request:**	K2510544
Project:	RSEC/Lanxess/LKC-1025		

Sample Name:	ISRW-9	**Date Collected:**	10/23/25
Lab Code:	K2510544-009.R01	**Date Received:**	10/23/25
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		EWANOUS

Sample Name:	ISRW-10	**Date Collected:**	10/23/25
Lab Code:	K2510544-010	**Date Received:**	10/23/25
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		EWANOUS

Sample Name:	ISRW-10	**Date Collected:**	10/23/25
Lab Code:	K2510544-010.R01	**Date Received:**	10/23/25
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		EWANOUS

Sample Results

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Volatile Organic Compounds by GC/MS

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Analytical Report

Client:	RSEC Inc	**Service Request:**	K2510544
Project:	RSEC/Lanxess/LKC-1025	**Date Collected:**	10/23/25 09:00
Sample Matrix:	Water	**Date Received:**	10/23/25 13:29
Sample Name:	ISRW-1	**Units:**	ug/L
Lab Code:	K2510544-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Benzene	**4.2 J**	10	1.3	20	10/28/25 17:18	*
Toluene	**7500**	100	11	200	10/28/25 14:27	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	68 - 117	10/28/25 17:18	
Dibromofluoromethane	92	73 - 122	10/28/25 17:18	
Toluene-d8	99	65 - 144	10/28/25 17:18	

Analytical Report

Client:	RSEC Inc	**Service Request:**	K2510544
Project:	RSEC/Lanxess/LKC-1025	**Date Collected:**	10/23/25 09:15
Sample Matrix:	Water	**Date Received:**	10/23/25 13:29
Sample Name:	ISRW-2b	**Units:**	ug/L
Lab Code:	K2510544-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Benzene	**13**	10	1.3	20	10/28/25 17:42	*
Toluene	**5400**	100	11	200	10/28/25 14:51	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	68 - 117	10/28/25 17:42	
Dibromofluoromethane	94	73 - 122	10/28/25 17:42	
Toluene-d8	100	65 - 144	10/28/25 17:42	

Analytical Report

Client:	RSEC Inc	**Service Request:**	K2510544
Project:	RSEC/Lanxess/LKC-1025	**Date Collected:**	10/23/25 09:30
Sample Matrix:	Water	**Date Received:**	10/23/25 13:29
Sample Name:	ISRW-3	**Units:**	ug/L
Lab Code:	K2510544-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Benzene	**34** J	50	6.2	100	10/28/25 18:07	*
Toluene	**22000**	500	54	1000	10/28/25 15:16	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	68 - 117	10/28/25 18:07	
Dibromofluoromethane	94	73 - 122	10/28/25 18:07	
Toluene-d8	98	65 - 144	10/28/25 18:07	

Analytical Report

Client:	RSEC Inc	**Service Request:**	K2510544
Project:	RSEC/Lanxess/LKC-1025	**Date Collected:**	10/23/25 09:45
Sample Matrix:	Water	**Date Received:**	10/23/25 13:29
Sample Name:	ISRW-4	**Units:**	ug/L
Lab Code:	K2510544-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Benzene	**3.8**	0.50	0.062	1	10/28/25 13:14	*
Toluene	**27**	0.50	0.054	1	10/28/25 13:14	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	68 - 117	10/28/25 13:14	
Dibromofluoromethane	96	73 - 122	10/28/25 13:14	
Toluene-d8	101	65 - 144	10/28/25 13:14	

Analytical Report

Client:	RSEC Inc	**Service Request:**	K2510544
Project:	RSEC/Lanxess/LKC-1025	**Date Collected:**	10/23/25 10:00
Sample Matrix:	Water	**Date Received:**	10/23/25 13:29
Sample Name:	ISRW-5	**Units:**	ug/L
Lab Code:	K2510544-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Benzene	**6.5** **J**	25	3.1	50	10/31/25 18:20	
Toluene	**560**	25	2.7	50	10/31/25 18:20	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	107	68 - 117	10/31/25 18:20	
Dibromofluoromethane	92	73 - 122	10/31/25 18:20	
Toluene-d8	98	65 - 144	10/31/25 18:20	

Analytical Report

Client:	RSEC Inc	**Service Request:**	K2510544
Project:	RSEC/Lanxess/LKC-1025	**Date Collected:**	10/23/25 10:15
Sample Matrix:	Water	**Date Received:**	10/23/25 13:29
Sample Name:	ISRW-6	**Units:**	ug/L
Lab Code:	K2510544-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Benzene	**2.6**	0.50	0.062	1	10/28/25 13:39	*
Toluene	**11**	0.50	0.054	1	10/28/25 13:39	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	68 - 117	10/28/25 13:39	
Dibromofluoromethane	93	73 - 122	10/28/25 13:39	
Toluene-d8	100	65 - 144	10/28/25 13:39	

Analytical Report

Client:	RSEC Inc	**Service Request:**	K2510544
Project:	RSEC/Lanxess/LKC-1025	**Date Collected:**	10/23/25 10:30
Sample Matrix:	Water	**Date Received:**	10/23/25 13:29
Sample Name:	ISRW-7	**Units:**	ug/L
Lab Code:	K2510544-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Benzene	ND U	0.50	0.062	1	10/28/25 14:03	*
Toluene	**0.13 J**	0.50	0.054	1	10/28/25 14:03	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	68 - 117	10/28/25 14:03	
Dibromofluoromethane	92	73 - 122	10/28/25 14:03	
Toluene-d8	101	65 - 144	10/28/25 14:03	

Analytical Report

Client:	RSEC Inc	**Service Request:**	K2510544
Project:	RSEC/Lanxess/LKC-1025	**Date Collected:**	10/23/25 10:45
Sample Matrix:	Water	**Date Received:**	10/23/25 13:29
Sample Name:	ISRW-8	**Units:**	ug/L
Lab Code:	K2510544-008	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Benzene	**30**	25	3.1	50	10/28/25 18:55	*
Toluene	**14000**	250	27	500	10/28/25 16:04	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	68 - 117	10/28/25 18:55	
Dibromofluoromethane	92	73 - 122	10/28/25 18:55	
Toluene-d8	99	65 - 144	10/28/25 18:55	

Analytical Report

Client:	RSEC Inc	**Service Request:**	K2510544
Project:	RSEC/Lanxess/LKC-1025	**Date Collected:**	10/23/25 11:00
Sample Matrix:	Water	**Date Received:**	10/23/25 13:29
Sample Name:	ISRW-9	**Units:**	ug/L
Lab Code:	K2510544-009	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Benzene	**30**	25	3.1	50	10/28/25 19:20	*
Toluene	**22000**	250	27	500	10/28/25 16:29	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	68 - 117	10/28/25 19:20	
Dibromofluoromethane	91	73 - 122	10/28/25 19:20	
Toluene-d8	98	65 - 144	10/28/25 19:20	

Analytical Report

Client:	RSEC Inc	**Service Request:**	K2510544
Project:	RSEC/Lanxess/LKC-1025	**Date Collected:**	10/23/25 11:15
Sample Matrix:	Water	**Date Received:**	10/23/25 13:29
Sample Name:	ISRW-10	**Units:**	ug/L
Lab Code:	K2510544-010	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Benzene	**50** J	100	13	200	10/28/25 19:44	*
Toluene	**33000**	1000	110	2000	10/28/25 16:53	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	68 - 117	10/28/25 19:44	
Dibromofluoromethane	92	73 - 122	10/28/25 19:44	
Toluene-d8	98	65 - 144	10/28/25 19:44	

QC Summary Forms

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Volatile Organic Compounds by GC/MS

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Client: RSEC Inc **Service Request:** K2510544
Project: RSEC/Lanxess/LKC-1025
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Extraction Method: None

Sample Name	Lab Code	4-Bromofluorobenzene 68 - 117	Dibromofluoromethane 73 - 122	Toluene-d8 65 - 144
ISRW-1	K2510544-001	99	92	99
ISRW-2b	K2510544-002	100	94	100
ISRW-3	K2510544-003	100	94	98
ISRW-4	K2510544-004	96	96	101
ISRW-5	K2510544-005	107	92	98
ISRW-6	K2510544-006	97	93	100
ISRW-7	K2510544-007	95	92	101
ISRW-8	K2510544-008	98	92	99
ISRW-9	K2510544-009	96	91	98
ISRW-10	K2510544-010	99	92	98
Lab Control Sample	KQ2519113-03	103	97	101
Duplicate Lab Control Sample	KQ2519113-04	102	98	102
Method Blank	KQ2519113-05	99	95	99
Lab Control Sample	KQ2519425-03	108	96	101
Duplicate Lab Control Sample	KQ2519425-04	107	97	100
Method Blank	KQ2519425-05	107	93	101

Analytical Report

Client:	RSEC Inc	**Service Request:**	K2510544
Project:	RSEC/Lanxess/LKC-1025	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	KQ2519113-05	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Benzene	ND U	0.50	0.062	1	10/28/25 12:50	
Toluene	ND U	0.50	0.054	1	10/28/25 12:50	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	68 - 117	10/28/25 12:50	
Dibromofluoromethane	95	73 - 122	10/28/25 12:50	
Toluene-d8	99	65 - 144	10/28/25 12:50	

Analytical Report

Client:	RSEC Inc	**Service Request:**	K2510544
Project:	RSEC/Lanxess/LKC-1025	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	KQ2519425-05	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Benzene	ND U	0.50	0.062	1	10/31/25 17:56	
Toluene	ND U	0.50	0.054	1	10/31/25 17:56	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	107	68 - 117	10/31/25 17:56	
Dibromofluoromethane	93	73 - 122	10/31/25 17:56	
Toluene-d8	101	65 - 144	10/31/25 17:56	

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client:	RSEC Inc	**Service Request:**	K2510544
Project:	RSEC/Lanxess/LKC-1025	**Date Analyzed:**	10/28/25
Sample Matrix:	Water	**Date Extracted:**	NA

Duplicate Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	**Units:**	ug/L
Prep Method:	None	**Basis:**	NA
		Analysis Lot:	898631

	Lab Control Sample KQ2519113-03			Duplicate Lab Control Sample KQ2519113-04					
Analyte Name	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Benzene	12.4	10.0	124	11.8	10.0	118	69-124	5	30
Toluene	11.8	10.0	118	11.2	10.0	112	69-124	6	30

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client:	RSEC Inc	**Service Request:**	K2510544
Project:	RSEC/Lanxess/LKC-1025	**Date Analyzed:**	10/31/25
Sample Matrix:	Water	**Date Extracted:**	NA

Duplicate Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	**Units:**	ug/L
Prep Method:	None	**Basis:**	NA
		Analysis Lot:	899264

	Lab Control Sample KQ2519425-03			Duplicate Lab Control Sample KQ2519425-04					
Analyte Name	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Benzene	11.1	10.0	111	11.6	10.0	116	69-124	5	30
Toluene	10.4	10.0	104	11.0	10.0	110	69-124	6	30

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November 04, 2025

Analytical Report for Service Request No: K2510253

Rich Truax
RSEC Inc
958 Hood View Ct.
Hood River, OR 97031

RE: Lanxess/RSEC

Dear Rich,

Enclosed are the results of the sample(s) submitted to our laboratory October 15, 2025
For your reference, these analyses have been assigned our service request number **K2510253.**

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current NELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. All results are intended to be considered in their entirety, and ALS Group USA Corp. dba ALS Environmental (ALS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please contact me if you have any questions. My extension is 3260. You may also contact me via email at Luke.Rahn@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

for Luke Rahn
Project Manager

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Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LOD	Limit of Detection
LOQ	Limit of Quantitation
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Inorganic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated value.
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
i	The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
X	See case narrative.
Q	See case narrative. One or more quality control criteria was outside the limits.
H	The holding time for this test is immediately following sample collection. The samples were analyzed as soon as possible after receipt by the laboratory.

Metals Data Qualifiers

#	The control limit criteria is not applicable.
J	The result is an estimated value.
E	The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
M	The duplicate injection precision was not met.
N	The Matrix Spike sample recovery is not within control limits. See case narrative.
S	The reported value was determined by the Method of Standard Additions (MSA).
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
W	The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
i	The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
X	See case narrative.
+	The correlation coefficient for the MSA is less than 0.995.
Q	See case narrative. One or more quality control criteria was outside the limits.

Organic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
A	A tentatively identified compound, a suspected aldol-condensation product.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
C	The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
D	The reported result is from a dilution.
E	The result is an estimated value.
J	The result is an estimated value.
N	The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
P	The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results.
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
i	The MRL/MDL or LOQ/LOD is elevated due to a chromatographic interference.
X	See case narrative.
Q	See case narrative. One or more quality control criteria was outside the limits.

Additional Petroleum Hydrocarbon Specific Qualifiers

F	The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
L	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
H	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
O	The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
Y	The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
Z	The chromatographic fingerprint does not resemble a petroleum product.

ALS Group USA Corp. dba ALS Environmental (ALS) - Kelso
State Certifications, Accreditations, and Licenses

Agency	Web Site	Number
Alaska DEH	http://dec.alaska.gov/eh/lab/cs/csapproval.htm	UST-040
Arizona DHS	http://www.azdhs.gov/lab/license/env.htm	AZ0339
Arkansas - DEQ	http://www.adeq.state.ar.us/techsvs/labcert.htm	88-0637
California DHS (ELAP)	http://www.cdph.ca.gov/certlic/labs/Pages/ELAP.aspx	2795
DOD ELAP	http://www.denix.osd.mil/edqw/Accreditation/AccreditedLabs.cfm	L16-58-R4
Florida DOH	http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm	E87412
Hawaii DOH	http://health.hawaii.gov/	-
ISO 17025	http://www.pjlabs.com/	L16-57
Louisiana DEQ	http://www.deq.louisiana.gov/page/la-lab-accreditation	03016
Maine DHS	http://www.maine.gov/dhhs/	WA01276
Minnesota DOH	http://www.health.state.mn.us/accreditation	053-999-457
Nevada DEP	http://ndep.nv.gov/bsdw/labservice.htm	WA01276
New Jersey DEP	http://www.nj.gov/dep/enforcement/oqa.html	WA005
New York - DOH	https://www.wadsworth.org/regulatory/elap	12060
North Carolina DEQ	https://deq.nc.gov/about/divisions/water-resources/water-resources-data/water-sciences-home-page/laboratory-certification-branch/non-field-lab-certification	605
Oklahoma DEQ	http://www.deq.state.ok.us/CSDnew/labcert.htm	9801
Oregon – DEQ (NELAP)	http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx	WA100010
South Carolina DHEC	http://www.scdhec.gov/environment/EnvironmentalLabCertification/	61002
Texas CEQ	http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html	T104704427
Washington DOE	http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html	C544
Wyoming (EPA Region 8)	https://www.epa.gov/region8-waterops/epa-region-8-certified-drinking-water-	-
Kelso Laboratory Website	www.alsglobal.com	NA

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. A complete listing of specific NELAP-certified analytes, can be found in the certification section at www.ALSGlobal.com or at the accreditation bodies web site.
Please refer to the certification and/or accreditation body's web site if samples are submitted for compliance purposes. The states highlighted above, require the analysis be listed on the state certification if used for compliance purposes and if the method/anlayte is offered by that state.

Case Narrative

ALS Environmental—Kelso Laboratory
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Phone (360)577-7222 Fax (360)636-1068
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Client: RSEC Inc
Project: Lanxess/RSEC
Sample Matrix: Ground Water

Service Request: K2510253
Date Received: 10/15/2025

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier II level requested by the client.

Sample Receipt:

Three ground water samples were received for analysis at ALS Environmental on 10/15/2025. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

Semivolatiles by GC/MS:

The reporting limit was elevated for Biphenyl in both samples due to less than optimal volume extracted for analysis, in accordance with instructions.

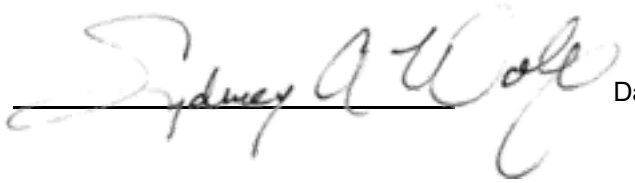
Method 8270D, 10/27/2025: The analysis of both samples for Biphenyl was initially performed within the recommended holding time. However, the matrix spike containing the target analyte was not included in the QCs for the original extraction batch. The samples were re-extracted with appropriately spiked QCs 1 day past the recommended holding time and reanalyzed. The results from the reanalysis were reported. The data was flagged to indicate the holding time exceedance.

Subcontracted Analytical Parameters:

Diphenyl Ether
This analysis was performed at ALS Environmental Waterloo in Ontario, Canada. The data for this analysis is included in the corresponding section of this report.

Volatiles by GC/MS:

No significant anomalies were noted with this analysis.

Approved by  Date 11/04/2025

Chain of Custody

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CHAIN OF CUSTODY

SR# K2510253

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PAGE 1 OF 1 COC#

PROJECT NAME: LanXess / RSEC
PROJECT NUMBER: LKC-1025
PROJECT MANAGER: Rich Trusx
COMPANY NAME: RSEC
ADDRESS: 958 Hood View Ct
CITY/STATE/ZIP: Hood River, OR 97031
E-MAIL ADDRESS: rsec.richa@outlook.com
PHONE #: 541.490.4223 FAX #:
SAMPLER'S SIGNATURE:

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	NUMBER OF CONTAINERS	Semivolatile Organics by GC/MS 625☐ 8270X 8270LL☐ SIM PAH☐	Volatile Organics 624☐ 8260X 8021☐ BTEX☐	Hydrocarbons (*see below) Gas☐ Diesel☐ Oil☐	Oil & Grease/TRPH 1664 HEM☐ 1664 SGT☐	PCBs Aroclors☐ Congeners☐	Pesticides/Herbicides 608☐ 8081☐ 8141☐ 8151☐	Chlorophenolics - 8151M Tri☐ Tetra☐ PCP☐	Metals, Total or Dissolved (See List below)	Cyanide☐ Hex-Chrom☐	(circle) pH, Cond., Cl, SO_4, PO_4, F, NO_2, NO_3, BOD, TSS, TDS, Turb.	(circle) NH_3-N, COD, TKN, TOC, DOC, NO_2+NO_3, T-Phos	TOX 9020☐ AOX 1650☐ 506☐	Alkalinity ☐ CO_3☐ HCO_3☐	Dioxins/Furans 1613☐ 8290☐	Dissolved Gases RSK 175☐ CO_2☐ Methane☐ Ethane☐ Ethene☐	REMARKS
NIA-W	10/15/25	1200		GW	5	X	X															
NIA-E	— " —	1230		GW	5	X	X															

REPORT REQUIREMENTS

- X I. Routine Report: Method Blank, Surrogate, as required
- ___ II. Report Dup., MS, MSD as required
- ___ III. CLP Like Summary (no raw data)
- ___ IV. Data Validation Report
- ___ V. EDD

INVOICE INFORMATION

P.O. # LKC-1025
Bill To: rsec.richa@outlook.com

TURNAROUND REQUIREMENTS

- ___ 24 hr. ___ 48 hr.
- ___ 5 day
- X Standard (15 working days)
- ___ Provide FAX Results

Requested Report Date

Circle which metals are to be analyzed:

Total Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Tl Sn V Zn Hg

Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Tl Sn V Zn Hg

*INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: _____ (CIRCLE ONE)

SPECIAL INSTRUCTIONS/COMMENTS:

8260 benzene + toluene - UG MDL reporting please.

8270 biphenyl + diphenyl ether (DPO)

☐ Sample Shipment contains USDA regulated soil samples (check box if applicable)

RELINQUISHED BY:		RECEIVED BY:		RELINQUISHED BY:		RECEIVED BY:	
Signature	Date/Time: 10/15/25 1423	Signature	Date/Time: 10/15/25 1423	Signature	Date/Time	Signature	Date/Time
Printed Name: Rich Trusx	Firm: RSEC	Printed Name: Derek Patterson	Firm: ALS	Printed Name	Firm	Printed Name	Firm

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Cooler Receipt and Preservation Form

PM_____

Client Lanxess Service Request K25

Received: 10-15-25 Opened: 10-15-25 By: IR Unloaded: 10-15-25 By: IR

1. Samples were received via? *USPS* *Fed Ex* *UPS* *DHL* *PDX* *Courier* *Hand Delivered*
2. Samples were received in: (circle) *Cooler* *Box* *Envelope* *Other*_____ *NA*
3. Were custody seals on coolers? NA Y N If yes, how many and where? _____
   If present, were custody seals intact? Y N If present, were they signed and dated? Y N

Temp Blank	Sample Temp	IR Gun	Cooler #/COC ID / NA	Out of temp indicate with "X"	PM Notified If out of temp	Tracking Number NA	Filed
14.1	12.0	IR-02					

4. Was a Temperature Blank present in cooler? NA (Y) N If yes, notate the temperature in the appropriate column below:
   If no, take the temperature of a representative sample bottle contained within the cooler; notate in the column "Sample Temp":
5. Were samples received within the method specified temperature ranges? NA Y (N)
   If no, were they received on ice and same day as collected? If not, notate the cooler # below and notify the PM. NA (Y) N

If applicable, tissue samples were received: *Frozen* *Partially Thawed* *Thawed*

6. Packing material: *Inserts* (*Baggies*) *Bubble Wrap* *Gel Packs* (*Wet Ice*) *Dry Ice* *Sleeves* _____
7. Were custody papers properly filled out (ink, signed, etc.)? NA (Y) N
8. Were samples received in good condition (unbroken) NA (Y) N
9. Were all sample labels complete (ie, analysis, preservation, etc.)? NA (Y) N
10. Did all sample labels and tags agree with custody papers? NA (Y) N
11. Were appropriate bottles/containers and volumes received for the tests indicated? NA (Y) N
12. Were the pH-preserved bottles (*see SMO GEN SOP*) received at the appropriate pH? *Indicate in the table below* (NA) Y N
13. Were VOA vials received without headspace? *Indicate in the table below.* NA (Y) N
14. Was C12/Res negative? (NA) Y N
15. Were samples received within method specified time limit? If not, notate the error below and notify the PM. (NA) Y N
16. Were 100mL sterile microbiology bottles filled exactly to the 100mL mark? (NA) Y N Underfilled Overfilled

Sample ID on Bottle	Sample ID on COC	Identified by:

Sample ID	Bottle Count Bottle Type	Head-space	Broke	pH	Reagent	Volume added	Reagent Lot Number	Initials	Time

Notes, Discrepancies, Resolutions: Received 2 Trip blanks not on CoC

Volatile Organic Compounds by GC/MS

ALS Environmental—Kelso Laboratory
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Phone (360)577-7222 Fax (360)636-1068
www.alsglobal.com

Analytical Report

Client:	RSEC Inc	**Service Request:**	K2510253
Project:	Lanxess/RSEC	**Date Collected:**	10/15/25 12:00
Sample Matrix:	Ground Water	**Date Received:**	10/15/25 14:23
Sample Name:	NIA-W	**Units:**	ug/L
Lab Code:	K2510253-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Benzene	**0.62**	0.50	0.062	1	10/20/25 17:32	
Toluene	**0.11 J**	0.50	0.054	1	10/20/25 17:32	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	68 - 117	10/20/25 17:32	
Dibromofluoromethane	98	73 - 122	10/20/25 17:32	
Toluene-d8	116	65 - 144	10/20/25 17:32	

Analytical Report

Client:	RSEC Inc	**Service Request:**	K2510253
Project:	Lanxess/RSEC	**Date Collected:**	10/15/25 12:30
Sample Matrix:	Ground Water	**Date Received:**	10/15/25 14:23
Sample Name:	NIA-E	**Units:**	ug/L
Lab Code:	K2510253-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Benzene	ND U	0.50	0.062	1	10/20/25 17:57	
Toluene	ND U	0.50	0.054	1	10/20/25 17:57	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	68 - 117	10/20/25 17:57	
Dibromofluoromethane	95	73 - 122	10/20/25 17:57	
Toluene-d8	102	65 - 144	10/20/25 17:57	

Analytical Report

Client:	RSEC Inc	**Service Request:**	K2510253
Project:	Lanxess/RSEC	**Date Collected:**	10/15/25 12:30
Sample Matrix:	Ground Water	**Date Received:**	10/15/25 14:23
Sample Name:	Trip Blank	**Units:**	ug/L
Lab Code:	K2510253-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Benzene	ND U	0.50	0.062	1	10/20/25 14:42	
Toluene	ND U	0.50	0.054	1	10/20/25 14:42	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	109	68 - 117	10/20/25 14:42	
Dibromofluoromethane	94	73 - 122	10/20/25 14:42	
Toluene-d8	87	65 - 144	10/20/25 14:42	

Analytical Report

Client:	RSEC Inc	**Service Request:**	K2510253
Project:	Lanxess/RSEC	**Date Collected:**	NA
Sample Matrix:	Ground Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	KQ2518604-05	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Benzene	ND U	0.50	0.062	1	10/20/25 13:53	
Toluene	ND U	0.50	0.054	1	10/20/25 13:53	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	103	68 - 117	10/20/25 13:53	
Dibromofluoromethane	90	73 - 122	10/20/25 13:53	
Toluene-d8	100	65 - 144	10/20/25 13:53	

Client: RSEC Inc **Service Request:** K2510253
Project: Lanxess/RSEC
Sample Matrix: Ground Water

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Extraction Method: None

Sample Name	Lab Code	4-Bromofluorobenzene 68 - 117	Dibromofluoromethane 73 - 122	Toluene-d8 65 - 144
NIA-W	K2510253-001	97	98	116
NIA-E	K2510253-002	97	95	102
Trip Blank	K2510253-003	109	94	87
Lab Control Sample	KQ2518604-03	103	105	103
Duplicate Lab Control Sample	KQ2518604-04	100	102	105
Method Blank	KQ2518604-05	103	90	100

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client:	RSEC Inc	**Service Request:**	K2510253
Project:	Lanxess/RSEC	**Date Analyzed:**	10/20/25
Sample Matrix:	Ground Water	**Date Extracted:**	NA

Duplicate Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	**Units:**	ug/L
Prep Method:	None	**Basis:**	NA
		Analysis Lot:	897552

	Lab Control Sample KQ2518604-03			Duplicate Lab Control Sample KQ2518604-04					
Analyte Name	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Benzene	11.3	10.0	113	12.2	10.0	122	69-124	7	30
Toluene	10.6	10.0	106	11.5	10.0	115	69-124	8	30

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client:	RSEC Inc	**Service Request:**	K2510253
Project:	Lanxess/RSEC	**Date Analyzed:**	10/20/25 12:10
Sample Matrix:	Ground Water	**Date Extracted:**	

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Sample Name:	Lab Control Sample	**Instrument ID:**	K-MS-18
Lab Code:	KQ2518604-03	**File ID:**	J:\MS18\DATA\102025\1020F003.D\
Analysis Method:	8260C	**Analysis Lot:**	897552
Prep Method:	None		

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Duplicate Lab Control Sample	KQ2518604-04	J:\MS18\DATA\102025\1020F004.D\	10/20/25 12:34
Method Blank	KQ2518604-05	J:\MS18\DATA\102025\1020F007.D\	10/20/25 13:53
Trip Blank	K2510253-003	J:\MS18\DATA\102025\1020F009.D\	10/20/25 14:42
NIA-W	K2510253-001	J:\MS18\DATA\102025\1020F016.D\	10/20/25 17:32
NIA-E	K2510253-002	J:\MS18\DATA\102025\1020F017.D\	10/20/25 17:57

Low Level Semivolatile Organic Compounds by GC/MS

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1317 South 13th Avenue, Kelso, WA 98626
Phone (360)577-7222 Fax (360)636-1068
www.alsglobal.com

Analytical Report

Client:	RSEC Inc	**Service Request:**	K2510253
Project:	Lanxess/RSEC	**Date Collected:**	10/15/25 12:00
Sample Matrix:	Ground Water	**Date Received:**	10/15/25 14:23
Sample Name:	NIA-W	**Units:**	ug/L
Lab Code:	K2510253-001	**Basis:**	NA

Low Level Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3520C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Biphenyl	**1.1**	1.0	1	10/27/25 21:00	10/23/25	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2-Fluorobiphenyl	69	35 - 105	10/27/25 21:00	

Analytical Report

Client:	RSEC Inc	**Service Request:**	K2510253
Project:	Lanxess/RSEC	**Date Collected:**	10/15/25 12:30
Sample Matrix:	Ground Water	**Date Received:**	10/15/25 14:23
Sample Name:	NIA-E	**Units:**	ug/L
Lab Code:	K2510253-002	**Basis:**	NA

Low Level Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3520C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Biphenyl	ND U	1.0	1	10/27/25 21:23	10/23/25	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2-Fluorobiphenyl	77	35 - 105	10/27/25 21:23	

Analytical Report

Client:	RSEC Inc	**Service Request:**	K2510253
Project:	Lanxess/RSEC	**Date Collected:**	NA
Sample Matrix:	Ground Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	KQ2518744-01	**Basis:**	NA

Low Level Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3520C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Biphenyl	ND U	0.20	1	10/27/25 18:41	10/23/25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2-Fluorobiphenyl	78	35 - 105	10/27/25 18:41	

Client: RSEC Inc **Service Request:** K2510253
Project: Lanxess/RSEC
Sample Matrix: Ground Water

SURROGATE RECOVERY SUMMARY
Low Level Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Extraction Method: EPA 3520C

Sample Name	Lab Code	2-Fluorobiphenyl 35 - 105
NIA-W	K2510253-001	69
NIA-E	K2510253-002	77
Method Blank	KQ2518744-01	78
Lab Control Sample	KQ2518744-02	83
Duplicate Lab Control Sample	KQ2518744-03	80

Client:	RSEC Inc	**Service Request:**	K2510253
Project:	Lanxess/RSEC	**Date Analyzed:**	10/27/25
Sample Matrix:	Ground Water	**Date Extracted:**	10/23/25

Duplicate Lab Control Sample Summary
Low Level Semivolatile Organic Compounds by GC/MS

Analysis Method:	8270D	**Units:**	ug/L
Prep Method:	EPA 3520C	**Basis:**	NA
		Analysis Lot:	898693

	Lab Control Sample KQ2518744-02			Duplicate Lab Control Sample KQ2518744-03					
Analyte Name	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Biphenyl	3.86	5.00	77	4.03	5.00	81	70-130	4	30

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client:	RSEC Inc	**Service Request:**	K2510253
Project:	Lanxess/RSEC	**Date Analyzed:**	10/27/25 19:27
Sample Matrix:	Ground Water	**Date Extracted:**	10/23/25

Lab Control Sample Summary
Low Level Semivolatile Organic Compounds by GC/MS

Sample Name:	Lab Control Sample	**Instrument ID:**	K-MS-48
Lab Code:	KQ2518744-02	**File ID:**	J:\MS48\DATA\102725_CLP\1027F008.D\
Analysis Method:	8270D	**Analysis Lot:**	898693,898644
Prep Method:	EPA 3520C	**Extraction Lot:**	466387

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	KQ2518744-01	J:\MS48\DATA\102725_CLP\1027F006.D\	10/27/25 18:41
Method Blank	KQ2518744-01	J:\MS48\DATA\102725\1027F006.D\	10/27/25 18:41
Duplicate Lab Control Sample	KQ2518744-03	J:\MS48\DATA\102725_CLP\1027F009.D\	10/27/25 19:50
Duplicate Lab Control Sample	KQ2518744-03	J:\MS48\DATA\102725\1027F009.D\	10/27/25 19:50
NIA-W	K2510253-001	J:\MS48\DATA\102725_CLP\1027F011.D\	10/27/25 21:00
NIA-W	K2510253-001	J:\MS48\DATA\102725\1027F011.D\	10/27/25 21:00
NIA-E	K2510253-002	J:\MS48\DATA\102725_CLP\1027F012.D\	10/27/25 21:23
NIA-E	K2510253-002	J:\MS48\DATA\102725\1027F012.D\	10/27/25 21:23

Subcontract Lab Results

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360)577-7222 Fax (360)636-1068
www.alsglobal.com

CERTIFICATE OF ANALYSIS

Work Order	:	**WT2530575**		
Client	:	**ALS Group USA, Corp.**	Laboratory	: ALS Environmental - Waterloo
Contact	:	Sydney Wolf	Account Manager	: Khairul Intiar
Address	:	1317 South 23th Avenue Kelso Washington United States 98626	Address	: 60 Northland Road, Unit 1 Waterloo ON Canada N2V 2B8
Telephone	:	360 577 7222	E-mail	: khairul.intiar@alsglobal.com
Project	:	----	Telephone	: +1 519 886 6910
PO	:	----	Date Samples Received	: 24-Oct-2025 11:00
C-O-C number	:	----	Date Analysis Commenced	: 02-Nov-2025
Sampler	:	----	Issue Date	: 03-Nov-2025 09:32
Site	:	----		
Quote number	:	2025 Price List (Waterloo)		
No. of samples received	:	2		
No. of samples analysed	:	2		

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Surrogate Control Limits

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QC Interpretive report to assist with Quality Review and Sample Receipt Notification (SRN).

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

Signatories	*Position*	*Laboratory Department*
Danielle Gravel	Supervisor - Semi-Volatile Instrumentation	Organics, Waterloo, Ontario

General Comments

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Refer to the ALS Quality Control Interpretive report (QCI) for applicable references and methodology summaries. Reference methods may incorporate modifications to improve performance.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

Please refer to Quality Control Interpretive report (QCI) for information regarding Holding Time compliance.

Key: CAS Number: Chemical Abstracts Services number is a unique identifier assigned to discrete substances.
LOR: Limit of Reporting (detection limit).

Unit	*Description*
µg/L	micrograms per litre

<: less than.
>: greater than.
Surrogate: An analyte that is similar in behavior to target analyte(s), but that does not occur naturally in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery.

Test results reported relate only to the samples as received by the laboratory.
UNLESS OTHERWISE STATED on SRN or QCI Report, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

Analytical Results

Sub-Matrix: Water (Matrix: Water)					Client sample ID	NIA-W ----	NIA-E ----	----	----	----
					Client sampling date / time	24-Oct-2025 00:00	24-Oct-2025 00:00	----	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit		WT2530575-001	WT2530575-002	----	----	----
						Result	Result	----	----	----
Semi-Volatile Organics										
Diphenyl ether	101-84-8	E625/WT	0.40	µg/L		613	82.7	----	----	----
Semi-Volatile Organics Surrogates										
Fluorobiphenyl, 2-	321-60-8	E625/WT	1.0	%		81.3	79.5	----	----	----
Nitrobenzene-d5	4165-60-0	E625/WT	1.0	%		87.4	85.3	----	----	----
Terphenyl-d14, p-	1718-51-0	E625/WT	1.0	%		85.6	91.9	----	----	----
Phenolics Surrogates										
Tribromophenol, 2,4,6-	118-79-6	E625/WT	0.50	%		87.9	86.9	----	----	----

Please refer to the General Comments section for an explanation of any qualifiers detected.

QUALITY CONTROL REPORT

Work Order	: **WT2530575**	Page	: 1 of 3
Client	: ALS Group USA, Corp.	Laboratory	: ALS Environmental - Waterloo
Contact	: Sydney Wolf	Account Manager	: Khairul Intiar
Address	: 1317 South 23th Avenue Kelso WA United States 98626	Address	: 60 Northland Road, Unit 1 Waterloo, Ontario Canada N2V 2B8
Telephone	: 360 577 7222	Telephone	: +1 519 886 6910
Project	: ----	Date Samples Received	: 24-Oct-2025 11:00
PO	: ----	Date Analysis Commenced	: 02-Nov-2025
C-O-C number	: ----	Issue Date	: 03-Nov-2025 09:32
Sampler	: ----		
Site	: ----		
Quote number	: 2025 Price List (Waterloo)		
No. of samples received	: 2		
No. of samples analysed	: 2		

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Method Blank (MB) Report; Recovery and Data Quality Objectives
- Laboratory Control Sample (LCS) Report; Recovery and Data Quality Objectives

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

Signatories	*Position*	*Laboratory Department*
Danielle Gravel	Supervisor - Semi-Volatile Instrumentation	Waterloo Organics, Waterloo, Ontario

General Comments

The ALS Quality Control (QC) report is optionally provided to ALS clients upon request. ALS test methods include comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against predetermined Data Quality Objectives (DQOs) to provide confidence in the accuracy of associated test results. This report contains detailed results for all QC results applicable to this sample submission. Please refer to the ALS Quality Control Interpretation report (QCI) for applicable method references and methodology summaries.

Key :

Anonymous = Refers to samples which are not part of this work order, but which formed part of the QC process lot.
CAS Number = Chemical Abstracts Service number is a unique identifier assigned to discrete substances.
DQO = Data Quality Objective.
LOR = Limit of Reporting (detection limit).
RPD = Relative Percent Difference
# = Indicates a QC result that did not meet the ALS DQO.

Workorder Comments

Holding times are displayed as "---" if no guidance exists from CCME, Canadian provinces, or broadly recognized international references.

Method Blank (MB) Report

A Method Blank is an analyte-free matrix that undergoes sample processing identical to that carried out for test samples. Method Blank results are used to monitor and control for potential contamination from the laboratory environment and reagents. For most tests, the DQO for Method Blanks is for the result to be < LOR.

Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Semi-Volatile Organics (QCLot: 2311272)						
Diphenyl ether	101-84-8	E625	0.4	µg/L	<0.40	----

Laboratory Control Sample (LCS) Report

A Laboratory Control Sample (LCS) is an analyte-free matrix that has been fortified (spiked) with test analytes at known concentration and processed in an identical manner to test samples. LCS results are expressed as percent recovery, and are used to monitor and control test method accuracy and precision, independent of test sample matrix.

Sub-Matrix: **Water**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
Semi-Volatile Organics (QCLot: 2311272)									
Diphenyl ether	101-84-8	E625	0.4	µg/L	8.42 µg/L	77.9	50.0	140	----

ALS Canada Ltd.

QUALITY CONTROL INTERPRETIVE REPORT

Work Order	: **WT2530575**	Page	: 1 of 5
Client	: **ALS Group USA, Corp.**	Laboratory	: ALS Environmental - Waterloo
Contact	: Sydney Wolf	Account Manager	: Khairul Intiar
Address	: 1317 South 23th Avenue Kelso WA United States 98626	Address	: 60 Northland Road, Unit 1 Waterloo, Ontario Canada N2V 2B8
Telephone	: 360 577 7222	Telephone	: +1 519 886 6910
Project	: ----	Date Samples Received	: 24-Oct-2025 11:00
PO	: ----	Issue Date	: 03-Nov-2025 09:32
C-O-C number	: ----		
Sampler	: ----		
Site	: ----		
Quote number	: 2025 Price List (Waterloo)		
No. of samples received	: 2		
No. of samples analysed	: 2		

This report is automatically generated by the ALS LIMS (Laboratory Information Management System) through evaluation of Quality Control (QC) results and other QA parameters associated with this submission, and is intended to facilitate rapid data validation by auditors or reviewers. The report highlights any exceptions and outliers to ALS Data Quality Objectives, provides holding time details and exceptions, summarizes QC sample frequencies, and lists applicable methodology references and summaries.

Key

Anonymous: Refers to samples which are not part of this work order, but which formed part of the QC process lot.
CAS Number: Chemical Abstracts Service number is a unique identifier assigned to discrete substances.
DQO: Data Quality Objective.
LOR: Limit of Reporting (detection limit).
RPD: Relative Percent Difference.

Workorder Comments

Holding times are displayed as "---" if no guidance exists from CCME, Canadian provinces, or broadly recognized international references.

Summary of Outliers

Outliers : Quality Control Samples

- No Method Blank value outliers occur.
- No Laboratory Control Sample (LCS) outliers occur
- No Test sample Surrogate recovery outliers exist.

Outliers: Reference Material (RM) Samples

- No Reference Material (RM) Sample outliers occur.

Outliers : Analysis Holding Time Compliance (Breaches)

- Analysis Holding Time Outliers exist - please see following pages for full details.

Outliers : Frequency of Quality Control Samples

- No Quality Control Sample Frequency Outliers occur.

Analysis Holding Time Compliance

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times, which are selected to meet known provincial and /or federal requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by organizations such as CCME, US EPA, APHA Standard Methods, ASTM, or Environment Canada (where available). Dates and holding times reported below represent the first dates of extraction or analysis. If subsequent tests or dilutions exceeded holding times, qualifiers are added (refer to COA).

If samples are identified below as having been analyzed or extracted outside of recommended holding times, measurement uncertainties may be increased, and this should be taken into consideration when interpreting results.

Where actual sampling date is not provided on the chain of custody, the date of receipt with time at 00:00 is used for calculation purposes.

Where only the sample date without time is provided on the chain of custody, the sampling date at 00:00 is used for calculation purposes.

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Semi-Volatile Organics : BNA (Extended List) by GC-MS-MS										
Amber glass/Teflon lined cap [ON MECP]										
NIA-E	E625	24-Oct-2025	02-Nov-2025	7 days	9 days	× EHT	03-Nov-2025	7 days	9 days	✓
Semi-Volatile Organics : BNA (Extended List) by GC-MS-MS										
Amber glass/Teflon lined cap [ON MECP]										
NIA-W	E625	24-Oct-2025	02-Nov-2025	7 days	9 days	× EHT	03-Nov-2025	7 days	9 days	✓

Legend & Qualifier Definitions

EHT: Exceeded ALS recommended hold time prior to analysis.

Rec. HT: ALS recommended hold time (see units).

Quality Control Parameter Frequency Compliance

The following report summarizes the frequency of laboratory QC samples analyzed within the analytical batches (QC lots) in which the submitted samples were processed. The actual frequency should be greater than or equal to the expected frequency.

Matrix: **Water**

Evaluation: × = *QC frequency outside specification*; ✓ = *QC frequency within specification.*

Quality Control Sample Type			Count		Frequency (%)		
Analytical Methods	*Method*	*QC Lot #*	*QC*	*Regular*	*Actual*	*Expected*	*Evaluation*
Laboratory Control Samples (LCS)							
BNA (Extended List) by GC-MS-MS	E625	2311272	1	2	50.0	5.0	✓
Method Blanks (MB)							
BNA (Extended List) by GC-MS-MS	E625	2311272	1	2	50.0	5.0	✓

Methodology References and Summaries

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Reference methods may incorporate modifications to improve performance (indicated by "mod").

Analytical Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
BNA (Extended List) by GC-MS-MS	E625 ALS Environmental - Waterloo	Water	EPA 8270E (mod)	BNA are analyzed by GC-MS-MS.

Preparation Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
BNA Extraction	EP625 ALS Environmental - Waterloo	Water	EPA 3510C (mod)	SVOCs are extracted from aqueous sample using DCM liquid-liquid extraction.

WW-225 CP
OS-240

ALS Environmental Chain of Custody

1317 South 13th Avenue • Kelso, WA 98626 • 1-360-577-7222 • FAX 1-360-636-1068

ALS Contact: Luke Rahn

Project Number: K2510253
Project Manager: Luke Rahn
QAP: LAB QAP

Lab Code	Sample ID	# of Cont.	Matrix	Sample Date	Sample Time	Lab ID	Misc Out 1 None
K2510253-001	NIA-W	2	Ground Water	10/15/25	1200	Waterloo ALS	X
K2510253-002	NIA-E	2	Ground Water	10/15/25	1230	Waterloo ALS	X

Send Waterloo 1x 40mL VOA VOC via!
& 1x 1000mL Unpreserved amber

Environmental Division
Waterloo
Work Order Reference
WT2530575

Telephone: +1 519 886 6910

Test Comments
Misc Out 1 - None

K2510253-001,2

Diphenyl Ether

Quote WT2025ALSG1500002

Folder Comments:
Diphenyl ether is the same as Diphenyl oxide
Check COC for required analytes for each method.
Diphenyl ether - RL 25781
Diphenyl ether, Biphenyl - RL 25782
Biphenyl, Benzoic acid - RL 25783
Diphenyl ether, Biphenyl, BEHP - RL 25784

Special Instructions/Comments
Please provide the electronic (PDF and EDD) report to the following e-mail address:
ALKLS.Data@alsglobal.com.

NPDES

H - Test is On Hold P - Test is Authorized for Prep Only

Turnaround Requirements
____ **RUSH** (Surcharges Apply)
PLEASE CIRCLE WORK DAYS
1 2 3 4 5
X **STANDARD**
Requested FAX Date: _____
Requested Report Date: 10/29/25

Report Requirements
____ I. Results Only
X II. Results + QC Summaries
____ III. Results + QC and Calibration Summaries
____ IV. Data Validation Report with Raw Data
PQL/MDL/J N
EDD Y

Invoice Information
PO# 51K2510253
Bill to

Relinquished By: _____ Received By: _____ 3.3° Airbill Number: _____

1057 10/23/25 1150 24/OCT/25

X **Ship To: Waterloo ALS**
ALS Environmental - Canada
60 Northland Road, Unit 1
Waterloo, ON N2V 2B8

PC LR Date 10/23
SMO MRP Date 10/23

Instructions:
Ice X
Dry Ice ____
No Ice ____

Shipping:
Overnight X
2nd Day ____
Ground ____

Bill to Client Account ____

Comments:

October 27, 2025 Service Request No:K2510455

Rich Truax
RSEC Inc
958 Hood View Ct.
Hood River, OR 97031

Laboratory Results for: RSEC/Lanxess

Dear Rich,

Enclosed are the results of the sample(s) submitted to our laboratory October 21, 2025
For your reference, these analyses have been assigned our service request number **K2510455.**

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current NELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. All results are intended to be considered in their entirety, and ALS Group USA Corp. dba ALS Environmental (ALS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please contact me if you have any questions. My extension is 3260. You may also contact me via email at Luke.Rahn@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Daeyleigh Smith

For Luke Rahn
Project Manager

ADDRESS 1317 S. 13th Avenue, Kelso, WA 98626
PHONE +1 360 577 7222 | FAX +1 360 636 1068
ALS Group USA, Corp.
dba ALS Environmental

Narrative Documents

ALS Environmental—Kelso Laboratory
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Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

1317 South 13th Ave, Kelso, WA 98626 | 1-360-577-7222 | www.alsglobal.com

Client: RSEC Inc
Project: RSEC/Lanxess
Sample Matrix: Water

Service Request: K2510455
Date Received: 10/21/2025

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier II level requested by the client.

Sample Receipt:

Five water samples were received for analysis at ALS Environmental on 10/21/2025. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

Volatiles by GC/MS:

No significant anomalies were noted with this analysis.

Approved by Hayleigh Smith Date 10/27/2025

SAMPLE DETECTION SUMMARY

This form includes only detections above the reporting levels. For a full listing of sample results, continue to the Sample Results section of this Report.

CLIENT ID: MW-239			Lab ID: K2510455-004			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Benzene	0.24	J	0.062	0.50	ug/L	8260C
Toluene	1.9		0.054	0.50	ug/L	8260C

CLIENT ID: MW-97			Lab ID: K2510455-005			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Benzene	0.25	J	0.062	0.50	ug/L	8260C
Toluene	2.0		0.054	0.50	ug/L	8260C

Sample Receipt Information

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Client: RSEC Inc **Service Request:**K2510455

Project: RSEC/Lanxess/LKC-1025

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
K2510455-001	MW-250	10/21/2025	0900
K2510455-002	MW-243	10/21/2025	0945
K2510455-003	KC-14	10/21/2025	1030
K2510455-004	MW-239	10/21/2025	1100
K2510455-005	MW-97	10/21/2025	1130

CHAIN OF CUSTODY

SR# W25104455

1317 South 13th Ave., Kelso, WA 98626 | +1 360 577 7222 | +1 800 695 7222 | +1 360 636 1068 (fax)

PAGE _____ OF _____ COC# _____

PROJECT NAME: RSEC / Lanxess
PROJECT NUMBER: LKC-1025
PROJECT MANAGER: Rich Truex
COMPANY NAME: RSEC
ADDRESS: 958 Hood View Ct.
CITY/STATE/ZIP: Hood River OR. 97031
E-MAIL ADDRESS: rsec.rich@outlook.com
PHONE #: 541-490-4223 FAX #
SAMPLER'S SIGNATURE:

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	NUMBER OF CONTAINERS	REMARKS
MW-250		0900		GW	3	Benz & Tolue
MW-243		0945				
KC-14		1030				
MW-239		1100				
MW-97		1130				

Semivolatile Organics by GC/MS 625☐ 8270☐ SIM PAH☐
Volatile Organics 624☐ 8260☐ 8021☐ BTEX☐
Hydrocarbons (*see below) Gas☐ Diesel☐ Oil☐
Oil & Grease/TRPH 1664 HEM☐ 1664 SGT☐
PCBs Aroclors☐ Congeners☐
Pesticides/Herbicides 608☐ 8081☐ 8141☐ 8151☐
Chlorophenolics - 8151M Tri☐ Tetra☐ PCP☐
Metals, Total or Dissolved (See List below)
Cyanide☐ Hex-Chrom☐
(circle) pH, Cond., Cl, SO_4, PO_4, F, NO_2, NO_3, BOD, TSS, TDS, Turb.
(circle) NH_3-N, COD, TKN, TOC, DOC, NO_2+NO_3, T-Phos
TOX 9020☐ AOX 1650☐ 506☐
Alkalinity ☐ CO_3☐ HCO_3☐
Dioxins/Furans 1613☐ 8290☐
Dissolved Gases CO_2☐ RSK 175☐ Methane☐ Ethane☐ Ethene☐

REPORT REQUIREMENTS

- X I. Routine Report: Method Blank, Surrogate, as required
- ___ II. Report Dup., MS, MSD as required
- ___ III. CLP Like Summary (no raw data)
- ___ IV. Data Validation Report
- ___ V. EDD

INVOICE INFORMATION

P.O. # LKC-1025
Bill To:
rsec.rich@outlook.com

TURNAROUND REQUIREMENTS

___ 24 hr. ___ 48 hr.
___ 5 day
X Standard (15 working days)
___ Provide FAX Results

Requested Report Date

Circle which metals are to be analyzed:

Total Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Tl Sn V Zn Hg

Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Tl Sn V Zn Hg

*INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: _____ (CIRCLE ONE)

SPECIAL INSTRUCTIONS/COMMENTS:

MDL reporting please

☐ Sample Shipment contains USDA regulated soil samples (check box if applicable)

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Signature:	Signature: M. Mulligan	Signature:	Signature:
Date/Time: 10/21	Date/Time: 1640 10/21/25	Date/Time:	Date/Time:
Printed Name: R Truex	Printed Name: M. Mulligan	Printed Name:	Printed Name:
Firm: RSEC	Firm: ALS	Firm:	Firm:

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Cooler Receipt and Preservation Form

PM LH

Client RSEC Service Request K25 10455

Received: ~~10/20~~ 10/20/25 Opened: 10/21/25 By: MM Unloaded: 10/21/25 By: MM

1. Samples were received via? *USPS* *Fed Ex* *UPS* *DHL* *PDX* *Courier* *Hand Delivered*
2. Samples were received in: (circle) *Cooler* *Box* *Envelope* *Other* _____ *NA*
3. Were custody seals on coolers? NA Y N If yes, how many and where? _____
   If present, were custody seals intact? Y N If present, were they signed and dated? Y N

Temp Blank	Sample Temp	IR Gun	Cooler #/COC ID / NA	Out of temp indicate with "X"	PM Notified If out of temp	Tracking Number NA	Filed
	5.9	IR02					

4. Was a Temperature Blank present in cooler? NA Y N If yes, notate the temperature in the appropriate column below:
   If no, take the temperature of a representative sample bottle contained within the cooler; notate in the column "Sample Temp":
5. Were samples received within the method specified temperature ranges? NA Y N
   If no, were they received on ice and same day as collected? If not, notate the cooler # below and notify the PM. NA Y N

If applicable, tissue samples were received: *Frozen* *Partially Thawed* *Thawed*

6. Packing material: *Inserts* *Baggies* *Bubble Wrap* *Gel Packs* *Wet Ice* *Dry Ice* *Sleeves* _____
7. Were custody papers properly filled out (ink, signed, etc.)? NA Y N
8. Were samples received in good condition (unbroken) NA Y N
9. Were all sample labels complete (ie, analysis, preservation, etc.)? NA Y N
10. Did all sample labels and tags agree with custody papers? NA Y N
11. Were appropriate bottles/containers and volumes received for the tests indicated? NA Y N
12. Were the pH-preserved bottles (*see SMO GEN SOP*) received at the appropriate pH? *Indicate in the table below* NA Y N
13. Were VOA vials received without headspace? *Indicate in the table below.* NA Y N
14. Was C12/Res negative? NA Y N
15. Were samples received within method specified time limit? If not, notate the error below and notify the PM. NA Y N
16. Were 100mL sterile microbiology bottles filled exactly to the 100mL mark? NA Y N Underfilled Overfilled

Sample ID on Bottle	Sample ID on COC	Identified by:

Sample ID	Bottle Count Bottle Type	Head-space	Broke	pH	Reagent	Volume added	Reagent Lot Number	Initials	Time

Notes, Discrepancies, Resolutions: Sample date on bottles 10/21

Miscellaneous Forms

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Inorganic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated value.
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
i	The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
X	See case narrative.
Q	See case narrative. One or more quality control criteria was outside the limits.
H	The holding time for this test is immediately following sample collection. The samples were analyzed as soon as possible after receipt by the laboratory.

Metals Data Qualifiers

#	The control limit criteria is not applicable.
J	The result is an estimated value.
E	The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
M	The duplicate injection precision was not met.
N	The Matrix Spike sample recovery is not within control limits. See case narrative.
S	The reported value was determined by the Method of Standard Additions (MSA).
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
W	The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
i	The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
X	See case narrative.
+	The correlation coefficient for the MSA is less than 0.995.
Q	See case narrative. One or more quality control criteria was outside the limits.

Organic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
A	A tentatively identified compound, a suspected aldol-condensation product.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
C	The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
D	The reported result is from a dilution.
E	The result is an estimated value over the calibration range.
J	The result is an estimated value between the MDL and the MRL.
N	The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
P	The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results.
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
i	The MRL/MDL or LOQ/LOD is elevated due to a chromatographic interference.
X	See case narrative.
Q	See case narrative. One or more quality control criteria was outside the limits.

Additional Petroleum Hydrocarbon Specific Qualifiers

F	The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
L	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
H	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
O	The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
Y	The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
Z	The chromatographic fingerprint does not resemble a petroleum product.

ALS Group USA Corp. dba ALS Environmental (ALS) - Kelso
State Certifications, Accreditations, and Licenses

Agency	Web Site	Number
Alaska DEH	http://dec.alaska.gov/eh/lab/cs/csapproval.htm	UST-040
Arizona DHS	http://www.azdhs.gov/lab/license/env.htm	AZ0339
Arkansas - DEQ	http://www.adeq.state.ar.us/techsvs/labcert.htm	88-0637
California DHS (ELAP)	http://www.cdph.ca.gov/certlic/labs/Pages/ELAP.aspx	2795
DOD ELAP	http://www.denix.osd.mil/edqw/Accreditation/AccreditedLabs.cfm	L16-58-R4
Florida DOH	http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm	E87412
Hawaii DOH	http://health.hawaii.gov/	-
ISO 17025	http://www.pjlabs.com/	L16-57
Louisiana DEQ	http://www.deq.louisiana.gov/page/la-lab-accreditation	03016
Maine DHS	http://www.maine.gov/dhhs/	WA01276
Minnesota DOH	http://www.health.state.mn.us/accreditation	053-999-457
Nevada DEP	http://ndep.nv.gov/bsdw/labservice.htm	WA01276
New Jersey DEP	http://www.nj.gov/dep/enforcement/oqa.html	WA005
New York - DOH	https://www.wadsworth.org/regulatory/elap	12060
North Carolina DEQ	https://deq.nc.gov/about/divisions/water-resources/water-resources-data/water-sciences-home-page/laboratory-certification-branch/non-field-lab-certification	605
Oklahoma DEQ	http://www.deq.state.ok.us/CSDnew/labcert.htm	9801
Oregon – DEQ (NELAP)	http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx	WA100010
South Carolina DHEC	http://www.scdhec.gov/environment/EnvironmentalLabCertification/	61002
Texas CEQ	http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html	T104704427
Washington DOE	http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html	C544
Wyoming (EPA Region 8)	https://www.epa.gov/region8-waterops/epa-region-8-certified-drinking-water-	-
Kelso Laboratory Website	www.alsglobal.com	NA

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. A complete listing of specific NELAP-certified analytes, can be found in the certification section at www.ALSGlobal.com or at the accreditation bodies web site.
Please refer to the certification and/or accreditation body's web site if samples are submitted for compliance purposes. The states highlighted above, require the analysis be listed on the state certification if used for compliance purposes and if the method/anlayte is offered by that state.

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LOD	Limit of Detection
LOQ	Limit of Quantitation
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Client: RSEC Inc **Service Request:** K2510455
Project: RSEC/Lanxess/LKC-1025

Sample Name: MW-250 **Date Collected:** 10/21/25
Lab Code: K2510455-001 **Date Received:** 10/21/25
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		MCRESWELL

Sample Name: MW-243 **Date Collected:** 10/21/25
Lab Code: K2510455-002 **Date Received:** 10/21/25
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		MCRESWELL

Sample Name: KC-14 **Date Collected:** 10/21/25
Lab Code: K2510455-003 **Date Received:** 10/21/25
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		MCRESWELL

Sample Name: MW-239 **Date Collected:** 10/21/25
Lab Code: K2510455-004 **Date Received:** 10/21/25
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		MCRESWELL

Sample Name: MW-97 **Date Collected:** 10/21/25
Lab Code: K2510455-005 **Date Received:** 10/21/25
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		MCRESWELL

Sample Results

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Volatile Organic Compounds by GC/MS

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ALS Group USA, Corp.
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Analytical Report

Client:	RSEC Inc	**Service Request:**	K2510455
Project:	RSEC/Lanxess/LKC-1025	**Date Collected:**	10/21/25 09:00
Sample Matrix:	Water	**Date Received:**	10/21/25 13:40
Sample Name:	MW-250	**Units:**	ug/L
Lab Code:	K2510455-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Benzene	ND U	0.50	0.062	1	10/23/25 14:49	
Toluene	ND U	0.50	0.054	1	10/23/25 14:49	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	68 - 117	10/23/25 14:49	
Dibromofluoromethane	90	73 - 122	10/23/25 14:49	
Toluene-d8	98	65 - 144	10/23/25 14:49	

Analytical Report

Client:	RSEC Inc	**Service Request:**	K2510455
Project:	RSEC/Lanxess/LKC-1025	**Date Collected:**	10/21/25 09:45
Sample Matrix:	Water	**Date Received:**	10/21/25 13:40
Sample Name:	MW-243	**Units:**	ug/L
Lab Code:	K2510455-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Benzene	ND U	0.50	0.062	1	10/23/25 15:13	
Toluene	ND U	0.50	0.054	1	10/23/25 15:13	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	68 - 117	10/23/25 15:13	
Dibromofluoromethane	92	73 - 122	10/23/25 15:13	
Toluene-d8	100	65 - 144	10/23/25 15:13	

Analytical Report

Client:	RSEC Inc	**Service Request:**	K2510455
Project:	RSEC/Lanxess/LKC-1025	**Date Collected:**	10/21/25 10:30
Sample Matrix:	Water	**Date Received:**	10/21/25 13:40
Sample Name:	KC-14	**Units:**	ug/L
Lab Code:	K2510455-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Benzene	ND U	0.50	0.062	1	10/23/25 15:38	
Toluene	ND U	0.50	0.054	1	10/23/25 15:38	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	68 - 117	10/23/25 15:38	
Dibromofluoromethane	92	73 - 122	10/23/25 15:38	
Toluene-d8	98	65 - 144	10/23/25 15:38	

Analytical Report

Client:	RSEC Inc	**Service Request:**	K2510455
Project:	RSEC/Lanxess/LKC-1025	**Date Collected:**	10/21/25 11:00
Sample Matrix:	Water	**Date Received:**	10/21/25 13:40
Sample Name:	MW-239	**Units:**	ug/L
Lab Code:	K2510455-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Benzene	**0.24** J	0.50	0.062	1	10/23/25 16:02	
Toluene	**1.9**	0.50	0.054	1	10/23/25 16:02	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	68 - 117	10/23/25 16:02	
Dibromofluoromethane	94	73 - 122	10/23/25 16:02	
Toluene-d8	99	65 - 144	10/23/25 16:02	

Analytical Report

Client:	RSEC Inc	**Service Request:**	K2510455
Project:	RSEC/Lanxess/LKC-1025	**Date Collected:**	10/21/25 11:30
Sample Matrix:	Water	**Date Received:**	10/21/25 13:40
Sample Name:	MW-97	**Units:**	ug/L
Lab Code:	K2510455-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Benzene	**0.25** J	0.50	0.062	1	10/23/25 16:26	
Toluene	**2.0**	0.50	0.054	1	10/23/25 16:26	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	68 - 117	10/23/25 16:26	
Dibromofluoromethane	91	73 - 122	10/23/25 16:26	
Toluene-d8	99	65 - 144	10/23/25 16:26	

QC Summary Forms

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Volatile Organic Compounds by GC/MS

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Client: RSEC Inc **Service Request:** K2510455
Project: RSEC/Lanxess/LKC-1025
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Extraction Method: None

Sample Name	Lab Code	4-Bromofluorobenzene 68 - 117	Dibromofluoromethane 73 - 122	Toluene-d8 65 - 144
MW-250	K2510455-001	98	90	98
MW-243	K2510455-002	100	92	100
KC-14	K2510455-003	100	92	98
MW-239	K2510455-004	98	94	99
MW-97	K2510455-005	98	91	99
Lab Control Sample	KQ2518835-03	104	98	100
Duplicate Lab Control Sample	KQ2518835-04	102	97	100
Method Blank	KQ2518835-05	100	92	98

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client:	RSEC Inc	**Service Request:**	K2510455
Project:	RSEC/Lanxess/LKC-1025	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	KQ2518835-05	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Benzene	ND U	0.50	0.062	1	10/23/25 11:58	
Toluene	ND U	0.50	0.054	1	10/23/25 11:58	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	68 - 117	10/23/25 11:58	
Dibromofluoromethane	92	73 - 122	10/23/25 11:58	
Toluene-d8	98	65 - 144	10/23/25 11:58	

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dba ALS Environmental

QA/QC Report

Client:	RSEC Inc	**Service Request:**	K2510455
Project:	RSEC/Lanxess/LKC-1025	**Date Analyzed:**	10/23/25
Sample Matrix:	Water	**Date Extracted:**	NA

Duplicate Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	**Units:**	ug/L
Prep Method:	None	**Basis:**	NA
		Analysis Lot:	898175

	Lab Control Sample KQ2518835-03			Duplicate Lab Control Sample KQ2518835-04					
Analyte Name	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Benzene	11.0	10.0	110	11.3	10.0	113	69-124	2	30
Toluene	10.5	10.0	105	10.9	10.0	109	69-124	4	30

February 10, 2026 Service Request No:K2600722

Rich Truax
RSEC Inc
958 Hood View Ct.
Hood River, OR 97031

Laboratory Results for: RSEC-Lanxess Kalama

Dear Rich,

Enclosed are the results of the sample(s) submitted to our laboratory January 27, 2026
For your reference, these analyses have been assigned our service request number **K2600722.**

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current NELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. All results are intended to be considered in their entirety, and ALS Group USA Corp. dba ALS Environmental (ALS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please contact me if you have any questions. My extension is 3261. You may also contact me via email at Hayleigh.Smith@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental



Hayleigh Smith
Project Manager

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ALS Group USA, Corp.
dba ALS Environmental

Narrative Documents

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Client: RSEC Inc
Project: RSEC-Lanxess Kalama
Sample Matrix: Water

Service Request: K2600722
Date Received: 01/27/2026

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier II level requested by the client.

Sample Receipt:

Eleven water samples were received for analysis at ALS Environmental on 01/27/2026. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

Volatiles by GC/MS:

Method 8260C, 02/09/2026: Numerous samples required dilutions due to the presence of elevated levels of target analytes. The reporting limits are adjusted to reflect the dilutions.

Approved by Daeleigh Smith Date 02/10/2026

SAMPLE DETECTION SUMMARY

This form includes only detections above the reporting levels. For a full listing of sample results, continue to the Sample Results section of this Report.

CLIENT ID: ISRW-2b	Lab ID: K2600722-002					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Benzene	52			25	ug/L	8260C
Toluene	25000			250	ug/L	8260C

CLIENT ID: ISRW-4	Lab ID: K2600722-004					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Benzene	3.4			2.5	ug/L	8260C
Toluene	970			25	ug/L	8260C

CLIENT ID: ISRW-6	Lab ID: K2600722-006					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Benzene	24			5.0	ug/L	8260C
Toluene	5600			50	ug/L	8260C

CLIENT ID: ISRW-8	Lab ID: K2600722-008					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Benzene	60			50	ug/L	8260C
Toluene	21000			500	ug/L	8260C

CLIENT ID: ISRW-10	Lab ID: K2600722-010					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Benzene	120			100	ug/L	8260C
Toluene	66000			1000	ug/L	8260C

CLIENT ID: ISRW-1	Lab ID: K2600722-001					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Toluene	19000			250	ug/L	8260C

CLIENT ID: ISRW-3	Lab ID: K2600722-003					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Toluene	76000			1300	ug/L	8260C

CLIENT ID: ISRW-5	Lab ID: K2600722-005					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Toluene	17000			500	ug/L	8260C

CLIENT ID: ISRW-9	Lab ID: K2600722-009					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Toluene	16000			250	ug/L	8260C

Sample Receipt Information

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Client: RSEC Inc **Service Request:**K2600722

Project: RSEC-Lanxess Kalama/LKC-0126

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
K2600722-001	ISRW-1	1/27/2026	1100
K2600722-002	ISRW-2b	1/27/2026	1115
K2600722-003	ISRW-3	1/27/2026	1130
K2600722-004	ISRW-4	1/27/2026	1145
K2600722-005	ISRW-5	1/27/2026	1200
K2600722-006	ISRW-6	1/27/2026	1215
K2600722-007	ISRW-7	1/27/2026	1230
K2600722-008	ISRW-8	1/27/2026	1245
K2600722-009	ISRW-9	1/27/2026	1300
K2600722-010	ISRW-10	1/27/2026	1315
K2600722-011	Trip Blank	1/27/2026	

CHAIN OF CUSTODY

1317 South 13th Ave., Kelso, WA 98626 | +1 360 577 7222 | +1 800 695 7222 | +1 360 636 1068 (fax)

SR# VM600722 PAGE 1 OF 1 COC# 7

PROJECT NAME	RSEC - Lanxess Kalama
PROJECT NUMBER	LKC-0126
PROJECT MANAGER	Rich Truax
COMPANY NAME	RSEC
ADDRESS	958 Head View Ct
CITY/STATE/ZIP	Hood River OR 97031
E-MAIL ADDRESS	rsec.rich@outlook.com
PHONE #	541-490-4223 FAX #
SAMPLER'S SIGNATURE	

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	NUMBER OF CONTAINERS	Semivolatile Organics by GC/MS 625☐ 8270☐ 8270LL☐ SIM PAH☐	Volatile Organics 624☐ 8260☒ 8021☐ BTEX☐	Hydrocarbons (*see below) Gas☐ Diesel☐ Oil☐	Oil & Grease/TRPH 1664 HEM☐ 1664 SGT☐	PCBs Aroclors☐ Congeners☐	Pesticides/Herbicides 608☐ 8081☐ 8141☐ 8151☐	Chlorophenolics - 8151M Tri☐ Tetra☐ PCP☐	Metals, Total or Dissolved (See List below)	Cyanide☐ Hex-Chrom☐	(circle) pH, Cond., Cl, SO4, PO4, F, NO2, NO3, BOD, TSS, TDS, Turb.	(circle) NH3-N, COD, TKN, TOC, DOC, NO2+NO3, T-Phos	TOX 9020☐ AOX 1650☐ 506☐	Alkalinity☐ CO3☐ HCO3☐	Dioxins/Furans 1613☐ 8290☐	Dissolved Gases CO2☐ RSK 175☐ Methane☐ Ethane☐ Ethene☐				REMARKS
ISRW-1	1/27/26	1100		GW	3		X																		
ISRW-26	"	1115		"	"		"																		
ISRW-3		1130																							
ISRW-4		1145																							
ISRW-5		1200																							
ISRW-6		1215																							
ISRW-7		1230																							
ISRW-8		1245																							
ISRW-9		1300																							
ISRW-10	↓	1315		↓	↓		↓																		

REPORT REQUIREMENTS

- X I. Routine Report: Method Blank, Surrogate, as required
- ___ II. Report Dup., MS, MSD as required
- ___ III. CLP Like Summary (no raw data)
- ___ IV. Data Validation Report
- ___ V. EDD

INVOICE INFORMATION

P.O. # LKC-0126

Bill To: rsec.rich@outlook.com

TURNAROUND REQUIREMENTS

____ 24 hr. ____ 48 hr.

____ 5 day

X Standard (15 working days)

____ Provide FAX Results

Requested Report Date

Circle which metals are to be analyzed:

Total Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Tl Sn V Zn Hg

Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Tl Sn V Zn Hg

***INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: _____ (CIRCLE ONE)**

SPECIAL INSTRUCTIONS/COMMENTS:

8260 benzene + toluene

*MDL Reporting Limit.

☐ Sample Shipment contains USDA regulated soil samples (check box if applicable)

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Signature: [signature]	Signature: [signature]	Signature:	Signature:
Date/Time: 1/27/26	Date/Time: 1/27/26 1545	Date/Time:	Date/Time:
Printed Name: [illegible]	Printed Name: M. Mullen	Printed Name:	Printed Name:
Firm: RSEC	Firm: ALS	Firm:	Firm:

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Cooler Receipt and Preservation Form

PM HS

Client RSEC Service Request K26 00722

Received: 11/27/25 @ Opened: 11/27/25 By: mm Unloaded: 11/27/25 @ By: mm

1. Samples were received via? *USPS* *Fed Ex* *UPS* *DHL* *PDX* *Courier* *Hand Delivered*
2. Samples were received in: (circle) *Cooler* *Box* *Envelope* *Other* _____ *NA*
3. Were custody seals on coolers? NA Y N If yes, how many and where? _____
   If present, were custody seals intact? Y N If present, were they signed and dated? Y N

Temp Blank	Sample Temp	IR Gun	Cooler #/COC ID / NA	Out of temp indicate with "X"	PM Notified If out of temp	Tracking Number NA	Filed
4.7		IR01					

4. Was a Temperature Blank present in cooler? NA Y N If yes, notate the temperature in the appropriate column below:
   If no, take the temperature of a representative sample bottle contained within the cooler; notate in the column "Sample Temp":
5. Were samples received within the method specified temperature ranges? NA Y N
   If no, were they received on ice and same day as collected? If not, notate the cooler # below and notify the PM. NA Y N

If applicable, tissue samples were received: *Frozen* *Partially Thawed* *Thawed*

6. Packing material: *Inserts* *Baggies* *Bubble Wrap* *Gel Packs* *Wet Ice* *Dry Ice* *Sleeves* _____
7. Were custody papers properly filled out (ink, signed, etc.)? NA Y N
8. Were samples received in good condition (unbroken) NA Y N
9. Were all sample labels complete (ie, analysis, preservation, etc.)? NA Y N
10. Did all sample labels and tags agree with custody papers? NA Y N
11. Were appropriate bottles/containers and volumes received for the tests indicated? NA Y N
12. Were the pH-preserved bottles (*see SMO GEN SOP*) received at the appropriate pH? *Indicate in the table below* NA Y N
13. Were VOA vials received without headspace? *Indicate in the table below.* NA Y N
14. Was C12/Res negative? NA Y N
15. Were samples received within method specified time limit? If not, notate the error below and notify the PM. NA Y N
16. Were 100mL sterile microbiology bottles filled exactly to the 100mL mark? NA Y N Underfilled Overfilled

Sample ID on Bottle	Sample ID on COC	Identified by:

Sample ID	Bottle Count Bottle Type	Head-space	Broke	pH	Reagent	Volume added	Reagent Lot Number	Initials	Time
BRW-8	1 voc 3 40ml	X							

Notes, Discrepancies, Resolutions: Received 2 trip Blanks not on ice

Miscellaneous Forms

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Inorganic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated value.
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
i	The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
X	See case narrative.
Q	See case narrative. One or more quality control criteria was outside the limits.
H	The holding time for this test is immediately following sample collection. The samples were analyzed as soon as possible after receipt by the laboratory.

Metals Data Qualifiers

#	The control limit criteria is not applicable.
J	The result is an estimated value.
E	The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
M	The duplicate injection precision was not met.
N	The Matrix Spike sample recovery is not within control limits. See case narrative.
S	The reported value was determined by the Method of Standard Additions (MSA).
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
W	The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
i	The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
X	See case narrative.
+	The correlation coefficient for the MSA is less than 0.995.
Q	See case narrative. One or more quality control criteria was outside the limits.

Organic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
A	A tentatively identified compound, a suspected aldol-condensation product.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
C	The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
D	The reported result is from a dilution.
E	The result is an estimated value over the calibration range.
J	The result is an estimated value between the MDL and the MRL.
N	The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
P	The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results.
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
i	The MRL/MDL or LOQ/LOD is elevated due to a chromatographic interference.
X	See case narrative.
Q	See case narrative. One or more quality control criteria was outside the limits.

Additional Petroleum Hydrocarbon Specific Qualifiers

F	The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
L	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
H	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
O	The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
Y	The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
Z	The chromatographic fingerprint does not resemble a petroleum product.

ALS Group USA Corp. dba ALS Environmental (ALS) - Kelso
State Certifications, Accreditations, and Licenses

Agency	Website	Number
Alaska DEC	https://dec.alaska.gov/spar/csp/lab-approval/	17-004
Arizona DHS	https://www.azdhs.gov/preparedness/state-laboratory/lab-licensure-certification/index.php	AZ0339
Arkansas DEQ	https://www.adeq.state.ar.us/techsvs/lab_cert/	88-00637
California WB (ELAP)	https://www.waterboards.ca.gov/drinking_water/certlic/labs/index.html	2795
DOD ELAP	https://www.denix.osd.mil/edqw/accreditation/accreditedlabs/	65188
Florida DOH	https://www.floridahealth.gov/licensing-regulations/regulated-facilities/environmental-laboratories/	E87412
ISO 17025	https://www.pjlabs.com/	65188
Louisiana DEQ	https://www.deq.louisiana.gov/page/la-lab-accreditation	03016
Maine DHHS	https://www.maine.gov/dhhs/mecdc/services/business-services/laboratory-accreditation	WA01276
Minnesota DOH	https://www.health.state.mn.us/communities/environment/mnelap	053-999-457
Nevada DEP	https://ndep.nv.gov/water/lab-certification	WA01276
New Jersey DEP	https://dep.nj.gov/dsr/oqa/certified-laboratories/	WA005
New York DOH	https://www.wadsworth.org/regulatory/elap	12060
North Carolina DEQ	https://www.deq.nc.gov/about/divisions/water-resources/water-sciences/chemistry-laboratory/laboratory-certification-branch/non-field-lab-certification	WA01276
Ohio EPA	https://epa.ohio.gov/divisions-and-offices/drinking-and-ground-waters	87776
Oregon DEQ (NELAP)	https://www.oregon.gov/oha/PH/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx	WA100010
South Carolina DES	https://des.sc.gov/permits-regulations/laws-regulations-regulatory-updates/environmental-regulations/environmental-laboratory-certification	61002
Texas CEQ	https://www.tceq.texas.gov/agency/qa/env_lab_accreditation.html	T104704427
Washington DOE	https://ecology.wa.gov/regulations-permits/permits-certifications/laboratory-accreditation	C544
ALS Solutions	https://solutions.alsglobal.com/	NA

Analyses were performed in accordance with our laboratory's NELAP-approved Quality Assurance Program. A complete listing of NELAP and other certified analytes is available in ALS Solutions. For initial access to ALS Solutions, please contact your ALS Project Manager. If samples are submitted for compliance purposes, please consult the applicable certification and/or accreditation body's website. States highlighted above require that the specific method/analyte be included on the state certification when used for compliance purposes and when that method/analyte is offered by the state.

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LOD	Limit of Detection
LOQ	Limit of Quantitation
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Client: RSEC Inc **Service Request:** K2600722
Project: RSEC-Lanxess Kalama/LKC-0126

Sample Name: ISRW-1 **Date Collected:** 01/27/26
Lab Code: K2600722-001 **Date Received:** 01/27/26
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		MCRESWELL

Sample Name: ISRW-1 **Date Collected:** 01/27/26
Lab Code: K2600722-001.R01 **Date Received:** 01/27/26
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		MCRESWELL

Sample Name: ISRW-2b **Date Collected:** 01/27/26
Lab Code: K2600722-002 **Date Received:** 01/27/26
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		MCRESWELL

Sample Name: ISRW-2b **Date Collected:** 01/27/26
Lab Code: K2600722-002.R01 **Date Received:** 01/27/26
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		MCRESWELL

Sample Name: ISRW-3 **Date Collected:** 01/27/26
Lab Code: K2600722-003 **Date Received:** 01/27/26
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		MCRESWELL

Client:	RSEC Inc	**Service Request:**	K2600722
Project:	RSEC-Lanxess Kalama/LKC-0126		

Sample Name:	ISRW-3	**Date Collected:**	01/27/26
Lab Code:	K2600722-003.R01	**Date Received:**	01/27/26
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		MCRESWELL

Sample Name:	ISRW-4	**Date Collected:**	01/27/26
Lab Code:	K2600722-004	**Date Received:**	01/27/26
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		MCRESWELL

Sample Name:	ISRW-4	**Date Collected:**	01/27/26
Lab Code:	K2600722-004.R01	**Date Received:**	01/27/26
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		MCRESWELL

Sample Name:	ISRW-5	**Date Collected:**	01/27/26
Lab Code:	K2600722-005	**Date Received:**	01/27/26
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		MCRESWELL

Sample Name:	ISRW-5	**Date Collected:**	01/27/26
Lab Code:	K2600722-005.R01	**Date Received:**	01/27/26
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		MCRESWELL

Client: RSEC Inc **Service Request:** K2600722
Project: RSEC-Lanxess Kalama/LKC-0126

Sample Name: ISRW-6 **Date Collected:** 01/27/26
Lab Code: K2600722-006 **Date Received:** 01/27/26
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		MCRESWELL

Sample Name: ISRW-6 **Date Collected:** 01/27/26
Lab Code: K2600722-006.R01 **Date Received:** 01/27/26
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		MCRESWELL

Sample Name: ISRW-7 **Date Collected:** 01/27/26
Lab Code: K2600722-007 **Date Received:** 01/27/26
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		MCRESWELL

Sample Name: ISRW-8 **Date Collected:** 01/27/26
Lab Code: K2600722-008 **Date Received:** 01/27/26
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		MCRESWELL

Sample Name: ISRW-8 **Date Collected:** 01/27/26
Lab Code: K2600722-008.R01 **Date Received:** 01/27/26
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		MCRESWELL

Client: RSEC Inc **Service Request:** K2600722
Project: RSEC-Lanxess Kalama/LKC-0126

Sample Name: ISRW-9 **Date Collected:** 01/27/26
Lab Code: K2600722-009 **Date Received:** 01/27/26
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		MCRESWELL

Sample Name: ISRW-9 **Date Collected:** 01/27/26
Lab Code: K2600722-009.R01 **Date Received:** 01/27/26
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		MCRESWELL

Sample Name: ISRW-10 **Date Collected:** 01/27/26
Lab Code: K2600722-010 **Date Received:** 01/27/26
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		MCRESWELL

Sample Name: ISRW-10 **Date Collected:** 01/27/26
Lab Code: K2600722-010.R01 **Date Received:** 01/27/26
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		MCRESWELL

Sample Name: Trip Blank **Date Collected:** 01/27/26
Lab Code: K2600722-011 **Date Received:** 01/27/26
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		MCRESWELL

Sample Results

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
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Volatile Organic Compounds by GC/MS

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client:	RSEC Inc	**Service Request:**	K2600722
Project:	RSEC-Lanxess Kalama/LKC-0126	**Date Collected:**	01/27/26 11:00
Sample Matrix:	Water	**Date Received:**	01/27/26 15:45
Sample Name:	ISRW-1	**Units:**	ug/L
Lab Code:	K2600722-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	ND U	25	50	02/10/26 00:23	
Toluene	**19000**	250	500	02/09/26 20:53	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	68 - 117	02/10/26 00:23	
Dibromofluoromethane	115	73 - 122	02/10/26 00:23	
Toluene-d8	105	65 - 144	02/10/26 00:23	

Analytical Report

Client:	RSEC Inc	**Service Request:**	K2600722
Project:	RSEC-Lanxess Kalama/LKC-0126	**Date Collected:**	01/27/26 11:15
Sample Matrix:	Water	**Date Received:**	01/27/26 15:45
Sample Name:	ISRW-2b	**Units:**	ug/L
Lab Code:	K2600722-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	**52**	25	50	02/10/26 00:44	
Toluene	**25000**	250	500	02/09/26 21:14	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	68 - 117	02/10/26 00:44	
Dibromofluoromethane	115	73 - 122	02/10/26 00:44	
Toluene-d8	102	65 - 144	02/10/26 00:44	

Analytical Report

Client:	RSEC Inc	**Service Request:**	K2600722
Project:	RSEC-Lanxess Kalama/LKC-0126	**Date Collected:**	01/27/26 11:30
Sample Matrix:	Water	**Date Received:**	01/27/26 15:45
Sample Name:	ISRW-3	**Units:**	ug/L
Lab Code:	K2600722-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	ND U	130	250	02/10/26 01:05	
Toluene	**76000**	1300	2500	02/09/26 21:35	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	68 - 117	02/10/26 01:05	
Dibromofluoromethane	117	73 - 122	02/10/26 01:05	
Toluene-d8	103	65 - 144	02/10/26 01:05	

Analytical Report

Client:	RSEC Inc	**Service Request:**	K2600722
Project:	RSEC-Lanxess Kalama/LKC-0126	**Date Collected:**	01/27/26 11:45
Sample Matrix:	Water	**Date Received:**	01/27/26 15:45
Sample Name:	ISRW-4	**Units:**	ug/L
Lab Code:	K2600722-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	**3.4**	2.5	5	02/09/26 21:56	
Toluene	**970**	25	50	02/10/26 01:26	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	68 - 117	02/09/26 21:56	
Dibromofluoromethane	117	73 - 122	02/09/26 21:56	
Toluene-d8	106	65 - 144	02/09/26 21:56	

Analytical Report

Client:	RSEC Inc	**Service Request:**	K2600722
Project:	RSEC-Lanxess Kalama/LKC-0126	**Date Collected:**	01/27/26 12:00
Sample Matrix:	Water	**Date Received:**	01/27/26 15:45
Sample Name:	ISRW-5	**Units:**	ug/L
Lab Code:	K2600722-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	ND U	50	100	02/10/26 01:47	
Toluene	**17000**	500	1000	02/09/26 22:17	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	68 - 117	02/10/26 01:47	
Dibromofluoromethane	117	73 - 122	02/10/26 01:47	
Toluene-d8	105	65 - 144	02/10/26 01:47	

Analytical Report

Client:	RSEC Inc	**Service Request:**	K2600722
Project:	RSEC-Lanxess Kalama/LKC-0126	**Date Collected:**	01/27/26 12:15
Sample Matrix:	Water	**Date Received:**	01/27/26 15:45
Sample Name:	ISRW-6	**Units:**	ug/L
Lab Code:	K2600722-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	**24**	5.0	10	02/10/26 02:08	
Toluene	**5600**	50	100	02/09/26 22:38	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	68 - 117	02/10/26 02:08	
Dibromofluoromethane	114	73 - 122	02/10/26 02:08	
Toluene-d8	104	65 - 144	02/10/26 02:08	

Analytical Report

Client:	RSEC Inc	**Service Request:**	K2600722
Project:	RSEC-Lanxess Kalama/LKC-0126	**Date Collected:**	01/27/26 12:30
Sample Matrix:	Water	**Date Received:**	01/27/26 15:45
Sample Name:	ISRW-7	**Units:**	ug/L
Lab Code:	K2600722-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	ND U	0.50	1	02/09/26 22:59	
Toluene	ND U	0.50	1	02/09/26 22:59	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	68 - 117	02/09/26 22:59	
Dibromofluoromethane	120	73 - 122	02/09/26 22:59	
Toluene-d8	106	65 - 144	02/09/26 22:59	

Analytical Report

Client:	RSEC Inc	**Service Request:**	K2600722
Project:	RSEC-Lanxess Kalama/LKC-0126	**Date Collected:**	01/27/26 12:45
Sample Matrix:	Water	**Date Received:**	01/27/26 15:45
Sample Name:	ISRW-8	**Units:**	ug/L
Lab Code:	K2600722-008	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	**60**	50	100	02/10/26 02:29	
Toluene	**21000**	500	1000	02/09/26 23:20	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	68 - 117	02/10/26 02:29	
Dibromofluoromethane	115	73 - 122	02/10/26 02:29	
Toluene-d8	104	65 - 144	02/10/26 02:29	

Analytical Report

Client:	RSEC Inc	**Service Request:**	K2600722
Project:	RSEC-Lanxess Kalama/LKC-0126	**Date Collected:**	01/27/26 13:00
Sample Matrix:	Water	**Date Received:**	01/27/26 15:45
Sample Name:	ISRW-9	**Units:**	ug/L
Lab Code:	K2600722-009	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	ND U	25	50	02/10/26 02:50	
Toluene	**16000**	250	500	02/09/26 23:41	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	68 - 117	02/10/26 02:50	
Dibromofluoromethane	115	73 - 122	02/10/26 02:50	
Toluene-d8	104	65 - 144	02/10/26 02:50	

Analytical Report

Client:	RSEC Inc	**Service Request:**	K2600722
Project:	RSEC-Lanxess Kalama/LKC-0126	**Date Collected:**	01/27/26 13:15
Sample Matrix:	Water	**Date Received:**	01/27/26 15:45
Sample Name:	ISRW-10	**Units:**	ug/L
Lab Code:	K2600722-010	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	**120**	100	200	02/10/26 03:11	
Toluene	**66000**	1000	2000	02/10/26 00:02	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	68 - 117	02/10/26 03:11	
Dibromofluoromethane	118	73 - 122	02/10/26 03:11	
Toluene-d8	105	65 - 144	02/10/26 03:11	

Analytical Report

Client:	RSEC Inc	**Service Request:**	K2600722
Project:	RSEC-Lanxess Kalama/LKC-0126	**Date Collected:**	01/27/26
Sample Matrix:	Water	**Date Received:**	01/27/26 15:45
Sample Name:	Trip Blank	**Units:**	ug/L
Lab Code:	K2600722-011	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	ND U	0.50	1	02/09/26 20:32	
Toluene	ND U	0.50	1	02/09/26 20:32	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	68 - 117	02/09/26 20:32	
Dibromofluoromethane	115	73 - 122	02/09/26 20:32	
Toluene-d8	106	65 - 144	02/09/26 20:32	

QC Summary Forms

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www.alsglobal.com

Volatile Organic Compounds by GC/MS

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www.alsglobal.com

Client: RSEC Inc **Service Request:** K2600722
Project: RSEC-Lanxess Kalama/LKC-0126
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Extraction Method: None

Sample Name	Lab Code	4-Bromofluorobenzene 68 - 117	Dibromofluoromethane 73 - 122	Toluene-d8 65 - 144
ISRW-1	K2600722-001	96	115	105
ISRW-2b	K2600722-002	99	115	102
ISRW-3	K2600722-003	97	117	103
ISRW-4	K2600722-004	97	117	106
ISRW-5	K2600722-005	96	117	105
ISRW-6	K2600722-006	97	114	104
ISRW-7	K2600722-007	99	120	106
ISRW-8	K2600722-008	97	115	104
ISRW-9	K2600722-009	96	115	104
ISRW-10	K2600722-010	95	118	105
Trip Blank	K2600722-011	98	115	106
Lab Control Sample	KQ2601894-03	102	113	107
Duplicate Lab Control Sample	KQ2601894-04	103	114	105
Method Blank	KQ2601894-05	96	120	102

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client:	RSEC Inc	**Service Request:**	K2600722
Project:	RSEC-Lanxess Kalama/LKC-0126	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	KQ2601894-05	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	ND U	0.50	1	02/09/26 20:11	
Toluene	ND U	0.50	1	02/09/26 20:11	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	68 - 117	02/09/26 20:11	
Dibromofluoromethane	120	73 - 122	02/09/26 20:11	
Toluene-d8	102	65 - 144	02/09/26 20:11	

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client:	RSEC Inc	**Service Request:**	K2600722
Project:	RSEC-Lanxess Kalama/LKC-0126	**Date Analyzed:**	02/09/26
Sample Matrix:	Water	**Date Extracted:**	NA

Duplicate Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	**Units:**	ug/L
Prep Method:	None	**Basis:**	NA
		Analysis Lot:	909738

	Lab Control Sample KQ2601894-03			Duplicate Lab Control Sample KQ2601894-04					
Analyte Name	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Benzene	11.2	10.0	112	11.0	10.0	110	69-124	2	30
Toluene	10.1	10.0	101	9.97	10.0	100	69-124	2	30

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May 31, 2026

Analytical Report for Service Request No: K2603974

Rich Truax
RSEC Inc
958 Hood View Ct.
Hood River, OR 97031

RE: LKC- Kalama / LKC-0426

Dear Rich,

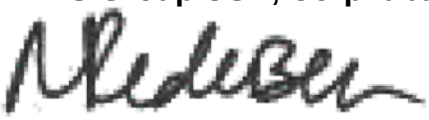
Enclosed are the results of the sample(s) submitted to our laboratory April 21, 2026
For your reference, these analyses have been assigned our service request number **K2603974.**

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current NELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. All results are intended to be considered in their entirety, and ALS Group USA Corp. dba ALS Environmental (ALS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please contact me if you have any questions. My extension is 3261. You may also contact me via email at Hayleigh.Smith@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental



For Hayleigh Smith
Project Manager

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Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LOD	Limit of Detection
LOQ	Limit of Quantitation
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Inorganic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated value.
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
i	The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
X	See case narrative.
Q	See case narrative. One or more quality control criteria was outside the limits.
H	The holding time for this test is immediately following sample collection. The samples were analyzed as soon as possible after receipt by the laboratory.

Metals Data Qualifiers

#	The control limit criteria is not applicable.
J	The result is an estimated value.
E	The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
M	The duplicate injection precision was not met.
N	The Matrix Spike sample recovery is not within control limits. See case narrative.
S	The reported value was determined by the Method of Standard Additions (MSA).
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
W	The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
i	The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
X	See case narrative.
+	The correlation coefficient for the MSA is less than 0.995.
Q	See case narrative. One or more quality control criteria was outside the limits.

Organic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
A	A tentatively identified compound, a suspected aldol-condensation product.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
C	The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
D	The reported result is from a dilution.
E	The result is an estimated value.
J	The result is an estimated value.
N	The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
P	The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results.
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
i	The MRL/MDL or LOQ/LOD is elevated due to a chromatographic interference.
X	See case narrative.
Q	See case narrative. One or more quality control criteria was outside the limits.

Additional Petroleum Hydrocarbon Specific Qualifiers

F	The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
L	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
H	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
O	The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
Y	The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
Z	The chromatographic fingerprint does not resemble a petroleum product.

ALS Group USA Corp. dba ALS Environmental (ALS) - Kelso
State Certifications, Accreditations, and Licenses

Agency	Website	Number
Alaska DEC	https://dec.alaska.gov/spar/csp/lab-approval/	17-004
Arizona DHS	https://www.azdhs.gov/preparedness/state-laboratory/lab-licensure-certification/index.php	AZ0339
Arkansas DEQ	https://www.adeq.state.ar.us/techsvs/lab_cert/	88-00637
California WB (ELAP)	https://www.waterboards.ca.gov/drinking_water/certlic/labs/index.html	2795
DOD ELAP	https://www.denix.osd.mil/edqw/accreditation/accreditedlabs/	65188
Florida DOH	https://www.floridahealth.gov/licensing-regulations/regulated-facilities/environmental-laboratories/	E87412
ISO 17025	https://www.pjlabs.com/	65188
Louisiana DEQ	https://www.deq.louisiana.gov/page/la-lab-accreditation	03016
Maine DHHS	https://www.maine.gov/dhhs/mecdc/services/business-services/laboratory-accreditation	WA01276
Minnesota DOH	https://www.health.state.mn.us/communities/environment/mnelap	053-999-457
Nevada DEP	https://ndep.nv.gov/water/lab-certification	WA01276
New Jersey DEP	https://dep.nj.gov/dsr/oqa/certified-laboratories/	WA005
New York DOH	https://www.wadsworth.org/regulatory/elap	12060
North Carolina DEQ	https://www.deq.nc.gov/about/divisions/water-resources/water-sciences/chemistry-laboratory/laboratory-certification-branch/non-field-lab-certification	WA01276
Ohio EPA	https://epa.ohio.gov/divisions-and-offices/drinking-and-ground-waters	87776
Oregon DEQ (NELAP)	https://www.oregon.gov/oha/PH/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx	WA100010
South Carolina DES	https://des.sc.gov/permits-regulations/laws-regulations-regulatory-updates/environmental-regulations/environmental-laboratory-certification	61002
Texas CEQ	https://www.tceq.texas.gov/agency/qa/env_lab_accreditation.html	T104704427
Washington DOE	https://ecology.wa.gov/regulations-permits/permits-certifications/laboratory-accreditation	C544
ALS Solutions	https://solutions.alsglobal.com/	NA

Analyses were performed in accordance with our laboratory's NELAP-approved Quality Assurance Program. A complete listing of NELAP and other certified analytes is available in ALS Solutions. For initial access to ALS Solutions, please contact your ALS Project Manager. If samples are submitted for compliance purposes, please consult the applicable certification and/or accreditation body's website. States highlighted above require that the specific method/analyte be included on the state certification when used for compliance purposes and when that method/analyte is offered by the state.

Case Narrative

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Client: RSEC Inc
Project: LKC- Kalama
Sample Matrix: Water

Service Request: K2603974
Date Received: 04/21/2026

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier II level requested by the client.

Sample Receipt:

Twenty six water samples were received for analysis at ALS Environmental on 04/21/2026. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

Semivolatiles by GC/MS:

No significant anomalies were noted with this analysis.

Subcontracted Analytical Parameters:

Diphenyl Ether
This analysis was performed at ALS Environmental Waterloo in Ontario, Canada. The data for this analysis is included in the corresponding section of this report.

Volatiles by GC/MS:

Method 8260C, 04/30/2026: Numerous samples required dilutions due to the presence of elevated levels of target and/or non-target analytes. The reporting limits are adjusted to reflect the dilutions.

Approved by _____ Date 05/20/2026

Chain of Custody

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CHAIN OF CUSTODY

SR# KJ603974

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PAGE ____ OF ____ COC# ____

PROJECT NAME	LKC-Kalama
PROJECT NUMBER	LKC-0426
PROJECT MANAGER	Rich Truax
COMPANY NAME	RSEC Environmental
ADDRESS	958 Hood View Ct.
CITY/STATE/ZIP	Hood River OR 97031
E-MAIL ADDRESS	rsec.richa@outlook.com
PHONE #	541-490-4223 FAX#
SAMPLER'S SIGNATURE	

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	NUMBER OF CONTAINERS	Semivolatile Organics by GC/MS 625☐ 8270☐ 8270LL☒ SIM PAH☐	Volatile Organics 624☐ 8260☒ 8021☐ BTEX☐	Hydrocarbons (*see below) Gas☐ Diesel☐ Oil☐	Oil & Grease/TRPH 1664 HEM☐ 1664 SGT☐	PCBs Aroclors☐ Congeners☐	Pesticides/Herbicides 608☐ 8081☐ 8141☐ 8151☐	Chlorophenolics - 8151M Tri☐ Tetra☐ PCP☐	Metals, Total or Dissolved (See List below)	Cyanide☐ Hex-Chrom☐	(circle) pH, Cond., Cl, SO_4, PO_4, F, NO_2, NO_3, BOD, TSS, TDS, Turb.	(circle) NH_3-N, COD, TKN, TOC, DOC, NO_2+NO_3, T-Phos	TOX 9020☐ AOX 1650☐ 506☐	Alkalinity ☐ CO_3☐ HCO_3☐	Dioxins/Furans 1613☐ 8290☐	Dissolved Gases RSK 175☐ CO_2☐ Methane☐ Ethane☐ Ethene☐	REMARKS
MW-250	4/20/26	1200		GW	3		☒															
MW-239	4/20	1230																				
MW-97	4/20	1300																				
KC-14	4/20	1330																				
MW-243	4/20/26	1400																				
Trip Blank		—		LAB	3		☒															
NIA-East	4/20	1130		GW	7	X																biphenyl+DPO
NIA-West	4/20	1145			7	X																— " —

REPORT REQUIREMENTS

- ☒ I. Routine Report: Method Blank, Surrogate, as required
- ___ II. Report Dup., MS, MSD as required
- ___ III. CLP Like Summary (no raw data)
- ___ IV. Data Validation Report
- ___ V. EDD

INVOICE INFORMATION

P.O. # LKC-0426

Bill To: rsec.richa@outlook.com

TURNAROUND REQUIREMENTS

____ 24 hr. ____ 48 hr.

____ 5 day

☒ Standard (15 working days)

____ Provide FAX Results

Requested Report Date

Circle which metals are to be analyzed:

Total Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Tl Sn V Zn Hg

Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Tl Sn V Zn Hg

*INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: ____ (CIRCLE ONE)

SPECIAL INSTRUCTIONS/COMMENTS:

8260 Benzene + Toluene ☒

All Samples MDL reporting.

8270: biphenyl-2 1L amber / DPO-2 125ml

☐ Sample Shipment contains USDA regulated soil samples (check box if applicable)

Container Supply Number

137210

RELINQUISHED BY:		RECEIVED BY:		RELINQUISHED BY:		RECEIVED BY:	
Signature	Date/Time 4/21/26 3:20p	Signature	Date/Time 4/21/26 1526	Signature	Date/Time	Signature	Date/Time
Printed Name Rich	Firm RSEC	Printed Name M Mulligan	Firm ALS	Printed Name	Firm	Printed Name	Firm

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CHAIN OF CUSTODY

SR# K1603974

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PAGE _____ OF _____ COC# _____

PROJECT NAME	LKC-Kalama
PROJECT NUMBER	LKC-0426
PROJECT MANAGER	Rich Trujex
COMPANY NAME	RSEC Environmental
ADDRESS	958 Hood View Ct.
CITY/STATE/ZIP	Hood River, OR. 97031
E-MAIL ADDRESS	rsec.rich@outlook.com
PHONE # / FAX #	541-490-4223
SAMPLER'S SIGNATURE	

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	NUMBER OF CONTAINERS
ISRW-1	4/2/26	0900		GW	3
ISRW-2b		0915			
ISRW-3		0930			
ISRW-4		0945			
ISRW-5		1000			
ISRW-6		1015			
ISRW-7		1030			
ISRW-8		1045			
ISRW-9		1100			
ISRW-10		1115			

Semivolatile Organics by GC/MS 625☐ 8270☐ 8270L☐ SIM PAH☐
Volatile Organics 624☐ 8260☐ 8021☐ BTEX☐
Hydrocarbons (*see below) Gas☐ Diesel☐ Oil☐
Oil & Grease/TRPH 1664 HEM☐ 1664 SGT☐
PCBs Aroclors☐ Congeners☐
Pesticides/Herbicides 608☐ 8081☐ 8141☐ 8151☐
Chlorophenolics - 8151M Tri☐ Tetra☐ PCP☐
Metals, Total or Dissolved (See List below)
Cyanide☐ Hex-Chrom☐
(circle) pH, Cond., Cl, SO_4, PO_4, F, NO_2, NO_3, BOD, TSS, TDS, Turb.
(circle) NH_3-N, COD, TKN, TOC, DOC, NO_2+NO_3, T-Phos
TOX 9020☐ AOX 1650☐ 506☐
Alkalinity ☐ CO_3☐ HCO_3☐
Dioxins/Furans 1613☐ 8290☐
Dissolved Gases CO_2☐ RSK 175☐Methane☐Ethane☐Ethene☐

REMARKS

REPORT REQUIREMENTS

- X I. Routine Report: Method Blank, Surrogate, as required
- ___ II. Report Dup., MS, MSD as required
- ___ III. CLP Like Summary (no raw data)
- ___ IV. Data Validation Report
- ___ V. EDD

INVOICE INFORMATION

P.O. # LKC-0426
Bill To: rsec.rich@outlook.com

TURNAROUND REQUIREMENTS

____ 24 hr. ____ 48 hr.
____ 5 day
X Standard (15 working days)
____ Provide FAX Results

Requested Report Date

Circle which metals are to be analyzed:

Total Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Tl Sn V Zn Hg

Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Tl Sn V Zn Hg

*INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: _____ (CIRCLE ONE)

SPECIAL INSTRUCTIONS/COMMENTS:

8260 Benzene + Toluene/MDL Reporting Please ☺

Container Supply Number 140783

☐ Sample Shipment contains USDA regulated soil samples (check box if applicable)

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Signature: 4/2/26 3:20p	Signature: M. Mulligan 4/21/26 1520	Signature	Signature
Date/Time	Date/Time	Date/Time	Date/Time
Printed Name: Rich / Firm: RSEC	Printed Name: M. Mulligan / Firm: ALS	Printed Name / Firm	Printed Name / Firm

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CHAIN OF CUSTODY

SR# _____

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PAGE _____ OF _____ COC# _____

PROJECT NAME	LKC-Kalama
PROJECT NUMBER	LKC-0426
PROJECT MANAGER	Rich Truex
COMPANY NAME	RSEC Environmental
ADDRESS	958 Hood View Ct.
CITY/STATE/ZIP	Hood River, OR 97031
E-MAIL ADDRESS	rsec.rich@outlook.com
PHONE #	541-490-4223 FAX #
SAMPLER'S SIGNATURE	

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	NUMBER OF CONTAINERS	Semivolatile Organics by GC/MS 625☐ 8270☐ 8270LL☐ SIM PAH☐	Volatile Organics 624☐ 8260☐ 8021☐ BTEX☐	Hydrocarbons (*see below) Gas☐ Diesel☐ Oil☐	Oil & Grease/TRPH 1664 SGT☐ 1664 HEM☐	PCBs Aroclors☐ Congeners☐	Pesticides/Herbicides 608☐ 8081☐ 8141☐ 8151☐	Chlorophenolics - 8151M Tri☐ Tetra☐ PCP☐	Metals, Total or Dissolved (See List below)	Cyanide☐ Hex-Chrom☐	(circle) pH, Cond., Cl, SO_4, PO_4, F, NO_2, NO_3, BOD, TSS, TDS, Turb.	(circle) NH_3-N, COD, TKN, TOC, DOC, NO_2+NO_3, T-Phos	TOX 9020☐ AOX 1650☐ 506☐	Alkalinity ☐ CO_3☐ HCO_3☐	Dioxins/Furans 1613☐ 8290☐	Dissolved Gases CO_2☐ RSK 175☐ Methane☐ Ethane☐ Ethene☐	REMARKS
MW-245	4/21/26	1300		GW	2	X															DPO
MW-256	4/21/26	1400			2	X															DPO
KC-9	4/21/26	1210			5	X	X														BT/DPO
PDW-117	4/21/26	1545			5	X	X														BT/DPO
PZ-104	4/21/26	0945			7	X	X														BT, biphenyl, DPO, DEHP
MW-401	4/21/26	1000			7	X	X														
PZ-107	4/21/26	1100			7	X	X														-11-
USRW-2	4/20/26	1245			2	X															DPO

REPORT REQUIREMENTS

- X I. Routine Report: Method Blank, Surrogate, as required
- ___ II. Report Dup., MS, MSD as required
- ___ III. CLP Like Summary (no raw data)
- ___ IV. Data Validation Report
- ___ V. EDD

INVOICE INFORMATION

P.O. # LKC-0426

Bill To: rsec.rich@outlook.com

TURNAROUND REQUIREMENTS

___ 24 hr. ___ 48 hr.

___ 5 day

X Standard (15 working days)

___ Provide FAX Results

Requested Report Date

Circle which metals are to be analyzed:

Total Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Tl Sn V Zn Hg

Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Tl Sn V Zn Hg

*INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: _____ (CIRCLE ONE)

SPECIAL INSTRUCTIONS/COMMENTS:

MDL Reporting.
8260 - benzene, toluene
DPO - 2.125ml.
Samples 104, 401, 107: benzene, toluene/8270: DPO, biphenyl, and bis(2-ethylhexyl)phthalate.

☐ Sample Shipment contains USDA regulated soil samples (check box if applicable)

Container Supply Number

137210

RELINQUISHED BY:		RECEIVED BY:		RELINQUISHED BY:		RECEIVED BY:	
Signature	Date/Time 4/21/26 3:20p	Signature M. Milligan	Date/Time 4/21/26 520	Signature	Date/Time	Signature	Date/Time
Printed Name	Firm RSEC	Printed Name M. Milligan	Firm ALS	Printed Name	Firm	Printed Name	Firm

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Cooler Receipt and Preservation Form

PM HS

Client RSEC Environmental Service Request K26 23974

Received: 4-21-26 Opened: 4-21-26 By: KL Unloaded: 4-21-26 By: KL

1. Samples were received via? *USPS* *Fed Ex* *UPS* *DHL* *PDX* *Courier* *Hand Delivered*
2. Samples were received in: (circle) *Cooler* *Box* *Envelope* *Other* _____ *NA*
3. Were custody seals on coolers? NA Y N If yes, how many and where? _____
   If present, were custody seals intact? Y N If present, were they signed and dated? Y N

Temp Blank	Sample Temp	IR Gun	Cooler #/COC ID / NA	Out of temp indicate with "X"	PM Notified If out of temp	Tracking Number / NA	Filed
3.7		IR06					
3.7		↓					
5.7		↓					

4. Was a Temperature Blank present in cooler? NA Y N If yes, notate the temperature in the appropriate column below:
   If no, take the temperature of a representative sample bottle contained within the cooler; notate in the column "Sample Temp":
5. Were samples received within the method specified temperature ranges? NA Y N
   If no, were they received on ice and same day as collected? If not, notate the cooler # below and notify the PM. NA Y N

If applicable, tissue samples were received: *Frozen* *Partially Thawed* *Thawed*

6. Packing material: *Inserts* *Baggies* *Bubble Wrap* *Gel Packs* *Wet Ice* *Dry Ice* *Sleeves* _____
7. Were custody papers properly filled out (ink, signed, etc.)? NA Y N
8. Were samples received in good condition (unbroken) NA Y N
9. Were all sample labels complete (ie, analysis, preservation, etc.)? NA Y N
10. Did all sample labels and tags agree with custody papers? NA Y N
11. Were appropriate bottles/containers and volumes received for the tests indicated? NA Y N
12. Were the pH-preserved bottles (*see SMO GEN SOP*) received at the appropriate pH? *Indicate in the table below* NA Y N
13. Were VOA vials received without headspace? *Indicate in the table below.* NA Y N
14. Was C12/Res negative? NA Y N
15. Were samples received within method specified time limit? If not, notate the error below and notify the PM. NA Y KL N
16. Were 100mL sterile microbiology bottles filled exactly to the 100mL mark? NA Y N Underfilled Overfilled

Sample ID on Bottle	Sample ID on COC	Identified by:

Sample ID	Bottle Count Bottle Type	Head-space	Broke	pH	Reagent	Volume added	Reagent Lot Number	Initials	Time

Notes, Discrepancies, Resolutions: _____

Volatile Organic Compounds by GC/MS

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360)577-7222 Fax (360)636-1068
www.alsglobal.com

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client:	RSEC Inc	**Service Request:**	K2603974
Project:	LKC- Kalama/LKC-0426	**Date Collected:**	04/20/26 12:00
Sample Matrix:	Water	**Date Received:**	04/21/26 15:20
Sample Name:	MW-250	**Units:**	ug/L
Lab Code:	K2603974-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	ND U	0.50	1	04/27/26 12:22	
Toluene	ND U	0.50	1	04/27/26 12:22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	91	68 - 117	04/27/26 12:22	
Dibromofluoromethane	100	73 - 122	04/27/26 12:22	
Toluene-d8	97	65 - 144	04/27/26 12:22	

Analytical Report

Client:	RSEC Inc	**Service Request:**	K2603974
Project:	LKC- Kalama/LKC-0426	**Date Collected:**	04/20/26 12:30
Sample Matrix:	Water	**Date Received:**	04/21/26 15:20
Sample Name:	MW-239	**Units:**	ug/L
Lab Code:	K2603974-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	**0.67**	0.50	1	04/27/26 12:43	
Toluene	**12**	0.50	1	04/27/26 12:43	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	90	68 - 117	04/27/26 12:43	
Dibromofluoromethane	98	73 - 122	04/27/26 12:43	
Toluene-d8	102	65 - 144	04/27/26 12:43	

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Analytical Report

Client:	RSEC Inc	**Service Request:**	K2603974
Project:	LKC- Kalama/LKC-0426	**Date Collected:**	04/20/26 13:00
Sample Matrix:	Water	**Date Received:**	04/21/26 15:20
Sample Name:	MW-97	**Units:**	ug/L
Lab Code:	K2603974-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	**0.53**	0.50	1	04/27/26 13:04	
Toluene	**7.3**	0.50	1	04/27/26 13:04	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	89	68 - 117	04/27/26 13:04	
Dibromofluoromethane	99	73 - 122	04/27/26 13:04	
Toluene-d8	102	65 - 144	04/27/26 13:04	

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Analytical Report

Client:	RSEC Inc	**Service Request:**	K2603974
Project:	LKC- Kalama/LKC-0426	**Date Collected:**	04/20/26 13:30
Sample Matrix:	Water	**Date Received:**	04/21/26 15:20
Sample Name:	KC-14	**Units:**	ug/L
Lab Code:	K2603974-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	ND U	0.50	1	04/27/26 13:25	
Toluene	ND U	0.50	1	04/27/26 13:25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	90	68 - 117	04/27/26 13:25	
Dibromofluoromethane	100	73 - 122	04/27/26 13:25	
Toluene-d8	103	65 - 144	04/27/26 13:25	

Analytical Report

Client:	RSEC Inc	**Service Request:**	K2603974
Project:	LKC- Kalama/LKC-0426	**Date Collected:**	04/20/26 14:00
Sample Matrix:	Water	**Date Received:**	04/21/26 15:20
Sample Name:	MW-243	**Units:**	ug/L
Lab Code:	K2603974-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	ND U	0.50	1	04/27/26 13:46	
Toluene	ND U	0.50	1	04/27/26 13:46	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	88	68 - 117	04/27/26 13:46	
Dibromofluoromethane	100	73 - 122	04/27/26 13:46	
Toluene-d8	100	65 - 144	04/27/26 13:46	

Analytical Report

Client:	RSEC Inc	**Service Request:**	K2603974
Project:	LKC- Kalama/LKC-0426	**Date Collected:**	04/20/26 12:00
Sample Matrix:	Water	**Date Received:**	04/21/26 15:20
Sample Name:	Trip Blank	**Units:**	ug/L
Lab Code:	K2603974-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	ND U	0.50	1	04/27/26 12:01	
Toluene	ND U	0.50	1	04/27/26 12:01	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	90	68 - 117	04/27/26 12:01	
Dibromofluoromethane	98	73 - 122	04/27/26 12:01	
Toluene-d8	101	65 - 144	04/27/26 12:01	

Analytical Report

Client:	RSEC Inc	**Service Request:**	K2603974
Project:	LKC- Kalama/LKC-0426	**Date Collected:**	04/20/26 11:30
Sample Matrix:	Water	**Date Received:**	04/21/26 15:20
Sample Name:	NIA-East	**Units:**	ug/L
Lab Code:	K2603974-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	ND U	0.50	1	04/27/26 14:07	
Toluene	ND U	0.50	1	04/27/26 14:07	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	91	68 - 117	04/27/26 14:07	
Dibromofluoromethane	97	73 - 122	04/27/26 14:07	
Toluene-d8	99	65 - 144	04/27/26 14:07	

Analytical Report

Client:	RSEC Inc	**Service Request:**	K2603974
Project:	LKC- Kalama/LKC-0426	**Date Collected:**	04/20/26 11:45
Sample Matrix:	Water	**Date Received:**	04/21/26 15:20
Sample Name:	NIA-West	**Units:**	ug/L
Lab Code:	K2603974-008	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	**5.3**	0.50	1	04/27/26 14:28	
Toluene	ND U	0.50	1	04/27/26 14:28	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	89	68 - 117	04/27/26 14:28	
Dibromofluoromethane	97	73 - 122	04/27/26 14:28	
Toluene-d8	102	65 - 144	04/27/26 14:28	

Analytical Report

Client:	RSEC Inc	**Service Request:**	K2603974
Project:	LKC- Kalama/LKC-0426	**Date Collected:**	04/20/26 09:00
Sample Matrix:	Water	**Date Received:**	04/21/26 15:20
Sample Name:	ISRW-1	**Units:**	ug/L
Lab Code:	K2603974-009	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	ND U	13	25	04/27/26 18:19	
Toluene	**18000**	130	250	04/27/26 15:10	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	91	68 - 117	04/27/26 18:19	
Dibromofluoromethane	98	73 - 122	04/27/26 18:19	
Toluene-d8	103	65 - 144	04/27/26 18:19	

Analytical Report

Client:	RSEC Inc	**Service Request:**	K2603974
Project:	LKC- Kalama/LKC-0426	**Date Collected:**	04/20/26 09:15
Sample Matrix:	Water	**Date Received:**	04/21/26 15:20
Sample Name:	ISRW-2b	**Units:**	ug/L
Lab Code:	K2603974-010	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	ND U	250	500	04/27/26 18:40	
Toluene	**36000**	250	500	04/27/26 18:40	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	89	68 - 117	04/27/26 18:40	
Dibromofluoromethane	97	73 - 122	04/27/26 18:40	
Toluene-d8	101	65 - 144	04/27/26 18:40	

Analytical Report

Client:	RSEC Inc	**Service Request:**	K2603974
Project:	LKC- Kalama/LKC-0426	**Date Collected:**	04/20/26 09:30
Sample Matrix:	Water	**Date Received:**	04/21/26 15:20
Sample Name:	ISRW-3	**Units:**	ug/L
Lab Code:	K2603974-011	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	ND U	250	500	04/27/26 19:01	
Toluene	**61000**	2500	5000	04/27/26 15:52	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	92	68 - 117	04/27/26 19:01	
Dibromofluoromethane	96	73 - 122	04/27/26 19:01	
Toluene-d8	97	65 - 144	04/27/26 19:01	

Analytical Report

Client:	RSEC Inc	**Service Request:**	K2603974
Project:	LKC- Kalama/LKC-0426	**Date Collected:**	04/20/26 09:45
Sample Matrix:	Water	**Date Received:**	04/21/26 15:20
Sample Name:	ISRW-4	**Units:**	ug/L
Lab Code:	K2603974-012	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	**13**	13	25	04/27/26 19:22	
Toluene	**2800**	130	250	04/27/26 16:13	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	92	68 - 117	04/27/26 19:22	
Dibromofluoromethane	98	73 - 122	04/27/26 19:22	
Toluene-d8	103	65 - 144	04/27/26 19:22	

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Analytical Report

Client:	RSEC Inc	**Service Request:**	K2603974
Project:	LKC- Kalama/LKC-0426	**Date Collected:**	04/20/26 10:00
Sample Matrix:	Water	**Date Received:**	04/21/26 15:20
Sample Name:	ISRW-5	**Units:**	ug/L
Lab Code:	K2603974-013	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	ND U	100	200	04/27/26 19:43	
Toluene	**28000**	1000	2000	04/27/26 16:34	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	68 - 117	04/27/26 19:43	
Dibromofluoromethane	98	73 - 122	04/27/26 19:43	
Toluene-d8	99	65 - 144	04/27/26 19:43	

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Analytical Report

Client:	RSEC Inc	**Service Request:**	K2603974
Project:	LKC- Kalama/LKC-0426	**Date Collected:**	04/20/26 10:15
Sample Matrix:	Water	**Date Received:**	04/21/26 15:20
Sample Name:	ISRW-6	**Units:**	ug/L
Lab Code:	K2603974-014	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	ND U	50	100	04/27/26 20:04	
Toluene	**11000**	500	1000	04/27/26 16:55	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	91	68 - 117	04/27/26 20:04	
Dibromofluoromethane	98	73 - 122	04/27/26 20:04	
Toluene-d8	102	65 - 144	04/27/26 20:04	

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Analytical Report

Client:	RSEC Inc	**Service Request:**	K2603974
Project:	LKC- Kalama/LKC-0426	**Date Collected:**	04/20/26 10:30
Sample Matrix:	Water	**Date Received:**	04/21/26 15:20
Sample Name:	ISRW-7	**Units:**	ug/L
Lab Code:	K2603974-015	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	ND U	0.50	1	04/27/26 17:16	
Toluene	ND U	0.50	1	04/27/26 17:16	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	89	68 - 117	04/27/26 17:16	
Dibromofluoromethane	98	73 - 122	04/27/26 17:16	
Toluene-d8	100	65 - 144	04/27/26 17:16	

Analytical Report

Client:	RSEC Inc	**Service Request:**	K2603974
Project:	LKC- Kalama/LKC-0426	**Date Collected:**	04/20/26 10:45
Sample Matrix:	Water	**Date Received:**	04/21/26 15:20
Sample Name:	ISRW-8	**Units:**	ug/L
Lab Code:	K2603974-016	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	**62**	50	100	04/27/26 20:25	
Toluene	**22000**	500	1000	04/27/26 17:37	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	68 - 117	04/27/26 20:25	
Dibromofluoromethane	100	73 - 122	04/27/26 20:25	
Toluene-d8	99	65 - 144	04/27/26 20:25	

Analytical Report

Client:	RSEC Inc	**Service Request:**	K2603974
Project:	LKC- Kalama/LKC-0426	**Date Collected:**	04/20/26 11:00
Sample Matrix:	Water	**Date Received:**	04/21/26 15:20
Sample Name:	ISRW-9	**Units:**	ug/L
Lab Code:	K2603974-017	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	ND U	130	250	04/27/26 20:46	
Toluene	**26000**	1300	2500	04/27/26 17:58	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	91	68 - 117	04/27/26 20:46	
Dibromofluoromethane	97	73 - 122	04/27/26 20:46	
Toluene-d8	103	65 - 144	04/27/26 20:46	

Analytical Report

Client:	RSEC Inc	**Service Request:**	K2603974
Project:	LKC- Kalama/LKC-0426	**Date Collected:**	04/20/26 11:15
Sample Matrix:	Water	**Date Received:**	04/21/26 15:20
Sample Name:	ISRW-10	**Units:**	ug/L
Lab Code:	K2603974-018	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	**110**	100	200	05/01/26 22:14	
Toluene	**85000**	1000	2000	05/01/26 21:53	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	68 - 117	05/01/26 22:14	
Dibromofluoromethane	101	73 - 122	05/01/26 22:14	
Toluene-d8	103	65 - 144	05/01/26 22:14	

Analytical Report

Client:	RSEC Inc	**Service Request:**	K2603974
Project:	LKC- Kalama/LKC-0426	**Date Collected:**	04/21/26 12:10
Sample Matrix:	Water	**Date Received:**	04/21/26 15:20
Sample Name:	KC-9	**Units:**	ug/L
Lab Code:	K2603974-021	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	ND U	0.50	1	05/01/26 21:32	
Toluene	ND U	0.50	1	05/01/26 21:32	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	92	68 - 117	05/01/26 21:32	
Dibromofluoromethane	101	73 - 122	05/01/26 21:32	
Toluene-d8	102	65 - 144	05/01/26 21:32	

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Analytical Report

Client:	RSEC Inc	**Service Request:**	K2603974
Project:	LKC- Kalama/LKC-0426	**Date Collected:**	04/21/26 15:45
Sample Matrix:	Water	**Date Received:**	04/21/26 15:20
Sample Name:	PDW-117	**Units:**	ug/L
Lab Code:	K2603974-022	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	ND U	0.50	1	04/30/26 21:32	
Toluene	ND U	0.50	1	04/30/26 21:32	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	91	68 - 117	04/30/26 21:32	
Dibromofluoromethane	98	73 - 122	04/30/26 21:32	
Toluene-d8	101	65 - 144	04/30/26 21:32	

Analytical Report

Client:	RSEC Inc	**Service Request:**	K2603974
Project:	LKC- Kalama/LKC-0426	**Date Collected:**	04/21/26 09:45
Sample Matrix:	Water	**Date Received:**	04/21/26 15:20
Sample Name:	PZ-104	**Units:**	ug/L
Lab Code:	K2603974-023	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	**3.9**	0.50	1	04/30/26 21:53	
Toluene	**1.4**	0.50	1	04/30/26 21:53	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	91	68 - 117	04/30/26 21:53	
Dibromofluoromethane	98	73 - 122	04/30/26 21:53	
Toluene-d8	101	65 - 144	04/30/26 21:53	

Analytical Report

Client:	RSEC Inc	**Service Request:**	K2603974
Project:	LKC- Kalama/LKC-0426	**Date Collected:**	04/21/26 10:00
Sample Matrix:	Water	**Date Received:**	04/21/26 15:20
Sample Name:	MW-401	**Units:**	ug/L
Lab Code:	K2603974-024	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	**3.9**	0.50	1	04/30/26 22:14	
Toluene	**1.5**	0.50	1	04/30/26 22:14	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	68 - 117	04/30/26 22:14	
Dibromofluoromethane	96	73 - 122	04/30/26 22:14	
Toluene-d8	99	65 - 144	04/30/26 22:14	

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Analytical Report

Client:	RSEC Inc	**Service Request:**	K2603974
Project:	LKC- Kalama/LKC-0426	**Date Collected:**	04/21/26 11:00
Sample Matrix:	Water	**Date Received:**	04/21/26 15:20
Sample Name:	PZ-107	**Units:**	ug/L
Lab Code:	K2603974-025	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	ND U	0.50	1	04/30/26 22:35	
Toluene	ND U	0.50	1	04/30/26 22:35	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	91	68 - 117	04/30/26 22:35	
Dibromofluoromethane	98	73 - 122	04/30/26 22:35	
Toluene-d8	103	65 - 144	04/30/26 22:35	

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Analytical Report

Client:	RSEC Inc	**Service Request:**	K2603974
Project:	LKC- Kalama/LKC-0426	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	KQ2606767-05	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	ND U	0.50	1	04/27/26 11:40	
Toluene	ND U	0.50	1	04/27/26 11:40	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	89	68 - 117	04/27/26 11:40	
Dibromofluoromethane	98	73 - 122	04/27/26 11:40	
Toluene-d8	103	65 - 144	04/27/26 11:40	

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Analytical Report

Client:	RSEC Inc	**Service Request:**	K2603974
Project:	LKC- Kalama/LKC-0426	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	KQ2607196-05	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	ND U	0.50	1	04/30/26 16:16	
Toluene	ND U	0.50	1	04/30/26 16:16	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	68 - 117	04/30/26 16:16	
Dibromofluoromethane	99	73 - 122	04/30/26 16:16	
Toluene-d8	102	65 - 144	04/30/26 16:16	

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Analytical Report

Client:	RSEC Inc	**Service Request:**	K2603974
Project:	LKC- Kalama/LKC-0426	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	KQ2607342-05	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	ND U	0.50	1	05/01/26 14:52	
Toluene	ND U	0.50	1	05/01/26 14:52	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	68 - 117	05/01/26 14:52	
Dibromofluoromethane	102	73 - 122	05/01/26 14:52	
Toluene-d8	98	65 - 144	05/01/26 14:52	

Client: RSEC Inc **Service Request:** K2603974
Project: LKC- Kalama/LKC-0426
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Extraction Method: None

Sample Name	Lab Code	4-Bromofluorobenzene 68 - 117	Dibromofluoromethane 73 - 122	Toluene-d8 65 - 144
MW-250	K2603974-001	91	100	97
MW-239	K2603974-002	90	98	102
MW-97	K2603974-003	89	99	102
KC-14	K2603974-004	90	100	103
MW-243	K2603974-005	88	100	100
Trip Blank	K2603974-006	90	98	101
NIA-East	K2603974-007	91	97	99
NIA-West	K2603974-008	89	97	102
ISRW-1	K2603974-009	91	98	103
ISRW-2b	K2603974-010	89	97	101
ISRW-3	K2603974-011	92	96	97
ISRW-4	K2603974-012	92	98	103
ISRW-5	K2603974-013	94	98	99
ISRW-6	K2603974-014	91	98	102
ISRW-7	K2603974-015	89	98	100
ISRW-8	K2603974-016	93	100	99
ISRW-9	K2603974-017	91	97	103
ISRW-10	K2603974-018	93	101	103
KC-9	K2603974-021	92	101	102
PDW-117	K2603974-022	91	98	101
PZ-104	K2603974-023	91	98	101
MW-401	K2603974-024	94	96	99
PZ-107	K2603974-025	91	98	103
Lab Control Sample	KQ2606767-03	95	99	103
Duplicate Lab Control Sample	KQ2606767-04	96	97	103
Method Blank	KQ2606767-05	89	98	103
Lab Control Sample	KQ2607196-03	96	98	104
Duplicate Lab Control Sample	KQ2607196-04	98	99	104
Method Blank	KQ2607196-05	93	99	102
Lab Control Sample	KQ2607342-03	96	98	104
Duplicate Lab Control Sample	KQ2607342-04	98	100	103
Method Blank	KQ2607342-05	95	102	98

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QA/QC Report

Client:	RSEC Inc	**Service Request:**	K2603974
Project:	LKC- Kalama/LKC-0426	**Date Analyzed:**	04/27/26
Sample Matrix:	Water	**Date Extracted:**	NA

Duplicate Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	**Units:**	ug/L
Prep Method:	None	**Basis:**	NA
		Analysis Lot:	918069

	Lab Control Sample KQ2606767-03			Duplicate Lab Control Sample KQ2606767-04					
Analyte Name	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Benzene	9.67	10.0	97	9.15	10.0	92	69-124	5	30
Toluene	9.09	10.0	91	8.64	10.0	86	69-124	5	30

Client:	RSEC Inc	**Service Request:**	K2603974
Project:	LKC- Kalama/LKC-0426	**Date Analyzed:**	04/30/26
Sample Matrix:	Water	**Date Extracted:**	NA

Duplicate Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	**Units:**	ug/L
Prep Method:	None	**Basis:**	NA
		Analysis Lot:	918525

	Lab Control Sample KQ2607196-03			Duplicate Lab Control Sample KQ2607196-04					
Analyte Name	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Benzene	8.68	10.0	87	9.05	10.0	90	69-124	4	30
Toluene	8.69	10.0	87	9.18	10.0	92	69-124	5	30

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QA/QC Report

Client:	RSEC Inc	**Service Request:**	K2603974
Project:	LKC- Kalama/LKC-0426	**Date Analyzed:**	05/01/26
Sample Matrix:	Water	**Date Extracted:**	NA

Duplicate Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	**Units:**	ug/L
Prep Method:	None	**Basis:**	NA
		Analysis Lot:	918607

	Lab Control Sample KQ2607342-03			Duplicate Lab Control Sample KQ2607342-04					
Analyte Name	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Benzene	8.56	10.0	86	8.98	10.0	90	69-124	5	30
Toluene	8.35	10.0	84	8.74	10.0	87	69-124	5	30

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QA/QC Report

Client:	RSEC Inc	**Service Request:**	K2603974
Project:	LKC- Kalama/LKC-0426	**Date Analyzed:**	04/27/26 10:15
Sample Matrix:	Water	**Date Extracted:**	

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Sample Name:	Lab Control Sample	**Instrument ID:**	K-MS-27
Lab Code:	KQ2606767-03	**File ID:**	J:\MS27\Data\042726_8260\0427F003.D
Analysis Method:	8260C	**Analysis Lot:**	918069
Prep Method:	None		

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Duplicate Lab Control Sample	KQ2606767-04	J:\MS27\Data\042726_8260\0427F004.D	04/27/26 10:36
Method Blank	KQ2606767-05	J:\MS27\Data\042726_8260\0427F007.D	04/27/26 11:40
Trip Blank	K2603974-006	J:\MS27\Data\042726_8260\0427F008.D	04/27/26 12:01
MW-250	K2603974-001	J:\MS27\Data\042726_8260\0427F009.D	04/27/26 12:22
MW-239	K2603974-002	J:\MS27\Data\042726_8260\0427F010.D	04/27/26 12:43
MW-97	K2603974-003	J:\MS27\Data\042726_8260\0427F011.D	04/27/26 13:04
KC-14	K2603974-004	J:\MS27\Data\042726_8260\0427F012.D	04/27/26 13:25
MW-243	K2603974-005	J:\MS27\Data\042726_8260\0427F013.D	04/27/26 13:46
NIA-East	K2603974-007	J:\MS27\Data\042726_8260\0427F014.D	04/27/26 14:07
NIA-West	K2603974-008	J:\MS27\Data\042726_8260\0427F015.D	04/27/26 14:28
ISRW-1	K2603974-009	J:\MS27\Data\042726_8260\0427F017.D	04/27/26 15:10
ISRW-3	K2603974-011	J:\MS27\Data\042726_8260\0427F019.D	04/27/26 15:52
ISRW-4	K2603974-012	J:\MS27\Data\042726_8260\0427F020.D	04/27/26 16:13
ISRW-5	K2603974-013	J:\MS27\Data\042726_8260\0427F021.D	04/27/26 16:34
ISRW-6	K2603974-014	J:\MS27\Data\042726_8260\0427F022.D	04/27/26 16:55
ISRW-7	K2603974-015	J:\MS27\Data\042726_8260\0427F023.D	04/27/26 17:16
ISRW-8	K2603974-016	J:\MS27\Data\042726_8260\0427F024.D	04/27/26 17:37
ISRW-9	K2603974-017	J:\MS27\Data\042726_8260\0427F025.D	04/27/26 17:58
ISRW-1	K2603974-009	J:\MS27\Data\042726_8260\0427F026.D	04/27/26 18:19
ISRW-2b	K2603974-010	J:\MS27\Data\042726_8260\0427F027.D	04/27/26 18:40
ISRW-3	K2603974-011	J:\MS27\Data\042726_8260\0427F028.D	04/27/26 19:01
ISRW-4	K2603974-012	J:\MS27\Data\042726_8260\0427F029.D	04/27/26 19:22
ISRW-5	K2603974-013	J:\MS27\Data\042726_8260\0427F030.D	04/27/26 19:43
ISRW-6	K2603974-014	J:\MS27\Data\042726_8260\0427F031.D	04/27/26 20:04
ISRW-8	K2603974-016	J:\MS27\Data\042726_8260\0427F032.D	04/27/26 20:25
ISRW-9	K2603974-017	J:\MS27\Data\042726_8260\0427F033.D	04/27/26 20:46

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QA/QC Report

Client:	RSEC Inc	**Service Request:**	K2603974
Project:	LKC- Kalama/LKC-0426	**Date Analyzed:**	04/30/26 14:07
Sample Matrix:	Water	**Date Extracted:**	

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Sample Name:	Lab Control Sample	**Instrument ID:**	K-MS-27
Lab Code:	KQ2607196-03	**File ID:**	J:\MS27\Data\043026_8260\0430F007.D
Analysis Method:	8260C	**Analysis Lot:**	918525
Prep Method:	None		

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Duplicate Lab Control Sample	KQ2607196-04	J:\MS27\Data\043026_8260\0430F008.D	04/30/26 14:28
Method Blank	KQ2607196-05	J:\MS27\Data\043026_8260\0430F013.D	04/30/26 16:16
PDW-117	K2603974-022	J:\MS27\Data\043026_8260\0430F028.D	04/30/26 21:32
PZ-104	K2603974-023	J:\MS27\Data\043026_8260\0430F029.D	04/30/26 21:53
MW-401	K2603974-024	J:\MS27\Data\043026_8260\0430F030.D	04/30/26 22:14
PZ-107	K2603974-025	J:\MS27\Data\043026_8260\0430F031.D	04/30/26 22:35

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QA/QC Report

Client:	RSEC Inc	**Service Request:**	K2603974
Project:	LKC- Kalama/LKC-0426	**Date Analyzed:**	05/01/26 12:46
Sample Matrix:	Water	**Date Extracted:**	

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Sample Name:	Lab Control Sample	**Instrument ID:**	K-MS-27
Lab Code:	KQ2607342-03	**File ID:**	J:\MS27\Data\050126_8260\0501F005.D
Analysis Method:	8260C	**Analysis Lot:**	918607
Prep Method:	None		

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Duplicate Lab Control Sample	KQ2607342-04	J:\MS27\Data\050126_8260\0501F006.D	05/01/26 13:07
Method Blank	KQ2607342-05	J:\MS27\Data\050126_8260\0501F011.D	05/01/26 14:52
KC-9	K2603974-021	J:\MS27\Data\050126_8260\0501F030.D	05/01/26 21:32
ISRW-10	K2603974-018	J:\MS27\Data\050126_8260\0501F031.D	05/01/26 21:53
ISRW-10	K2603974-018	J:\MS27\Data\050126_8260\0501F032.D	05/01/26 22:14

Low Level Semivolatile Organic Compounds by GC/MS

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
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Analytical Report

Client:	RSEC Inc	**Service Request:**	K2603974
Project:	LKC- Kalama/LKC-0426	**Date Collected:**	04/20/26 11:30
Sample Matrix:	Water	**Date Received:**	04/21/26 15:20
Sample Name:	NIA-East	**Units:**	ug/L
Lab Code:	K2603974-007	**Basis:**	NA

Low Level Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3520C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Biphenyl	ND U	0.19	1	05/27/26 18:59	5/21/26	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2-Fluorobiphenyl	90	35 - 105	05/27/26 18:59	

Analytical Report

Client:	RSEC Inc	**Service Request:**	K2603974
Project:	LKC- Kalama/LKC-0426	**Date Collected:**	04/20/26 11:45
Sample Matrix:	Water	**Date Received:**	04/21/26 15:20
Sample Name:	NIA-West	**Units:**	ug/L
Lab Code:	K2603974-008	**Basis:**	NA

Low Level Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3520C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Biphenyl	ND U	0.19	1	05/27/26 19:24	5/21/26	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2-Fluorobiphenyl	78	35 - 105	05/27/26 19:24	

Analytical Report

Client:	RSEC Inc	**Service Request:**	K2603974
Project:	LKC- Kalama/LKC-0426	**Date Collected:**	04/21/26 09:45
Sample Matrix:	Water	**Date Received:**	04/21/26 15:20
Sample Name:	PZ-104	**Units:**	ug/L
Lab Code:	K2603974-023	**Basis:**	NA

Low Level Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3520C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Biphenyl	**53**	3.8	20	05/27/26 19:48	5/21/26	*
Bis(2-ethylhexyl) Phthalate	ND U	19	20	05/27/26 19:48	5/21/26	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2-Fluorobiphenyl	75	35 - 105	05/27/26 19:48	
p-Terphenyl-d14	0	48 - 109	05/27/26 19:48	*

Analytical Report

Client:	RSEC Inc	**Service Request:**	K2603974
Project:	LKC- Kalama/LKC-0426	**Date Collected:**	04/21/26 10:00
Sample Matrix:	Water	**Date Received:**	04/21/26 15:20
Sample Name:	MW-401	**Units:**	ug/L
Lab Code:	K2603974-024	**Basis:**	NA

Low Level Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3520C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Biphenyl	**45**	3.8	20	05/27/26 20:12	5/21/26	*
Bis(2-ethylhexyl) Phthalate	ND U	19	20	05/27/26 20:12	5/21/26	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2-Fluorobiphenyl	67	35 - 105	05/27/26 20:12	
p-Terphenyl-d14	0	48 - 109	05/27/26 20:12	*

Analytical Report

Client:	RSEC Inc	**Service Request:**	K2603974
Project:	LKC- Kalama/LKC-0426	**Date Collected:**	04/21/26 11:00
Sample Matrix:	Water	**Date Received:**	04/21/26 15:20
Sample Name:	PZ-107	**Units:**	ug/L
Lab Code:	K2603974-025	**Basis:**	NA

Low Level Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3520C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Biphenyl	**8.5**	3.8	20	05/27/26 20:36	5/21/26	*
Bis(2-ethylhexyl) Phthalate	ND U	19	20	05/27/26 20:36	5/21/26	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2-Fluorobiphenyl	87	35 - 105	05/27/26 20:36	
p-Terphenyl-d14	0	48 - 109	05/27/26 20:36	*

Analytical Report

Client:	RSEC Inc	**Service Request:**	K2603974
Project:	LKC- Kalama/LKC-0426	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	KQ2608086-01	**Basis:**	NA

Low Level Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3520C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Biphenyl	ND U	0.19	1	05/27/26 13:41	5/21/26	
Bis(2-ethylhexyl) Phthalate	ND U	0.94	1	05/27/26 13:41	5/21/26	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2-Fluorobiphenyl	71	35 - 105	05/27/26 13:41	
p-Terphenyl-d14	89	48 - 109	05/27/26 13:41	

Client: RSEC Inc **Service Request:** K2603974
Project: LKC- Kalama/LKC-0426
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Low Level Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Extraction Method: EPA 3520C

Sample Name	Lab Code	2-Fluorobiphenyl 35 - 105	p-Terphenyl-d14 48 - 109
NIA-East	K2603974-007	90	
NIA-West	K2603974-008	78	
PZ-104	K2603974-023	75	0 *
MW-401	K2603974-024	67	0 *
PZ-107	K2603974-025	87	0 *
Method Blank	KQ2608086-01	71	89
Lab Control Sample	KQ2608086-02	73	109
Duplicate Lab Control Sample	KQ2608086-03	77	94

Client:	RSEC Inc	**Service Request:**	K2603974
Project:	LKC- Kalama/LKC-0426	**Date Analyzed:**	05/27/26
Sample Matrix:	Water	**Date Extracted:**	05/21/26

Duplicate Lab Control Sample Summary
Low Level Semivolatile Organic Compounds by GC/MS

Analysis Method:	8270D	**Units:**	ug/L
Prep Method:	EPA 3520C	**Basis:**	NA
		Analysis Lot:	921455

	Lab Control Sample KQ2608086-02			Duplicate Lab Control Sample KQ2608086-03					
Analyte Name	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Biphenyl	4.07	5.00	81	4.01	5.00	80	70-130	2	30

Client:	RSEC Inc	**Service Request:**	K2603974
Project:	LKC- Kalama/LKC-0426	**Date Analyzed:**	05/27/26
Sample Matrix:	Water	**Date Extracted:**	05/21/26

Duplicate Lab Control Sample Summary
Low Level Semivolatile Organic Compounds by GC/MS

Analysis Method:	8270D	**Units:**	ug/L
Prep Method:	EPA 3520C	**Basis:**	NA
		Analysis Lot:	921454

	Lab Control Sample KQ2608086-02			Duplicate Lab Control Sample KQ2608086-03					
Analyte Name	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Bis(2-ethylhexyl) Phthalate	3.63	5.00	73	3.57	5.00	71	42-147	2	30

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QA/QC Report

Client:	RSEC Inc	**Service Request:**	K2603974
Project:	LKC- Kalama/LKC-0426	**Date Analyzed:**	05/27/26 14:30
Sample Matrix:	Water	**Date Extracted:**	05/21/26

Lab Control Sample Summary
Low Level Semivolatile Organic Compounds by GC/MS

Sample Name:	Lab Control Sample	**Instrument ID:**	K-MS-48
Lab Code:	KQ2608086-02	**File ID:**	J:\MS48\data\052726_CLP\0527F006.D
Analysis Method:	8270D	**Analysis Lot:**	921455,921454
Prep Method:	EPA 3520C	**Extraction Lot:**	476574

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	KQ2608086-01	J:\MS48\data\052726_CLP\0527F004.D	05/27/26 13:41
Method Blank	KQ2608086-01	J:\MS48\data\052726\0527F004.D	05/27/26 13:41
Duplicate Lab Control Sample	KQ2608086-03	J:\MS48\data\052726_CLP\0527F007.D	05/27/26 14:55
Duplicate Lab Control Sample	KQ2608086-03	J:\MS48\data\052726\0527F007.D	05/27/26 14:55
NIA-East	K2603974-007	J:\MS48\data\052726_CLP\0527F017.D	05/27/26 18:59
NIA-East	K2603974-007	J:\MS48\data\052726\0527F017.D	05/27/26 18:59
NIA-West	K2603974-008	J:\MS48\data\052726_CLP\0527F018.D	05/27/26 19:24
NIA-West	K2603974-008	J:\MS48\data\052726\0527F018.D	05/27/26 19:24
PZ-104	K2603974-023	J:\MS48\data\052726_CLP\0527F019.D	05/27/26 19:48
PZ-104	K2603974-023	J:\MS48\data\052726\0527F019.D	05/27/26 19:48
MW-401	K2603974-024	J:\MS48\data\052726_CLP\0527F020.D	05/27/26 20:12
MW-401	K2603974-024	J:\MS48\data\052726\0527F020.D	05/27/26 20:12
PZ-107	K2603974-025	J:\MS48\data\052726_CLP\0527F021.D	05/27/26 20:36
PZ-107	K2603974-025	J:\MS48\data\052726\0527F021.D	05/27/26 20:36

Subcontract Lab Results

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360)577-7222 Fax (360)636-1068
www.alsglobal.com

CERTIFICATE OF ANALYSIS

Work Order	:	**WT2610051**			
Client	:	**ALS Group USA, Corp.**	Laboratory	:	ALS Environmental - Waterloo
Contact	:	Hayleigh Smith	Account Manager	:	Khairul Intiar
Address	:	1317 South 23th Avenue Kelso Washington United States 98626	Address	:	60 Northland Road, Unit 1 Waterloo ON Canada N2V 2B8
Telephone	:	----	E-mail	:	khairul.intiar@alsglobal.com
Project	:	----	Telephone	:	+1 519 886 6910
PO	:	51K2603974	Date Samples Received	:	27-Apr-2026 10:00
C-O-C number	:	----	Date Analysis Commenced	:	03-May-2026
Sampler	:	----	Issue Date	:	05-May-2026 17:50
Site	:	----			
Quote number	:	2025 Price List (Waterloo)			
No. of samples received	:	10			
No. of samples analysed	:	10			

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Surrogate Control Limits

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QC Interpretive report to assist with Quality Review and Sample Receipt Notification (SRN).

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

Signatories	*Position*	*Laboratory Department*
Jeremy Gingras	Supervisor - Semi-Volatile Instrumentation	Organics, Waterloo, Ontario

General Comments

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Refer to the ALS Quality Control Interpretive report (QCI) for applicable references and methodology summaries. Reference methods may incorporate modifications to improve performance.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

Please refer to Quality Control Interpretive report (QCI) for information regarding Holding Time compliance.

Key: CAS Number: Chemical Abstracts Services number is a unique identifier assigned to discrete substances.
LOR: Limit of Reporting (detection limit).

Unit	*Description*
µg/L	micrograms per litre

<: less than.
>: greater than.
Surrogate: An analyte that is similar in behavior to target analyte(s), but that does not occur naturally in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery.

Test results reported relate only to the samples as received by the laboratory.
UNLESS OTHERWISE STATED on SRN or QCI Report, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

Analytical Results

Sub-Matrix: Water
(Matrix: Water)

					Client sample ID	K2603974-007 NIA-EAST ----	K2603974-008 NIA-WEST ----	K2603974-019 MW-245 ----	K2603974-020 MW-256 ----	K2603974-021 KC-9 ----
					Client sampling date / time	20-Apr-2026 11:30	20-Apr-2026 11:45	21-Apr-2026 13:00	21-Apr-2026 14:00	21-Apr-2026 12:10
Analyte	CAS Number	Method/Lab	LOR	Unit		WT2610051-001	WT2610051-002	WT2610051-003	WT2610051-004	WT2610051-005
						Result	Result	Result	Result	Result
Semi-Volatile Organics										
Diphenyl ether	101-84-8	E625/WT	0.40	µg/L		114	174	47.5	11.5	953
Semi-Volatile Organics Surrogates										
Fluorobiphenyl, 2-	321-60-8	E625/WT	1.0	%		72.9	72.4	74.8	66.5	68.7
Nitrobenzene-d5	4165-60-0	E625/WT	1.0	%		72.3	72.5	91.3	66.5	74.5
Terphenyl-d14, p-	1718-51-0	E625/WT	1.0	%		78.5	77.8	78.0	72.7	80.3
Phenolics Surrogates										
Tribromophenol, 2,4,6-	118-79-6	E625/WT	0.50	%		77.7	79.5	82.1	69.5	80.9

Please refer to the General Comments section for an explanation of any qualifiers detected.

Analytical Results

Sub-Matrix: Water
(Matrix: Water)

					Client sample ID	K2603974-022 PDW-117 ----	K2603974-023 PZ-104 ----	K2603974-024 MW-401 ----	K2603974-025 PZ-107 ----	K2603974-026 USRW-2 ----
					Client sampling date / time	21-Apr-2026 15:45	21-Apr-2026 09:45	21-Apr-2026 10:00	21-Apr-2026 11:00	21-Apr-2026 12:45
Analyte	CAS Number	Method/Lab	LOR	Unit		WT2610051-006	WT2610051-007	WT2610051-008	WT2610051-009	WT2610051-010
						Result	Result	Result	Result	Result
Semi-Volatile Organics										
Diphenyl ether	101-84-8	E625/WT	0.40	µg/L		404	1960	1920	6.76	<0.40
Semi-Volatile Organics Surrogates										
Fluorobiphenyl, 2-	321-60-8	E625/WT	1.0	%		67.4	78.1	68.3	72.6	76.3
Nitrobenzene-d5	4165-60-0	E625/WT	1.0	%		68.3	86.9	66.6	84.0	81.0
Terphenyl-d14, p-	1718-51-0	E625/WT	1.0	%		77.2	85.2	77.1	82.3	83.8
Phenolics Surrogates										
Tribromophenol, 2,4,6-	118-79-6	E625/WT	0.50	%		78.6	99.7	88.2	88.9	90.2

Please refer to the General Comments section for an explanation of any qualifiers detected.

QUALITY CONTROL REPORT

Work Order	: **WT2610051**		
Client	: ALS Group USA, Corp.	Laboratory	: ALS Environmental - Waterloo
Contact	: Hayleigh Smith	Account Manager	: Khairul Intiar
Address	: 1317 South 23th Avenue Kelso WA United States 98626	Address	: 60 Northland Road, Unit 1 Waterloo ON Canada N2V 2B8
Telephone	: ----	Telephone	: +1 519 886 6910
Project	: ----	Date Samples Received	: 27-Apr-2026 10:00
PO	: 51K2603974	Date Analysis Commenced	: 05-May-2026
C-O-C number	: ----	Issue Date	: 05-May-2026 17:50
Sampler	: ----		
Site	: ----		
Quote number	: 2025 Price List (Waterloo)		
No. of samples received	: 10		
No. of samples analysed	: 10		

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Method Blank (MB) Report; Recovery and Data Quality Objectives
- Laboratory Control Sample (LCS) Report; Recovery and Data Quality Objectives

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

Signatories	*Position*	*Laboratory Department*
Jeremy Gingras	Supervisor - Semi-Volatile Instrumentation	Waterloo Organics, Waterloo, Ontario

General Comments

The ALS Quality Control (QC) report is optionally provided to ALS clients upon request. ALS test methods include comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against predetermined Data Quality Objectives (DQOs) to provide confidence in the accuracy of associated test results. This report contains detailed results for all QC results applicable to this sample submission. Please refer to the ALS Quality Control Interpretation report (QCI) for applicable method references and methodology summaries.

Key:
Anonymous=Refers to samples which are not part of this work order, but which formed part of the QC process lot.
CAS Number=Chemical Abstracts Service number is a unique identifier assigned to discrete substances.
DQO=Data Quality Objective.
LOR=Limit of Reporting (detection limit).
RPD=Relative Percent Difference
# =Indicates a QC result that did not meet the ALS DQO.

Workorder Comments

Holding times are displayed as "---" if no guidance exists from CCME, Canadian provinces, or broadly recognized international references.

Method Blank (MB) Report

A Method Blank is an analyte-free matrix that undergoes sample processing identical to that carried out for test samples. Method Blank results are used to monitor and control for potential contamination from the laboratory environment and reagents. For most tests, the DQO for Method Blanks is for the result to be < LOR.

Sub-Matrix: Water

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Semi-Volatile Organics(QC Lot: 2568708)						
Diphenyl ether	101-84-8	E625	0.4	µg/L	<0.40	----
Semi-Volatile Organics Surrogates(QC Lot: 2568708)						
			Result	**Target**	**%Rec.**	**Surr. Limits**
Fluorobiphenyl, 2-	321-60-8	E625	14.8 µg/L	21.052 µg/L	70.1	50-140 %
Nitrobenzene-d5	4165-60-0	E625	14.5 µg/L	21.052 µg/L	68.8	50-140 %
Terphenyl-d14, p-	1718-51-0	E625	15.6 µg/L	21.052 µg/L	74.2	60-140 %
			Result	**Target**	**%Rec.**	**Surr. Limits**
Tribromophenol, 2,4,6-	118-79-6	E625	14.8 µg/L	21.052 µg/L	70.5	50-140 %

Laboratory Control Sample (LCS) Report

A Laboratory Control Sample (LCS) is an analyte-free matrix that has been fortified (spiked) with test analytes at known concentration and processed in an identical manner to test samples. LCS results are expressed as percent recovery, and are used to monitor and control test method accuracy and precision, independent of test sample matrix.

Sub-Matrix: Water

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
Semi-Volatile Organics(QC Lot: 2568708)									
Diphenyl ether	101-84-8	E625	0.4	µg/L	4.21 µg/L	82.9	50.0	140	----
Semi-Volatile Organics Surrogates(QC Lot: 2568708)									
Fluorobiphenyl, 2-	321-60-8	E625	1	µg/L	21.05 µg/L	76.5	50	140	----
Nitrobenzene-d5	4165-60-0	E625	1	µg/L	21.05 µg/L	78.3	50	140	----
Terphenyl-d14, p-	1718-51-0	E625	1	µg/L	21.05 µg/L	79.3	60	140	----
Phenolics Surrogates(QC Lot: 2568708)									
Tribromophenol, 2,4,6-	118-79-6	E625	0.5	µg/L	21.05 µg/L	86.3	50	140	----

Quality Control Interpretive Report

Work Order	:	**WT2610051**			
Client	:	ALS Group USA, Corp.	Laboratory	:	ALS Environmental - Waterloo
Contact	:	Hayleigh Smith	Account Manager	:	Khairul Intiar
Address	:	1317 South 23th Avenue Kelso WA United States 98626	Address	:	60 Northland Road, Unit 1 Waterloo Ontario Canada N2V 2B8
Telephone	:	----	Telephone	:	+1 519 886 6910
Project	:	----	Date Samples Received	:	27-Apr-2026 10:00
PO	:	51K2603974	Issue Date	:	05-May-2026 17:50
C-O-C number	:	----			
Sampler	:	----			
Site	:	----			
Quote number	:	2025 Price List (Waterloo)			
No. of samples received	:	10			
No. of samples analysed	:	10			

This report is automatically generated by the ALS LIMS (Laboratory Information Management System) through evaluation of Quality Control (QC) results and other QA parameters associated with this submission, and is intended to facilitate rapid data validation by auditors or reviewers. The report highlights any exceptions and outliers to ALS Data Quality Objectives, provides holding time details and exceptions, summarizes QC sample frequencies, and lists applicable methodology references and summaries.

Key

Anonymous: Refers to samples which are not part of this work order, but which formed part of the QC process lot.
CAS Number: Chemical Abstracts Services number is a unique identifier assigned to discrete substances.
DQO: Data Quality Objective.
LOR: Limit of Reporting (detection limit).
RPD: Relative Percent Difference.

Workorder Comments

Holding times are displayed as "---" if no guidance exists from CCME, Canadian provinces, or broadly recognized international references.

Summary of Outliers

Outliers : Quality Control Samples

- No Method Blank value outliers occur.
- No Duplicate outliers occur.
- No Laboratory Control Sample (LCS) outliers occur
- No Laboratory Control Sample Duplicate (LCSD) outliers occur
- No Matrix Spike outliers occur.
- No Matrix Spike Duplicate (MSD) outliers occur.
- No Test sample Surrogate recovery outliers exist.

Outliers: Reference Material (RM) Samples

- No Reference Material (RM) Sample outliers occur.

Outliers : Analysis Holding Time Compliance (Breaches)

- Analysis Holding Time Outliers exist.

Outliers : Frequency of Quality Control Samples

- No Quality Control Sample Frequency Outliers occur.

Analysis Holding Time Compliance

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times, which are selected to meet known provincial and/or federal requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by organizations such as CCME, US EPA, APHA Standard Methods, ASTM, or Environment Canada (where available). Dates and holding times reported below represent the first dates of extraction or analysis. If subsequent tests or dilutions exceeded holding times, qualifiers are added (refer to COA).

If samples are identified below as having been analyzed or extracted outside of recommended holding times, measurement uncertainties may be increased, and this should be taken into consideration when interpreting results.

Where actual sampling date is not provided on the chain of custody, the date of receipt with time at 00:00 is used for calculation purposes.

Where only the sample date without time is provided on the chain of custody, the sampling date at 00:00 is used for calculation purposes.

Matrix: Water

Evaluation: × = Holding time exceedance; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client sample ID	ALS Sample ID	QC Lot	Method	Sampling Date	Extraction / Preparation				Analysis			
					Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Semi-Volatile Organics : BNA (Extended List) by GC-MS-MS												
Non ALS Glass - unpreserved												
K2603974-007 NIA-EAST	001	2568708	E625	20-Apr-2026	03-May-2026	7 days	13 days	× EHTL	05-May-2026	7 days	15 days	✓
K2603974-008 NIA-WEST	002	2568708	E625	20-Apr-2026	03-May-2026	7 days	13 days	× EHTL	05-May-2026	7 days	15 days	✓
K2603974-019 MW-245	003	2568708	E625	21-Apr-2026	03-May-2026	7 days	12 days	× EHT	05-May-2026	7 days	14 days	✓
K2603974-020 MW-256	004	2568708	E625	21-Apr-2026	03-May-2026	7 days	12 days	× EHT	05-May-2026	7 days	13 days	✓
K2603974-021 KC-9	005	2568708	E625	21-Apr-2026	03-May-2026	7 days	12 days	× EHT	05-May-2026	7 days	14 days	✓
K2603974-022 PDW-117	006	2568708	E625	21-Apr-2026	03-May-2026	7 days	12 days	× EHT	05-May-2026	7 days	14 days	✓
K2603974-023 PZ-104	007	2568708	E625	21-Apr-2026	03-May-2026	7 days	12 days	× EHT	05-May-2026	7 days	14 days	✓
K2603974-024 MW-401	008	2568708	E625	21-Apr-2026	03-May-2026	7 days	12 days	× EHT	05-May-2026	7 days	14 days	✓
K2603974-025 PZ-107	009	2568708	E625	21-Apr-2026	03-May-2026	7 days	12 days	× EHT	05-May-2026	7 days	14 days	✓
K2603974-026 USRW-2	010	2568708	E625	21-Apr-2026	03-May-2026	7 days	12 days	× EHT	05-May-2026	7 days	14 days	✓

Legend & Qualifier Definitions

EHTL: Exceeded ALS recommended hold time prior to analysis. Sample was received less than 24 hours prior to expiry.
EHT: Exceeded ALS recommended hold time prior to analysis.
Rec. HT: ALS recommended hold time (see units).

Quality Control Parameter Frequency Compliance

The following report summarizes the frequency of laboratory QC samples analyzed within the analytical batches (QC lots) in which the submitted samples were processed. The actual frequency should be greater than or equal to the expected frequency.

Matrix: Water

Evaluation: × = QC frequency outside specification; ✓ = QC frequency within specification

Quality Control Sample Type			Count		Frequency (%)		
Analytical Methods	Method	QC Lot #	QC	Regular	Actual	Expected	Evaluation
Laboratory Control Samples (LCS)							
BNA (Extended List) by GC-MS-MS	E625	2568708	1	10	10.0	5.0	✓
Method Blanks (MB)							
BNA (Extended List) by GC-MS-MS	E625	2568708	1	10	10.0	5.0	✓

Methodology References and Summaries

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Reference methods may incorporate modifications to improve performance (indicated by “mod”).

Analytical Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
BNA (Extended List) by GC-MS-MS	E625 ALS Environmental - Waterloo	Water	EPA 8270E (mod)	BNA are analyzed by GC-MS-MS.
Preparation Methods	**Method / Lab**	**Matrix**	**Method Reference**	**Method Descriptions**
BNA Extraction	EP625 ALS Environmental - Waterloo	Water	EPA 3510C (mod)	SVOCs are extracted from aqueous sample using DCM liquid-liquid extraction.

OK997

ALS Environmental Chain of Custody

1317 South 13th Avenue • Kelso, WA 98626 • 1-360-577-7222 • FAX 1-360-636-1068

ALS Contact: Hayleigh Smith

Project Number: K2603974
Project Manager: Hayleigh Smith
QAP: LAB QAP

Environmental Division
Waterloo
Work Order Reference
WT2610051

Telephone : +1 519 886 6910

Lab Code	Sample ID	# of Cont.	Matrix	Sample Date	Sample Time	Lab ID	Misc Out 1 None
K2603974-007	NIA-East	2	Water	4/20/26	1130	Waterloo ALS	X
K2603974-008	NIA-West		Water	4/20/26	1145	Waterloo ALS	X
K2603974-019	MW-245		Water	4/21/26	1300	Waterloo ALS	X
K2603974-020	MW-256		Water	4/21/26	1400	Waterloo ALS	X
K2603974-021	KC-9		Water	4/21/26	1210	Waterloo ALS	X
K2603974-022	PDW-117		Water	4/21/26	1545	Waterloo ALS	X
K2603974-023	PZ-104		Water	4/21/26	0945	Waterloo ALS	X
K2603974-024	MW-401		Water	4/21/26	1000	Waterloo ALS	X
K2603974-025	PZ-107		Water	4/21/26	1100	Waterloo ALS	X
K2603974-026	USRW-2		Water	4/21/26	1245	Waterloo ALS	X

71 of 73

4/27/26
1000
9.6 ice pak
custody seal

Test Comments
Misc Out 1 - None

K2603974-007,8,19,20,21,22,23,24,25,26 Diphenyl Ether

Quote WT2025ALSG1500002

Special Instructions/Comments
Please provide the electronic (PDF and EDD) report to the following e-mail address: ALKLS.Data@alsglobal.com.

NPDES

H - Test is On Hold P - Test is Authorized for Prep Only

Turnaround Requirements
____ **RUSH** (Surcharges Apply)
PLEASE CIRCLE WORK DAYS
1 2 3 4 5
X **STANDARD**
Requested FAX Date: _____
Requested Report Date: 05/12/26

Report Requirements
____ I. Results Only
X II. Results + QC Summaries
____ III. Results + QC and Calibration Summaries
____ IV. Data Validation Report with Raw Data
PQL/MDL/J N
EDD Y

Invoice Information
PO# 51K2603974
Bill to

Relinquished By: M. Mulligan 4/23/26 Received By: _____ Airbill Number: _____

ALS Environmental Chain of Custody

1317 South 13th Avenue • Kelso, WA 98626 • 1-360-577-7222 • FAX 1-360-636-1068

ALS Contact: Hayleigh Smith

Project Number: K2603974
Project Manager: Hayleigh Smith
QAP: LAB QAP

Folder Comments:
Diphenyl ether is the same as Diphenyl oxide
Check COC for required analytes for each method.
Diphenyl ether - RL 25781
Diphenyl ether, Biphenyl - RL 25782
Biphenyl, Benzoic acid - RL 25783
Diphenyl ether, Biphenyl, BEHP - RL 25784

Special Instructions/Comments	Turnaround Requirements	Report Requirements	Invoice Information
Please provide the electronic (PDF and EDD) report to the following e-mail address: ALKLS.Data@alsglobal.com. **NPDES** H - Test is On Hold P - Test is Authorized for Prep Only	____ **RUSH** (Surcharges Apply) **PLEASE CIRCLE WORK DAYS** 1 2 3 4 5 X **STANDARD** Requested FAX Date: ____ Requested Report Date: 05/12/26	____ I. Results Only X II. Results + QC Summaries ____ III. Results + QC and Calibration Summaries ____ IV. Data Validation Report with Raw Data PQL/MDL/J N EDD Y	PO# 51K2603974 Bill to

Relinquished By: M. Mulligan 4/23/24 Received By: _____ Airbill Number: _____

____ **Ship To: Waterloo ALS**
ALS Environmental - Canada
60 Northland Road, Unit 1
Waterloo, ON N2V 2B8

PC HS Date 4/22/26
SMO mm Date 4/23/26

Instructions:
Ice X
Dry Ice ____
No Ice ____

Shipping:
Overnight X
2nd Day ____
Ground ____

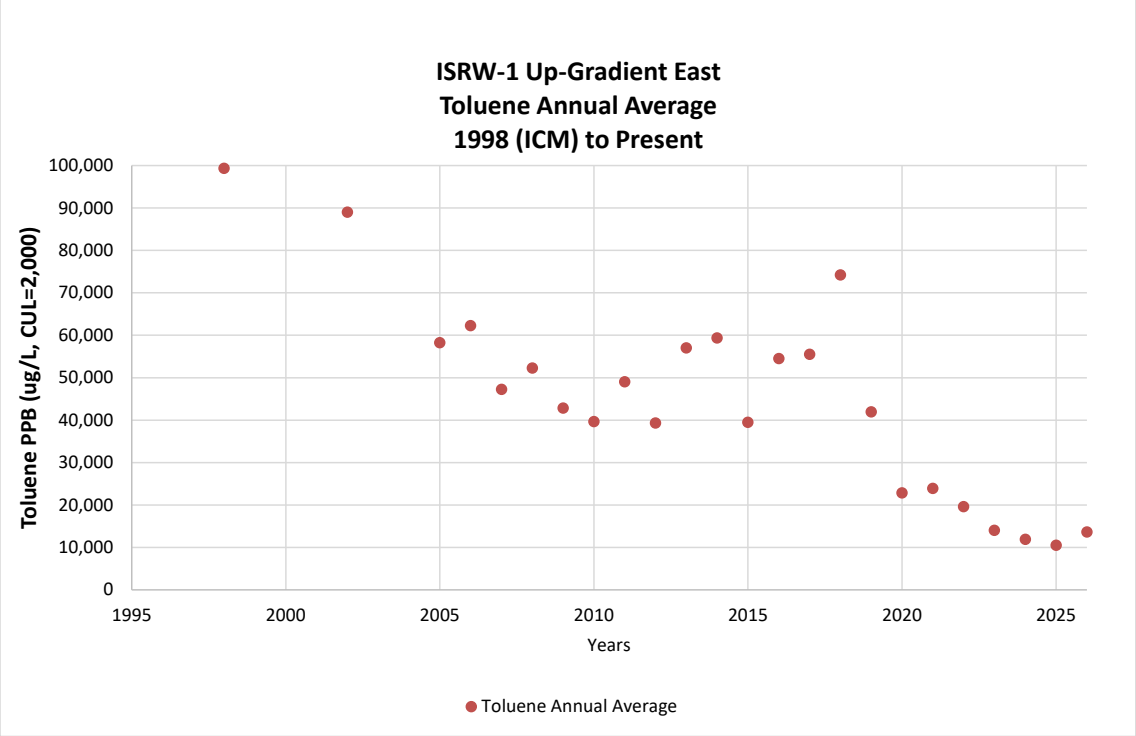
Bill to Client Account ____

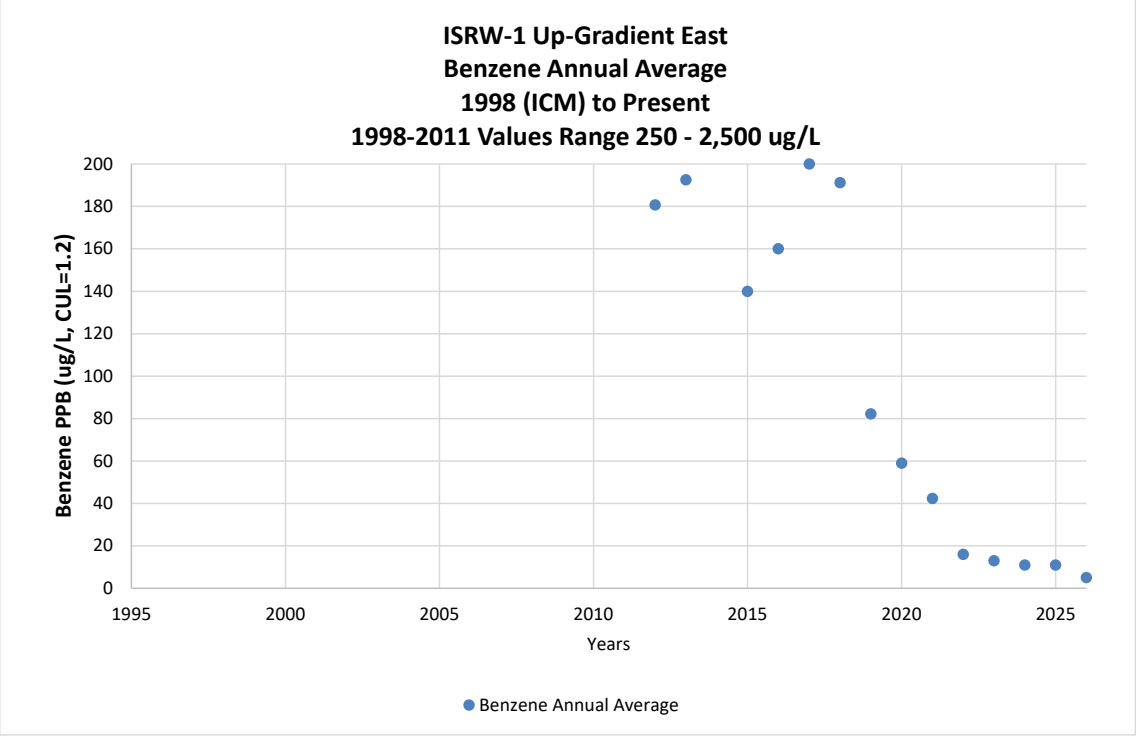
Comments:

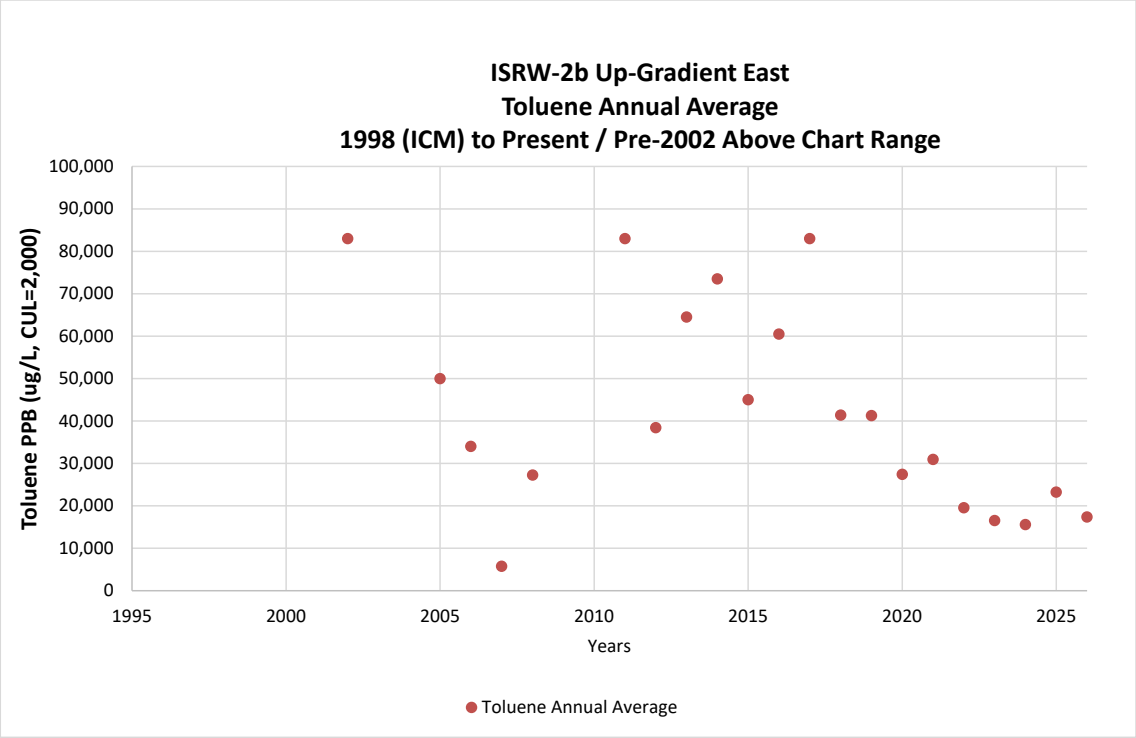
Appendix C

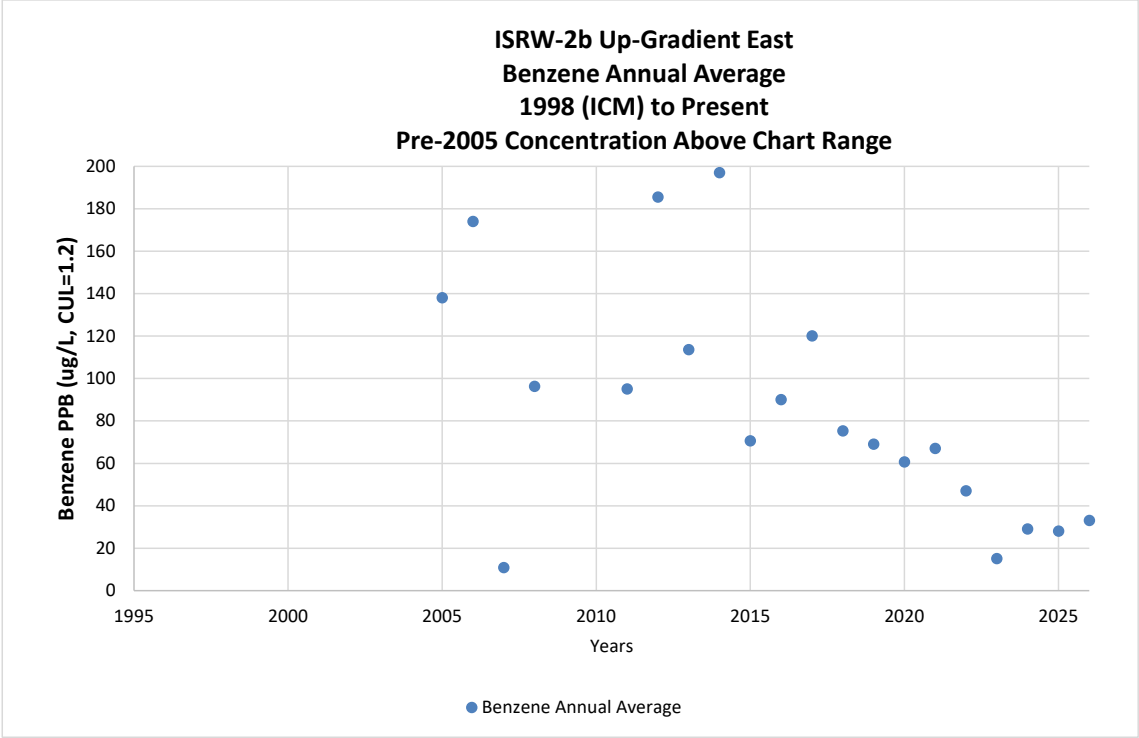
ISRW Benzene & Toluene Concentration Trend Charts

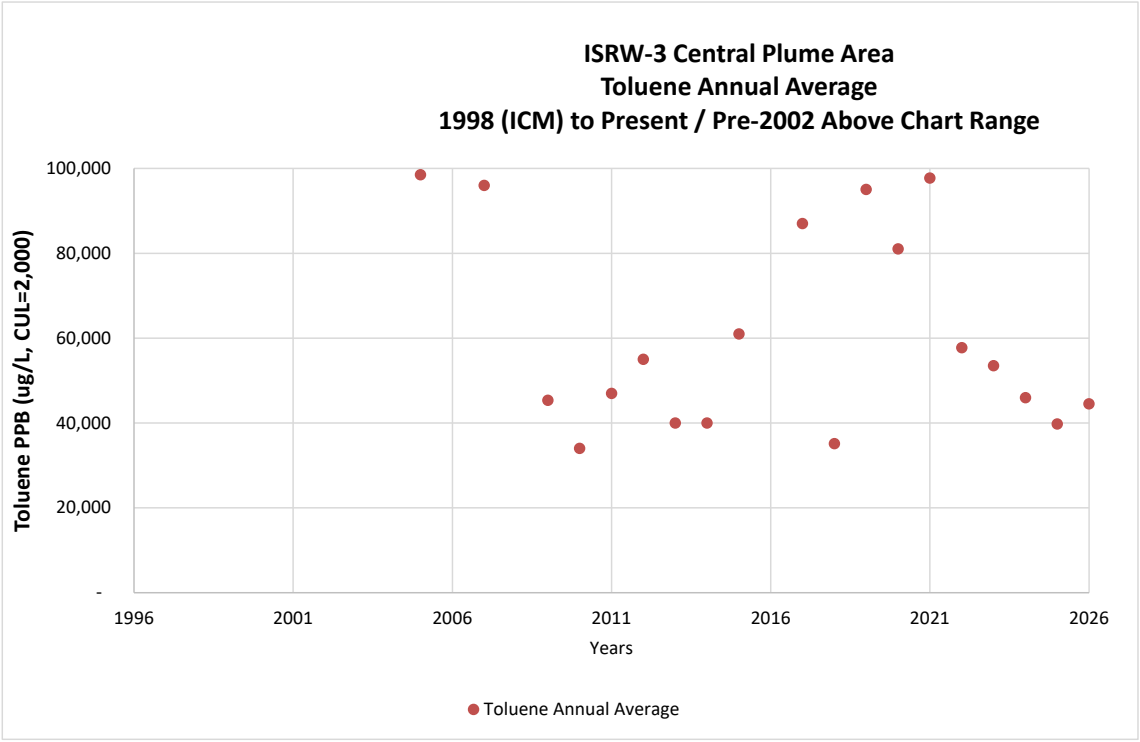
ISRW-1

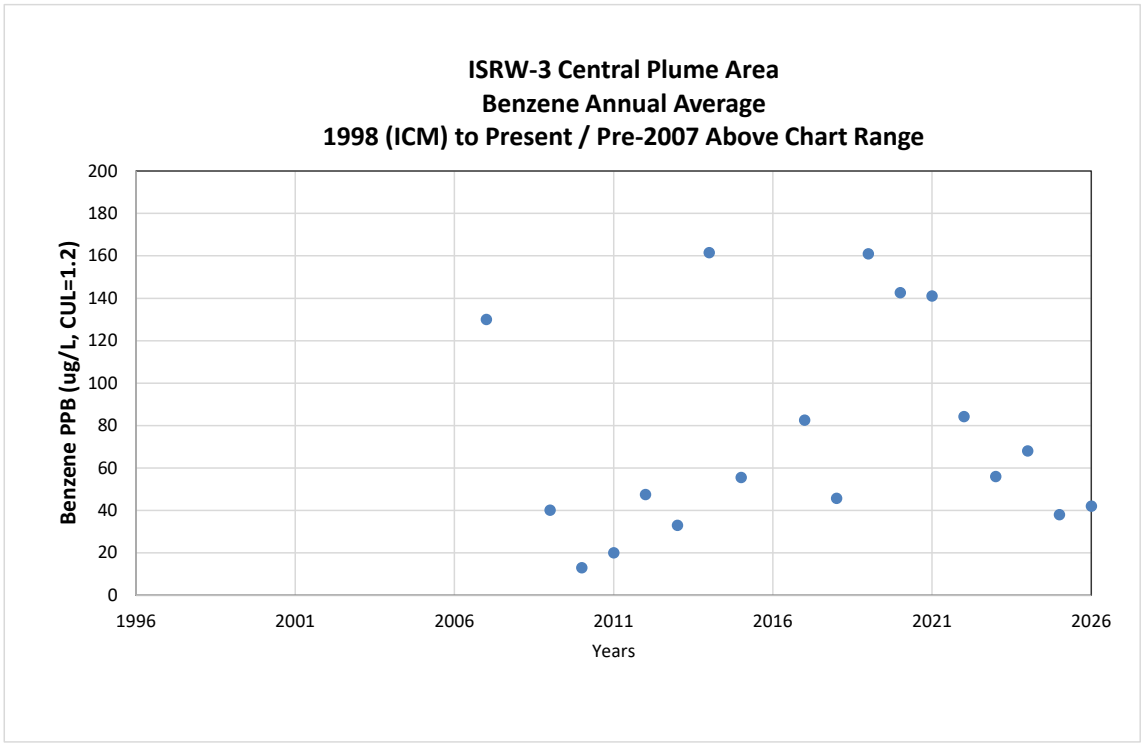

ISRW-1 Up-Gradient East
Toluene Annual Average
1998 (ICM) to Present
Toluene PPB (ug/L, CUL=2,000)
100,000
90,000
80,000
70,000
60,000
50,000
40,000
30,000
20,000
10,000
0
1995
2000
2005
2010
2015
2020
2025
Years
Toluene Annual Average

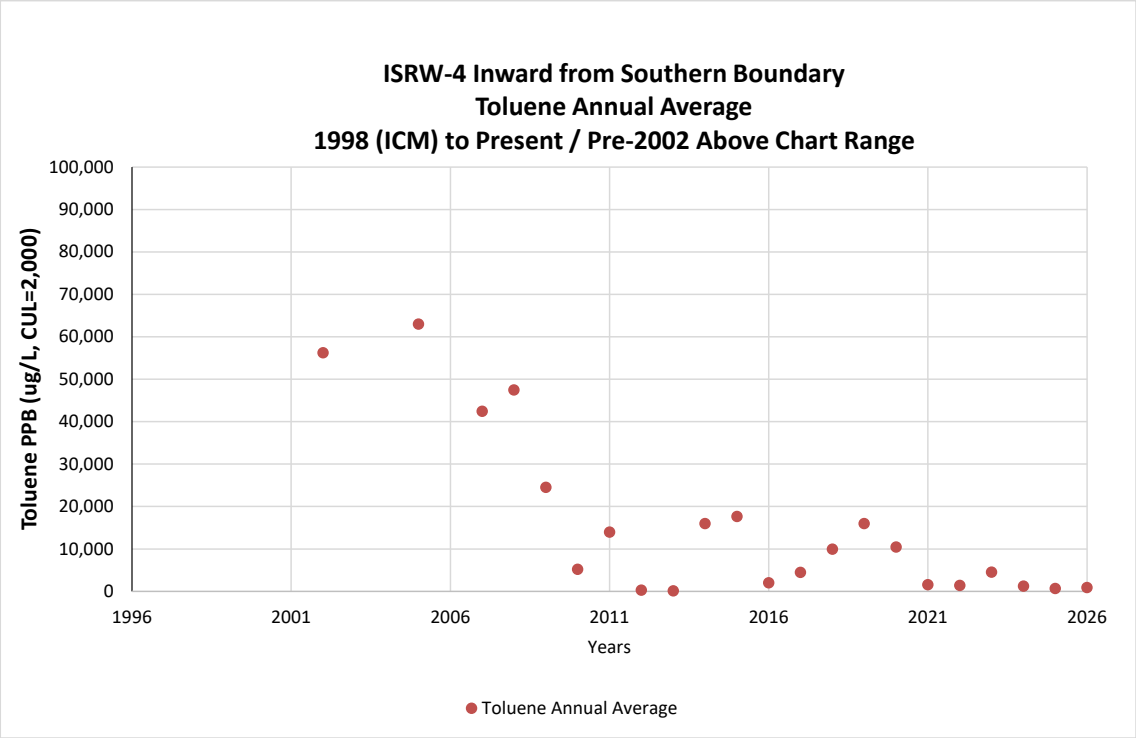

ISRW-1 Up-Gradient East
Benzene Annual Average
1998 (ICM) to Present
1998-2011 Values Range 250 - 2,500 ug/L
Benzene PPB (ug/L, CUL=1.2)
200
180
160
140
120
100
80
60
40
20
0
1995
2000
2005
2010
2015
2020
2025
Years
Benzene Annual Average

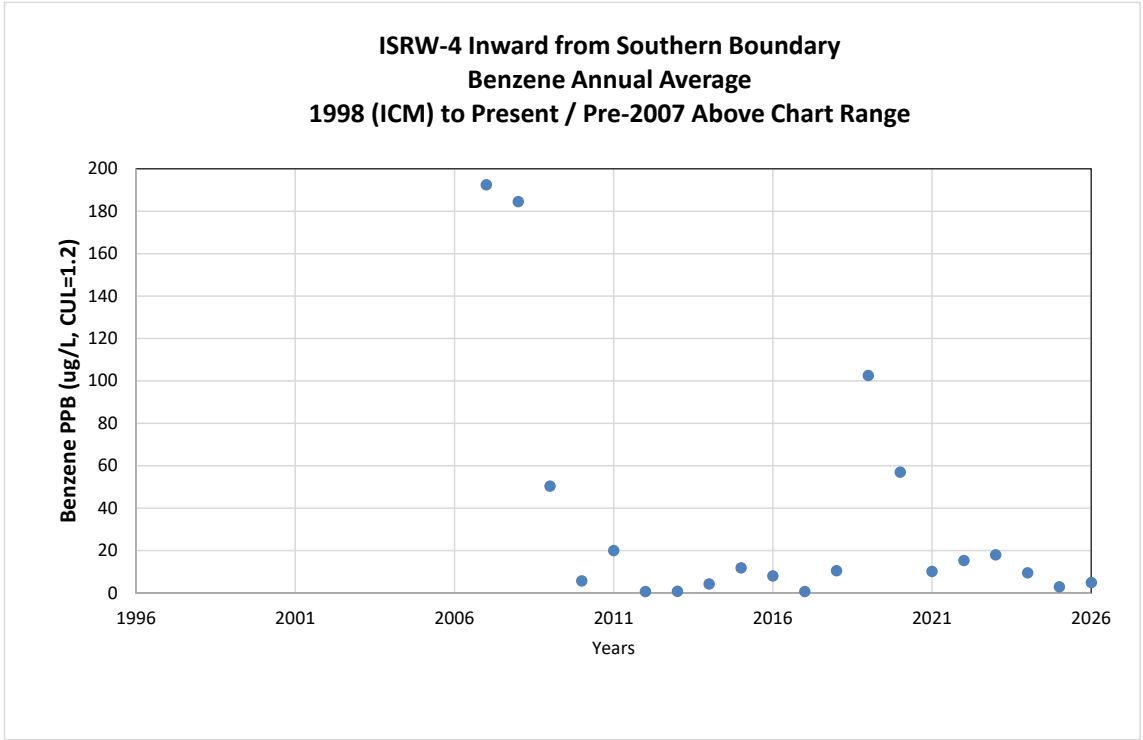

ISRW-2b Up-Gradient East
Toluene Annual Average
1998 (ICM) to Present / Pre-2002 Above Chart Range
Toluene PPB (ug/L, CUL=2,000)
100,000
90,000
80,000
70,000
60,000
50,000
40,000
30,000
20,000
10,000
0
1995
2000
2005
2010
2015
2020
2025
Years
Toluene Annual Average

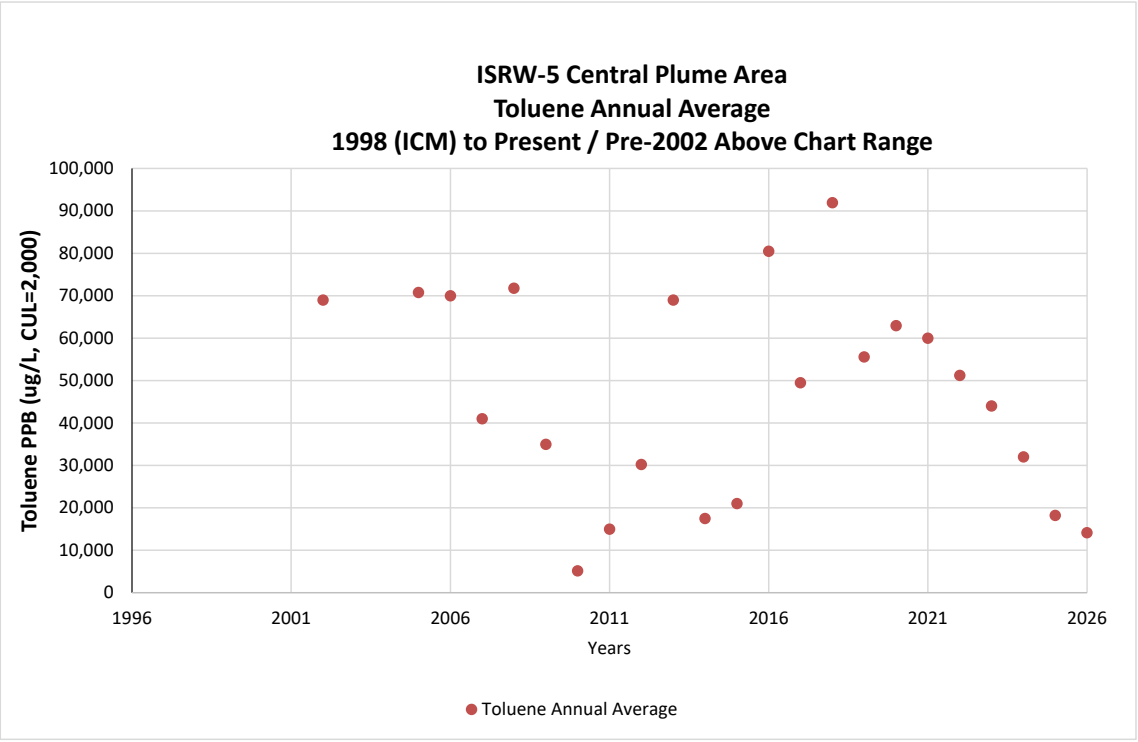

ISRW-2b Up-Gradient East
Benzene Annual Average
1998 (ICM) to Present
Pre-2005 Concentration Above Chart Range
Benzene PPB (ug/L, CUL=1.2)
200
180
160
140
120
100
80
60
40
20
0
1995
2000
2005
2010
2015
2020
2025
Years
Benzene Annual Average

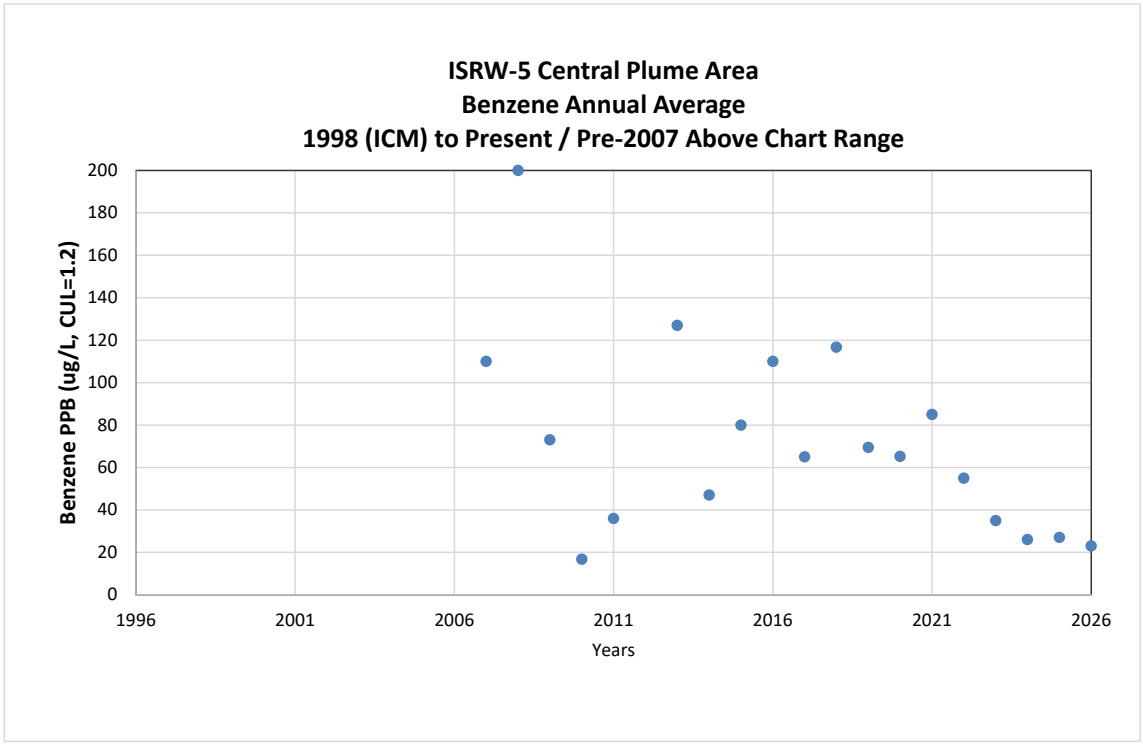

ISRW-3 Central Plume Area
Toluene Annual Average
1998 (ICM) to Present / Pre-2002 Above Chart Range
Toluene PPB (ug/L, CUL=2,000)
100,000
80,000
60,000
40,000
20,000
-
1996
2001
2006
2011
2016
2021
2026
Years
Toluene Annual Average

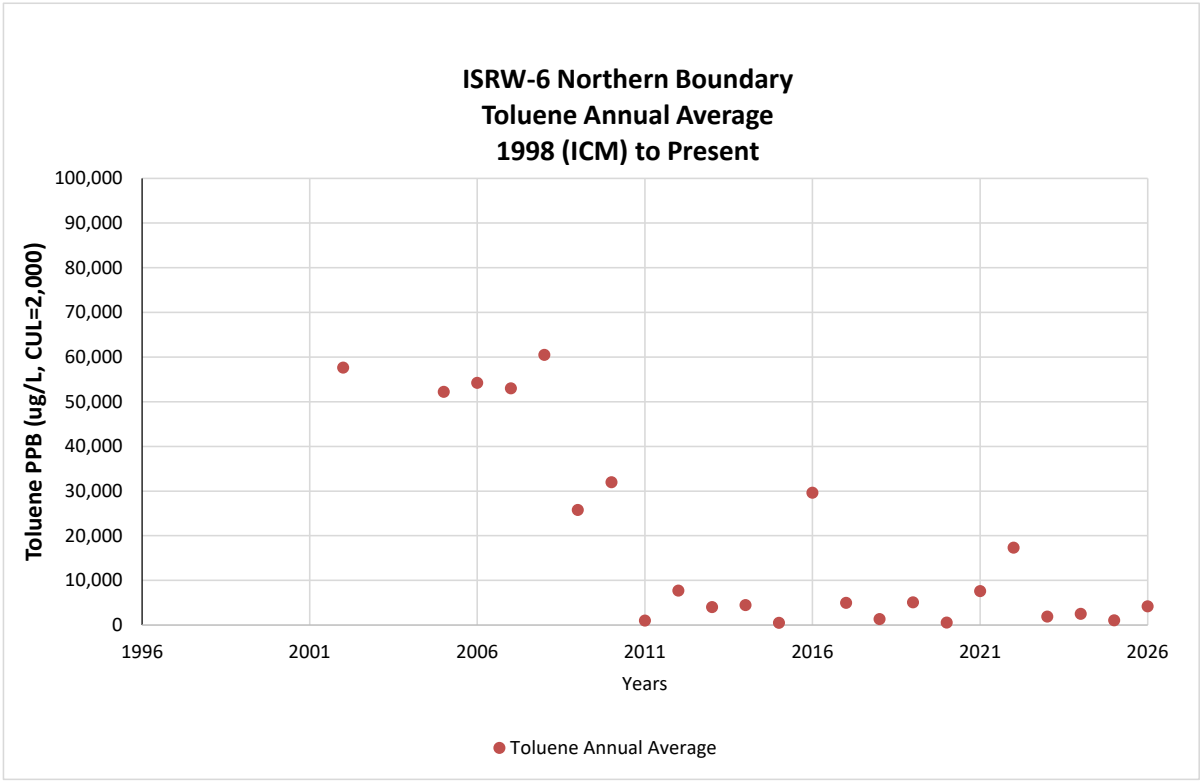

ISRW-3 Central Plume Area
Benzene Annual Average
1998 (ICM) to Present / Pre-2007 Above Chart Range
Benzene PPB (ug/L, CUL=1.2)
200
180
160
140
120
100
80
60
40
20
0
1996
2001
2006
2011
2016
2021
2026
Years

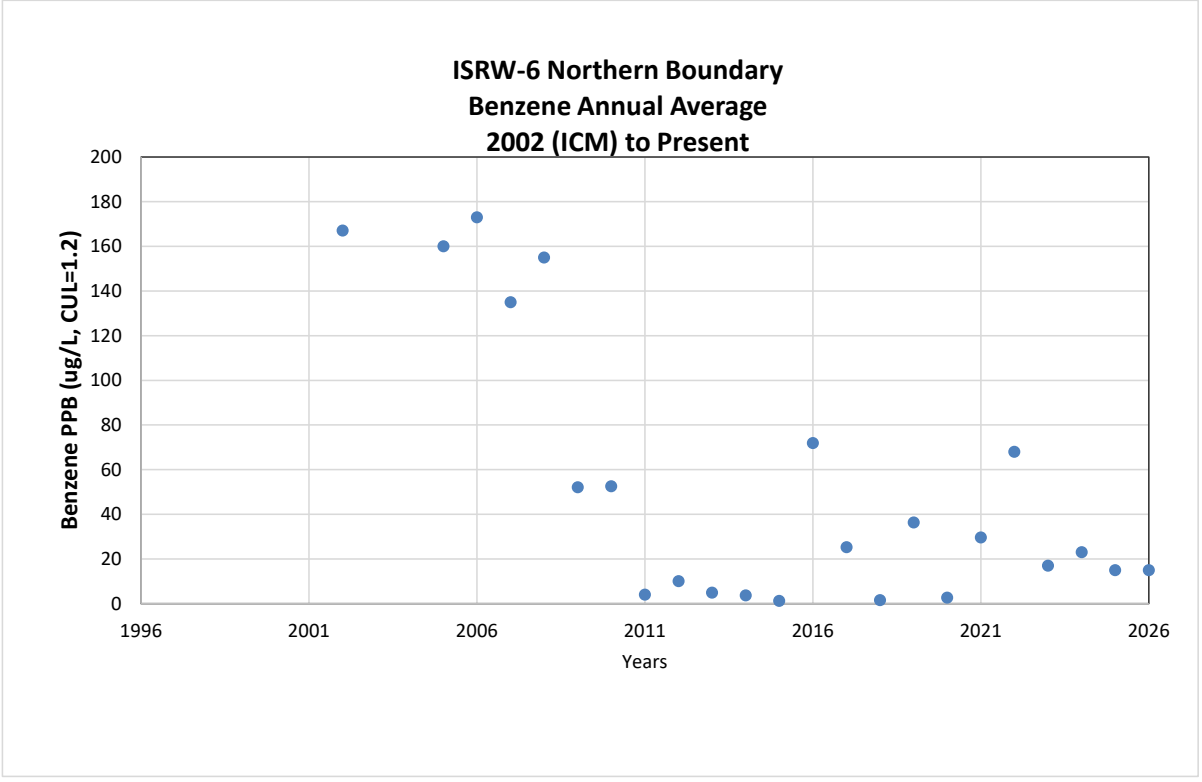

ISRW-4 Inward from Southern Boundary
Toluene Annual Average
1998 (ICM) to Present / Pre-2002 Above Chart Range
Toluene PPB (ug/L, CUL=2,000)
100,000
90,000
80,000
70,000
60,000
50,000
40,000
30,000
20,000
10,000
0
1996
2001
2006
2011
2016
2021
2026
Years
Toluene Annual Average

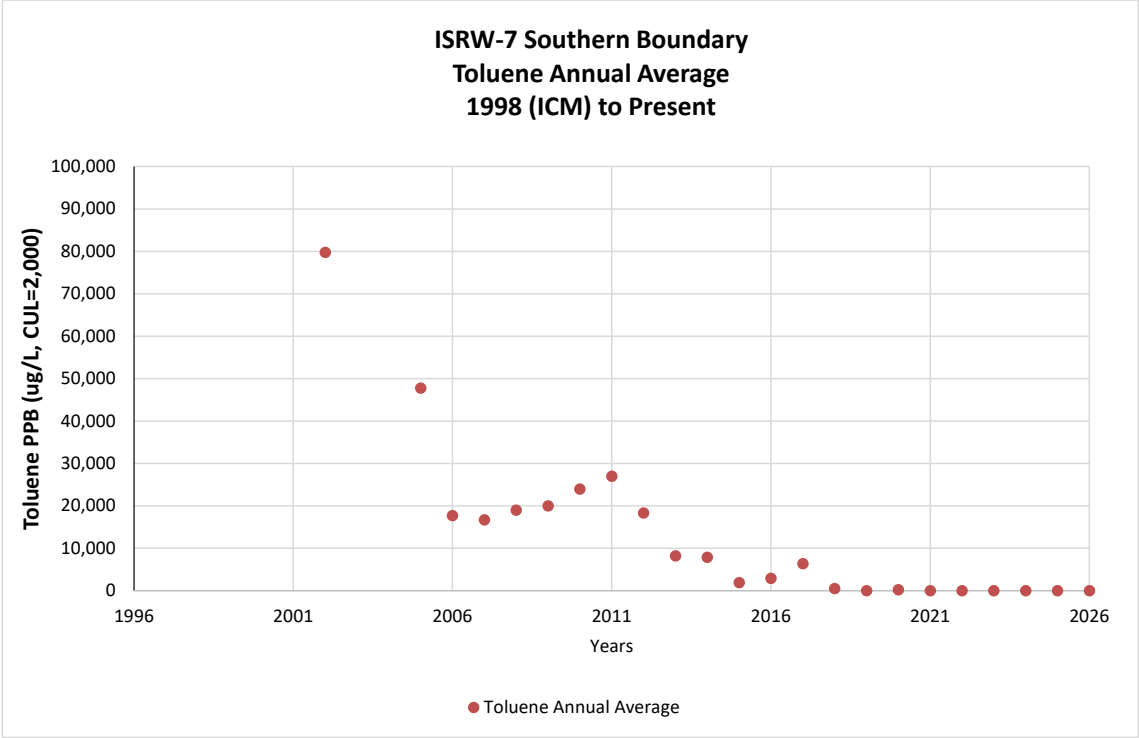

ISRW-4 Inward from Southern Boundary
Benzene Annual Average
1998 (ICM) to Present / Pre-2007 Above Chart Range
Benzene PPB (ug/L, CUL=1.2)
200
180
160
140
120
100
80
60
40
20
0
1996
2001
2006
2011
2016
2021
2026
Years

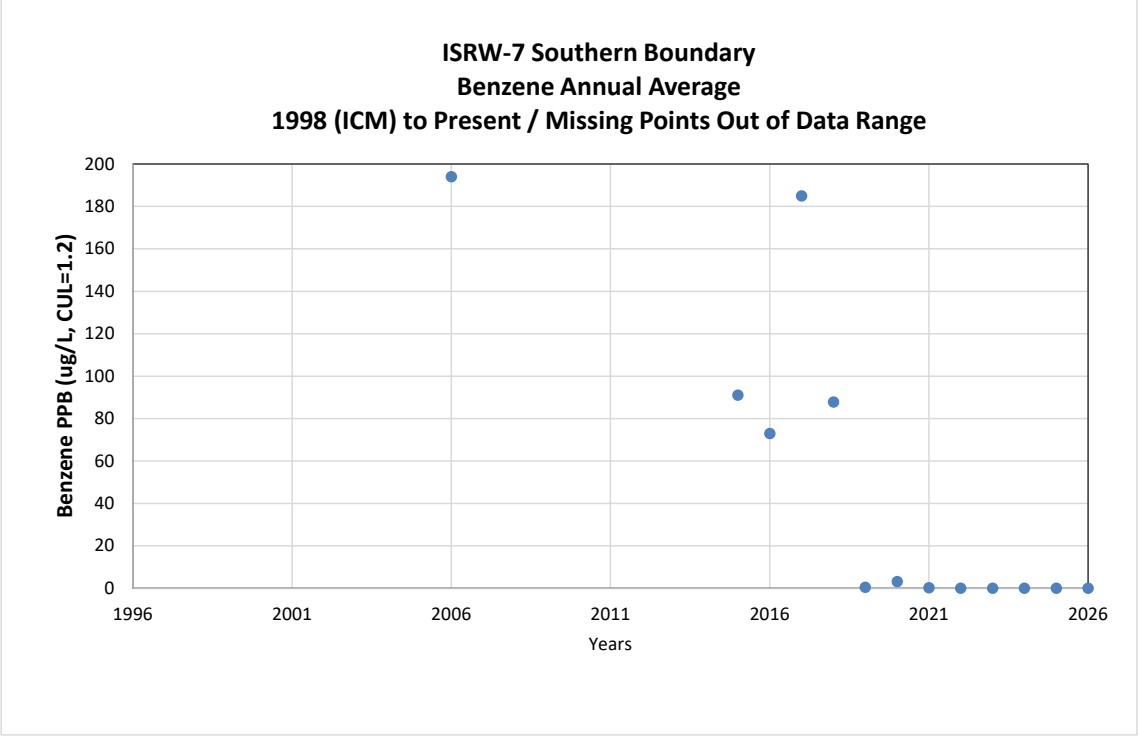

ISRW-5 Central Plume Area
Toluene Annual Average
1998 (ICM) to Present / Pre-2002 Above Chart Range
Toluene PPB (ug/L, CUL=2,000)
100,000
90,000
80,000
70,000
60,000
50,000
40,000
30,000
20,000
10,000
0
1996
2001
2006
2011
2016
2021
2026
Years
Toluene Annual Average

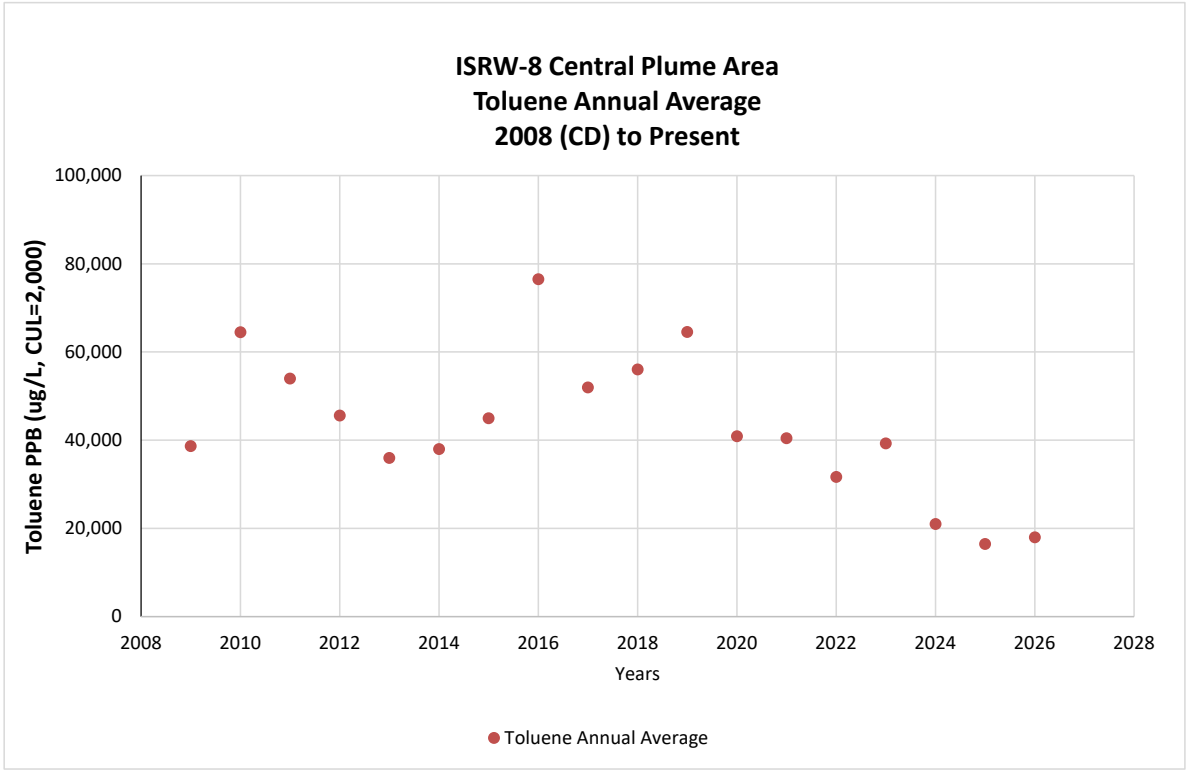

ISRW-5 Central Plume Area
Benzene Annual Average
1998 (ICM) to Present / Pre-2007 Above Chart Range
Benzene PPB (ug/L, CUL=1.2)
200
180
160
140
120
100
80
60
40
20
0
1996
2001
2006
2011
2016
2021
2026
Years

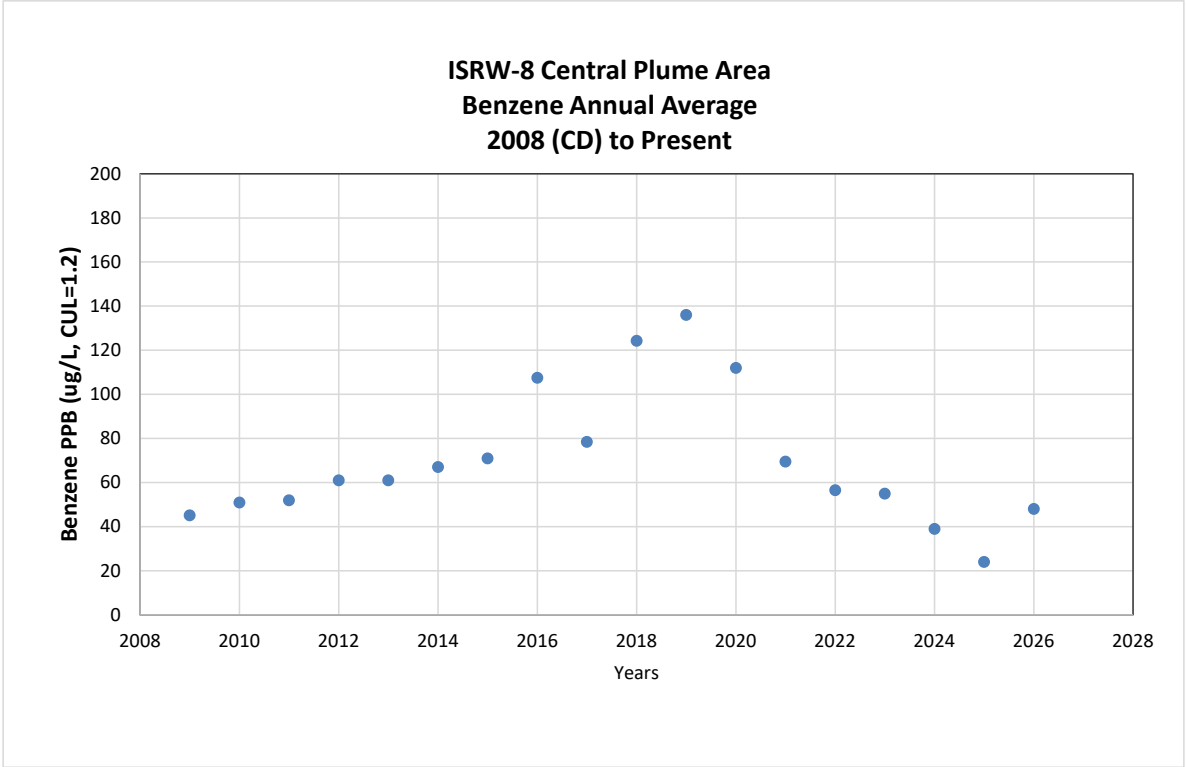

ISRW-6 Northern Boundary
Toluene Annual Average
1998 (ICM) to Present
Toluene PPB (ug/L, CUL=2,000)
100,000
90,000
80,000
70,000
60,000
50,000
40,000
30,000
20,000
10,000
0
1996
2001
2006
2011
2016
2021
2026
Years
Toluene Annual Average

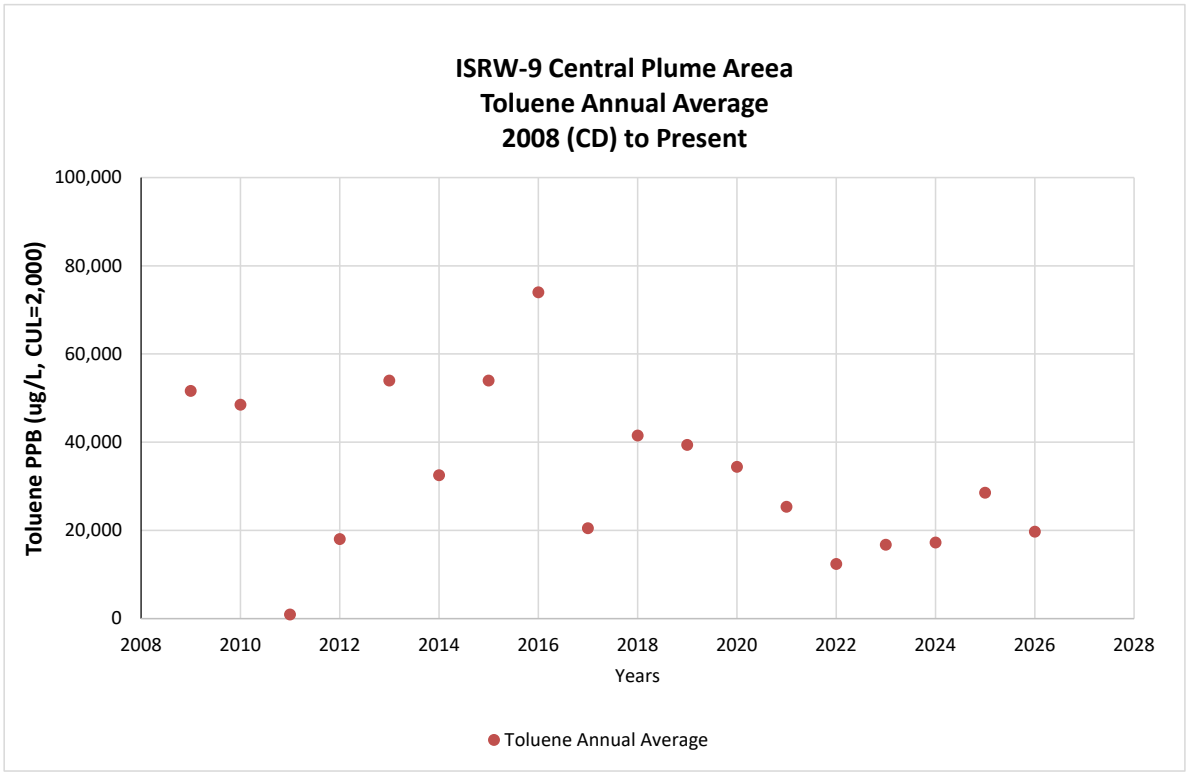

ISRW-6 Northern Boundary
Benzene Annual Average
2002 (ICM) to Present
Benzene PPB (ug/L, CUL=1.2)
200
180
160
140
120
100
80
60
40
20
0
1996
2001
2006
2011
2016
2021
2026
Years

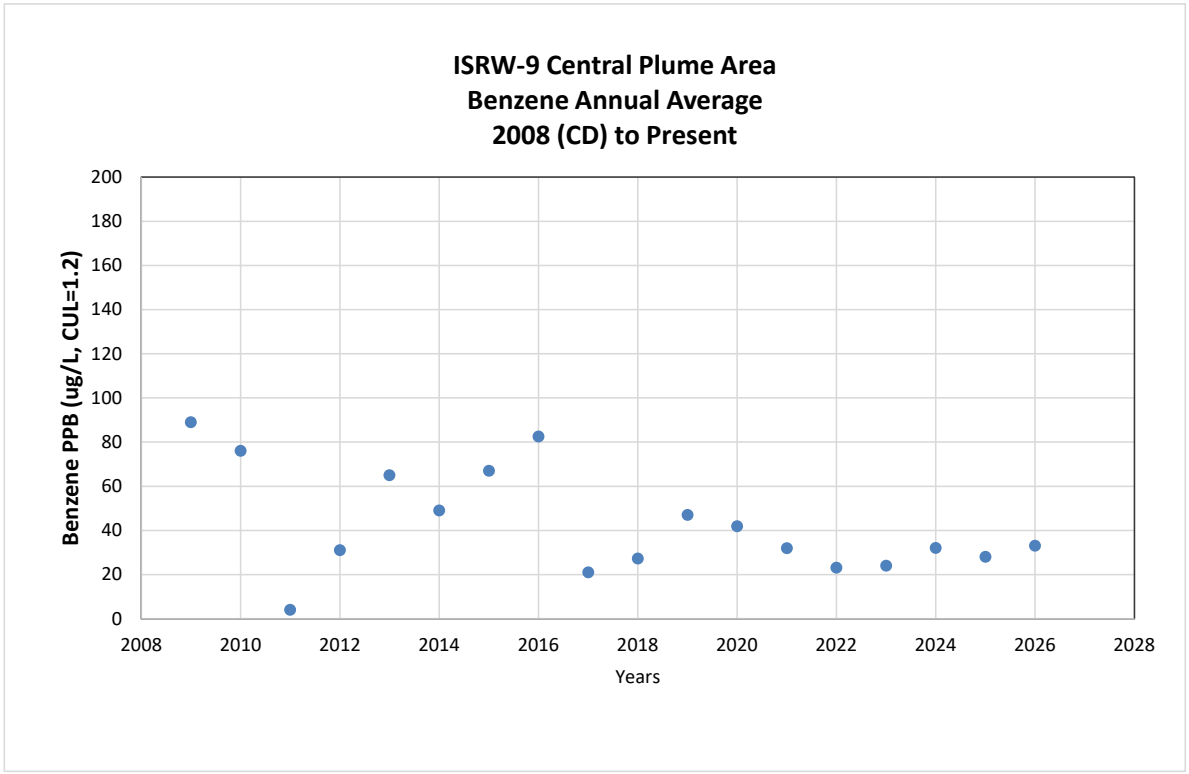

ISRW-7 Southern Boundary
Toluene Annual Average
1998 (ICM) to Present
Toluene PPB (ug/L, CUL=2,000)
100,000
90,000
80,000
70,000
60,000
50,000
40,000
30,000
20,000
10,000
0
1996
2001
2006
2011
2016
2021
2026
Years
Toluene Annual Average

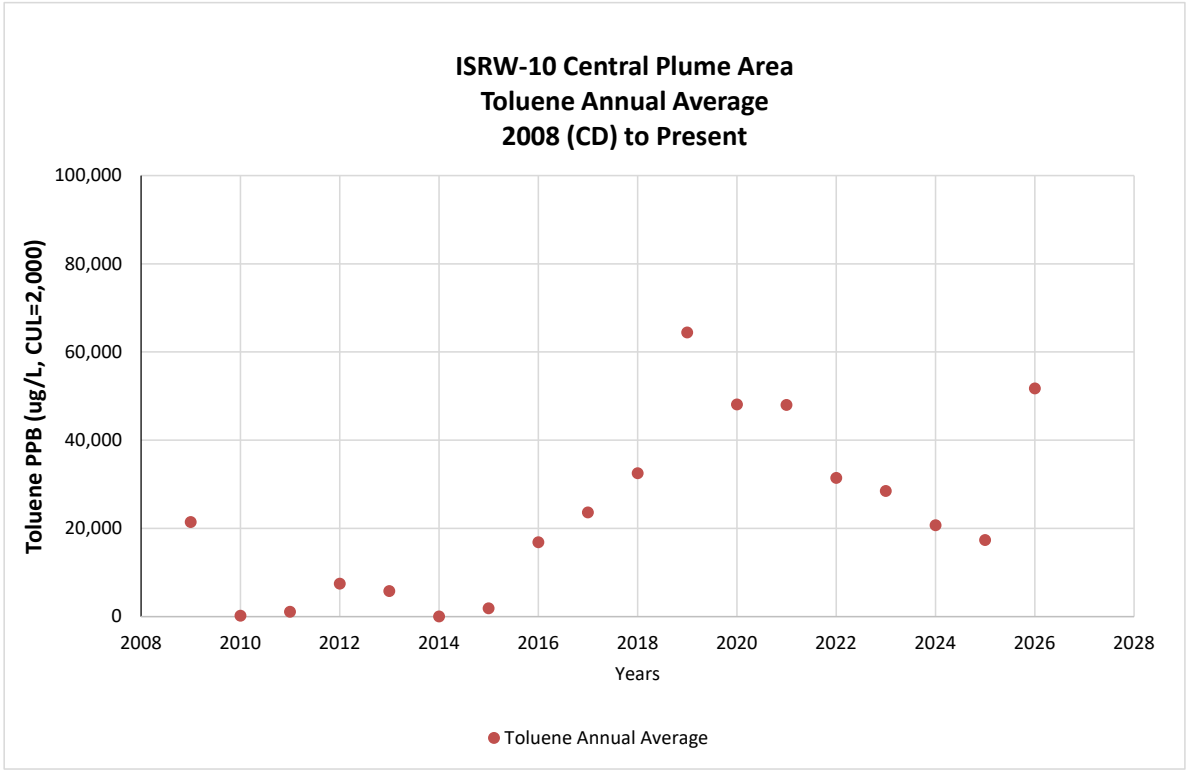

ISRW-7 Southern Boundary
Benzene Annual Average
1998 (ICM) to Present / Missing Points Out of Data Range
Benzene PPB (ug/L, CUL=1.2)
200
180
160
140
120
100
80
60
40
20
0
1996
2001
2006
2011
2016
2021
2026
Years

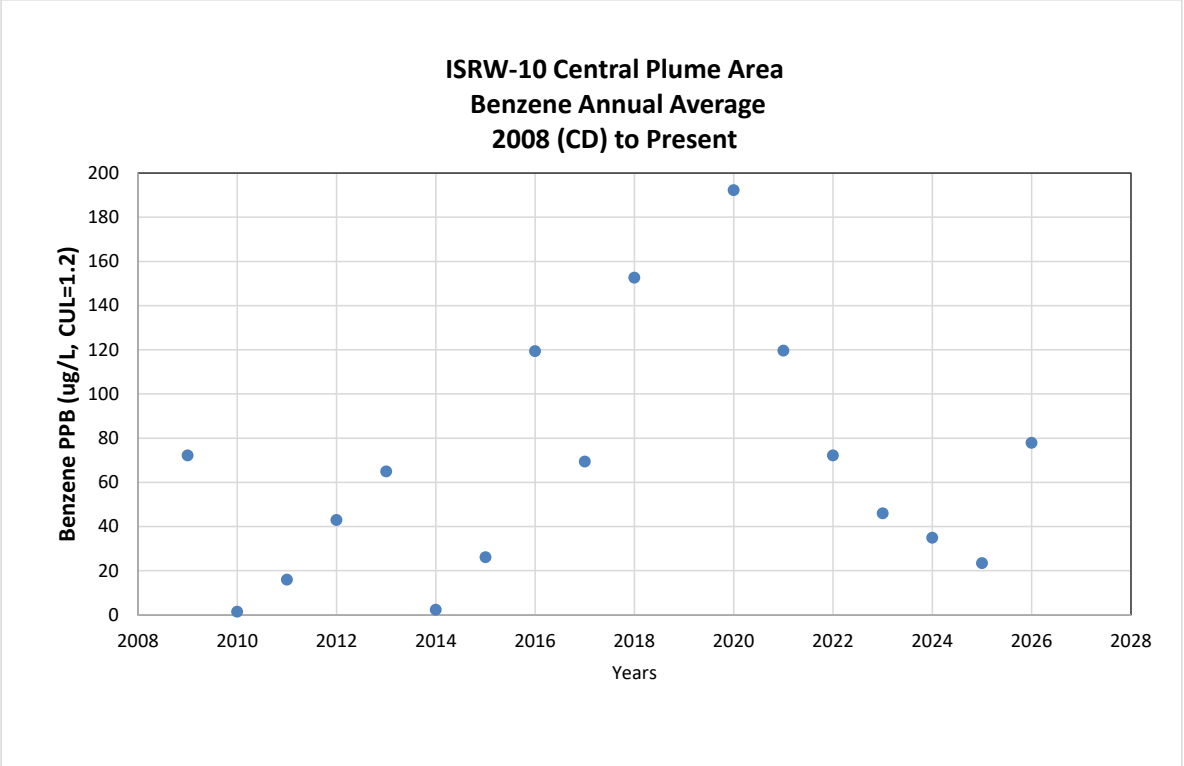

ISRW-8 Central Plume Area
Toluene Annual Average
2008 (CD) to Present
Toluene PPB (ug/L, CUL=2,000)
100,000
80,000
60,000
40,000
20,000
0
2008
2010
2012
2014
2016
2018
2020
2022
2024
2026
2028
Years
Toluene Annual Average


ISRW-8 Central Plume Area
Benzene Annual Average
2008 (CD) to Present
Benzene PPB (ug/L, CUL=1.2)
200
180
160
140
120
100
80
60
40
20
0
2008
2010
2012
2014
2016
2018
2020
2022
2024
2026
2028
Years


ISRW-9 Central Plume Areea
Toluene Annual Average
2008 (CD) to Present
Toluene PPB (ug/L, CUL=2,000)
100,000
80,000
60,000
40,000
20,000
0
2008
2010
2012
2014
2016
2018
2020
2022
2024
2026
2028
Years
Toluene Annual Average


ISRW-9 Central Plume Area
Benzene Annual Average
2008 (CD) to Present
Benzene PPB (ug/L, CUL=1.2)
200
180
160
140
120
100
80
60
40
20
0
2008
2010
2012
2014
2016
2018
2020
2022
2024
2026
2028
Years


ISRW-10 Central Plume Area
Toluene Annual Average
2008 (CD) to Present
Toluene PPB (ug/L, CUL=2,000)
100,000
80,000
60,000
40,000
20,000
0
2008
2010
2012
2014
2016
2018
2020
2022
2024
2026
2028
Years
Toluene Annual Average


ISRW-10 Central Plume Area
Benzene Annual Average
2008 (CD) to Present
Benzene PPB (ug/L, CUL=1.2)
200
180
160
140
120
100
80
60
40
20
0
2008
2010
2012
2014
2016
2018
2020
2022
2024
2026
2028
Years