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Katie Daugherty
Oregon Department of Environmental Quality
Northwest Region 28
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DATE
16 January 2026

SUBJECT
Quarter 4, 2025, Progress Report
(October through December 2025)
Arkema Inc. Portland Plant

REFERENCE
0773710.103

Dear Katie Daugherty:

Environmental Resources Management, Inc. (ERM) is submitting this Quarterly Progress Report (QPR) on behalf of Legacy Site Services LLC (LSS), agent for Arkema Inc. (Arkema), to summarize Quarter 4, 2025, activities at the Arkema facility located at 6400 NW Front Avenue in Portland, Oregon.

Paragraph 8(G) of the Order on Consent Requiring Source Control Measures and Feasibility Study between the Oregon Department of Environmental Quality (ODEQ) and LSS, dated 31 October 2008, requires submittal of QPRs. The following progress report summarizes activities for Quarter 4, 2025 (October through December).

Weekly progress summaries for implementation of the stormwater and groundwater source control measures (SCM) have been developed over the duration of the project. The reports for Quarter 4, 2025, are included as Attachment 1 to this QPR for reference, and activities documented in the reports are not duplicated in this letter.

Actions Taken Quarter 4, 2025 (October through December)

- 1 October 2025: Representatives from ERM and LSS had a biweekly progress call with the ODEQ regarding Interim Remedial Action Measure (IRAM) 1.
- 9 October 2025: ERM, on behalf of LSS, received comments from the ODEQ regarding the 2024 Groundwater Extraction and Treatment (GWET) System Effectiveness Evaluation (GWET SEE) Report.
- 13 October 2025: ERM, on behalf of LSS, submitted the September 2025 monthly Discharge Monitoring Report (DMR) and the Quarter 2 quarterly DMR for the performance monitoring of the stormwater SCM, including supplemental Copper Biotic Ligand Model (BLM) data.
- 13 October 2025: ERM, on behalf of LSS, submitted the August 2025 monthly DMR for National Pollutant Discharge Elimination System (NPDES) permit compliance monitoring of the GWET system.

- 15 October 2025: Representatives from ERM and LSS had a biweekly progress call with the ODEQ regarding IRAM 1.
- 16 October 2025: ERM, on behalf of LSS, submitted the revised IRAM 1 Performance Monitoring Well Network Installation Work Plan to the ODEQ.
- 17 October 2025: ERM, on behalf of LSS, submitted the August 2025 monthly progress report (MPR) to the ODEQ.
- 17 October 2025: ERM, on behalf of LSS, submitted the Quarter 3, 2025, QPR, to the ODEQ.
- 28 October 2025: ERM, on behalf of LSS, received comments from the ODEQ regarding the revised IRAM 1 Performance Monitoring Well Network Installation Work Plan.
- 28 October 2025: ERM, on behalf of LSS, submitted the additionally revised IRAM 1 Performance Monitoring Well Network Installation Work Plan to the ODEQ.
- 29 October 2025: Representatives from ERM and LSS had a biweekly progress call with the ODEQ regarding IRAM 1.
- 31 October 2025: ERM, on behalf of LSS, shut down the wellfield as planned in preparation for the IRAM 1 In Situ Stabilization (ISS) work. ODEQ was notified of the shutdown.
- 31 October 2025: ERM, on behalf of LSS, notified the ODEQ of the revised pesticide groundwater sampling protocol for the ISS performance monitoring well installation.
- 3 November 2025: ERM, on behalf of LSS, received approval from the ODEQ regarding the revised pesticide groundwater sampling protocol for the ISS performance monitoring well installation.
- 3 November 2025: ERM, on behalf of LSS, received approval from the ODEQ on the IRAM 1 Performance Monitoring Well Network Installation Work Plan.
- 4 November 2025: ERM, on behalf of LSS, began sampling wells installed for the performance monitoring of IRAM 1. Sampling was completed on 7 November 2025.
- 6 November 2025: ERM, on behalf of LSS, submitted the September 2025 MPR to the ODEQ.
- 10 November 2025: Representatives from ERM and LSS had a biweekly progress call with the ODEQ regarding IRAM 1.
- 12 November 2025: ERM, on behalf of LSS, submitted the Leapfrog 3D model viewer file to the ODEQ.
- 14 November 2025: ERM, on behalf of LSS, submitted the September 2025 monthly DMR for NPDES permit compliance monitoring of the GWET system.
- 14 November 2025: ERM, on behalf of LSS, submitted the October 2025 monthly DMR for the performance monitoring of the stormwater SCM, including supplemental Copper BLM data.

- 26 November 2025: Representatives from ERM and LSS had a biweekly progress call with the ODEQ regarding IRAM 1.
- 8 December 2025: ERM, on behalf of LSS, began the Quarter 4, 2025, groundwater monitoring event. Wells installed for the performance monitoring of the IRAM 1 work were also sampled during this event. The event was completed on 15 December 2025.
- 8 December 2025: ERM, on behalf of LSS, submitted the October 2025 MPR to the ODEQ.
- 8 December 2025: ERM, on behalf of LSS, submitted the Shallow Soil Sampling and Analysis Plan to the ODEQ.
- 10 December 2025: Representatives from ERM and LSS had a biweekly progress call with the ODEQ regarding IRAM 1.
- 16 December 2025: Representatives from ERM, the ODEQ, and the United States Environmental Protection Agency met onsite for a site visit to observe the IRAM performance monitoring well installation.
- 16 December 2025: ERM, on behalf of LSS, submitted the October 2025 monthly DMR for NPDES permit compliance monitoring of the GWET system.
- 16 December 2025: ERM, on behalf of LSS, submitted the November 2025 monthly DMR for the performance monitoring of the stormwater SCM, including supplemental Copper BLM data.
- 19 December 2025: ERM, on behalf of LSS, submitted the revised Contaminated Material Management Plan (CMMP) for ISS to the ODEQ.

Actions Scheduled for Quarter 1, 2026 (January through March)

- The QPR for Quarter 4, 2025, will be prepared and submitted.
- LSS will continue to monitor discharges from the stormwater SCM and submit monthly monitoring reports as well as Copper BLM data to the ODEQ.
- The GWET system will remain shut down in preparation for the IRAM 1 ISS implementation.
- LSS will conduct routine maintenance on the stormwater SCM.
- LSS will conduct groundwater monitoring for Quarter 1, 2026, including baseline groundwater monitoring for the IRAM 1 Performance Monitoring Well Network.
- LSS will submit the Quarter 3, 2025, and Quarter 4, 2025, Groundwater Monitoring Reports.
- LSS will submit the 2025 GWET SEE Report.
- LSS will submit the IRAM 1 Final Design Report.
- LSS will begin pre-mobilization efforts for the IRAM 1 ISS.

Summary of Validated Data

- Weekly compliance and quarterly characterization sampling of the GWET system data were received and validated. These data were presented in the respective monthly DMRs.
- Quarter 3, 2025, groundwater monitoring data were reviewed and validated during Quarter 4, 2025. These data are included in Attachment 2 and are presented in the Quarterly Groundwater Monitoring Report for Quarter 3, 2025.
- Quarter 4, 2025, groundwater monitoring event data were collected. These data will be reviewed, validated, and presented in the Quarterly Groundwater Monitoring Report for Quarter 4, 2025.

Problems Experienced During Quarter

Specific problems experienced during the GWET system optimization and operation are documented in the attached weekly progress reports. No other problems were experienced during Quarter 4, 2025.

Closing

If you have questions or comments pertaining to this progress report, please contact us at (503) 488-5282.

Sincerely,



Chase McLaughlin
Partner



Avery Soplata
Project Manager

Attachments

cc: Thierry Razat, LSS
Laura Hanna, USEPA
Matt Stock, Joyce Ziker Parkinson
Lance Peterson, CDM
Karen Traeger, LSS
David Livermore, Integral
Rob Webb, Dalton, Olmsted, and Fuglevand



ATTACHMENT 1 QUARTER 4, 2025, WEEKLY
PROGRESS REPORTS



Groundwater Extraction and Treatment (GWET) System Weekly Progress Report Week from: 26 September 2025 to 2 October 2025 Former Arkema Facility, Portland, Oregon

Plant Operations

Groundwater extraction at select recovery / extraction wells, treatment, and discharge proceeded continuously. The uptime for the reporting period was 100 percent. The average system influent flow rate for the week was 15.6 gpm. Recovery / extraction wells RW-14, RW-22, RW-25, EW-01, EW-03, EW-05, EW-07, EW-09, EW-12, and EW-14 were in operation during the reporting period. The total influent volume for the week was 222,450 gallons or 35 percent of the target capture objective of 60 gpm at 100 percent uptime.

- Friday, 26 September 2025: Operator performed general O&M and housekeeping. Operators refueled the generator for the job trailer. Backwashed carbon vessel CT-1.
- Saturday, 27 September 2025: Operator performed general O&M and housekeeping. Removed oil/water separator absorbent from 5-gallon bucket and stored inside 55-gallon drum. Documented anomalies from ALAP findings into Total Energies MySafety4All.
- Sunday, 28 September 2025: Operator performed general O&M and cycled the filter press.
- Monday, 29 September 2025: Operators performed general O&M and housekeeping. Cascade crew onsite for well installation. Additional roll-off box dropped off for wellfield crew. Removed LOTO from FBR recirculation pump P-8 and started (612 gpm). LOTO breaker LP2-20 and replaced fluorescent tube lighting fixtures with LED fixtures in the electrical and OIT rooms. Assessed plumbing to install a water heater in the Admin building. Assessed wheelchair access to the restrooms in the Admin building.
- Tuesday, 30 September 2025: Operators performed general O&M, cycled the filter press, and housekeeping. Cascade crew onsite for well installation. Calibrated YSI meter for pH, conductivity, D.O., and ORP. pH 10 would not calibrate, operator ordered new probe. Senior operator met with Cochran Electric to assess electric for the job trailer and water heater in the Admin building. Old auto-sampler transported to waste transfer station.
- Wednesday, 1 October 2025: Operators performed general O&M and housekeeping. Cascade onsite for well installation. Operator started the auto-sampler for

collection of the weekly NPDES compliance samples. Installed new D.O. sensor on the YSI meter and recalibrated.

- Thursday, 2 October 2025: Operators performed general O&M and cycled the filter press. Cascade onsite for well installation. Collected weekly compliance samples and sent to Eurofins. Staff from American Rail onsite for site walk. Installed new pH sensor on the YSI meter and recalibrated.

Recovery / Extraction Well Status

- The current influent flow rate is **15 gpm**, with recovery / extraction wells RW-14, RW-22, RW-25, EW-01, EW-03, EW-05, EW-07, EW-09, EW-12, and EW-14.
- EW-02: Flowmeter signal issue in MCC-1.
- EW-04: Off since 7/3, fouled pump to be changed out.
- EW-06: Off since 6/26, fouled pump to be changed out.
- EW-08: Off since 9/10.
- EW-10: Off since 6/30.
- EW-11: Off since 8/31.
- EW-13: Off since 9/2.
- RW-23: Off since 8/19.

Transducer Status

- None.

Sampling

- LGAC check samples were not collected this week.
- Weekly compliance samples collected on 2 October 2025 and sent to Eurofins.

Stormwater

- Weekly ISCO sampler and stormwater pond inspection conducted.



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Groundwater Extraction and Treatment (GWET) System Weekly Progress Report Week from: 3 October 2025 to 9 October 2025 Former Arkema Facility, Portland, Oregon

Plant Operations

Groundwater extraction at select recovery / extraction wells, treatment, and discharge proceeded continuously. The uptime for the reporting period was 99 percent due to shutting down the wellfield for 1.5 hours to clean the plate separator (PS-1). The average system influent flow rate for the week was 15.2 gpm. Recovery / extraction wells RW-14, RW-22, RW-25, EW-01, EW-03, EW-05, EW-07, EW-09, EW-12, and EW-14 were in operation during the reporting period. The total influent volume for the week was 223,540 gallons or 37 percent of the target capture objective of 60 gpm at 100 percent uptime.

- Friday, 3 October 2025: Operator performed general O&M. Backwashed carbon vessel CT-1. Shut down the wellfield at 0800 for 1.5 hours to clean PS-1. Wasted solids from tank T-7 into a dewatering box.
- Saturday, 4 October 2025: Operator performed general O&M and cycled the filter press.
- Sunday, 5 October 2025: Operator performed general O&M and housekeeping.
- Monday, 6 October 2025: Operators performed general O&M, cycled the filter press, and housekeeping. Cascade crew onsite for well installation. Collected LGAC check samples and sent to Eurofins.
- Tuesday, 7 October 2025: Operators performed general O&M, cycled the filter press, and housekeeping. Cascade crew onsite for well installation. Fergusons delivered a new water heater for the Admin building.
- Wednesday, 8 October 2025: Operators performed general O&M and housekeeping. Cascade onsite for well installation. Operator started the auto-sampler for collection of the weekly NPDES compliance samples. ERMer observed a leak in fire cabinet and notified an operator. The leak was from oil-based wood sealant jug. Operator cleaned up the leak and placed oil absorbent pads on the shelves. The spent rags were placed in the spent oil drum. SavATree onsite for vegetation removal event.
- Thursday, 9 October 2025: Operators performed general O&M and cycled the filter press. Cascade onsite for well installation. Collected weekly compliance samples and sent to Eurofins.

Recovery / Extraction Well Status

- The current influent flow rate is **15 gpm**, with recovery / extraction wells RW-14, RW-22, RW-25, EW-01, EW-03, EW-05, EW-07, EW-09, EW-12, and EW-14.
- EW-02: Flowmeter signal issue in MCC-1.
- EW-04: Off since 7/3.
- EW-06: Off since 6/26.
- EW-08: Off since 9/10.
- EW-10: Off since 6/30.
- EW-11: Off since 8/31.
- EW-13: Off since 9/2.
- RW-23: Off since 8/19.

Transducer Status

- None.

Sampling

- LGAC check samples collected on 6 October 2025 and sent to Eurofins.
- Weekly compliance samples collected on 9 October 2025 and sent to Eurofins.

Stormwater

- Weekly ISCO sampler and stormwater pond inspection conducted.



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Groundwater Extraction and Treatment (GWET) System Weekly Progress Report Week from: 10 October 2025 to 16 October 2025 Former Arkema Facility, Portland, Oregon

Plant Operations

Groundwater extraction at select recovery / extraction wells, treatment, and discharge proceeded continuously. The uptime for the reporting period was 100 percent. The average system influent flow rate for the week was 14.5 gpm. Recovery / extraction wells RW-14, RW-22, RW-25, EW-01, EW-02, EW-03, EW-05, EW-07, EW-09, EW-12, and EW-14 were in operation during the reporting period. The total influent volume for the week was 191,550 gallons or 32 percent of the target capture objective of 60 gpm at 100 percent uptime.

- Friday, 10 October 2025: Operator performed general O&M, housekeeping, and cycled the filter press. Conducted October water level event.
- Saturday, 11 October 2025: Operator performed general O&M.
- Sunday, 12 October 2025: Operator performed general O&M.
- Monday, 13 October 2025: Operators performed general O&M and housekeeping. Cascade crew onsite for well installation.
- Tuesday, 14 October 2025: Operators performed general O&M, cycled the filter press, and housekeeping. Cascade crew onsite for well installation. Operators transported scrap metal to recycling facility. Upgraded lighting in the compressor room with LED light fixtures. Used open electrical permit to work from previous lighting work and LOTO breaker before starting work. ERM's J. Dauphinais onsite for a health and safety walk with M. Otto. Waste characterization samples (PMP soil waste) collected from the roll-offs generated during Arkema well abandonment and installation.
- Wednesday, 15 October 2025: Operators performed general O&M and housekeeping. Cascade onsite for well installation. Operator started the auto-sampler for collection of the weekly NPDES compliance samples. Completed lighting fixture upgrades in the compressor room. Operator responded to early morning high level alarms at tanks T-12, T-9, and T-3. Managed tank levels and placed tank T-9 on manual fill control. SavATree onsite for herbicide spraying from front gate to stormwater trench at Lot 3. Univar onsite to fill the caustic mini-bulk. Disassembled pump P-PS-1 for repair. Installed muffler on air line for air compressor to dampen the sound.
- Thursday, 16 October 2025: Operators performed general O&M and cycled the filter press. Cascade onsite for well installation. Collected weekly compliance samples

and sent to Eurofins. Changed out pumps at extraction well EW-01 and EW-03. SavATree onsite to complete herbicide spraying. PDX Restoration onsite for site walk of Admin building. Dewatered outside poly tank through GWET-INF. Univar onsite to change out the battery on the telemetry for the caustic mini-bulk tank. Tank T-12 pump P-PS-9 failed, swapped out the 2-inch AODD pump with 1-inch AODD pump and disassembled the 2-inch pump for repair.

Recovery / Extraction Well Status

- The current influent flow rate is **14 gpm**, with recovery / extraction wells RW-14, RW-22, RW-25, EW-01, EW-02, EW-03, EW-05, EW-07, EW-09, EW-12, and EW-14.
- EW-02: Flowmeter signal issue in MCC-1. Started 10/14.
- EW-04: Off since 7/3.
- EW-06: Off since 6/26.
- EW-08: Off since 9/10.
- EW-10: Off since 6/30.
- EW-11: Off since 8/31.
- EW-13: Off since 9/2.
- RW-23: Off since 8/19.

Transducer Status

- None.

Sampling

- LGAC check samples not collected this week.
- Weekly compliance samples collected on 16 October 2025 and sent to Eurofins.
- Waste characterization samples (PMP soil waste) collected 14 October 2025 and sent to Eurofins 16 October 2025.
- Additional PMP soil samples collected and sent to Eurofins 16 October 2025.

Stormwater

- Weekly ISCO sampler and stormwater pond inspection conducted.



Groundwater Extraction and Treatment (GWET) System Weekly Progress Report Week from: 17 October 2025 to 23 October 2025 Former Arkema Facility, Portland, Oregon

Plant Operations

Groundwater extraction at select recovery / extraction wells, treatment, and discharge proceeded continuously. The uptime for the reporting period was 99 percent due to de-energizing the wellfield for drilling operations (1.5 hours). The average system influent flow rate for the week was 12.7 gpm. Recovery / extraction wells RW-14, RW-22, RW-25, EW-01, EW-02, EW-03, EW-05, EW-07, EW-09, EW-11, EW-12, and EW-14 were in operation during the reporting period. The total influent volume for the week was 191,630 gallons or 32 percent of the target capture objective of 60 gpm at 100 percent uptime.

- Friday, 17 October 2025: Operator performed general O&M and cycled the filter press. Changed out pumps at extraction wells EW-03 and EW-11. Refueled the job trailer generator. Cleaned and calibrated tank T-3 turbidimeter. Repaired 2-inch AODD pump P-PS-9 for tank T-12. Backwashed carbon vessel CT-1.
- Saturday, 18 October 2025: Operator performed general O&M.
- Sunday, 19 October 2025: Operator performed general O&M and cycled the filter press. Checked transducer calibration at PA-28.
- Monday, 20 October 2025: Operators performed general O&M and housekeeping. Cascade crew onsite for well installation. Wasted tanks T-9 and T-10, cleared out the carbon buildup from the wasting hose to bio box 5. LOTO all three MCC rooms, shutdown the GWET plant, and de-energized the wellfield at 0930 for the drillers to clear any utilities. Operator re-energized the wellfield and restarted the GWET plant at 1100.
- Tuesday, 21 October 2025: Operators performed general O&M and housekeeping. Cascade crew onsite for well installation.
- Wednesday, 22 October 2025: Operators performed general O&M and cycled the filter press. Cascade onsite for well installation. Operator started the auto-sampler for collection of the weekly NPDES compliance samples. C&E Rental dropped off a rental forklift and picked up the site forklift for service. Cochran Electric onsite to install a concrete pad in anticipation of relocating the transformer for the job trailer. Technician verified zero energy with a multimeter before dismantling the disconnects from the transformer. ERM assessed grounding rod location for the transformer.

- Thursday, 23 October 2025: Operators performed general O&M and cycled the filter press. Cascade onsite for well installation. Collected weekly compliance samples and sent to Eurofins.

Recovery / Extraction Well Status

- The current influent flow rate is **13 gpm**, with recovery / extraction wells RW-14, RW-25, EW-01, EW-02, EW-03, EW-05, EW-07, EW-09, EW-11, and EW-14.
- EW-02: Flowmeter signal issue in MCC-1. Started 10/14.
- EW-03: Changed out fouled pump 10/17.
- EW-04: Off since 7/3.
- EW-06: Off since 6/26.
- EW-08: Off since 9/10.
- EW-10: Off since 6/30.
- EW-11: Changed out fouled pump 10/17.
- EW-12: Off since 10/17.
- EW-13: Off since 9/2.
- RW-22: Off since 10/11.
- RW-23: Off since 8/19.

Transducer Status

- None.

Sampling

- LGAC check samples not collected this week.
- Weekly compliance samples collected on 23 October 2025 and sent to Eurofins.

Stormwater

- Weekly ISCO sampler and stormwater pond inspection conducted.



Groundwater Extraction and Treatment (GWET) System Weekly Progress Report Week from: 24 October 2025 to 30 October 2025 Former Arkema Facility, Portland, Oregon

Plant Operations

Groundwater extraction at select recovery / extraction wells, treatment, and discharge proceeded continuously. The uptime for the reporting period was 100 percent. The average system influent flow rate for the week was 12.5 gpm. Recovery / extraction wells RW-14, RW-25, EW-01, EW-02, EW-03, EW-05, EW-07, EW-09, EW-11, EW-12, and EW-14 were in operation during the reporting period. The total influent volume for the week was 194,760 gallons or 32 percent of the target capture objective of 60 gpm at 100 percent uptime.

- Friday, 24 October 2025: Operator performed general O&M and cycled the filter press. Operators drained outdoor tanks to tank T-8.
- Saturday, 25 October 2025: Operator performed general O&M and housekeeping.
- Sunday, 26 October 2025: Operator performed general O&M and cycled the filter press. Operator observed filter press leaking. Opened press to flush sludge from suspect plate and then restarted filter press.
- Monday, 27 October 2025: Operators performed general O&M and housekeeping. Cascade crew onsite for well development. C&E Rental dropped off a rental long reach forklift. Tidewater delivered two rental roll-off boxes for well field sediment and debris and relocated two full roll-off boxes to ensure enough clearance for the next well installations. Relocated two flat bottom poly tanks from the well field to the plant. Developed JHA outline to run 3/4-inch cable/wire rope through eco-blocks at Lot 1 and JHA for rust mitigation at the FBR. Checked/recalibrated transducers at PA-23d, PA-24d, PA-25d, and PA-26d.
- Tuesday, 28 October 2025: Operators performed general O&M and cycled the filter press. Cascade crew onsite for well installation and development.
- Wednesday, 29 October 2025: Operators performed general O&M and cycled the filter press. Cascade onsite for well installation and development. Operator started the auto-sampler for collection of the quarterly NPDES compliance samples. PGE onsite with electrical subcontractors for bid walk. Wasted tank T-7 to dewatering box #6.
- Thursday, 30 October 2025: Operators performed general O&M and cycled the filter press. Cascade onsite for well installation. Collected quarterly compliance samples and sent to Eurofins. Telluric successfully relocated the job trailer. Operators relocated the generator, fuel cell, and eco-blocks around the job trailer.

Recovery / Extraction Well Status

- The current influent flow rate is **13 gpm**, with recovery / extraction wells RW-14, RW-25, EW-02, EW-03, EW-05, EW-07, EW-09, EW-11, and EW-14.
- All well field pumps to be pulled and cleaned

Transducer Status

- Checked/recalibrated the following transducers:
 - PA-23d: No change.
 - PA-24d: LTE change from 2.45 to -0.94.
 - PA-25d: LTE change from 6.35 to 3.49.
 - PA-26d: LTE change from 8.17 to 7.93.

Sampling

- LGAC check samples not collected this week.
- Quarterly compliance samples collected on 30 October 2025 and sent to Eurofins.

Stormwater

- Weekly ISCO sampler and stormwater pond inspection conducted.



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Groundwater Extraction and Treatment (GWET) System Weekly Progress Report Week from: 31 October 2025 to 6 November 2025 Former Arkema Facility, Portland, Oregon

Plant Operations

Groundwater extraction at select recovery / extraction wells, treatment, and discharge proceeded continuously until a planned shutdown on Friday, 31 October. The wellfield was de-energized at 0745 to redirect power to the relocated transformer/job trailer. The uptime for the reporting period was 19 percent. The average system influent flow rate for the week was 2.1 gpm. Recovery / extraction wells RW-25, EW-02, EW-03, EW-05, EW-07, EW-09, EW-11, EW-12, and EW-14 were in operation during the reporting period. The total influent volume for the week was 32,030 gallons or 5 percent of the target capture objective of 60 gpm at 100 percent uptime.

- Friday, 31 October 2025: Operator performed general O&M. Installed 3/4-inch cable/wire rope through eco-blocks at Lot 1. Operators stopped discharge to the river at 0735 and stopped all recovery / extraction wells at 0745. De-energized the wellfield and lockout-tagout (LOTO) MCCs 1 through 3. Cochran Electric onsite to redirect power from MCC-1 to the relocated transformer/job trailer.
- Saturday, 1 November 2025: Operators not onsite.
- Sunday, 2 November 2025: Operators not onsite.
- Monday, 3 November 2025: Operators performed general O&M and housekeeping. ERM staff and Cascade crew onsite for well installation. Mobilized non-pcb ballasts from light fixtures to a recycling facility. Completed network cabling for the stormwater Conex box.
- Tuesday, 4 November 2025: Operators performed general O&M and housekeeping. Operator and Cascade crew onsite for well installation. Completed network cabling for Admin building.
- Wednesday, 5 November 2025: Operators performed general O&M and housekeeping. ERM staff and Cascade onsite for well installation and development.
- Thursday, 6 November 2025: Operators performed general O&M and housekeeping. ERM staff and Cascade onsite for well installation. Operators started filter press maintenance by removing the filter fabric. FBR-REC ammonia residual at 3 mg/L and ORP at -325 mV.

Recovery / Extraction Well Status

- Well field de-energized.
- All wellfield pumps and plumbing to be pulled and cleaned.

Transducer Status

- Wellfield de-energized, only transducers at Gradient Cluster 1 (GCC-1) is operational.

Sampling

- Groundwater samples at new well installations collected 7 November 2025 sent to Eurofins.

Stormwater

- Weekly ISCO sampler and stormwater pond inspection conducted.



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Groundwater Extraction and Treatment (GWET) System Weekly Progress Report Week from: 7 November 2025 to 13 November 2025 Former Arkema Facility, Portland, Oregon

Plant Operations

Groundwater extraction at select recovery / extraction wells, treatment, and discharge remained shut down following the planned shutdown of the system on Friday, 31 October. The uptime for the reporting period was 0 percent. The average system influent flow rate for the week was 0 gpm. No recovery / extraction wells were in operation during the reporting period. The total influent volume for the week was 0 gallons or 0 percent of the target capture objective of 60 gpm at 100 percent uptime.

- Friday, 7 November 2025: Operators performed general O&M and housekeeping. ERM staff and Cascade crew onsite for well installation.
- Saturday, 8 November 2025: Operators not onsite.
- Sunday, 9 November 2025: Operators not onsite.
- Monday, 10 November 2025: Operators performed general O&M and housekeeping. ERM staff and Cascade crew onsite for well installation and ERM staff and subcontractor onsite for admin building maintenance.
- Tuesday, 11 November 2025: Operators performed general O&M and housekeeping in the GWET plant and admin building. ERM staff and Cascade crew onsite for well installation and ERM staff and subcontractor onsite for admin building maintenance.
- Wednesday, 12 November 2025: Operators performed general O&M and housekeeping. Operators met with American Track to do site walk to discuss future rail infrastructure onsite. GPRS was onsite to do utility locates for the overburden soil characterization in support of the ISS work and performed locate work for the placement of electrical infrastructure near the job trailer. ERM staff and Cascade crew onsite for well installation and ERM staff and subcontractor onsite for admin building maintenance.
- Thursday, 13 November 2025: Operators performed general O&M and housekeeping. GPRS was onsite to do utility locates for the overburden soil characterization in support of the ISS work. ERM staff and Cascade crews onsite for well installation and ERM staff and subcontractor onsite for admin building maintenance.

Recovery / Extraction Well Status

- Wellfield de-energized.
- All well field pumps and plumbing to be pulled and cleaned.

Transducer Status

- Well field de-energized, only transducers at Gradient Cluster 1 (GCC-1) are operational.

Sampling

- Groundwater samples at new well installations collected 7 November 2025 sent to Eurofins on 10 November 2025.

Stormwater

- Weekly ISCO sampler and stormwater pond inspection conducted.



ATTACHMENT 2 QUARTER 3, 2025, GROUNDWATER
MONITORING DATA

**Attachment 2-1
Volatile Organic Compounds Results
Arkema Quarter 3, 2025, Groundwater Monitoring Report
Arkema Inc. Facility
Portland, Oregon**

Analyte					1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,1-Dichloropropene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromo-3-chloropropane
Unit					µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
FSWP SHSC (shaded values indicate results above the value shown)					NE	11	0.4	1.6	47	710	NE	NE	NE	0.076	NE	NE
Location ID	Sample Date	Sample Type	Aquifer Classification	Sample ID												
MWA-41	9/3/2025	N	Shallow	MWA-41-090325	< 0.11 U	< 0.025 UJ	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035 UJ	< 0.084 UJ	< 0.47 U	< 0.050 U	< 0.36 U	< 0.23 U	< 0.48 U
MWA-41	9/3/2025	FD	Shallow	DUP-01-090325	< 0.11 U	< 0.025 UJ	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035 UJ	< 0.084 UJ	< 0.47 U	< 0.050 U	< 0.36 U	< 0.23 U	< 0.48 U
MWA-63	9/4/2025	N	Shallow	MWA-63-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	< 0.22 U	< 0.28 U	< 0.29 U	< 0.43 U	< 0.41 U	< 0.33 U	< 0.61 U	< 0.57 U
MWA-82	9/2/2025	N	Shallow	MWA-82-090225	< 0.11 U	< 0.025	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035	< 0.084	< 0.47 U	< 0.050 U	< 0.36 U	< 0.23 U	< 0.48 U
PA-03	9/2/2025	N	Shallow	PA-03-090225	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	0.18 J+	< 0.035 U	< 0.084 U	< 0.47 U	< 0.050 U	< 0.36 U	< 0.23 U	< 0.48 U
PA-04	9/4/2025	N	Shallow	PA-04-090425	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	0.36	0.33	< 0.084 U	< 0.47 U	< 0.050 U	< 0.36 U	< 0.23 U	< 0.48 U
PA-08	9/2/2025	N	Shallow	PA-08-090225	< 0.11 U	< 0.025	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035	< 0.084	< 0.47 U	< 0.050 U	< 0.36 U	< 0.23 U	< 0.48 U
PA-09	9/2/2025	N	Shallow	PA-09-090225	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035 U	< 0.084 U	< 0.47 U	< 0.050 U	< 0.36 U	< 0.23 U	< 0.48 U
PA-31	9/4/2025	N	Shallow	PA-31-090425	< 0.11 U	0.20	< 0.056 U	< 0.070 U	0.11 j	0.47	< 0.084 U	< 0.47 U	< 0.050 U	< 0.36 U	< 0.23 U	< 0.48 U
MWA-81i	9/3/2025	N	Intermediate	MWA-81I-090325	< 0.11 U	< 0.025 UJ	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035 UJ	< 0.084 UJ	< 0.47 U	< 0.050 U	< 0.36 U	< 0.23 U	< 0.48 U
PA-10i	9/4/2025	N	Intermediate	PA-10I-090425	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	< 0.064 U	0.18 j	< 0.084 U	< 0.47 U	< 0.050 U	< 0.36 U	< 0.23 U	< 0.48 U
PA-15i	9/3/2025	N	Intermediate	PA-15I-090325	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	0.25	< 0.035 U	< 0.084 U	< 0.47 U	< 0.050 U	< 0.36 U	0.23 j	< 0.48 U
PA-17iR	9/2/2025	N	Intermediate	PA-17IR-090225	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	< 0.064 U	0.12 J+	< 0.084 U	< 0.47 U	< 0.050 U	< 0.36 U	< 0.23 U	< 0.48 U
PA-32i	9/4/2025	N	Intermediate	PA-32I-090425	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	0.18 j	0.044 j	< 0.084 U	< 0.47 U	< 0.050 U	< 0.36 U	< 0.23 U	< 0.48 U
PA-44i	9/3/2025	N	Intermediate	PA-44I-090325	< 0.11 U	< 0.025 UJ	< 0.056 U	< 0.070 U	0.34	< 0.035 UJ	< 0.084 UJ	< 0.47 U	< 0.050 U	< 0.36 U	< 0.23 U	< 0.48 U
MWA-31i(d)	9/4/2025	N	Deep	MWA-31I(D)-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	0.57 J+	< 0.28 U	< 0.29 U	< 0.43 U	< 0.41 U	< 0.33 U	< 0.61 U	< 0.57 U
MWA-56d	9/4/2025	N	Deep	MWA-56D-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 2.4 U	< 0.22 U	< 0.28 U	< 2.9 U	< 0.43 U	< 0.41 U	< 0.33 U	< 0.61 U	< 0.57 U
MWA-58d	9/4/2025	N	Deep	MWA-58D-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	0.31 J+	< 0.28 U	< 0.29 U	< 0.43 U	< 0.41 U	< 0.33 U	< 0.61 U	< 0.57 U
MWA-58d	9/4/2025	FD	Deep	DUP-02-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	0.31 J+	< 0.28 U	< 0.29 U	< 0.43 U	< 0.41 U	< 0.33 U	< 0.61 U	< 0.57 U
PA-18d	9/4/2025	N	Deep	PA-18D-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	< 0.22 U	< 0.28 U	< 0.29 U	< 0.43 U	< 0.41 U	< 0.33 U	< 0.61 U	< 0.57 U
PA-22d	9/4/2025	N	Deep	PA-22D-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	< 0.22 U	< 0.28 U	< 0.29 U	< 0.43 U	< 0.41 U	< 0.33 U	< 0.61 U	< 0.57 U
PA-23d	9/3/2025	N	Deep	PA-23D-090325	< 0.18 U	< 0.39 UJ	< 0.52 U	< 0.24 U	< 0.22 U	< 0.28 UJ	< 0.29 UJ	< 0.43 U	< 0.41 U	< 0.33 U	< 0.61 U	< 0.57 U
PA-24d	9/4/2025	N	Deep	PA-24D-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	< 0.22 U	< 0.28 U	< 0.29 U	< 0.43 U	< 0.41 U	< 0.33 U	< 0.61 U	< 0.57 U
PA-25d	9/3/2025	N	Deep	PA-25D-090325	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035 U	< 0.084 U	< 0.47 U	< 0.050 U	< 0.36 U	0.29 j	< 0.48 U
PA-26d	9/3/2025	N	Deep	PA-26D-090325	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035 U	< 0.084 U	< 0.47 U	< 0.050 U	< 0.36 U	0.25 j	< 0.48 U
PA-27d	9/2/2025	N	Deep	PA-27D-090225	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	0.43 J+	< 0.28 U	< 0.29 U	< 0.43 U	< 0.41 U	< 0.33 U	< 0.61 U	< 0.57 U

Notes:
 Bolded values indicate concentrations above the Method Detection Limit.
 Shaded values indicate concentrations above the FSWP SHSC.
 < = Compound not detected. Method Detection Limit shown.
 µg/L = micrograms per liter
 FD = Field Duplicate Sample
 FSWP SHSC = Feasibility Study Work Plan Indirect Exposure Pathway Selected Hot Spot Criteria
 N = Normal Environmental Sample
 NE = Not Established
 SW8260C analyses performed by TestAmerica - Seattle, WA of Seattle.

Qualifiers - Organic:
 j = The analyte was positively identified below the RDL; associated numerical value is the approximate concentration of the analyte in the sample.
 J- = The concentration of the sample is considered to be biased low, as the associated QC results are outside the lower control limits.
 J+ = The concentration of the sample is considered to be biased high, as the associated QC results exceed the upper control limits.
 U = Analyte was analyzed for, but not detected above, the limit displayed.
 UJ = Analyte was analyzed for, but not detected. The detection limit is a quantitative estimate.

**Attachment 2-1
Volatile Organic Compounds Results
Arkema Quarter 3, 2025, Groundwater Monitoring Report
Arkema Inc. Facility
Portland, Oregon**

Analyte					1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,3,5-Trimethylbenzene	1,3-Dichlorobenzene	1,3-Dichloropropane
Unit					µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
FSWP SHSC (shaded values indicate results above the value shown)					NE	11	0.4	1.6	47	710	14	3.7	1.5	NE	10	NE
Location ID	Sample Date	Sample Type	Aquifer Classification	Sample ID												
MWA-41	9/3/2025	N	Shallow	MWA-41-090325	< 0.11 U	< 0.025 UJ	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035 UJ	< 0.038 U	< 0.12 U	< 0.060 U	< 0.19 U	< 0.050 U	< 0.056 U
MWA-41	9/3/2025	FD	Shallow	DUP-01-090325	< 0.11 U	< 0.025 UJ	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035 UJ	< 0.038 U	< 0.12 U	< 0.060 U	< 0.19 U	< 0.050 U	< 0.056 U
MWA-63	9/4/2025	N	Shallow	MWA-63-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	< 0.22 U	< 0.28 U	< 0.46 U	< 0.42 U	< 0.18 U	< 0.55 U	< 0.48 U	< 0.35 U
MWA-82	9/2/2025	N	Shallow	MWA-82-090225	< 0.11 U	< 0.025	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035	0.053 j	< 0.12 U	< 0.060 U	< 0.19 U	< 0.050 U	< 0.056 U
PA-03	9/2/2025	N	Shallow	PA-03-090225	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	0.18 J+	< 0.035 U	< 0.038 U	< 0.12 U	< 0.060 U	< 0.19 U	< 0.050 U	< 0.056 U
PA-04	9/4/2025	N	Shallow	PA-04-090425	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	0.36	0.33	< 0.038 U	< 0.12 U	< 0.060 U	< 0.19 U	< 0.050 U	< 0.056 U
PA-08	9/2/2025	N	Shallow	PA-08-090225	< 0.11 U	< 0.025	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035	< 0.038 U	< 0.12 U	< 0.060 U	< 0.19 U	< 0.050 U	< 0.056 U
PA-09	9/2/2025	N	Shallow	PA-09-090225	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035 U	< 0.038 U	< 0.12 U	< 0.060 U	< 0.19 U	< 0.050 U	< 0.056 U
PA-31	9/4/2025	N	Shallow	PA-31-090425	< 0.11 U	0.20	< 0.056 U	< 0.070 U	0.11 j	0.47	< 0.038 U	< 0.12 U	< 0.060 U	< 0.19 U	< 0.050 U	< 0.056 U
MWA-81i	9/3/2025	N	Intermediate	MWA-81I-090325	< 0.11 U	< 0.025 UJ	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035 UJ	< 0.038 U	< 0.12 U	< 0.060 U	< 0.19 U	< 0.050 U	< 0.056 U
PA-10i	9/4/2025	N	Intermediate	PA-10I-090425	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	< 0.064 U	0.18 j	0.15 j	< 0.12 U	< 0.060 U	< 0.19 U	< 0.050 U	< 0.056 U
PA-15i	9/3/2025	N	Intermediate	PA-15I-090325	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	0.25	< 0.035 U	< 0.038 U	< 0.12 U	< 0.060 U	< 0.19 U	< 0.050 U	< 0.056 U
PA-17iR	9/2/2025	N	Intermediate	PA-17IR-090225	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	< 0.064 U	0.12 J+	< 0.038 U	< 0.12 U	< 0.060 U	< 0.19 U	< 0.050 U	< 0.056 U
PA-32i	9/4/2025	N	Intermediate	PA-32I-090425	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	0.18 j	0.044 j	0.25 j	< 0.12 U	< 0.060 U	< 0.19 U	< 0.050 U	< 0.056 U
PA-44i	9/3/2025	N	Intermediate	PA-44I-090325	< 0.11 U	< 0.025 UJ	< 0.056 U	< 0.070 U	0.34	< 0.035 UJ	< 0.038 U	< 0.12 U	< 0.060 U	< 0.19 U	< 0.050 U	< 0.056 U
MWA-31i(d)	9/4/2025	N	Deep	MWA-31I(D)-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	0.57 J+	< 0.28 U	< 0.46 U	< 0.42 U	< 0.18 U	< 0.55 U	< 0.48 U	< 0.35 U
MWA-56d	9/4/2025	N	Deep	MWA-56D-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 2.4 U	< 0.22 U	< 0.28 U	< 0.46 U	< 4.2 U	< 1.8 U	< 0.55 U	< 0.48 U	< 0.35 U
MWA-58d	9/4/2025	N	Deep	MWA-58D-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	0.31 J+	< 0.28 U	< 0.46 U	< 0.42 U	< 0.18 U	< 0.55 U	< 0.48 U	< 0.35 U
MWA-58d	9/4/2025	FD	Deep	DUP-02-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	0.31 J+	< 0.28 U	< 0.46 U	< 0.42 U	< 0.18 U	< 0.55 U	< 0.48 U	< 0.35 U
PA-18d	9/4/2025	N	Deep	PA-18D-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	< 0.22 U	< 0.28 U	< 0.46 U	< 0.42 U	< 0.18 U	< 0.55 U	< 0.48 U	< 0.35 U
PA-22d	9/4/2025	N	Deep	PA-22D-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	< 0.22 U	< 0.28 U	< 0.46 U	< 0.42 U	< 0.18 U	< 0.55 U	< 0.48 U	< 0.35 U
PA-23d	9/3/2025	N	Deep	PA-23D-090325	< 0.18 U	< 0.39 UJ	< 0.52 U	< 0.24 U	< 0.22 U	< 0.28 UJ	< 0.46 U	< 0.42 U	< 0.18 U	< 0.55 U	< 0.48 U	< 0.35 U
PA-24d	9/4/2025	N	Deep	PA-24D-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	< 0.22 U	< 0.28 U	< 0.46 U	0.75 J+	< 0.18 U	< 0.55 U	< 0.48 U	< 0.35 U
PA-25d	9/3/2025	N	Deep	PA-25D-090325	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035 U	< 0.038 U	< 0.12 U	< 0.060 U	0.19 j	< 0.050 U	< 0.056 U
PA-26d	9/3/2025	N	Deep	PA-26D-090325	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035 U	< 0.038 U	0.63	< 0.060 U	< 0.19 U	< 0.050 U	< 0.056 U
PA-27d	9/2/2025	N	Deep	PA-27D-090225	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	0.43 J+	< 0.28 U	< 0.46 U	< 0.42 U	< 0.18 U	< 0.55 U	< 0.48 U	< 0.35 U

Notes:
 Bolded values indicate concentrations above the Method Detection Limit.
 Shaded values indicate concentrations above the FSWP SHSC.
 < = Compound not detected. Method Detection Limit shown.
 µg/L = micrograms per liter
 FD = Field Duplicate Sample
 FSWP SHSC = Feasibility Study Work Plan Indirect Exposure Pathway Selected Hot Spot Criteria
 N = Normal Environmental Sample
 NE = Not Established
 SW8260C analyses performed by TestAmerica - Seattle, WA of Seattle.

Qualifiers - Organic:
 j = The analyte was positively identified below the RDL; associated numerical value is the approximate concentration of the analyte in the sample.
 J- = The concentration of the sample is considered to be biased low, as the associated QC results are outside the lower control limits.
 J+ = The concentration of the sample is considered to be biased high, as the associated QC results exceed the upper control limits.
 U = Analyte was analyzed for, but not detected above, the limit displayed.
 UJ = Analyte was analyzed for, but not detected. The detection limit is a quantitative estimate.

**Attachment 2-1
Volatile Organic Compounds Results
Arkema Quarter 3, 2025, Groundwater Monitoring Report
Arkema Inc. Facility
Portland, Oregon**

Analyte					1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,4-Dichlorobenzene	2,2-Dichloropropane	2-Butanone (Methyl ethyl ketone)	4-Chlorotoluene	4-Isopropyltoluene	4-Methyl-2-pentanone
Unit					µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
FSWP SHSC (shaded values indicate results above the value shown)					NE	11	0.4	1.6	47	710	15	NE	14000	NE	NE	NE
Location ID	Sample Date	Sample Type	Aquifer Classification	Sample ID												
MWA-41	9/3/2025	N	Shallow	MWA-41-090325	< 0.11 U	< 0.025 UJ	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035 UJ	< 0.050 U	< 0.060 U	< 2.5 U	< 0.12 U	< 0.25 U	< 2.7 U
MWA-41	9/3/2025	FD	Shallow	DUP-01-090325	< 0.11 U	< 0.025 UJ	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035 UJ	< 0.050 U	< 0.060 U	< 2.5 U	< 0.12 U	< 0.25 U	< 2.7 U
MWA-63	9/4/2025	N	Shallow	MWA-63-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	< 0.22 U	< 0.28 U	< 0.46 U	< 0.32 U	< 4.7 U	< 0.38 U	< 0.28 U	< 2.5 U
MWA-82	9/2/2025	N	Shallow	MWA-82-090225	< 0.11 U	< 0.025	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035	< 0.050 U	< 0.060 U	< 2.5 U	< 0.12 U	< 0.25 U	< 2.7 U
PA-03	9/2/2025	N	Shallow	PA-03-090225	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	0.18 J+	< 0.035 U	< 0.050 U	< 0.060 U	< 2.5 U	< 0.12 U	< 0.25 U	< 2.7 U
PA-04	9/4/2025	N	Shallow	PA-04-090425	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	0.36	0.33	< 0.050 U	< 0.060 U	< 2.5 U	< 0.12 U	< 0.25 U	< 2.7 U
PA-08	9/2/2025	N	Shallow	PA-08-090225	< 0.11 U	< 0.025	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035	< 0.050 U	< 0.060 U	< 2.5 U	< 0.12 U	< 0.25 U	< 2.7 U
PA-09	9/2/2025	N	Shallow	PA-09-090225	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035 U	< 0.050 U	< 0.060 U	< 2.5 U	< 0.12 U	< 0.25 U	< 2.7 U
PA-31	9/4/2025	N	Shallow	PA-31-090425	< 0.11 U	0.20	< 0.056 U	< 0.070 U	0.11 j	0.47	< 0.050 U	< 0.060 U	< 2.5 U	< 0.12 U	< 0.25 U	< 2.7 U
MWA-81i	9/3/2025	N	Intermediate	MWA-81I-090325	< 0.11 U	< 0.025 UJ	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035 UJ	< 0.050 U	< 0.060 U	< 2.5 U	< 0.12 U	< 0.25 U	< 2.7 U
PA-10i	9/4/2025	N	Intermediate	PA-10I-090425	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	< 0.064 U	0.18 j	< 0.050 U	< 0.060 U	< 2.5 U	< 0.12 U	< 0.25 U	< 2.7 U
PA-15i	9/3/2025	N	Intermediate	PA-15I-090325	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	0.25	< 0.035 U	< 0.050 U	< 0.060 U	< 2.5 U	< 0.12 U	< 0.25 U	< 2.7 U
PA-17iR	9/2/2025	N	Intermediate	PA-17IR-090225	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	< 0.064 U	0.12 J+	< 0.050 U	< 0.060 U	< 2.5 U	< 0.12 U	< 0.25 U	< 2.7 U
PA-32i	9/4/2025	N	Intermediate	PA-32I-090425	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	0.18 j	0.044 j	< 0.050 U	< 0.060 U	< 2.5 U	< 0.12 U	< 0.25 U	< 2.7 U
PA-44i	9/3/2025	N	Intermediate	PA-44I-090325	< 0.11 U	< 0.025 UJ	< 0.056 U	< 0.070 U	0.34	< 0.035 UJ	< 0.050 U	< 0.060 U	< 2.5 U	< 0.12 U	< 0.25 U	< 2.7 U
MWA-31i(d)	9/4/2025	N	Deep	MWA-31I(D)-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	0.57 J+	< 0.28 U	< 0.46 U	< 0.32 U	< 4.7 U	< 0.38 U	< 0.28 U	< 2.5 U
MWA-56d	9/4/2025	N	Deep	MWA-56D-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 2.4 U	< 0.22 U	< 0.28 U	< 0.46 U	< 0.32 U	< 4.7 U	< 0.38 U	< 0.28 U	< 2.5 U
MWA-58d	9/4/2025	N	Deep	MWA-58D-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	0.31 J+	< 0.28 U	< 0.46 U	< 0.32 U	< 4.7 U	< 0.38 U	< 0.28 U	< 2.5 U
MWA-58d	9/4/2025	FD	Deep	DUP-02-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	0.31 J+	< 0.28 U	< 0.46 U	< 0.32 U	< 4.7 U	< 0.38 U	< 0.28 U	< 2.5 U
PA-18d	9/4/2025	N	Deep	PA-18D-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	< 0.22 U	< 0.28 U	< 0.46 U	< 0.32 U	< 4.7 U	< 0.38 U	< 0.28 U	< 2.5 U
PA-22d	9/4/2025	N	Deep	PA-22D-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	< 0.22 U	< 0.28 U	< 0.46 U	< 0.32 U	< 4.7 U	< 0.38 U	< 0.28 U	< 2.5 U
PA-23d	9/3/2025	N	Deep	PA-23D-090325	< 0.18 U	< 0.39 UJ	< 0.52 U	< 0.24 U	< 0.22 U	< 0.28 UJ	< 0.46 U	< 0.32 U	< 4.7 U	< 0.38 U	< 0.28 U	< 2.5 U
PA-24d	9/4/2025	N	Deep	PA-24D-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	< 0.22 U	< 0.28 U	< 0.46 U	< 0.32 U	< 4.7 U	< 0.38 U	< 0.28 U	< 2.5 U
PA-25d	9/3/2025	N	Deep	PA-25D-090325	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035 U	< 0.050 U	< 0.060 U	< 2.5 U	< 0.12 U	< 0.25 U	< 2.7 U
PA-26d	9/3/2025	N	Deep	PA-26D-090325	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035 U	< 0.050 U	< 0.060 U	< 2.5 U	< 0.12 U	< 0.25 U	< 2.7 U
PA-27d	9/2/2025	N	Deep	PA-27D-090225	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	0.43 J+	< 0.28 U	< 0.46 U	< 0.32 U	< 4.7 U	< 0.38 U	< 0.28 U	< 2.5 U

Notes:
 Bolded values indicate concentrations above the Method Detection Limit.
 Shaded values indicate concentrations above the FSWP SHSC.
 < = Compound not detected. Method Detection Limit shown.
 µg/L = micrograms per liter
 FD = Field Duplicate Sample
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 SW8260C analyses performed by TestAmerica - Seattle, WA of Seattle.

Qualifiers - Organic:
 j = The analyte was positively identified below the RDL; associated numerical value is the approximate concentration of the analyte in the sample.
 J- = The concentration of the sample is considered to be biased low, as the associated QC results are outside the lower control limits.
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 U = Analyte was analyzed for, but not detected above, the limit displayed.
 UJ = Analyte was analyzed for, but not detected. The detection limit is a quantitative estimate.

**Attachment 2-1
Volatile Organic Compounds Results
Arkema Quarter 3, 2025, Groundwater Monitoring Report
Arkema Inc. Facility
Portland, Oregon**

Analyte					1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	Acetone	Benzene	Bromobenzene	Bromodichloromethane	Bromoform	Bromomethane
Unit					µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
FSWP SHSC (shaded values indicate results above the value shown)					NE	11	0.4	1.6	47	710	1500	1.4	NE	1.7	14	150
Location ID	Sample Date	Sample Type	Aquifer Classification	Sample ID												
MWA-41	9/3/2025	N	Shallow	MWA-41-090325	< 0.11 U	< 0.025 UJ	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035 UJ	< 3.1 U	< 0.030 U	< 0.038 U	< 0.060 U	< 0.16 U	< 0.13 U
MWA-41	9/3/2025	FD	Shallow	DUP-01-090325	< 0.11 U	< 0.025 UJ	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035 UJ	< 3.1 U	< 0.030 U	< 0.038 U	< 0.060 U	< 0.16 U	< 0.13 U
MWA-63	9/4/2025	N	Shallow	MWA-63-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	< 0.22 U	< 0.28 U	< 15 U	< 0.24 U	< 0.43 U	< 0.29 U	< 0.51 U	< 0.21 U
MWA-82	9/2/2025	N	Shallow	MWA-82-090225	< 0.11 U	< 0.025	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035	< 3.1 U	< 0.030 U	< 0.038 U	< 0.060 U	< 0.16 U	< 0.13 U
PA-03	9/2/2025	N	Shallow	PA-03-090225	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	0.18 J+	< 0.035 U	< 3.1 U	0.061 J+	< 0.038 U	< 0.060 U	< 0.16 U	< 0.13 U
PA-04	9/4/2025	N	Shallow	PA-04-090425	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	0.36	0.33	< 3.1 U	< 0.030 U	< 0.038 U	< 0.060 U	< 0.16 U	< 0.13 U
PA-08	9/2/2025	N	Shallow	PA-08-090225	< 0.11 U	< 0.025	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035	< 3.1 U	< 0.030 U	< 0.038 U	< 0.060 U	< 0.16 U	< 0.13 U
PA-09	9/2/2025	N	Shallow	PA-09-090225	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035 U	< 3.1 U	< 0.030 U	< 0.038 U	< 0.060 U	< 0.16 U	< 0.13 U
PA-31	9/4/2025	N	Shallow	PA-31-090425	< 0.11 U	0.20	< 0.056 U	< 0.070 U	0.11 j	0.47	< 3.1 U	< 0.030 U	< 0.038 U	< 0.060 U	< 0.16 U	< 0.13 U
MWA-81i	9/3/2025	N	Intermediate	MWA-81I-090325	< 0.11 U	< 0.025 UJ	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035 UJ	< 3.1 U	< 0.030 U	< 0.038 U	< 0.060 U	< 0.16 U	< 0.13 U
PA-10i	9/4/2025	N	Intermediate	PA-10I-090425	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	< 0.064 U	0.18 j	< 3.1 U	< 0.030 U	< 0.038 U	< 0.060 U	< 0.16 U	< 0.13 U
PA-15i	9/3/2025	N	Intermediate	PA-15I-090325	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	0.25	< 0.035 U	< 3.1 U	< 0.030 U	< 0.038 U	< 0.060 U	< 0.16 U	< 0.13 U
PA-17iR	9/2/2025	N	Intermediate	PA-17IR-090225	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	< 0.064 U	0.12 J+	< 3.1 U	0.097 J+	< 0.038 U	< 0.060 U	< 0.16 U	< 0.13 U
PA-32i	9/4/2025	N	Intermediate	PA-32I-090425	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	0.18 j	0.044 j	< 10 U	0.077 j	< 0.038 U	< 0.060 U	< 0.16 U	< 0.13 U
PA-44i	9/3/2025	N	Intermediate	PA-44I-090325	< 0.11 U	< 0.025 UJ	< 0.056 U	< 0.070 U	0.34	< 0.035 UJ	< 3.1 U	< 0.030 U	< 0.038 U	< 0.060 U	< 0.16 U	< 0.13 U
MWA-31i(d)	9/4/2025	N	Deep	MWA-31I(D)-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	0.57 J+	< 0.28 U	< 15 U	< 0.24 U	< 0.43 U	< 0.29 U	< 0.51 U	< 0.21 U
MWA-56d	9/4/2025	N	Deep	MWA-56D-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 2.4 U	< 0.22 U	< 0.28 U	< 15 U	< 2.4 U	< 0.43 U	< 2.9 U	< 0.51 U	< 0.21 U
MWA-58d	9/4/2025	N	Deep	MWA-58D-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	0.31 J+	< 0.28 U	< 3.2 U	< 0.24 U	< 0.43 U	0.86 J+	< 0.51 U	< 0.21 U
MWA-58d	9/4/2025	FD	Deep	DUP-02-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	0.31 J+	< 0.28 U	< 3.2 U	< 0.24 U	< 0.43 U	0.88 j	< 0.51 U	< 0.21 U
PA-18d	9/4/2025	N	Deep	PA-18D-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	< 0.22 U	< 0.28 U	< 3.2 U	< 0.24 U	< 0.43 U	< 0.29 U	< 0.51 U	< 0.21 U
PA-22d	9/4/2025	N	Deep	PA-22D-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	< 0.22 U	< 0.28 U	< 3.2 U	< 0.24 U	< 0.43 U	< 0.29 U	< 0.51 U	< 0.21 U
PA-23d	9/3/2025	N	Deep	PA-23D-090325	< 0.18 U	< 0.39 UJ	< 0.52 U	< 0.24 U	< 0.22 U	< 0.28 UJ	< 3.2 U	< 0.24 U	< 0.43 U	< 0.29 U	< 0.51 U	< 0.21 U
PA-24d	9/4/2025	N	Deep	PA-24D-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	< 0.22 U	< 0.28 U	< 15 U	< 0.24 U	< 0.43 U	< 0.29 U	< 0.51 U	< 0.21 U
PA-25d	9/3/2025	N	Deep	PA-25D-090325	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035 U	< 3.1 U	< 0.030 U	< 0.038 U	< 0.060 U	< 0.16 U	< 0.13 U
PA-26d	9/3/2025	N	Deep	PA-26D-090325	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035 U	< 3.1 U	< 0.030 U	< 0.038 U	< 0.060 U	< 0.16 U	< 0.13 U
PA-27d	9/2/2025	N	Deep	PA-27D-090225	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	0.43 J+	< 0.28 U	< 3.2 U	< 0.24 U	< 0.43 U	< 0.29 U	< 0.51 U	< 0.21 U

Notes:
 Bolded values indicate concentrations above the Method Detection Limit.
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Portland, Oregon**

Analyte					1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chlorobromomethane	Chloroethane	Chloroform
Unit					µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
FSWP SHSC (shaded values indicate results above the value shown)					NE	11	0.4	1.6	47	710	0.92	0.16	64	NE	NE	28
Location ID	Sample Date	Sample Type	Aquifer Classification	Sample ID												
MWA-41	9/3/2025	N	Shallow	MWA-41-090325	< 0.11 U	< 0.025 UJ	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035 UJ	< 0.20 UJ	< 0.025 UJ	< 0.060 U	< 0.050 U	< 0.24 U	< 0.030 U
MWA-41	9/3/2025	FD	Shallow	DUP-01-090325	< 0.11 U	< 0.025 UJ	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035 UJ	< 0.20 UJ	< 0.025 UJ	< 0.060 U	< 0.050 U	< 0.24 U	< 0.030 U
MWA-63	9/4/2025	N	Shallow	MWA-63-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	< 0.22 U	< 0.28 U	< 0.53 U	< 0.30 U	< 0.44 U	< 0.29 U	< 0.35 U	110
MWA-82	9/2/2025	N	Shallow	MWA-82-090225	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035 U	< 0.20 U	< 0.025 U	< 0.060 U	< 0.050 U	< 0.24 U	1.3
PA-03	9/2/2025	N	Shallow	PA-03-090225	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	0.18 J+	< 0.035 U	< 0.20 U	< 0.025 U	< 0.060 U	< 0.050 U	< 0.24 U	< 0.030 U
PA-04	9/4/2025	N	Shallow	PA-04-090425	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	0.36	0.33	< 0.20 U	< 0.025 U	< 0.060 U	< 0.050 U	< 0.24 U	0.13 j
PA-08	9/2/2025	N	Shallow	PA-08-090225	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035 U	< 0.20 U	< 0.025 U	< 0.060 U	< 0.050 U	< 0.24 U	0.24
PA-09	9/2/2025	N	Shallow	PA-09-090225	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035 U	< 0.20 U	< 0.025 U	< 0.060 U	< 0.050 U	< 0.24 U	0.10 J+
PA-31	9/4/2025	N	Shallow	PA-31-090425	< 0.11 U	0.20	< 0.056 U	< 0.070 U	0.11 j	0.47	< 0.20 U	< 0.025 U	< 0.060 U	< 0.050 U	< 0.24 U	0.047 j
MWA-81i	9/3/2025	N	Intermediate	MWA-81I-090325	< 0.11 U	< 0.025 UJ	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035 UJ	< 0.20 UJ	< 0.025 UJ	< 0.060 U	< 0.050 U	< 0.24 U	< 0.030 U
PA-10i	9/4/2025	N	Intermediate	PA-10I-090425	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	< 0.064 U	0.18 j	< 0.20 U	< 0.025 U	< 0.060 U	< 0.050 U	< 0.24 U	< 0.030 U
PA-15i	9/3/2025	N	Intermediate	PA-15I-090325	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	0.25	< 0.035 U	< 0.20 U	< 0.025 U	< 0.060 U	< 0.050 U	< 0.24 U	< 0.030 U
PA-17iR	9/2/2025	N	Intermediate	PA-17IR-090225	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	< 0.064 U	0.12 J+	0.21 J+	< 0.025 U	< 0.060 U	< 0.050 U	< 0.24 U	< 0.030 U
PA-32i	9/4/2025	N	Intermediate	PA-32I-090425	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	0.18 j	0.044 j	< 0.20 U	< 0.025 U	0.19 j	< 0.050 U	0.30 j	< 0.030 U
PA-44i	9/3/2025	N	Intermediate	PA-44I-090325	< 0.11 U	< 0.025 UJ	< 0.056 U	< 0.070 U	0.34	< 0.035 UJ	< 0.20 UJ	< 0.025 UJ	< 0.060 U	< 0.050 U	< 0.24 U	< 0.030 U
MWA-31i(d)	9/4/2025	N	Deep	MWA-31I(D)-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	0.57 J+	< 0.28 U	< 0.53 U	< 0.30 U	< 0.44 U	< 0.29 U	< 0.35 U	89 J+
MWA-56d	9/4/2025	N	Deep	MWA-56D-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 2.4 U	< 0.22 U	< 0.28 U	< 0.53 U	< 3.0 U	< 0.44 U	< 0.29 U	< 0.35 U	150
MWA-58d	9/4/2025	N	Deep	MWA-58D-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	0.31 J+	< 0.28 U	< 0.53 U	< 0.30 U	< 0.44 U	< 0.29 U	< 0.35 U	180
MWA-58d	9/4/2025	FD	Deep	DUP-02-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	0.31 J+	< 0.28 U	< 0.53 U	< 0.30 U	< 0.44 U	< 0.29 U	< 0.35 U	180
PA-18d	9/4/2025	N	Deep	PA-18D-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	< 0.22 U	< 0.28 U	< 0.53 U	< 0.30 U	< 0.44 U	< 0.29 U	< 0.35 U	< 0.26 U
PA-22d	9/4/2025	N	Deep	PA-22D-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	< 0.22 U	< 0.28 U	< 0.53 U	< 0.30 U	< 0.44 U	< 0.29 U	< 0.35 U	21
PA-23d	9/3/2025	N	Deep	PA-23D-090325	< 0.18 U	< 0.39 UJ	< 0.52 U	< 0.24 U	< 0.22 U	< 0.28 UJ	< 0.53 UJ	< 0.30 UJ	< 0.44 U	< 0.29 U	< 0.35 U	0.37 J+
PA-24d	9/4/2025	N	Deep	PA-24D-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	< 0.22 U	< 0.28 U	< 0.53 U	< 0.30 U	< 0.44 U	< 0.29 U	< 0.35 U	< 0.26 U
PA-25d	9/3/2025	N	Deep	PA-25D-090325	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035 U	< 0.20 U	< 0.025 U	< 0.060 U	< 0.050 U	< 0.24 U	< 0.030 U
PA-26d	9/3/2025	N	Deep	PA-26D-090325	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035 U	< 0.20 U	< 0.025 U	< 0.060 U	< 0.050 U	< 0.24 U	< 0.030 U
PA-27d	9/2/2025	N	Deep	PA-27D-090225	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	0.43 J+	< 0.28 U	< 0.53 U	< 0.30 U	< 0.44 U	< 0.29 U	< 0.35 U	< 0.26 U

Notes:
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Analyte					1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	Chloromethane	cis-1,2-Dichloroethene	cis-1,3-Dichloropropene	Dibromochloromethane	Dibromomethane	Dichlorodifluoromethane (Freon 12)
Unit					µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
FSWP SHSC (shaded values indicate results above the value shown)					NE	11	0.4	1.6	47	710	NE	590	NE	1.3	NE	NE
Location ID	Sample Date	Sample Type	Aquifer Classification	Sample ID												
MWA-41	9/3/2025	N	Shallow	MWA-41-090325	< 0.11 U	< 0.025 UJ	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035 UJ	< 0.14 U	< 0.055 U	< 0.090 U	< 0.055 U	< 0.062 U	< 0.13 U
MWA-41	9/3/2025	FD	Shallow	DUP-01-090325	< 0.11 U	< 0.025 UJ	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035 UJ	< 0.14 U	< 0.055 U	< 0.090 U	< 0.055 U	< 0.062 U	< 0.13 U
MWA-63	9/4/2025	N	Shallow	MWA-63-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	< 0.22 U	< 0.28 U	< 0.28 U	4.2	< 0.42 U	< 0.43 U	< 0.34 U	< 0.53 U
MWA-82	9/2/2025	N	Shallow	MWA-82-090225	< 0.11 U	< 0.025	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035	< 0.14 U	< 0.055 U	< 0.090 U	< 0.055 U	< 0.062 U	< 0.13 U
PA-03	9/2/2025	N	Shallow	PA-03-090225	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	0.18 J+	< 0.035 U	< 0.14 U	< 0.055 U	< 0.090 U	< 0.055 U	< 0.062 U	< 0.13 U
PA-04	9/4/2025	N	Shallow	PA-04-090425	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	0.36	0.33	< 0.14 U	< 0.055 U	< 0.090 U	< 0.055 U	< 0.062 U	< 0.13 U
PA-08	9/2/2025	N	Shallow	PA-08-090225	< 0.11 U	< 0.025	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035	< 0.14 U	< 0.055 U	< 0.090 U	< 0.055 U	< 0.062 U	< 0.13 U
PA-09	9/2/2025	N	Shallow	PA-09-090225	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035 U	< 0.14 U	< 0.055 U	< 0.090 U	< 0.055 U	< 0.062 U	< 0.13 U
PA-31	9/4/2025	N	Shallow	PA-31-090425	< 0.11 U	0.20	< 0.056 U	< 0.070 U	0.11 j	0.47	< 0.14 U	< 0.055 U	< 0.090 U	< 0.055 U	< 0.062 U	< 0.13 U
MWA-81i	9/3/2025	N	Intermediate	MWA-81I-090325	< 0.11 U	< 0.025 UJ	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035 UJ	< 0.14 U	< 0.055 U	< 0.090 U	< 0.055 U	< 0.062 U	< 0.13 U
PA-10i	9/4/2025	N	Intermediate	PA-10I-090425	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	< 0.064 U	0.18 j	< 0.14 U	< 0.055 U	< 0.090 U	< 0.055 U	< 0.062 U	< 0.13 U
PA-15i	9/3/2025	N	Intermediate	PA-15I-090325	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	0.25	< 0.035 U	< 0.14 U	0.068 j	< 0.090 U	< 0.055 U	< 0.062 U	< 0.13 U
PA-17iR	9/2/2025	N	Intermediate	PA-17IR-090225	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	< 0.064 U	0.12 J+	< 0.14 U	0.078 J+	< 0.090 U	< 0.055 U	< 0.062 U	< 0.13 U
PA-32i	9/4/2025	N	Intermediate	PA-32I-090425	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	0.18 j	0.044 j	< 0.14 U	< 0.055 U	< 0.090 U	< 0.055 U	< 0.062 U	< 0.13 U
PA-44i	9/3/2025	N	Intermediate	PA-44I-090325	< 0.11 U	< 0.025 UJ	< 0.056 U	< 0.070 U	0.34	< 0.035 UJ	< 0.14 U	< 0.055 U	< 0.090 U	< 0.055 U	< 0.062 U	< 0.13 U
MWA-31i(d)	9/4/2025	N	Deep	MWA-31I(D)-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	0.57 J+	< 0.28 U	< 0.28 U	< 0.35 U	< 0.42 U	< 0.43 U	< 0.34 U	< 0.53 U
MWA-56d	9/4/2025	N	Deep	MWA-56D-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 2.4 U	< 0.22 U	< 0.28 U	< 0.28 U	< 0.35 U	< 4.2 U	< 0.43 U	< 3.4 U	< 0.53 U
MWA-58d	9/4/2025	N	Deep	MWA-58D-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	0.31 J+	< 0.28 U	< 0.28 U	< 0.35 U	< 0.42 U	< 0.43 U	< 0.34 U	< 0.53 U
MWA-58d	9/4/2025	FD	Deep	DUP-02-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	0.31 J+	< 0.28 U	< 0.28 U	< 0.35 U	< 0.42 U	< 0.43 U	< 0.34 U	< 0.53 U
PA-18d	9/4/2025	N	Deep	PA-18D-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	< 0.22 U	< 0.28 U	< 0.28 U	< 0.35 U	< 0.42 U	< 0.43 U	< 0.34 U	< 0.53 U
PA-22d	9/4/2025	N	Deep	PA-22D-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	< 0.22 U	< 0.28 U	< 0.28 U	< 0.35 U	< 0.42 U	< 0.43 U	< 0.34 U	< 0.53 U
PA-23d	9/3/2025	N	Deep	PA-23D-090325	< 0.18 U	< 0.39 UJ	< 0.52 U	< 0.24 U	< 0.22 U	< 0.28 UJ	< 0.28 U	< 0.35 U	< 0.42 U	< 0.43 U	< 0.34 U	< 0.53 U
PA-24d	9/4/2025	N	Deep	PA-24D-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	< 0.22 U	< 0.28 U	< 0.28 U	< 0.35 U	< 0.42 U	< 0.43 U	< 0.34 U	< 0.53 U
PA-25d	9/3/2025	N	Deep	PA-25D-090325	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035 U	< 0.14 U	< 0.055 U	< 0.090 U	< 0.055 U	< 0.062 U	< 0.13 U
PA-26d	9/3/2025	N	Deep	PA-26D-090325	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035 U	0.20 j	< 0.055 U	< 0.090 U	< 0.055 U	< 0.062 U	< 0.13 U
PA-27d	9/2/2025	N	Deep	PA-27D-090225	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	0.43 J+	< 0.28 U	< 0.28 U	0.86 J+	< 0.42 U	< 0.43 U	< 0.34 U	< 0.53 U

Notes:
 Bolded values indicate concentrations above the Method Detection Limit.
 Shaded values indicate concentrations above the FSWP SHSC.
 < = Compound not detected. Method Detection Limit shown.
 µg/L = micrograms per liter
 FD = Field Duplicate Sample
 FSWP SHSC = Feasibility Study Work Plan Indirect Exposure Pathway Selected Hot Spot Criteria
 N = Normal Environmental Sample
 NE = Not Established
 SW8260C analyses performed by TestAmerica - Seattle, WA of Seattle.

Qualifiers - Organic:
 j = The analyte was positively identified below the RDL; associated numerical value is the approximate concentration of the analyte in the sample.
 J- = The concentration of the sample is considered to be biased low, as the associated QC results are outside the lower control limits.
 J+ = The concentration of the sample is considered to be biased high, as the associated QC results exceed the upper control limits.
 U = Analyte was analyzed for, but not detected above, the limit displayed.
 UJ = Analyte was analyzed for, but not detected. The detection limit is a quantitative estimate.

**Attachment 2-1
Volatile Organic Compounds Results
Arkema Quarter 3, 2025, Groundwater Monitoring Report
Arkema Inc. Facility
Portland, Oregon**

Analyte					1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	Ethylbenzene	Ethylene dibromide	Hexachlorobutadiene	Isopropylbenzene (Cumene)	m,p-Xylenes	Methyl tert-butyl ether
Unit					µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
FSWP SHSC (shaded values indicate results above the value shown)					NE	11	0.4	1.6	47	710	7.3	NE	0.01	NE	1.8	NE
Location ID	Sample Date	Sample Type	Aquifer Classification	Sample ID												
MWA-41	9/3/2025	N	Shallow	MWA-41-090325	< 0.11 U	< 0.025 UJ	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035 UJ	< 0.082 U	< 0.067 U	< 0.16 UJ	< 0.27 UJ	< 0.12 U	< 0.070 U
MWA-41	9/3/2025	FD	Shallow	DUP-01-090325	< 0.11 U	< 0.025 UJ	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035 UJ	< 0.082 U	< 0.067 U	< 0.16 UJ	< 0.27 UJ	< 0.12 U	< 0.070 U
MWA-63	9/4/2025	N	Shallow	MWA-63-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	< 0.22 U	< 0.28 U	< 0.50 U	< 0.40 U	< 0.79 U	< 0.44 U	< 0.53 U	< 0.44 U
MWA-82	9/2/2025	N	Shallow	MWA-82-090225	< 0.11 U	< 0.025	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035	< 0.082 U	< 0.067 U	< 0.16	< 0.27	< 0.12 U	< 0.070 U
PA-03	9/2/2025	N	Shallow	PA-03-090225	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	0.18 J+	< 0.035 U	< 0.082 U	< 0.067 U	< 0.16 U	< 0.27 U	< 0.12 U	< 0.070 U
PA-04	9/4/2025	N	Shallow	PA-04-090425	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	0.36	0.33	< 0.082 U	< 0.067 U	< 0.16 U	< 0.27 U	< 0.12 U	< 0.070 U
PA-08	9/2/2025	N	Shallow	PA-08-090225	< 0.11 U	< 0.025	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035	< 0.082 U	< 0.067 U	< 0.16	< 0.27	< 0.12 U	< 0.070 U
PA-09	9/2/2025	N	Shallow	PA-09-090225	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035 U	< 0.082 U	< 0.067 U	< 0.16 U	< 0.27 U	< 0.12 U	< 0.070 U
PA-31	9/4/2025	N	Shallow	PA-31-090425	< 0.11 U	0.20	< 0.056 U	< 0.070 U	0.11 j	0.47	< 0.082 U	< 0.067 U	< 0.16 U	< 0.27 U	< 0.12 U	< 0.070 U
MWA-81i	9/3/2025	N	Intermediate	MWA-81I-090325	< 0.11 U	< 0.025 UJ	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035 UJ	< 0.082 U	< 0.067 U	< 0.16 UJ	< 0.27 UJ	< 0.12 U	< 0.070 U
PA-10i	9/4/2025	N	Intermediate	PA-10I-090425	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	< 0.064 U	0.18 j	< 0.082 U	< 0.067 U	< 0.16 U	< 0.27 U	< 0.12 U	< 0.070 U
PA-15i	9/3/2025	N	Intermediate	PA-15I-090325	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	0.25	< 0.035 U	< 0.082 U	< 0.067 U	< 0.16 U	< 0.27 U	< 0.12 U	< 0.070 U
PA-17iR	9/2/2025	N	Intermediate	PA-17IR-090225	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	< 0.064 U	0.12 J+	< 0.082 U	< 0.067 U	< 0.16 U	< 0.27 U	< 0.12 U	< 0.070 U
PA-32i	9/4/2025	N	Intermediate	PA-32I-090425	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	0.18 j	0.044 j	< 0.082 U	< 0.067 U	< 0.16 U	< 0.27 U	< 0.12 U	< 0.070 U
PA-44i	9/3/2025	N	Intermediate	PA-44I-090325	< 0.11 U	< 0.025 UJ	< 0.056 U	< 0.070 U	0.34	< 0.035 UJ	< 0.082 U	< 0.067 U	< 0.16 UJ	< 0.27 UJ	< 0.12 U	< 0.070 U
MWA-31i(d)	9/4/2025	N	Deep	MWA-31I(D)-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	0.57 J+	< 0.28 U	< 0.50 U	< 0.40 U	< 0.79 U	< 0.44 U	< 0.53 U	< 0.44 U
MWA-56d	9/4/2025	N	Deep	MWA-56D-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 2.4 U	< 0.22 U	< 0.28 U	< 0.50 U	< 0.40 U	< 0.79 U	< 0.44 U	< 0.53 U	< 0.44 U
MWA-58d	9/4/2025	N	Deep	MWA-58D-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	0.31 J+	< 0.28 U	< 0.50 U	< 0.40 U	< 0.79 U	< 0.44 U	< 0.53 U	< 0.44 U
MWA-58d	9/4/2025	FD	Deep	DUP-02-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	0.31 J+	< 0.28 U	< 0.50 U	< 0.40 U	< 0.79 U	< 0.44 U	< 0.53 U	< 0.44 U
PA-18d	9/4/2025	N	Deep	PA-18D-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	< 0.22 U	< 0.28 U	< 0.50 U	< 0.40 U	< 0.79 U	< 0.44 U	< 0.53 U	< 0.44 U
PA-22d	9/4/2025	N	Deep	PA-22D-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	< 0.22 U	< 0.28 U	< 0.50 U	< 0.40 U	< 0.79 U	< 0.44 U	< 0.53 U	< 0.44 U
PA-23d	9/3/2025	N	Deep	PA-23D-090325	< 0.18 U	< 0.39 UJ	< 0.52 U	< 0.24 U	< 0.22 U	< 0.28 UJ	< 0.50 U	< 0.40 U	< 0.79 UJ	< 0.44 UJ	< 0.53 U	< 0.44 U
PA-24d	9/4/2025	N	Deep	PA-24D-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	< 0.22 U	< 0.28 U	< 0.50 U	< 0.40 U	< 0.79 U	< 0.44 U	< 0.53 U	< 0.44 U
PA-25d	9/3/2025	N	Deep	PA-25D-090325	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035 U	< 0.082 U	< 0.067 U	< 0.16 U	< 0.27 U	< 0.12 U	< 0.070 U
PA-26d	9/3/2025	N	Deep	PA-26D-090325	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035 U	< 0.082 U	< 0.067 U	< 0.16 U	< 0.27 U	< 0.12 U	0.18 J+
PA-27d	9/2/2025	N	Deep	PA-27D-090225	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	0.43 J+	< 0.28 U	< 0.50 U	< 0.40 U	< 0.79 U	< 0.44 U	< 0.53 U	< 0.44 U

Notes:
 Bolded values indicate concentrations above the Method Detection Limit.
 Shaded values indicate concentrations above the FSWP SHSC.
 < = Compound not detected. Method Detection Limit shown.
 µg/L = micrograms per liter
 FD = Field Duplicate Sample
 FSWP SHSC = Feasibility Study Work Plan Indirect Exposure Pathway Selected Hot Spot Criteria
 N = Normal Environmental Sample
 NE = Not Established
 SW8260C analyses performed by TestAmerica - Seattle, WA of Seattle.

Qualifiers - Organic:
 j = The analyte was positively identified below the RDL; associated numerical value is the approximate concentration of the analyte in the sample.
 J- = The concentration of the sample is considered to be biased low, as the associated QC results are outside the lower control limits.
 J+ = The concentration of the sample is considered to be biased high, as the associated QC results exceed the upper control limits.
 U = Analyte was analyzed for, but not detected above, the limit displayed.
 UJ = Analyte was analyzed for, but not detected. The detection limit is a quantitative estimate.

**Attachment 2-1
Volatile Organic Compounds Results
Arkema Quarter 3, 2025, Groundwater Monitoring Report
Arkema Inc. Facility
Portland, Oregon**

Analyte					1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	Methylene chloride	Naphthalene	n-Butylbenzene	n-Propylbenzene	o-Chlorotoluene (2-chlorotoluene)	o-Xylene
Unit					µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
FSWP SHSC (shaded values indicate results above the value shown)					NE	11	0.4	1.6	47	710	59	12	NE	NE	NE	13
Location ID	Sample Date	Sample Type	Aquifer Classification	Sample ID												
MWA-41	9/3/2025	N	Shallow	MWA-41-090325	< 0.11 U	< 0.025 UJ	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035 UJ	< 1.2 U	< 0.52 U	< 0.35 U	< 0.091 U	< 0.12 U	< 0.23 U
MWA-41	9/3/2025	FD	Shallow	DUP-01-090325	< 0.11 U	< 0.025 UJ	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035 UJ	< 1.2 U	< 0.52 U	< 0.35 U	< 0.091 U	< 0.12 U	< 0.23 U
MWA-63	9/4/2025	N	Shallow	MWA-63-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	< 0.22 U	< 0.28 U	< 1.4 U	< 0.93 U	< 0.44 U	< 0.50 U	< 0.51 U	< 0.39 U
MWA-82	9/2/2025	N	Shallow	MWA-82-090225	< 0.11 U	< 0.025	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035	< 1.2 U	< 0.52 U	< 0.35 U	< 0.091 U	< 0.12 U	< 0.23 U
PA-03	9/2/2025	N	Shallow	PA-03-090225	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	0.18 J+	< 0.035 U	< 1.2 U	< 0.52 U	< 0.35 U	< 0.091 U	< 0.12 U	< 0.23 U
PA-04	9/4/2025	N	Shallow	PA-04-090425	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	0.36	0.33	< 1.2 U	< 0.52 U	< 0.35 U	< 0.091 U	< 0.12 U	< 0.23 U
PA-08	9/2/2025	N	Shallow	PA-08-090225	< 0.11 U	< 0.025	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035	< 1.2 U	< 0.52 U	< 0.35 U	< 0.091 U	< 0.12 U	< 0.23 U
PA-09	9/2/2025	N	Shallow	PA-09-090225	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035 U	< 1.2 U	< 0.52 U	< 0.35 U	< 0.091 U	< 0.12 U	< 0.23 U
PA-31	9/4/2025	N	Shallow	PA-31-090425	< 0.11 U	0.20	< 0.056 U	< 0.070 U	0.11 j	0.47	< 1.2 U	< 0.52 U	< 0.35 U	< 0.091 U	< 0.12 U	< 0.23 U
MWA-81i	9/3/2025	N	Intermediate	MWA-81I-090325	< 0.11 U	< 0.025 UJ	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035 UJ	< 1.2 U	< 0.52 U	< 0.35 U	< 0.091 U	< 0.12 U	< 0.23 U
PA-10i	9/4/2025	N	Intermediate	PA-10I-090425	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	< 0.064 U	0.18 j	< 1.2 U	< 0.52 U	< 0.35 U	< 0.091 U	< 0.12 U	< 0.23 U
PA-15i	9/3/2025	N	Intermediate	PA-15I-090325	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	0.25	< 0.035 U	< 1.2 U	< 0.52 U	< 0.35 U	< 0.091 U	< 0.12 U	< 0.23 U
PA-17iR	9/2/2025	N	Intermediate	PA-17IR-090225	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	< 0.064 U	0.12 J+	< 1.2 U	< 0.52 U	< 0.35 U	< 0.091 U	< 0.12 U	< 0.23 U
PA-32i	9/4/2025	N	Intermediate	PA-32I-090425	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	0.18 j	0.044 j	< 1.2 U	< 0.52 U	< 0.35 U	< 0.091 U	< 0.12 U	< 0.23 U
PA-44i	9/3/2025	N	Intermediate	PA-44I-090325	< 0.11 U	< 0.025 UJ	< 0.056 U	< 0.070 U	0.34	< 0.035 UJ	< 1.2 U	< 0.52 U	< 0.35 U	< 0.091 U	< 0.12 U	< 0.23 U
MWA-31i(d)	9/4/2025	N	Deep	MWA-31I(D)-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	0.57 J+	< 0.28 U	< 1.4 U	< 0.93 U	< 0.44 U	< 0.50 U	< 0.51 U	< 0.39 U
MWA-56d	9/4/2025	N	Deep	MWA-56D-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 2.4 U	< 0.22 U	< 0.28 U	< 1.4 U	< 0.93 U	< 0.44 U	< 0.50 U	< 0.51 U	< 0.39 U
MWA-58d	9/4/2025	N	Deep	MWA-58D-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	0.31 J+	< 0.28 U	< 1.4 U	< 0.93 U	< 0.44 U	< 0.50 U	< 0.51 U	< 0.39 U
MWA-58d	9/4/2025	FD	Deep	DUP-02-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	0.31 J+	< 0.28 U	< 1.4 U	< 0.93 U	< 0.44 U	< 0.50 U	< 0.51 U	< 0.39 U
PA-18d	9/4/2025	N	Deep	PA-18D-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	< 0.22 U	< 0.28 U	< 1.4 U	< 0.93 U	< 0.44 U	< 0.50 U	< 0.51 U	< 0.39 U
PA-22d	9/4/2025	N	Deep	PA-22D-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	< 0.22 U	< 0.28 U	< 1.4 U	< 0.93 U	< 0.44 U	< 0.50 U	< 0.51 U	< 0.39 U
PA-23d	9/3/2025	N	Deep	PA-23D-090325	< 0.18 U	< 0.39 UJ	< 0.52 U	< 0.24 U	< 0.22 U	< 0.28 UJ	< 1.4 U	< 0.93 U	< 0.44 U	< 0.50 U	< 0.51 U	< 0.39 U
PA-24d	9/4/2025	N	Deep	PA-24D-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	< 0.22 U	< 0.28 U	< 1.4 U	< 0.93 U	< 0.44 U	< 0.50 U	< 0.51 U	< 0.39 U
PA-25d	9/3/2025	N	Deep	PA-25D-090325	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035 U	< 1.2 U	< 0.52 U	< 0.35 U	< 0.091 U	< 0.12 U	< 0.23 U
PA-26d	9/3/2025	N	Deep	PA-26D-090325	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035 U	< 1.2 U	< 0.52 U	< 0.35 U	< 0.091 U	< 0.12 U	< 0.23 U
PA-27d	9/2/2025	N	Deep	PA-27D-090225	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	0.43 J+	< 0.28 U	< 1.4 U	< 0.93 U	< 0.44 U	< 0.50 U	< 0.51 U	< 0.39 U

Notes:
 Bolded values indicate concentrations above the Method Detection Limit.
 Shaded values indicate concentrations above the FSWP SHSC.
 < = Compound not detected. Method Detection Limit shown.
 µg/L = micrograms per liter
 FD = Field Duplicate Sample
 FSWP SHSC = Feasibility Study Work Plan Indirect Exposure Pathway Selected Hot Spot Criteria
 N = Normal Environmental Sample
 NE = Not Established
 SW8260C analyses performed by TestAmerica - Seattle, WA of Seattle.

Qualifiers - Organic:
 j = The analyte was positively identified below the RDL; associated numerical value is the approximate concentration of the analyte in the sample.
 J- = The concentration of the sample is considered to be biased low, as the associated QC results are outside the lower control limits.
 J+ = The concentration of the sample is considered to be biased high, as the associated QC results exceed the upper control limits.
 U = Analyte was analyzed for, but not detected above, the limit displayed.
 UJ = Analyte was analyzed for, but not detected. The detection limit is a quantitative estimate.

**Attachment 2-1
Volatile Organic Compounds Results
Arkema Quarter 3, 2025, Groundwater Monitoring Report
Arkema Inc. Facility
Portland, Oregon**

Analyte					1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	sec-Butylbenzene	Styrene	tert-Butylbenzene	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene
Unit					µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
FSWP SHSC (shaded values indicate results above the value shown)					NE	11	0.4	1.6	47	710	NE	NE	NE	0.33	9.8	1000
Location ID	Sample Date	Sample Type	Aquifer Classification	Sample ID												
MWA-41	9/3/2025	N	Shallow	MWA-41-090325	< 0.11 U	< 0.025 UJ	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035 UJ	< 0.17 U	< 0.33 U	< 0.26 U	< 0.084 UJ	< 0.050 U	< 0.033 U
MWA-41	9/3/2025	FD	Shallow	DUP-01-090325	< 0.11 U	< 0.025 UJ	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035 UJ	< 0.17 U	< 0.33 U	< 0.26 U	< 0.084 UJ	< 0.050 U	< 0.033 U
MWA-63	9/4/2025	N	Shallow	MWA-63-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	< 0.22 U	< 0.28 U	< 0.49 U	< 0.53 U	< 0.58 U	13	< 0.39 U	< 0.39 U
MWA-82	9/2/2025	N	Shallow	MWA-82-090225	< 0.11 U	< 0.025	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035	< 0.17 U	< 0.33 U	< 0.26 U	0.31 j	< 0.050 U	< 0.033 U
PA-03	9/2/2025	N	Shallow	PA-03-090225	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	0.18 J+	< 0.035 U	< 0.17 U	< 0.33 U	< 0.26 U	< 0.084 U	0.15 j	< 0.033 U
PA-04	9/4/2025	N	Shallow	PA-04-090425	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	0.36	0.33	< 0.17 U	< 0.33 U	< 0.26 U	0.14 j	< 0.050 U	< 0.033 U
PA-08	9/2/2025	N	Shallow	PA-08-090225	< 0.11 U	< 0.025	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035	< 0.17 U	< 0.33 U	< 0.26 U	0.13 j	< 0.050 U	< 0.033 U
PA-09	9/2/2025	N	Shallow	PA-09-090225	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035 U	< 0.17 U	< 0.33 U	< 0.26 U	0.19 j	< 0.050 U	< 0.033 U
PA-31	9/4/2025	N	Shallow	PA-31-090425	< 0.11 U	0.20	< 0.056 U	< 0.070 U	0.11 j	0.47	< 0.17 U	< 0.33 U	< 0.26 U	0.18 j	< 0.050 U	< 0.033 U
MWA-81i	9/3/2025	N	Intermediate	MWA-81I-090325	< 0.11 U	< 0.025 UJ	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035 UJ	< 0.17 U	< 0.33 U	< 0.26 U	< 0.084 UJ	< 0.050 U	< 0.033 U
PA-10i	9/4/2025	N	Intermediate	PA-10I-090425	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	< 0.064 U	0.18 j	< 0.17 U	< 0.33 U	< 0.26 U	< 0.084 U	< 0.050 U	< 0.033 U
PA-15i	9/3/2025	N	Intermediate	PA-15I-090325	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	0.25	< 0.035 U	< 0.17 U	< 0.33 U	< 0.26 U	< 0.084 U	< 0.050 U	< 0.033 U
PA-17iR	9/2/2025	N	Intermediate	PA-17IR-090225	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	< 0.064 U	0.12 J+	< 0.17 U	< 0.33 U	< 0.26 U	< 0.084 U	< 0.050 U	< 0.033 U
PA-32i	9/4/2025	N	Intermediate	PA-32I-090425	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	0.18 j	0.044 j	< 0.17 U	< 0.33 U	< 0.26 U	< 0.084 U	0.074 j	< 0.033 U
PA-44i	9/3/2025	N	Intermediate	PA-44I-090325	< 0.11 U	< 0.025 UJ	< 0.056 U	< 0.070 U	0.34	< 0.035 UJ	< 0.17 U	< 0.33 U	< 0.26 U	< 0.084 UJ	< 0.050 U	< 0.033 U
MWA-31i(d)	9/4/2025	N	Deep	MWA-31I(D)-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	0.57 J+	< 0.28 U	< 0.49 U	< 0.53 U	< 0.58 U	0.47 j	< 0.39 U	< 0.39 U
MWA-56d	9/4/2025	N	Deep	MWA-56D-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 2.4 U	< 0.22 U	< 0.28 U	< 0.49 U	< 0.53 UJ	< 0.58 U	< 0.41 U	< 3.9 U	< 0.39 U
MWA-58d	9/4/2025	N	Deep	MWA-58D-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	0.31 J+	< 0.28 U	< 0.49 U	< 0.53 U	< 0.58 U	< 0.41 U	< 0.39 U	< 0.39 U
MWA-58d	9/4/2025	FD	Deep	DUP-02-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	0.31 J+	< 0.28 U	< 0.49 U	< 0.53 U	< 0.58 U	< 0.41 U	< 0.39 U	< 0.39 U
PA-18d	9/4/2025	N	Deep	PA-18D-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	< 0.22 U	< 0.28 U	< 0.49 U	< 0.53 U	< 0.58 U	< 0.41 U	< 0.39 U	< 0.39 U
PA-22d	9/4/2025	N	Deep	PA-22D-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	< 0.22 U	< 0.28 U	< 0.49 U	< 0.53 U	< 0.58 U	< 0.41 U	< 0.39 U	< 0.39 U
PA-23d	9/3/2025	N	Deep	PA-23D-090325	< 0.18 U	< 0.39 UJ	< 0.52 U	< 0.24 U	< 0.22 U	< 0.28 UJ	< 0.49 U	< 0.53 U	< 0.58 U	< 0.41 UJ	< 0.39 U	< 0.39 U
PA-24d	9/4/2025	N	Deep	PA-24D-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	< 0.22 U	< 0.28 U	< 0.49 U	< 0.53 U	< 0.58 U	< 0.41 U	< 0.39 U	< 0.39 U
PA-25d	9/3/2025	N	Deep	PA-25D-090325	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035 U	< 0.17 U	< 0.33 U	< 0.26 U	< 0.084 U	< 0.050 U	< 0.033 U
PA-26d	9/3/2025	N	Deep	PA-26D-090325	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035 U	< 0.17 U	< 0.33 U	< 0.26 U	< 0.084 U	< 0.050 U	< 0.033 U
PA-27d	9/2/2025	N	Deep	PA-27D-090225	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	0.43 J+	< 0.28 U	< 0.49 U	< 0.53 U	< 0.58 U	< 0.41 U	< 0.39 U	< 0.39 U

Notes:
 Bolded values indicate concentrations above the Method Detection Limit.
 Shaded values indicate concentrations above the FSWP SHSC.
 < = Compound not detected. Method Detection Limit shown.
 µg/L = micrograms per liter
 FD = Field Duplicate Sample
 FSWP SHSC = Feasibility Study Work Plan Indirect Exposure Pathway Selected Hot Spot Criteria
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 SW8260C analyses performed by TestAmerica - Seattle, WA of Seattle.

Qualifiers - Organic:
 j = The analyte was positively identified below the RDL; associated numerical value is the approximate concentration of the analyte in the sample.
 J- = The concentration of the sample is considered to be biased low, as the associated QC results are outside the lower control limits.
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 U = Analyte was analyzed for, but not detected above, the limit displayed.
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**Attachment 2-1
Volatile Organic Compounds Results
Arkema Quarter 3, 2025, Groundwater Monitoring Report
Arkema Inc. Facility
Portland, Oregon**

Analyte					1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	trans-1,3-Dichloropropene	Trichloroethene	Trichlorofluoromethane (Freon 11)	Vinyl chloride
Unit					µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
FSWP SHSC (shaded values indicate results above the value shown)					NE	11	0.4	1.6	47	710	NE	3	NE	0.24
Location ID	Sample Date	Sample Type	Aquifer Classification	Sample ID										
MWA-41	9/3/2025	N	Shallow	MWA-41-090325	< 0.11 U	< 0.025 UJ	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035 UJ	< 0.092 U	< 0.066 U	< 0.12 U	< 0.040 U
MWA-41	9/3/2025	FD	Shallow	DUP-01-090325	< 0.11 U	< 0.025 UJ	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035 UJ	< 0.092 U	< 0.066 U	< 0.12 U	< 0.040 U
MWA-63	9/4/2025	N	Shallow	MWA-63-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	< 0.22 U	< 0.28 U	< 0.41 U	2.8	< 0.36 U	< 0.22 U
MWA-82	9/2/2025	N	Shallow	MWA-82-090225	< 0.11 U	< 0.025	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035	< 0.092 U	< 0.066 U	< 0.12 U	< 0.040 U
PA-03	9/2/2025	N	Shallow	PA-03-090225	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	0.18 J+	< 0.035 U	< 0.092 U	< 0.066 U	< 0.12 U	< 0.040 U
PA-04	9/4/2025	N	Shallow	PA-04-090425	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	0.36	0.33	< 0.092 U	< 0.066 U	< 0.12 U	< 0.040 U
PA-08	9/2/2025	N	Shallow	PA-08-090225	< 0.11 U	< 0.025	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035	< 0.092 U	< 0.066 U	< 0.12 U	< 0.040 U
PA-09	9/2/2025	N	Shallow	PA-09-090225	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035 U	< 0.092 U	< 0.066 U	< 0.12 U	< 0.040 U
PA-31	9/4/2025	N	Shallow	PA-31-090425	< 0.11 U	0.20	< 0.056 U	< 0.070 U	0.11 j	0.47	< 0.092 U	< 0.066 U	< 0.12 U	< 0.040 U
MWA-81i	9/3/2025	N	Intermediate	MWA-81I-090325	< 0.11 U	< 0.025 UJ	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035 UJ	< 0.092 U	< 0.066 U	< 0.12 U	< 0.040 U
PA-10i	9/4/2025	N	Intermediate	PA-10I-090425	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	< 0.064 U	0.18 j	< 0.092 U	< 0.066 U	< 0.12 U	0.66
PA-15i	9/3/2025	N	Intermediate	PA-15I-090325	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	0.25	< 0.035 U	< 0.092 U	< 0.066 U	< 0.12 U	< 0.040 U
PA-17iR	9/2/2025	N	Intermediate	PA-17IR-090225	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	< 0.064 U	0.12 J+	< 0.092 U	< 0.066 U	< 0.12 U	< 0.040 U
PA-32i	9/4/2025	N	Intermediate	PA-32I-090425	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	0.18 j	0.044 j	< 0.092 U	< 0.066 U	< 0.12 U	0.15
PA-44i	9/3/2025	N	Intermediate	PA-44I-090325	< 0.11 U	< 0.025 UJ	< 0.056 U	< 0.070 U	0.34	< 0.035 UJ	< 0.092 U	< 0.066 U	< 0.12 U	< 0.040 U
MWA-31i(d)	9/4/2025	N	Deep	MWA-31I(D)-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	0.57 J+	< 0.28 U	< 0.41 U	< 0.26 U	< 0.36 U	< 0.22 U
MWA-56d	9/4/2025	N	Deep	MWA-56D-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 2.4 U	< 0.22 U	< 0.28 U	< 4.1 U	< 2.6 U	< 0.36 U	< 0.22 U
MWA-58d	9/4/2025	N	Deep	MWA-58D-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	0.31 J+	< 0.28 U	< 0.41 U	< 0.26 U	< 0.36 U	< 0.22 U
MWA-58d	9/4/2025	FD	Deep	DUP-02-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	0.31 J+	< 0.28 U	< 0.41 U	< 0.26 U	< 0.36 U	< 0.22 U
PA-18d	9/4/2025	N	Deep	PA-18D-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	< 0.22 U	< 0.28 U	< 0.41 U	< 0.26 U	< 0.36 U	0.23 j
PA-22d	9/4/2025	N	Deep	PA-22D-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	< 0.22 U	< 0.28 U	< 0.41 U	< 0.26 U	< 0.36 U	< 0.22 U
PA-23d	9/3/2025	N	Deep	PA-23D-090325	< 0.18 U	< 0.39 UJ	< 0.52 U	< 0.24 U	< 0.22 U	< 0.28 UJ	< 0.41 U	< 0.26 U	< 0.36 U	< 0.22 U
PA-24d	9/4/2025	N	Deep	PA-24D-090425	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	< 0.22 U	< 0.28 U	< 0.41 U	< 0.26 U	< 0.36 U	< 0.22 U
PA-25d	9/3/2025	N	Deep	PA-25D-090325	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035 U	< 0.092 U	< 0.066 U	< 0.12 U	< 0.040 U
PA-26d	9/3/2025	N	Deep	PA-26D-090325	< 0.11 U	< 0.025 U	< 0.056 U	< 0.070 U	< 0.064 U	< 0.035 U	< 0.092 U	< 0.066 U	< 0.12 U	< 0.040 U
PA-27d	9/2/2025	N	Deep	PA-27D-090225	< 0.18 U	< 0.39 U	< 0.52 U	< 0.24 U	0.43 J+	< 0.28 U	< 0.41 U	< 0.26 U	< 0.36 U	< 0.22 U

Notes:
 Bolded values indicate concentrations above the Method Detection Limit.
 Shaded values indicate concentrations above the FSWP SHSC.
 < = Compound not detected. Method Detection Limit shown.
 µg/L = micrograms per liter
 FD = Field Duplicate Sample
 FSWP SHSC = Feasibility Study Work Plan Indirect Exposure Pathway Selected Hot Spot Criteria
 N = Normal Environmental Sample
 NE = Not Established
 SW8260C analyses performed by TestAmerica - Seattle, WA of Seattle.

Qualifiers - Organic:
 j = The analyte was positively identified below the RDL; associated numerical value is the approximate concentration of the analyte in the sample.
 J- = The concentration of the sample is considered to be biased low, as the associated QC results are outside the lower control limits.
 J+ = The concentration of the sample is considered to be biased high, as the associated QC results exceed the upper control limits.
 U = Analyte was analyzed for, but not detected above, the limit displayed.
 UJ = Analyte was analyzed for, but not detected. The detection limit is a quantitative estimate.

**Attachment 2-2
Additional Compounds Results
Arkema Quarter 3, 2025, Groundwater Monitoring Report
Arkema Inc. Facility
Portland, Oregon**

					Analyte Unit	Chloride mg/L	Perchlorate µg/L
FSWP SHSC (shaded values indicate results above the value shown)						230	1800
Location ID	Sample Date	Sample Type	Aquifer Classification	Sample ID			
MWA-41	9/3/2025	N	Shallow	MWA-41-090325	4.2 J+		< 0.91 U
MWA-41	9/3/2025	FD	Shallow	DUP-01-090325	4.3 J+		< 0.91 U
MWA-63	9/4/2025	N	Shallow	MWA-63-090425	20		< 0.91 U
MWA-82	9/2/2025	N	Shallow	MWA-82-090225	8.8		150
PA-03	9/2/2025	N	Shallow	PA-03-090225	3.6 J+		< 4.5 U
PA-04	9/4/2025	N	Shallow	PA-04-090425	5.0		< 4.5 U
PA-08	9/2/2025	N	Shallow	PA-08-090225	430		< 4.5 U
PA-09	9/2/2025	N	Shallow	PA-09-090225	32		4.8 j
PA-31	9/4/2025	N	Shallow	PA-31-090425	7.6		< 4.5 U
MWA-81i	9/3/2025	N	Intermediate	MWA-81i-090325	38		< 0.91 U
PA-10i	9/4/2025	N	Intermediate	PA-10i-090425	5.0		< 4.5 U
PA-15i	9/3/2025	N	Intermediate	PA-15i-090325	42		< 4.5 U
PA-17iR	9/2/2025	N	Intermediate	PA-17iR-090225	41		< 4.5 U
PA-32i	9/4/2025	N	Intermediate	PA-32i-090425	67		< 4.5 U
PA-44i	9/3/2025	N	Intermediate	PA-44i-090325	190		< 4.5 U
MWA-31i(d)	9/4/2025	N	Deep	MWA-31i(d)-090425	22,000		110,000
MWA-56d	9/4/2025	N	Deep	MWA-56d-090425	12,000 J		14,000 J
MWA-58d	9/4/2025	N	Deep	MWA-58d-090425	18,000		53,000
MWA-58d	9/4/2025	FD	Deep	DUP-02-090425	18,000 J		52,000 J
PA-18d	9/4/2025	N	Deep	PA-18d-090425	72		< 4.5 U
PA-22d	9/4/2025	N	Deep	PA-22d-090425	7,700		12,000
PA-23d	9/3/2025	N	Deep	PA-23d-090325	110,000		< 91 U
PA-24d	9/4/2025	N	Deep	PA-24d-090425	29,000		< 36 U
PA-25d	9/3/2025	N	Deep	PA-25d-090325	22		< 0.91 U
PA-26d	9/3/2025	N	Deep	PA-26d-090325	87		< 0.91 U
PA-27d	9/2/2025	N	Deep	PA-27d-090225	860		< 4.5 U

Notes:

Bolded values indicate concentrations above the Method Detection Limit.

Shaded values indicate concentrations above the FSWP SHSC.

< = Compound not detected. Method Detection Limit shown.

µg/L = micrograms per liter

mg/L = milligrams per liter

FD = Field Duplicate Sample

FSWP SHSC = Feasibility Study Work Plan Indirect Exposure Pathway Selected Hot Spot Criteria

N = Normal Environmental Sample

E300 analyses performed by TestAmerica - Seattle, WA of Seattle.

E314.0 analyses performed by TestAmerica - Sacramento, CA of West Sacramento.

J = The concentration of the sample is considered estimated.

J+ = The concentration of the sample is considered to be biased high, as the associated QC results exceed the upper control limits.

U = Analyte was analyzed for, but not detected above, the limit displayed.