Univar Solutions USA Inc.

Periodic Review Report

Univar Solutions USA Inc.
8201 South 212th Street
Kent, Washington

Agreed Order No. DE 5988
Facility Site ID: 13862483
Cleanup Site ID: 969

December 28, 2022

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Acronyms and Abbreviations

µg/L	microgram per liter
AO	Agreed Order No. DE 5988
AOC	area of concern
Arcadis	Arcadis U.S., Inc.
AST	aboveground storage tank
bgs	below ground surface
cis-1,2-DCE	cis-1,2-dichloroethene
CMP	Compliance Monitoring Plan
COC	constituent of concern
Construction Report	Construction Report, Final Cleanup Action
CUL	cleanup level
Draft FFS	Draft Focused Feasibility Study
EC	environmental covenant
Ecology	Washington Department of Ecology
ERD	enhanced reductive dechlorination
EVO	emulsified vegetable oil
FEDR	Final Engineering Design Report, Final Cleanup Action
IHS	indicator hazardous substance
ISB	in-situ biostimulation and bioaugmentation
ISCO	in-situ chemical oxidation
MCL	maximum contaminant level
mg/kg	milligram per kilogram
MNA	monitored natural attenuation
MTCA	Model Toxics Control Act
NAVD 88	North American Vertical Datum of 1988
PES	PES Environmental, Inc.
POC	point of compliance

PQL	practical quantitation limit
Report	Periodic Review Report
RI/FFSA/DCAP	Remedial Investigation, Focused Feasibility Study Addendum, and Draft Cleanup Action Plan
RI Report	Remedial Investigation Report
site	Univar Solutions USA Inc, located at 8201 South 212th Street, in Kent, Washington
Technical Memorandum	Technical Memorandum Evaluation of Enhanced Reductive Dechlorination Remediation Performance
Univar Solutions	Univar Solutions USA Inc.
URS	URS Corporation
UST	underground storage tank
VOC	volatile organic compound
VW&R	Van Waters & Rogers Inc.
WAC	Washington Administrative Code

1 Introduction

On behalf of Univar Solutions USA Inc. (Univar Solutions), Arcadis U.S., Inc. (Arcadis) prepared this Periodic Review Report (Report) for the Univar Solutions Facility located at 8201 South 212th Street, in Kent, Washington (site). A site location map is shown on Figure 1. This Report documents ongoing compliance with Agreed Order No. DE 5988 (AO; Appendix A), between Univar Solutions and the Washington State Department of Ecology (Ecology).

Environmental assessments and remediation have been conducted at the site since 1995. Key documents associated with these activities are presented in Table 1-1, below.

Table 1-1 Key Documents for Cleanup Actions at the Site

Key Cleanup Action Documents	Reference for Periodic Review
Revised Remedial Investigation, Focused Feasibility Study Addendum and Draft Cleanup Action Plan (RI/FFSA/DCAP; PES Environmental, Inc. [PES] 2009)	Established CULs by media
Final Engineering Design Report, Final Cleanup Action (FEDR; PES 2010) including the Compliance Monitoring Plan provided as Appendix D to the Final Engineering Design Report, Final Cleanup Action	Established final cleanup action, goals by media including design basis, work plan for full-scale implementation and compliance monitoring, institutional controls, public participation, and financial assurance.
Construction Report, Final Cleanup Action (Construction Report; PES 2012)	Summarized corrective action implementation and the compliance monitoring schedule presented in the Compliance Monitoring Plan (PES 2010).

The site is formally known as Univar USA Inc Kent in Ecology's database. Site identifiers are

- Facility Site Identification Number 13862483
- Cleanup Site Identification Number 969.

Ecology's website for the site is available at Site Information (wa.gov); documents available electronically can be accessed by clicking View Documents in the sidebar (or clicking the preceding hyperlink). The site is also referred to as the Van Waters & Rogers Inc. (VW&R) site on Ecology's website.

The objectives of this Report are to:

- Describe the site and its historical use

- Summarize regulatory requirements established in the AO (Appendix A)
- Describe the site characterization
- Document compliance with the regulatory requirements.

Per the AO, Section S Periodic Review, parties will meet at least every 5 years after the initiation of cleanup action to discuss the need, if any, for further remediation action at the site. Parties have met numerous times throughout the remedial work to discuss progress. The last Periodic Review Report was completed by URS Corporation (URS) and presented in the Technical Memorandum Evaluation of Enhanced Reductive Dechlorination Remediation Performance (Technical Memorandum; URS 2014). Subsequent independent review was completed by Aspect Consulting in 2015. The results were presented in the Evaluation and Recommendations Report (Aspect Consulting 2015). AECOM (formerly URS), provided a response letter dated September 27, 2016 (AECOM 2016). Since 2016, Univar has continued to provide routine status reports and an annual comprehensive monitoring report documenting the results of semiannual groundwater monitoring.

2 Summary of Site Conditions

This section describes the current and historical site use and environmental activities that have occurred at the site.

2.1 Site Description and Historical Use

The site is an active chemical distribution facility located at 8201 South 212th Street in Kent, Washington. Various chemicals are stored, packaged, and distributed at the site. Univar Solutions has operated at the Kent, Washington location under four corporate names since 1974: VW&R (1974 through 2001), Vopak USA Inc. (2001 through 2022), Univar USA Inc. (2002 through 2019), and Univar Solutions USA Inc. (2019 to present [PES 2009; ERM 2021).

The 11-acre site is bounded to the north by South 212th Street, industrial/commercial properties to the east and south, and an empty lot to the west. A site vicinity map is shown on Figure 2.

A one-story concrete warehouse with an attached office is located in the center of the site. The warehouse is bounded by a covered loading dock on the north side, a rail line on the south side, a large covered storage area on the east side, and a parking lot with attached driveway for truck traffic on the west side. A second loading dock is located on the east side of the covered storage area, with a covered work area and two uncovered aboveground storage tank (AST) areas south of that. Additional ASTs are located south of the rail line. Two additional small one-story buildings are located at the site, one near the south side of the covered storage area and one in the south AST area. Two hazardous waste storage areas are located in the southern portion of the covered storage area. Drums are stored on the eastern part of the site.

VW&R historically operated two ASTs (one 1,500-gallon and one 6,000-gallon) containing dangerous waste, as well as 37 underground storage tanks (USTs) containing raw products on the east side of the warehouse and loading dock. The ASTs were decommissioned and removed from the site in 1982 (1,500-gallon AST) and 1985 (6,000-gallon AST; PES 2009). There were no known releases from the former dangerous waste ASTs during their operating history. The 37 raw product USTs were decommissioned and removed from the site in 1985 and 1986 (PES 2005). The former USTs are suspected to have impacted soil and groundwater at the site. The area

previously containing the ASTs and USTs is currently capped by an asphalt and concrete pad, constructed in approximately 1985. A comprehensive site plan showing current and former features is shown on Figure 3A and a simplified site plan is shown on Figure 3B.

2.2 Environmental History

Environmental assessments and remediation conducted at the site to date are summarized below. Soil analytical results are presented in Table 1. Groundwater gauging and analytical results are presented in Table 2. A site plan with soil sample locations are shown on Figure 4.

In 1995 and 1996, VW&R formally closed the former ASTs containing dangerous waste following the procedures specified in the Ecology-approved Closure Plan (VW&R 1993). Subsurface investigations conducted during closure activities indicated that volatile organic compounds (VOCs) were present in the subsurface at concentrations greater than the applicable Model Toxics Control Act (MTCA) cleanup levels (CULs) at the time. Further investigations were conducted to determine the nature and extent of subsurface VOCs. Results of the additional investigations were ultimately summarized in a Groundwater Investigation Report (EMCON 1998), which identified two source areas at the site.

Several of the VOCs present in soil and groundwater near monitoring wells MW-1 and MW-4 were not managed in the former hazardous waste storage tanks. However, the 37 former USTs that were removed from the site in 1985 and 1986 stored products containing many of the VOCs found in soil and groundwater near MW-1 and MW-4 (PES 2009). Based on a review of historical operations information and the distributions of VOCs, it was determined that the source of the impacted area near MW-1 and MW-4 was likely undocumented releases near the 37 former USTs. The source of VOCs near monitoring well MW-5 (northeast of the UST area) is unknown.

In 2000, IT Corporation prepared a Draft Focused Feasibility Study (Draft FFS; IT Corporation 2000). The Draft FFS evaluated several remedial action alternatives to address the soil and shallow groundwater impacts found in the MW-1, MW-4, and MW-5 areas. In 2001, an in-situ chemical oxidation (ISCO) pilot study was performed in the vicinity of MW-5. Results of the pilot study determined that ISCO was not a feasible remedy. Additionally, during the installation of the injection wells, additional VOC impacts were discovered in groundwater located in the deeper portion of the saturated zone.

In 2002, 2003, and 2004, multiple subsurface investigations were completed to determine the nature and extent of subsurface VOC impacts to the base of the aquifer.

In 2005, PES prepared a Remedial Investigation Report (RI Report; PES 2005). The RI Report described the investigations, analytical results, and nature and extent of impacts. Additionally, the RI Report identified indicator hazardous substances (IHSs) and established CULs for soil and groundwater. Soil analytical results from the 2002, 2003, and 2004 subsurface investigations confirmed impacts in three main areas of the site: near MW-1 and MW-4, MW-5, and SB-10. Groundwater analytical results concluded that groundwater impacts in the shallow aquifer exceeded applicable CULs but were contained within the property boundary, while impacts in the deeper groundwater extended to the northern property boundary (PES 2005).

In 2008, Univar Solutions and Ecology entered negotiations for an Agreed Order that would cover future remedial action at the site. The AO (Appendix A) was finalized and went into effect on November 20, 2008.

Following the finalization of the AO (Appendix A), PES prepared the RI/FFSA/DCAP (PES 2009) to update the Draft FFS (IT Corporation 2000). The RI/FFSA/DCAP updated CULs and points of compliance (POCs),

summarized natural attenuation processes, and proposed a remedial action. Proposed groundwater CULs were based on protection of drinking water and were calculated as the lower end of the Method B CULs and maximum contaminant level (MCL). Proposed soil CULs were based on the more stringent Method C CULs for direct contact and calculated Method B groundwater CULs for the soil leachate exposure pathway. Conditional POCs for groundwater were proposed at the north property boundary at monitoring wells MW-19 and MW-28.

The selected remedy identified in the RI/FFSA/DCAP (PES 2009) included:

- Monitored natural attenuation (MNA) of shallow groundwater (5 to 20 feet below ground surface [bgs]) in area of concern (AOC) 1, located in the general vicinity of MW-1 and MW-4.
- Biostimulate deep groundwater (22 to 42 feet bgs) in AOC-1 using emulsified vegetable oil (EVO) to evaluate for enhanced reductive dechlorination (ERD).
- Biostimulate and bioaugment the shallow groundwater (5 to 20 feet bgs) in AOC-2 (in the vicinity of well MW-5) using EVO and *dehalococcoides* bacteria.
- Anticipated second and final round of biostimulation and bioaugmentation 1.5 years after the initial injection.
- Performance monitoring for 2 years after the second injection event.

A contingency plan was put in place to evaluate additional remedial technologies if ERD and MNA did not reduce contamination to less than the applicable groundwater CULs at the conditional POCs.

In 2012, PES prepared a Construction Report (PES 2012), which described the final cleanup action for soil and groundwater conducted at the site in 2001. In-situ biostimulation and bioaugmentation (ISB) was selected to treat deep groundwater in the AOC-1 source area and shallow groundwater in the AOC-2 source area. Soil cleanup was limited to the treatment of saturated soil concurrent with groundwater remediation.

3 Cleanup Levels and Points of Compliance

In 2008, Univar Solutions entered into an AO (Appendix A) with Ecology that required remediation of shallow soil and of groundwater. All active cleanup work was completed in 2012. This section describes the cleanup requirements established for the site.

The revised RI/FFSA/DCAP (PES 2009) presented soil and groundwater CULs in accordance with MTCA. Soil CULs at that time were calculated to protect to protect facility workers based on direct contact and to protect groundwater, with a soil point of compliance from the ground surface to a depth of 15 feet bgs. Groundwater CULs were calculated to protect groundwater as a drinking water source, with the downgradient wells serving as a conditional point of compliance. Select compounds for CULs were updated based on applicable or relevant and appropriate requirements, per WAC 173-340 (ERM 2021). Soil and groundwater CULs are presented in Table 1 and 2, respectively.

3.1 Cleanup Action Plan Requirements

Cleanup requirements set in the AO (Appendix A) are described in the RI/FFSA/DCAP (PES 2009), including the cleanup actions to be completed by Univar Solutions.:

3.1.1 Soil Actions

Soil actions completed include the following:

- Maintained the existing asphalt and concrete pavement to minimize the potential for IHS to leach into groundwater and cause groundwater exceedances (Appendix B).
- Institutional controls that will protect the remedy and prevent intrusive work occurring without written approval from Ecology (Appendix B).
- Remediation of saturated soils concurrent with cleanup actions performed for groundwater (PES 2009).

3.1.2 Groundwater Actions

Groundwater actions completed included the following:

- Remediation of groundwater near well MW-5 and wells MW-13/MW-21 using ERD to degrade/destroy VOCs (PES 2009.
- Implementation of MNA within source area shallow groundwater wells (MW-1/MW-4 and MW-13/MW-21) to further reduce dissolved-phase concentrations.
- Institutional controls that prohibit groundwater for potable use (Appendix B).
- Conduct performance monitoring to ensure CULs are met at the points of compliance

3.2 Compliance Monitoring

Groundwater performance monitoring was initiated in March 2011 per the Compliance Monitoring Plan (CMP); provided as Appendix D to the FEDR (PES 2010). Performance monitoring was initially conducted to evaluate two aspects of the cleanup action: substrate injection and groundwater quality. Following the ISB injections, 2 years of quarterly performance monitoring events were conducted through September 2014 consistent with the CMP and as discussed in the 2016 Annual Groundwater Monitoring Report (AECOM 2017).

The cleanup action was evaluated in November 2014 and documented in a Technical Memorandum (URS Corporation 2014). The recommendations provided in the Technical Memorandum included the continuation of semiannual groundwater monitoring. From March 2015 to present, the monitoring well network has been sampled semiannually and summarized in an annual groundwater monitoring report to assess how the cleanup action is affecting groundwater quality in and downgradient of the source treatment areas. Compliance monitoring will be conducted until groundwater CULs have been achieved for site IHSs at the POC (downgradient northern property boundary).

3.3 Environmental Covenant

An environmental covenant (EC) was recorded for the site on August 2, 2022 and is provided in Appendix B. The EC names Univar Solutions as the Grantor, and Ecology as the Grantee, and stipulates the following:

- Activity that may impact or interfere with the remedial action or threaten continued protection of human health or the environment is prohibited without written approval from Ecology.

- The property shall be used in perpetuity only for industrial uses.
- The cap must be inspected annually and may not be subject to activities that will compromise the cap without written approval from Ecology.
- No enclosed buildings or structures shall be constructed within the Restricted Area unless approved by Ecology.
- Drinking wells on the site property are strictly prohibited.
- Access must be provided to construct, operate, inspect, monitor, and maintain the remedial action.

4 Periodic Review

This section discusses compliance with the AO (Appendix A) for soil and groundwater.

4.1 Effectiveness of Completed Cleanup Actions

4.1.1 Soil

Soil is adequately delineated and characterized to less than the MTCA CULs at the site. Institutional controls, including a restricted area, that protect current and future receptors are recorded in the EC (Appendix B).

Although soil exceedances have been identified at the site, it should be noted that many of these samples were collected near or within the saturated zone; therefore, future groundwater analytical results will serve as key indicators to determine if soil concentrations are protective of groundwater. Soil analytical results for IHSs are presented in Table 1 and an MTCA boundary map for soil is shown on Figure 9.

4.1.2 Groundwater

Groundwater is adequately delineated to less than MTCA CULs within the deep and shallow wells. Although groundwater exceedances are present in site monitoring wells, groundwater is largely delineated to CULs at the property boundary as demonstrated in the conditional POC monitoring well MW-20.

Additionally, institutional controls that protect future receptors are recorded in the EC (Appendix B).

Following remedy implementation, performance/compliance monitoring has indicated that IHSs in groundwater have shown stable or decreasing concentrations through the years. Although groundwater exceedances are present in site wells, the concentrations have largely shown decreasing and/or stable trends. When decreasing trends have been observed, concentrations are generally reduced by 1 order of magnitude in the majority of site wells, compared to pre-remediation concentrations.

Monitoring well MW-20, located offsite, has contained historical exceedances of benzene with concentrations ranging from 3.1 to 18.2 µg/L. This location has never contained any exceedances for any other VOCs and it is not known if these concentrations are associated with the site.

Concentrations of various IHSs in monitoring wells MW-2, MW-6, MW-7 MW-10, MW-14, MW-15, MW-18, MW-20, MW-27, and MW-28 have historically exceeded CULs, but were less than applicable CULs in samples collected during the second quarter 2022 groundwater monitoring event. This further demonstrates that the remedy was successful at reducing dissolved-phase concentrations.

Groundwater analytical results for IHSs are presented in Table 2 and groundwater analytical result for the shallow and deep screened wells are shown on Figures 7 and 8. MTCA boundary maps with the historical footprint of groundwater exceeding CULs in the shallow and deep wells are shown on Figures 10 and 11. The groundwater laboratory analytical report and chain-of-custody documentation are provided in Appendix C.

4.1.3 Vapor Intrusion

Groundwater concentrations exceeded groundwater screening levels that are protective of vapor intrusion. However, the EC recorded in 2022 (Appendix B) provides institutional controls ensure protection from this pathway.

4.2 Current and Projected Site Use

The site is currently zoned for commercial/industrial use and is expected to remain commercial/industrial in the future. The recorded EC prohibits use of the site for non-industrial uses as part of the restrictive deed.

5 Conclusion and Recommendations

This Report was prepared to provide Ecology with the information needed to complete a 5-year periodic review for the site. This Report documents the efforts undertaken to fully delineate each source area of the site, as well as the limited remaining impacts.

Groundwater sampling results have shown stable and/or decreasing concentrations, a key indicator that shows the remedy was successful at reducing dissolved-phase COCs in groundwater. As such, Arcadis currently recommends the continuation of MNA to evaluate groundwater conditions at the site.

The next annual report will be submitted on or before March 1, 2023 and will provide a discussion focused on applicability of CULs.

6 References

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IT Corporation. 2000. Draft Focused Feasibility Study. Prepared for Van Waters & Rogers Inc. September 15.

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PES. 2009. Revised Remedial Investigation, Focused Feasibility Study Addendum, and Draft Cleanup Action Plan. Univar USA, Inc., Kent, Washington. March 13.

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PES. 2012. Construction Report, Final Cleanup Action, Univar USA Inc., Kent, Washington. Prepared for Univar USA Inc. March 12.

URS. 2014. Technical Memorandum, Evaluation of Enhanced Reductive Dechlorination Remediation Performance, Univar USA, Inc., 8201 South 212th Street, Kent, Washington. Prepared for Univar USA Inc. November 13.

VW&R. 1993. Closure Plan, Former Dangerous Waste Storage Tanks, Van Waters & Rogers Inc., 8201 South 212th, Kent, Washington. WAD 067548966

Tables

Table 1
Soil Analytical Results – Indicator Hazardous Substances
Five-Year Review Report
Univar Solutions Facility
8201 South 212th Street
Kent, Washington

Well ID	Date	Depth	1,1-Dichloroethene	Benzene	Methylene Chloride	Tetrachloroethene	Trichloroethene	Vinyl Chloride
MTCA CULs			**0.05**	**0.0055**	**0.022**	**0.009**	**0.026**	**0.0055**
SB-8	8/22/1994	1	<0.005	< 0.005	0.012	**0.017**	0.007	**< 0.01**
SB-8	8/22/1994	6	**< 0.5**	**< 0.5**	**1.40 JB**	**< 0.5**	**< 0.5**	**< 1**
MW-1	3/13/1995	4.5	< 0.005	<0.005	<0.005	**0.047**	**0.028**	**< 0.01**
MW-1	3/13/1995	6	< 0.005	<0.005	<0.005	**0.048**	0.021	**< 0.01**
MW-2	3/13/1995	4.5	< 0.005	<0.005	<0.005	**<0.005**	<0.005	**< 0.01**
MW-2	3/13/1995	6	< 0.005	<0.005	<0.005	**<0.005**	<0.005	**< 0.01**
MW-3	3/13/1995	4.5	< 0.005	<0.005	<0.005	**<0.005**	<0.005	**< 0.01**
MW-3	3/13/1995	6	< 0.005	<0.005	<0.005	**<0.005**	<0.005	**< 0.01**
MW-4	8/13/1996	1.5	< 0.005	<0.005	< 0.01	**<0.005**	<0.005	<0.005
MW-4	8/13/1996	3	< 0.005	<0.005	< 0.01	**<0.005**	<0.005	<0.005
MW-5	8/13/1996	1.5	< 0.005	<0.005	< 0.01	**0.110**	<0.005	<0.005
MW-5	8/13/1996	3	< 0.005	<0.005	< 0.01	**0.5**	0.021	<0.005
MW-6	8/13/1996	1.5	< 0.005	<0.005	< 0.01	**<0.005**	<0.005	<0.005
MW-6	8/13/1996	3	< 0.005	<0.005	< 0.01	**<0.005**	<0.005	<0.005
SB-10	8/13/1996	1	< 0.005	<0.005	< 0.01	**0.023**	<0.005	<0.005
SB-10	8/13/1996	3.5	< 0.005	<0.005	< 0.01	**<0.005**	<0.005	<0.005
SB-10	8/13/1996	3.5 (dup)	< 0.005	<0.005	< 0.01	**<0.005**	<0.005	<0.005
GP-10	10/10/1997	2	< 0.005	<0.005	< 0.01	**0.060**	<0.005	<0.005
GP-4	10/10/1997	2	< 0.005	<0.005	< 0.01	**<0.005**	<0.005	<0.005
GP-6	10/10/1997	2	< 0.005	<0.005	< 0.01	**<0.005**	<0.005	<0.005
GP-7	10/10/1997	2	< 0.005	<0.005	< 0.01	**0.310**	0.021	<0.005
SB-14	6/13/2001	6	< 0.06	**< 0.06**	**< 0.120**	**< 0.060**	**< 0.060**	**<0.060**
SB-16	6/13/2001	6	< 0.057	**<0.057**	**< 0.110**	**<0.057**	**<0.057**	**< 0.057**
SB-17	6/13/2001	6	< 0.057	**<0.057**	**< 0.110**	**<0.057**	**<0.057**	**< 0.057**
INJ-2	6/25/2001	10	< 0.0065	< 0.0065	< 0.013	**9.3**	**0.062**	**< 0.0065**
MW-11	6/25/2001	10	<0.0066	<0.0066	<0.014	**1.5**	0.007	**<0.0066**
SB-19	11/20/2001	10	<0.029	**< 0.029**	**<0.057**	**3.5**	**0.056**	**<0.029**
SB-20	11/20/2001	10	< 0.033	**< 0.033**	**< 0.065**	**0.91**	**0.63**	**< 0.033**
SB-21	9/12/2002	7	< 0.017	**<0.015**	**0.062 JB**	**2.50**	<0.026	**< 0.029**
SB-21	9/12/2002	11	< 0.016	**< 0.014**	**0.061 JB**	**0.80**	< 0.025	**< 0.028**
SB-21	9/12/2002	16	<0.00089	< 0.0011	0.0057 JB	**0.028**	0.0012 J	<0.00080
SB-21	9/12/2002	17.7	< 0.00090	< 0.0011	0.0041 JB	**0.033**	0.0025 J	< 0.00080
SB-22	9/12/2002	11.3	< 0.00090	< 0.0011	0.0046 JB	**0.030**	0.00079 J	0.0013 J

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MTCA CULs			**0.05**	**0.0055**	**0.022**	**0.009**	**0.026**	**0.0055**
SB-22	9/12/2002	17.7	< 0.00085	< 0.00097	0.0056 JB	< 0.00039	< 0.00035	< 0.00077
SB-23	9/12/2002	10	< 0.00098	<0.0012	0.0058 JB	0.00096 J	<0.00040	0.0016 J
SB-23	9/12/2002	15.4	< 0.00090	< 0.0011	0.008 JB	**0.081**	0.0039 J	<0.00081
SB-24	9/12/2002	10	< 0.017	**< 0.015**	**0.069 JB**	**0.830**	**0.120**	**< 0.029**
SB-24	9/12/2002	14.8	<0.00094	< 0.0011	0.0052 JB	**0.056**	0.012	<0.00085
SB-25	9/12/2002	11	< 0.00093	< 0.0011	0.0063 JB	< 0.00042	**0.031**	< 0.00084
SB-25	9/12/2002	15.5	< 0.00095	< 0.0011	0.0059 JB	0.00063 J	**0.16**	< 0.00085
SB-26	9/13/2002	11.9	< 0.00092	< 0.0011	0.0074 JB	< 0.00042	< 0.00038	< 0.00083
SB-26	9/13/2002	17.5	< 0.00096	0.0023 J	0.0063 JB	< 0.00044	< 0.00039	< 0.00087
SB-27	9/13/2002	11.5	< 0.0011	0.0046 J	0.0066 JB	0.0033 J	<0.00045	< 0.00099
SB-27	9/13/2002	17	< 0.00087	< 0.0010	0.0061 JB	< 0.00039	< 0.00036	< 0.00078
SB-28	9/13/2002	5	< 0.013	**< 0.012**	**0.038 JB**	**0.014 J**	< 0.021	**< 0.023**
SB-29	9/13/2002	6	< 0.065	**< 0.057**	**0.24 J**	**160**	**0.250 J**	**< 0.120**
SB-30	11/21/2002	8.5-9.4	<0.0062	< 0.0062	<0.013	< 0.0062	< 0.0062	**<0.0062**
SB-30	11/21/2002	14.4-15.3	<0.0099	<0.0099	**<0.020**	<0.0099	<0.0099	**<0.0099**
SB-30	11/21/2002	24-24.9	<0.0065	<0.0065	<0.013	< 0.0065	<0.0065	**<0.0065**
SB-30	11/21/2002	29-29.9	<0.0063	<0.0063	<0.013	< 0.0063	<0.0063	**<0.0063**
SB-30	11/21/2002	40.5-41.4	<0.0064	<0.0064	<0.013	<0.0064	<0.0064	**<0.0064**
SB-30	11/21/2002	44.5-45.4	< 0.030	**< 0.030**	**< 0.059**	**< 0.030**	**< 0.030**	**< 0.030**
SB-31	11/21/2002	10.2 -11.1	<0.024	**<0.024**	**<0.048**	**< 0.024**	<0.024	**<0.024**
SB-31	11/21/2002	28.8 - 29.7	< 0.0062	<0.0062	<0.013	<0.0062	<0.0062	**< 0.0062**
SB-31	11/21/2002	35-35.9	< 0.0061	< 0.0061	<0.013	< 0.0061	< 0.0061	**< 0.0061**
SB-32	11/22/2002	24.6-25.5	< 0.0063	< 0.0063	<0.013	<0.0063	< 0.0063	**< 0.0063**
SB-33	11/22/2002	10-10.9	< 0.034	**< 0.034**	**< 0.067**	**1.8**	**0.059**	**< 0.034**
SB-33	11/22/2002	14.1-15	< 0.032	**< 0.032**	**< 0.063**	**0.42**	**< 0.032**	**< 0.032**
SB-33	11/22/2002	24.6-25.5	< 0.0064	< 0.0064	< 0.013	< 0.0064	< 0.0064	**< 0.0064**
SB-34	11/23/2002	10.6-11.5	<0.0066	<0.0066	<0.014	< 0.0066	<0.0066	**<0.0066**
SB-34	11/23/2002	14.7-15.6	<0.0063	< 0.0063	<0.013	< 0.0063	< 0.0063	**<0.0063**
SB-34	11/25/2002	26.4-27.3	<0.0062	< 0.0062	<0.013	< 0.0062	< 0.0062	**<0.0062**
SB-35	3/19/2003	4 - 4.9	< 0.00091	< 0.0011	0.0032 JB	0.0049 J	< 0.00037	< 0.00082
SB-35	3/19/2003	6 - 6.9	< 0.00095	< 0.0011	0.0036 JB	0.0016 J	< 0.00039	< 0.00085
SB-35	3/19/2003	10 - 10.9	<0.00088	< 0.0011	0.0034 JB	< 0.00040	< 0.00036	<0.00079
SB-35	3/19/2003	12 - 12.9	< 0.00090	< 0.0011	0.0035 JB	< 0.00041	< 0.00037	< 0.00081
SB-35	3/19/2003	16 -16.9	<0.00088	< 0.0010	0.0038 JB	<0.0004	0.0016 J	<0.00079
SB-35	3/19/2003	20 - 20.9	<0.00086	< 0.00099	0.0029 JB	< 0.00039	0.00076 J	<0.00077
SB-35	3/19/2003	24 - 24.9	< 0.00084	<0.00096	0.0030 JB	< 0.00038	<0.00034	< 0.00076

Table 1
Soil Analytical Results – Indicator Hazardous Substances
Five-Year Review Report
Univar Solutions Facility
8201 South 212th Street
Kent, Washington

Well ID	Date	Depth	1,1-Dichloroethene	Benzene	Methylene Chloride	Tetrachloroethene	Trichloroethene	Vinyl Chloride
MTCA CULs			**0.05**	**0.0055**	**0.022**	**0.009**	**0.026**	**0.0055**
SB-38	5/28/2003	3	**0.16**	0.0086	0.0069 J	**8.1**	**23**	**0.073**
SB-38	5/28/2003	6.4	< 0.0011	<0.0012	< 0.0015	0.0062 J	0.022	< 0.00093
SB-38	5/28/2003	12.4	< 0.00094	0.0019 J	< 0.0013	0.0072	0.021	< 0.00084
SB-38	5/28/2003	17.3	< 0.00088	<0.0011	0.0013 J	< 0.00040	0.0014 J	< 0.00079
SB-38	5/28/2003	25	**0.12**	0.0015 J	0.0088 J	0.0061	0.01	**0.190**
SB-38	5/28/2003	27.8	0.037	0.0027 J	< 0.0013	0.00095 J	0.016 J	**0.610**
SB-38	5/28/2003	32.8	< 0.00090	<0.0011	< 0.0013	0.0016 J	**0.041 J**	0.0032 J
SB-38	5/28/2003	37.8	0.0048 J	<0.0011	0.0025 J	**0.13**	0.025	**0.0075**
SB-41	6/2/2003	37	< 0.00084	<0.00096	0.0022 J	< 0.00038	<0.00034	<0.00075
SB-41	6/2/2003	42.5	< 0.00081	<0.00093	0.0022 J	< 0.00037	<0.00033	< 0.00073
MW-19	1/29/2004	44.5	<0.00095	<0.0011	0.0047 J	< 0.00043	<0.00039	<0.00085

Notes:

1. Analytical results are presented in milligrams per kilogram.
2. **BOLD and highlighted** values are greater than their respective MTCA CUL.
3. **BOLD** values are nondetect, but the method detection limit is greater than the MTCA Method A CUL.
4. Sample depth measured in feet below ground surface.
5. MTCA CULs adapted from the Revised Remedial Investigation, Focused Feasibility Study Addendum, and Draft Cleanup Action Plan (PES Environmental, Inc. 2009).

Acronyms and Abbreviations:

< = not detected at or greater than the laboratory reporting limit or limit of quantitation
CUL = cleanup level
MTCA = Model Toxics Control Act

Qualifier:

J = The identification of the analyte is acceptable; the reported value is an estimate.

Reference:

PES Environmental, Inc. 2009. Revised Remedial Investigation, Focused Feasibility Study Addendum, and Draft Cleanup Action Plan. Univar USA, Inc., Kent, Washington. March 13.

Table 2
Historical Groundwater Analytical Results – Indicator Hazardous Substances
Five-Year Review Report
Univar Solutions Facility
8201 South 212th Street
Kent, Washington

Sample Location	Sample Date	TOC	DTW	GWE	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dichloroethane	1,2-Dichloropropane	Benzene	Chloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	Methylene Chloride	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Toluene	Total Xylenes	Vinyl Chloride
MTCA Method B CULs					7.7	7	80	0.48	1.20	0.80	--	1.40	16	700	5	5	200	0.54	640	1,600	0.50
MTCA CUL Rationale					Method B Cancer	Federal MCL	Method B Noncancer	Method B Cancer	Method B Cancer	Method B Cancer	No CUL	Method B Cancer	Method B Cancer	Federal MCL	Federal MCL	Federal MCL	Federal MCL	Method B Cancer	Method B Noncancer	Method B Noncancer	See Notes
MW-1	4/17/1995	33.15	4.70	28.45	710	53	--	< 0.25 U	< 0.25 U	< 0.25 U	560	< 0.25 U	1,400	1,300	29	180	540	150	2,900	3,600	120
MW-1	4/17/1995 (DUP)	33.15	4.70	28.45	770	65	--	< 0.25 U	< 0.25 U	< 0.25 U	610	< 0.25 U	1,600	1,500	31	230	640	180	3,100	3,900	130
MW-1	9/4/1996	33.15	6.04	27.11	1,300 D	< 50 UD	< 200 UD	< 50 UD	< 50 UD	< 50 UD	220 D	< 50 UD	700 D	1,300 D	<100 U	< 50 UD	180 D	< 50 UD	1,600 D	4,400 D	82 D
MW-1	12/10/1996	33.15	4.46	28.69	1,400 J	67 J	210 J	1.5 J	< 0.5 U	7.7 J	120 J	5.1 J	2,700 J	1,600 J	9 JB	31 J	1,200 J	62 J	3,500 J	6,300 J	91 J
MW-1	3/4/1997	33.15	4.33	28.82	640 J	24 J	210 EJ	1.2 J	< 0.5 UJ	5.3 J	73 J	2.1 J	1,000 J	1,600 J	5 JB	66 J	420 J	68 J	4,700 J	7,100	80 J
MW-1	6/27/1997	33.15	4.81	28.34	900	21	200	< 5 U	< 5 U	8	200	< 5 U	860	2,000	< 10 U	34	290	26	3,000	7,400	120
MW-1	9/4/1997	33.15	5.63	27.52	790	7.6	< 2 U	< 0.50 U	< 0.50 U	7.5	150	0.9	350	1,500	2.9	12	74	12	1,500	4,200	52
MW-1	12/4/1997	33.15	5.63	27.52	540 J	27 J	97 J	0.8 J	< 0.50 U	4.5 J	31 J	2.4 J	320 J	1,800 J	3 JB	22 J	250 J	20 J	4,700 J	7,000	38 J
MW-1	3/6/1998	33.15	4.50	28.65	420	9	110	< 5 U	< 5 U	8	320	< 5 U	340	1,500	< 10 U	10	160	7	1,600	4,400	50
MW-1	3/6/1998 (DUP)	33.15	4.50	28.65	400	10	120	< 5 U	< 5 U	8	380	< 5 U	400	1,500	< 10 U	8	190	8	1,500	4,300	56
MW-1	6/18/1998	33.15	5.02	28.13	420	16	190	< 10.0 U	< 10.0 U	< 10 U	120	< 10 U	450	1,700	< 20 U	14	400	10	2,900	6,700	120
MW-1	9/29/1998	33.15	6.52	26.63	330 J	2 UJ	81 J	< 2.0 UJ	< 2.0 UJ	7 J	300 J	< 2 UJ	94 J	1,800 J	< 5 UJ	< 2 UJ	46 J	2 J	1,400 J	5,400	14 J
MW-1	12/15/1998	33.15	4.78	28.37	330	14	110	< 5 U	< 5 U	6	190	< 5 U	390	1,600	< 10 U	6	270	6	2,000	4,600	54
MW-1	3/2/1999	33.15	3.60	29.55	320	11	94	< 5 U	< 5 U	5	390	< 5 U	490	1,700	< 10 U	6	220	7	1,600 B	5,970	73
MW-1	6/17/1999	33.15	4.87	28.28	230	< 50 U	< 200 U	< 50 U	< 50 U	< 50 U	140	< 50 U	400	1,400	< 500 U	< 50 U	270	< 50 U	2,500	6,000	180
MW-1	9/17/1999	33.15	5.72	27.43	250	6.4	110	< 0.2 U	< 0.2 U	4 E	200	< 0.2 U	210	1,400	< 0.3 U	7.8 B	240	8.9	1,500	4,100	88
MW-1	12/8/1999	33.15	4.63	28.52	310	< 12 U	130	< 12 U	< 12 U	< 12 U	79 J	< 12 U	330	1,300 J	< 25 U	< 12 UJ	240	< 12 UJ	860 J	5,500	110
MW-1	3/7/2000	33.15	4.28	28.87	310	17	220	< 2 U	< 2 U	2 U	22	< 2 U	1,100	970	< 5 U	14	300	17	1,100	4,310	450
MW-1	6/21/2000	33.15	4.80	28.35	290	9 J	260	< 6 U	< 7 U	< 6 U	32	< 5 U	380	860	50 J	10 J	390	10 J	1,300	3,700	290
MW-1	6/21/2000 (DUP)	33.15	4.80	28.35	210	7 J	170	< 3 U	< 4 U	< 3 U	58	< 3 U	340	860	20 J	10 J	310	10 J	1,300	3,420	290
MW-1	9/12/2000	33.15	5.81	27.34	190	5	91	< 1 U	< 1 U	3	110	2	170	1,100	< 5 U	4	180	8	980	3,730	61
MW-1	12/7/2000	33.15	5.36	27.79	310	20 J	130	< 6 U	< 7 U	< 6 U	42 J	9 J	390	830	< 10 U	10 J	270	10 J	630	3,290	100
MW-1	12/7/2000 (DUP)	33.15	5.36	27.79	260	10 J	120	< 6 U	< 7 U	< 6 U	76 J	8 J	300	890	< 10 U	10 J	250	9 J	480	3,330	79
MW-1	3/15/2001	33.15	4.91	28.24	350 J	27	190	< 2 U	< 2 U	< 2 U	13	31	500	690	12	14 J	480 J	23	290	2,890	110 J
MW-1	3/15/2001 (DUP)	33.15	4.91	28.24	450	35	230	< 2 U	< 2 U	< 2 U	13	43	620	740	13	20	610	27	320	2,830	150
MW-1	7/12/2001	33.15	5.10	28.05	370	16	120	< 2.9 U	< 3.1 U	< 2.7 U	12 J	21	290	480	9.5 J	8.8 J	610	31	130	1,930	210
MW-1	9/25/2001	33.15	0.46	32.69	790	23	--	< 5 U	< 5 U	< 5 U	17	18	460	480	10	16	480	41	320	1,970	240
MW-1	1/2/2002	33.15	0.46	32.69	660	30	130	< 0.57 U	< 0.62 U	< 0.50 U	27	22	690	570	2.2 J	9.1	510	22	270	2,300	300
MW-1	3/28/2002	33.15	4.12	29.03	540	25	160	< 0.57 U	< 0.62 U	< 0.75 U	18	28	800	690	2.8 J	14	510	25	240	2,620	390
MW-1	6/11/2002	33.15	4.75	28.40	250	5.5	160	< 0.57 U	< 0.62 U	< 1.0 U	12	10	240	500	1.0 J	6.4	230	7.8	170	1,570	270
MW-1	9/18/2002	33.15	6.03	27.12	130	2.3 J	70	< 0.57 U	< 0.62 U	2.0 J	81	1.7 J	100	880	2.5 J	3.8	44	7.2	58	2,840	35
MW-1	12/17/2002	33.15	5.60	27.55	560	22	130	< 1.3 U	< 1.3 U	< 1.3 U	7.8	4.3 B	340	520	< 5 U	10	600	25	80	1,030	100
MW-1	3/20/2003	33.15	4.91	28.24	490	16	110	< 0.5 U	< 0.5 U	0.5 J	7.5	3.2	160	380	< 2.0 U	7.3	440	15	69	940	120
MW-1	6/11/2003	33.15	5.11	28.04	270	5.4	120	< 0.12 U	< 0.13 U	0.35 J	4.4	1.3	64	330	1.0 J	4.2	260	6.7	200	730	60
MW-1	9/11/2003	33.15	6.66	26.49	610	12	93	< 0.23 U	< 0.25 U	0.82 JB	19	1.3	170	510	2.9 J	5	290	15	1,200	1,480	71
MW-1	12/4/2003	33.15	4.96	28.19	1,300	36	120	2.0	< 0.31 U	0.80 J	38	9	390	370	8.6	7.6	1,200	29	360	1,170	140
MW-1	3/16/2004	33.15	4.80	28.35	410	11	110	2.1	< 0.50 U	0.56 J	14	5.3	66	390	5.4 J	5.8	370	13	520	1,590	50
MW-1	9/23/2004	33.15	5.88	27.27	790	15	60	1.1 J	< 0.31 U	0.90 J	31	1.7	200	320	3.7 J	4.2	410	16	850	1,440	60

Table 2
Historical Groundwater Analytical Results – Indicator Hazardous Substances
Five-Year Review Report
Univar Solutions Facility
8201 South 212th Street
Kent, Washington

Sample Location	Sample Date	TOC	DTW	GWE	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dichloroethane	1,2-Dichloropropane	Benzene	Chloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	Methylene Chloride	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Toluene	Total Xylenes	Vinyl Chloride
MTCA Method B CULs					**7.7**	**7**	**80**	**0.48**	**1.20**	**0.80**	**--**	**1.40**	**16**	**700**	**5**	**5**	**200**	**0.54**	**640**	**1,600**	**0.50**
MTCA CUL Rationale					**Method B Cancer**	**Federal MCL**	**Method B Noncancer**	**Method B Cancer**	**Method B Cancer**	**Method B Cancer**	**No CUL**	**Method B Cancer**	**Method B Cancer**	**Federal MCL**	**Federal MCL**	**Federal MCL**	**Federal MCL**	**Method B Cancer**	**Method B Noncancer**	**Method B Noncancer**	**See Notes**
MW-1	4/5/2005	33.15	5.03	28.12	**350**	**12**	45	**0.85 J**	< 0.70 U	**0.85 J**	22	**50**	**120**	290	**11**	**7.4**	**540**	**23**	**1,500**	900	**26**
MW-1	9/21/2005	33.15	6.77	26.38	**590**	6.3	33	0.25 J	< 0.14 U	**0.86**	30	**3.4**	**65**	260	2.2	2.1	130	**8**	**1,100**	1,100	**24**
MW-1	3/15/2006	33.15	4.60	28.55	**580**	6.5	60	0.35 J	< 0.35 U	0.73 J	44	**8.5**	**55**	300	**9.6**	3.9	**240**	**15**	**710**	**1,680**	**24**
MW-1	9/14/2006	33.15	6.85	26.30	**830**	6.4	37	0.33 J	< 0.35 U	0.78 J	71	**8**	**49**	200	**5.6**	3.1	160	**7.6**	62	1,590	**21**
MW-1	4/4/2007	33.15	4.51	28.64	**240**	4.9	47	**< 0.57 U**	< 0.70 U	< 0.68 U	17	**8.9**	**44**	400	**6.6 J**	3.6	**210**	**9.3**	69	**2,080**	**12**
MW-1	9/25/2007	33.15	6.40	26.75	**300**	4.4	34	**< 0.57 U**	< 0.70 U	**1.0 J**	100	**3.3**	**49**	290	3.5 J	2.7	150	**8.9**	**1,500**	1,360	**8.5**
MW-1	9/25/2007	33.15	6.38	26.77	**300**	4.4	34	**< 0.57 U**	< 0.70 U	**1.0 J**	100	**3.3**	**49**	290	3.5 J	2.7	150	**8.9**	**1,500**	1,360	**8.5**
MW-1	5/2/2008	33.15	4.85	28.30	**250**	6.3	29	0.11 J	< 0.04 U	0.65	25	**5.3**	**48**	180	3.5 J	3	**220**	**8.7**	290	1,010	**12**
MW-1	9/30/2008	33.15	5.92	27.23	**320**	4.3	27	< 0.19 U	< 0.11 U	0.63 J	60	**2.7**	**37**	170	3.4 J	2.3	130	**7.1**	--	910	**10**
MW-1	3/25/2009	33.15	4.65	28.50	**240**	4	27	**< 0.50 U**	**< 5.0 U**	**3.2**	60	**4**	**22**	140	< 0.50 U	3.8	109	**7.1**	43	740	**10**
MW-1	9/30/2009	33.15	6.21	26.94	**500**	**12**	14	**< 5.0 U**	**< 5.0 U**	**< 5.0 U**	86	**4.5 J**	**38**	180	< 5.0 U	1.7 J	190	**5.6 J**	610	1,400	**14**
MW-1	3/29/2010	33.15	4.75	28.40	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	9.6 J	**< 20 U**	15	48.0	< 0.50 U	< 0.50 U	63	**7.8 J**	27	170	**4.4**
MW-1	9/30/2010	33.15	5.35	27.80	**339**	< 0.50 U	18.1	**< 0.50 U**	< 0.50 U	< 0.50 U	46.5	< 1.0 U	**28.3**	70	1.41	< 0.50 U	173	**3.2**	144	301	**9.51**
MW-1	3/3/2011	33.15	4.00	29.15	**168**	4.52	20.5	**< 0.50 U**	< 0.50 U	< 0.50 U	18.9	1	**23.6**	43.8	< 0.50 U	2.18	**211**	**5.8**	140	416	**3.1**
MW-1	9/23/2011	33.15	6.06	27.09	**138**	1.96	16	**< 0.50 U**	< 0.50 U	< 0.50 U	174	< 1.0 U	13.5	124	1.2	0.83	38.5	**3.4**	**1,620**	949	**5.74**
MW-1	3/8/2012	33.15	4.06	29.09	**132**	2.41	15.8	**< 0.50 U**	< 0.50 U	< 0.50 U	55	< 1.0 U	**20.4**	47.0	0.86	1.35	81	**2.3**	248	668	**10.1**
MW-1	10/1/2012 (DUP)	33.15	6.54	26.61	**88**	0.72	23.8	**< 0.50 U**	< 0.50 U	< 0.50 U	82	< 1.0 U	15	19.1	0.76	0.63 J	13.4	**2.9**	198	461	**6.1**
MW-1	10/1/2012	33.15	6.54	26.61	**83**	0.79	24.7	**< 0.50 U**	< 0.50 U	< 0.50 U	90	< 1.0 U	14.3	19.2	0.9	0.64 J	13.1	**2.8**	194	443	**5.78**
MW-1	3/6/2013	33.15	4.20	28.95	**252**	2.26	22.5	**< 0.50 U**	< 0.50 U	0.54	80	< 1.0 U	**25.2**	46.6	2.08	1.13	49.4	**1.9**	186	556	**22.3 J**
MW-1	9/25/2013	33.15	5.89	27.26	**132**	0.90	28.3	**< 0.50 U**	< 0.50 U	0.75	145	< 1.0 U	**21.5**	42.1	1.58	0.78	16.2	**3.3**	362	629	**18.7**
MW-1	3/26/2014	33.15	4.00	29.15	**303**	4.02	25.2	**< 0.50 U**	< 0.50 U	0.761	228	< 1.0 U	**45.2**	43.2	1.23	1.11	65	**3.0**	183	323	**67**
MW-1	9/23/2014	33.15	6.10	27.05	**95**	< 0.50 U	20.80	**< 0.50 U**	< 0.50 U	< 0.50 U	225	< 1.0 U	10.1	25.9	0.893	1.41	7.45	**2.8**	448	285	**13.4**
MW-1	3/17/2015	33.15	4.41	28.74	**36.9**	< 2.5 U	24.5	**< 1.3 U**	**< 1.3 U**	**< 1.3 U**	80.3	**< 2.5 U**	1.4 J	38.1	**< 13 U**	< 1.3 U	3.7	**0.95 J**	32.7	130	**1.1 J**
MW-1	9/16/2015	33.15	6.52	26.63	**52**	<1.0 U	18.1	**< 0.50 U**	< 0.50 U	0.52	212	< 1.0 U	5.2	16.9	< 5.0 U	0.76	11.1	**2.3**	175	215	**7**
MW-1	3/16/2016	33.15	4.14	29.01	**33.6**	<1.0 U	14.6	**< 0.50 U**	< 0.50 U	0.34 J	112	< 1.0 U	1.2	44.4	< 5.0 U	0.32 J	7.7	**1.2**	84	201	**0.66**
MW-1	9/13/2016	33.15	6.38	26.77	**26.3**	< 2.5 U	16.9	**< 1.3 U**	**< 1.3 U**	0.55 J	183	**< 2.5 U**	4.1	8.7	**< 13 U**	< 1.3 U	0.81 J	**2.1 J**	38.6	156	**0.98 J**
MW-1	3/7/2017	33.15	3.64	29.51	**10.1**	< 2.5 U	8.4	**< 2.5 U**	**< 2.5 U**	**< 2.5 U**	58.5	**< 2.5 U**	< 2.5 U	22.1	**< 10 U**	< 2.5 U	1.5 J	**< 2.5 U**	2.6	67	**< 2.5 U**
MW-1	9/21/2017	33.15	6.74	26.41	**35.7**	< 0.13 U	12.2	< 0.13 U	< 0.13 U	0.35 J	98.9	< 0.13 U	4.4	0.67	1.8 J	0.76	2	< 0.13 U	3.9	39.9	**0.91**
MW-1	3/20/2018	33.15	4.01	29.14	**16.4 J-**	< 0.50 UJ	17.6 J-	**< 0.50 UJ**	< 0.50 UJ	0.19 J-	38.5 J-	< 0.50 UJ	0.77 J-	1.4 J-	< 2.0 UJ	0.26 J-	2.6 J-	**0.83 J-**	0.98 J-	26.5 J-	0.34 J-
MW-1	9/13/2018	33.15	6.58	26.57	**38.5**	< 0.50 U	5.3	**< 0.50 U**	< 0.50 U	0.28 J	113	< 0.50 U	3.3	0.5	1.9	0.81	1.1	**2.2**	0.87	13.8	**1.2**
MW-1	5/31/2019	33.15	4.49	28.66	**35.3**	< 0.50 U	2.9	**< 0.50 U**	< 0.50 U	0.18 J	32.9	0.31 J	1.1	0.78	1.9 J	0.34 J	1.8	**2**	0.17 J	5.58	**0.66**
MW-1	8/27/2019	33.15	5.54	27.61	**46.7**	< 0.50 U	4.4	**< 0.50 U**	< 0.50 U	0.19 J	52.7	< 0.50 U	2	0.31 J	1.7 J	0.45 J	0.71	**2.5**	< 0.27 U	4.84	**0.79**
MW-1	5/13/2020	33.09	3.80	29.29	**17.7**	< 0.50 U	0.54	**< 0.50 U**	< 0.50 U	0.13 J	36.7	< 0.50 U	0.64	0.18 J	< 2.0 U	0.19 J	0.41 J	**1.8**	< 0.50 U	2.29 J	0.41 J
MW-1	5/13/2020	33.09	3.80	29.29	**17.6**	< 0.50 U	0.58	**< 0.50 U**	< 0.50 U	0.14 J	36.7	< 0.50 U	0.62	0.2 J	< 2.0 U	0.22 J	0.42 J	**1.9**	< 0.50 U	2.52 J	0.45 J
MW-1	9/25/2020	33.09	5.80	27.29	**18.1**	< 0.50 U	0.19 J	**< 0.50 U**	< 0.50 U	0.16 J	29.1 J	< 0.50 U	2.1	0.42 J	< 2.0 U	0.94	0.22 J	**3.1**	0.15 J	7.91 J	**0.81 J**
MW-1	6/23/2022	33.09	9.89	23.20	**10.9**	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	7	< 0.13 U	0.81	0.18	1.7	< 0.13 U	0.15	**2**	< 0.13 U	5.15	**0.54**
MW-2	4/17/1995	34.07	6.26	27.81	--	< 5.0 U	--	**< 5.0 U**	**< 5.0 U**	**< 5.0 U**	< 10 U	**9**	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	**< 5.0 U**	< 5.0 U	< 5.0 U	**< 10.0 U**

Table 2
Historical Groundwater Analytical Results – Indicator Hazardous Substances
Five-Year Review Report
Univar Solutions Facility
8201 South 212th Street
Kent, Washington

Sample Location	Sample Date	TOC	DTW	GWE	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dichloroethane	1,2-Dichloropropane	Benzene	Chloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	Methylene Chloride	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Toluene	Total Xylenes	Vinyl Chloride
MTCA Method B CULs					7.7	7	80	0.48	1.20	0.80	--	1.40	16	700	5	5	200	0.54	640	1,600	0.50
MTCA CUL Rationale					Method B Cancer	Federal MCL	Method B Noncancer	Method B Cancer	Method B Cancer	Method B Cancer	No CUL	Method B Cancer	Method B Cancer	Federal MCL	Federal MCL	Federal MCL	Federal MCL	Method B Cancer	Method B Noncancer	Method B Noncancer	See Notes
MW-2	9/4/1996	34.07	7.93	26.14	0.8	< 0.5 U	< 2 U	**< 0.5 U**	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	3.2	< 0.5 U	< 2.0 U	< 0.5 U	< 0.5 U	**0.6**	< 0.5 U	< 0.5 U	< 0.5 U
MW-2	12/10/1996	34.07	5.55	28.52	0.8	< 0.5 U	< 2 U	**< 0.5 U**	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	5.4	< 0.5 U	< 1.0 U	1.6	< 0.5 U	**2.6**	< 0.5 U	< 0.5 U	< 0.5 U
MW-2	3/4/1997	34.07	5.29	28.78	0.8	< 0.50 U	< 2 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	5.4	< 0.50 U	< 1.0 U	1.6	< 0.50 U	**2.6**	< 0.50 U	< 0.50 U	< 0.50 U
MW-2	6/27/1997	34.07	6.11	27.96	1	< 0.50 U	< 2 U	**< 0.50 U**	< 0.50 U	**2.1**	< 0.50 U	< 0.50 U	7.2	< 0.50 U	< 1.0 U	1.9	< 0.50 U	**2.1**	< 0.50 U	< 0.50 U	< 0.50 U
MW-2	9/4/1997	34.07	7.07	27.00	0.8	< 0.50 U	< 2 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	3.1	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	0.5	< 0.50 U	< 0.50 U	< 0.50 U
MW-2	12/4/1997	34.07	7.07	27.00	0.6	< 0.50 U	< 2 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	1.8	< 0.50 U	< 1.0 U	0.8	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
MW-2	3/6/1998	34.07	5.67	28.40	0.8	< 0.50 U	< 2 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	5.9	< 0.50 U	< 1.0 U	2.5	< 0.50 U	**2.8**	< 0.50 U	< 0.50 U	< 0.50 U
MW-2	6/18/1998	34.07	6.54	27.53	0.9	< 0.50 U	< 2 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	3.8	< 0.50 U	< 1.0 U	1.8	< 0.50 U	**2**	< 0.50 U	< 0.50 U	< 0.50 U
MW-2	9/29/1998	34.07	7.95	26.12	1.1	< 0.50 U	< 2 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	2.9	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
MW-2	12/15/1998	34.07	5.71	28.36	1	< 0.50 U	< 2 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	5.7	< 0.50 U	< 1.0 U	0.7	< 0.50 U	**1.7**	< 0.50 U	< 0.50 U	< 0.50 U
MW-2	3/2/1999	34.07	4.73	29.34	0.9	< 0.50 U	< 2 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	8.5	< 0.50 U	< 1.0 U	2.2	< 0.50 U	**1.5**	< 0.50 U	< 0.50 U	< 0.50 U
MW-2	6/16/1999	34.07	6.40	27.67	0.6	< 0.50 U	< 2 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	3.3	< 0.50 U	< 0.50 U	3.4	< 0.50 U	**1.5**	< 0.50 U	< 0.50 U	< 0.50 U
MW-2	6/16/1999 (DUP)	34.07	6.40	27.67	0.7	< 0.50 U	< 2 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	3.4	< 0.50 U	< 0.50 U	2.8	< 0.50 U	**1.4**	< 0.50 U	< 0.50 U	< 0.50 U
MW-2	9/16/1999	34.07	7.39	26.68	0.9	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	2.5	< 0.20 U	< 0.30 U	0.30 EB	< 0.30 U	< 0.30 U	< 0.20 U	< 0.40 U	< 0.30 U
MW-2	12/8/1999	34.07	5.84	28.23	0.9	< 0.20 U	< 2 U	< 0.20 U	< 0.20 U	< 0.50 U	< 0.20 U	< 0.50 U	4.4	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	**1.1**	< 0.50 U	< 0.50 U	< 0.50 U
MW-2	3/7/2000	34.07	5.36	28.71	0.8	< 0.20 U	< 2 U	< 0.20 U	< 0.20 U	< 0.50 U	< 0.20 U	< 0.50 U	3.6	< 0.50 U	< 1.0 U	3.7	< 0.50 U	**1.2**	< 0.50 U	< 0.50 U	< 0.50 U
MW-2	6/21/2000	34.07	6.43	27.64	0.67	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.10 U	3.3	< 0.10 U	< 0.20 U	3.2	< 0.20 U	**2.4**	< 0.10 U	< 0.20 U	< 0.30 U
MW-2	9/12/2000	34.07	7.92	26.15	< 1.0 U	< 1.0 U	< 1.0 U	**< 1.0 U**	< 1.0 U	**< 1.0 U**	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U	< 1.0 U	**< 1.0 U**	< 1.0 U	< 3.0 U	**< 1.0 U**
MW-2	12/7/2000	34.07	7.11	26.96	1.1	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.10 U	1.5	< 0.10 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	0.10 J	< 0.20 U	0.40 J
MW-2	3/15/2001	34.07	6.44	27.63	1.2 J	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.10 U	1.3	< 0.10 U	0.20 J	1.0 J	< 0.20 U	0.50 J	0.20 J	< 0.20 U	**0.68**
MW-2	7/12/2001	34.07	6.83	27.24	1	< 0.12 U	< 0.15 U	< 0.12 U	< 0.10 U	< 0.11 U	< 0.18 U	< 0.096 U	2	< 0.098 U	< 0.20 U	< 0.10 U	< 0.12 U	0.14 J	0.13 J	< 0.19 U	0.44 J
MW-2	9/25/2001	34.07	7.64	26.43	2.1	< 0.50 U	--	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.5 U	0.67	< 1.0 U	< 0.50 U	< 0.50 U	< 0.50 U	0.57	2.1	**0.75**
MW-2	1/3/2002	34.07	5.61	28.46	1.1	< 0.12 U	< 0.15 U	< 0.12 U	< 0.13 U	< 0.11 U	< 0.23 U	< 0.096 U	1.7	< 0.098 U	< 0.20 U	1.5	0.12	**0.57**	0.40 JB	< 0.19 U	**1**
MW-2	3/28/2002	34.07	5.49	28.58	1	< 0.12 U	< 0.15 U	< 0.12 U	< 0.13 U	< 0.11 U	< 0.23 U	< 0.096 U	1.8	< 0.13 U	< 0.20 U	1.7	< 0.12 U	**1**	< 0.10 U	< 0.22 U	**0.79**
MW-2	6/14/2002	34.07	6.28	27.79	0.71	< 0.12 U	< 0.15 U	< 0.12 U	< 0.13 U	< 0.11 U	< 0.23 U	< 0.096 U	2.5	< 0.13 U	< 0.20 U	1.5	< 0.12 U	**1.1**	< 0.10 U	< 0.22 U	**0.59**
MW-2	9/18/2002	34.07	7.67	26.40	1.2	< 0.12 U	< 0.15 U	< 0.12 U	< 0.13 U	< 0.11 U	< 0.23 U	< 0.096 U	1.3	< 0.13 U	< 0.20 U	< 0.10 U	< 0.12 U	< 0.12 U	< 0.10 U	< 0.22 U	**0.79**
MW-2	12/16/2002	34.07	7.07	27.00	1.2	< 0.50 U	< 2 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	1.1	< 0.13 U	< 2.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.22 U	**1.4**
MW-2	3/20/2003	34.07	5.75	28.32	0.86	< 0.50 U	< 2 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	1	< 0.13 U	< 2.0 U	0.6	< 0.50 U	< 0.50 U	< 0.50 U	< 0.22 U	**1**
MW-2	6/11/2003	34.07	6.68	27.39	0.88	< 0.12 U	< 0.15 U	< 0.12 U	< 0.13 U	< 0.11 U	< 0.23 U	< 0.096 U	1.1	< 0.13 U	< 0.20 U	< 0.10 U	< 0.12 U	0.22 J	0.8 B	< 0.22 U	**1.2**
MW-2	9/10/2003	34.07	8.16	25.91	1.3	< 0.12 U	< 0.15 U	< 0.12 U	< 0.13 U	< 0.11 U	< 0.23 U	< 0.096 U	0.75	< 0.13 U	< 0.20 U	< 0.10 U	< 0.12 U	< 0.12 U	0.3 B	< 0.22 U	**0.69**
MW-2	12/5/2003	34.07	6.24	27.83	1	< 0.12 U	< 0.15 U	< 0.12 U	< 0.13 U	< 0.11 U	< 0.23 U	< 0.096 U	1.5	< 0.13 U	< 0.20 U	< 0.10 U	< 0.12 U	0.13 J	< 0.10 U	< 0.22 U	**0.89**
MW-2	3/16/2004	34.07	5.90	28.17	0.7	< 0.12 U	< 0.15 U	< 0.12 U	< 0.13 U	< 0.11 U	< 0.23 U	< 0.096 U	1.3	< 0.13 U	< 0.20 U	2.2	< 0.12 U	**0.59**	0.10 J	< 0.22 U	**0.75**
MW-2	9/24/2004	33.79	7.12	26.67	0.79	< 0.12 U	< 0.15 U	< 0.12 U	< 0.13 U	< 0.11 U	< 0.23 U	< 0.096 U	0.61	< 0.13 U	< 0.20 U	--	--	0.16 J	< 0.098 U	< 0.22 U	**0.8**
MW-2	4/5/2005	33.79	6.00	27.79	0.8	< 0.13 U	< 0.15 U	< 0.12 U	< 0.14 U	< 0.14 U	< 0.23 U	< 0.14 U	0.82	< 0.13 U	< 0.20 U	--	--	0.32 J	0.20 J	< 0.22 U	**0.71**
MW-2	9/21/2005	33.79	7.74	26.05	0.79	< 0.13 U	< 0.15 U	< 0.12 U	< 0.14 U	< 0.14 U	< 0.23 U	< 0.14 U	0.57	< 0.13 U	< 0.20 U	--	--	0.24 J	0.20 J	< 0.22 U	**0.77**
MW-2	3/15/2006	33.79	5.45	28.34	0.27 J	< 0.13 U	< 0.15 U	< 0.12 U	< 0.14 U	< 0.14 U	< 0.23 U	< 0.14 U	0.93	< 0.13 U	< 0.20 U	--	--	**0.97**	< 0.11 U	< 0.22 U	0.37 J
MW-2	9/13/2006	33.79	7.99	25.80	0.98	< 0.13 U	< 0.15 U	< 0.12 U	< 0.14 U	< 0.14 U	< 0.23 U	< 0.14 U	1.2	< 0.13 U	< 0.20 U	--	--	< 0.14 U	< 0.11 U	< 0.22 U	**0.6**
MW-2	4/4/2007	33.79	5.35	28.44	0.20 J	< 0.13 U	< 0.15 U	< 0.12 U	< 0.14 U	< 0.14 U	< 0.23 U	< 0.14 U	1.1	< 0.13 U	< 0.20 U	--	--	**0.77**	< 0.11 U	< 0.22 U	0.22 J

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Sample Location	Sample Date	TOC	DTW	GWE	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dichloroethane	1,2-Dichloropropane	Benzene	Chloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	Methylene Chloride	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Toluene	Total Xylenes	Vinyl Chloride
MTCA Method B CULs					**7.7**	**7**	**80**	**0.48**	**1.20**	**0.80**	**--**	**1.40**	**16**	**700**	**5**	**5**	**200**	**0.54**	**640**	**1,600**	**0.50**
MTCA CUL Rationale					**Method B Cancer**	**Federal MCL**	**Method B Noncancer**	**Method B Cancer**	**Method B Cancer**	**Method B Cancer**	**No CUL**	**Method B Cancer**	**Method B Cancer**	**Federal MCL**	**Federal MCL**	**Federal MCL**	**Federal MCL**	**Method B Cancer**	**Method B Noncancer**	**Method B Noncancer**	**See Notes**
MW-2	9/26/2007	33.79	7.76	26.03	0.86	< 0.13 U	< 0.15 U	< 0.12 U	< 0.14 U	< 0.14 U	< 0.23 U	< 0.14 U	0.8	< 0.13 U	< 0.20 U	--	--	< 0.14 U	< 0.11 U	< 0.22 U	0.37 J
MW-2	5/2/2008	33.79	6.11	27.68	0.65	< 0.10 U	< 0.04 U	< 0.07 U	< 0.04 U	0.06 J	< 0.13 U	< 0.04 U	0.55	< 0.04 U	< 0.23 U	--	--	0.18 J	0.16 J	0.16 J	**0.51**
MW-2	9/29/2008	33.79	7.45	26.34	0.61	< 0.10 U	< 0.04 U	**< 0.073 U**	< 0.042 U	< 0.045 U	< 0.13	< 0.042 U	0.71	< 0.042 U	< 0.042 U	< 0.1 U	< 0.05 U	< 0.10 J	0.2 JB	0.13 J	0.44 J
MW-2	3/26/2009	33.79	5.77	28.02	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**1.2**
MW-2	9/29/2009	33.79	7.53	26.26	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	1	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**0.60 J**
MW-2	3/29/2010	33.79	6.53	27.26	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	0.5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**0.7**
MW-2	3/29/2010 (LAB DUP)	33.79	6.53	27.26	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	0.6	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**0.7**
MW-2	9/30/2010	33.79	6.75	27.04	0.61	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	1.07	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.20 UJ
MW-2	3/7/2011	33.79	5.14	28.65	< 0.500 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	0.69	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.20 U
MW-2	9/21/2011	33.79	7.50	26.29	0.5	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	0.92	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.20 U
MW-2	3/6/2012	33.79	5.46	28.33	0.52	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	0.64	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	0.29
MW-2	9/28/2012	33.79	7.79	26.00	< 0.500 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.20 U
MW-2	3/7/2013	33.79	5.80	27.99	0.500 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.20 U
MW-2	9/26/2013	33.79	7.21	26.58	0.59	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	< 0.500 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.20 U
MW-2	3/26/2014	33.79	4.93	28.86	< 0.500 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	0.786	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.20 U
MW-2	9/24/2014	33.79	7.60	26.19	0.52	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	0.528	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.20 U
MW-2	3/17/2015	33.79	5.47	28.32	0.36 J	< 1.0 U	< 2.0 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 1.0 U	< 1.0 U	0.72 J	< 1.0 U	< 5.0 U	< 0.50 U	**< 1.0 U**	< 1.0 U	< 1.0 U	< 1.0 U	< 0.50 U
MW-2	9/17/2015	33.79	7.90	25.89	0.47 J	< 1.0 U	< 2.0 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 1.0 U	< 1.0 U	0.37 J	< 1.0 U	< 5.0 U	< 0.50 U	< 1.0 U	**< 1.0 U**	< 1.0 U	< 1.0 U	< 0.50 U
MW-2	3/15/2016	33.79	4.68	29.11	0.26 J	< 1.0 U	< 2.0 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 1.0 U	< 1.0 U	0.47 J	< 1.0 U	< 5.0 U	0.33 J	< 1.0 U	0.36 J	< 1.0 U	< 1.0 U	0.22 J
MW-2	9/13/2016	33.79	7.77	26.02	0.44 J	< 1.0 U	< 2.0 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 1.0 U	< 1.0 U	0.80 J	< 1.0 U	< 5.0 U	< 0.50 U	< 1.0 U	**< 1.0 U**	< 1.0 U	< 1.0 U	< 0.50 U
MW-2	3/8/2017	33.79	5.04	28.75	0.32 J	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	0.43 J	< 0.50 U	< 2.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	0.20 J
MW-2	9/20/2017	33.79	7.84	25.95	0.46 J	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.20 U	< 0.13 U	1.1	< 0.13 U	< 2.0 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 1.0 U	< 0.13 U
MW-2	3/21/2018	33.79	5.73	28.06	0.36 J-	< 0.50 UJ	< 0.50 UJ	**< 0.50 UJ**	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	0.50 J-	< 0.50 UJ	< 2.0 U	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 1.0 U	0.19 J-
MW-2	9/13/2018	33.79	7.95	25.84	0.37 J	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	0.6	< 0.50 U	< 2.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	< 0.50 U
MW-2	6/3/2019	33.79	6.28	27.51	0.32 J	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	0.61	< 0.50 U	< 2.0 U	< 0.50 U	< 0.50 U	0.15 J	< 0.50 U	< 1.0 U	0.16 J
MW-2	8/29/2019	33.79	7.35	26.44	0.36 J	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	0.40 J	< 0.50 U	< 2.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	< 0.50 U
MW-2	5/13/2020	33.76	5.73	28.03	0.25 J	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	0.46 J	< 0.50 U	< 2.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	0.2 J
MW-2	9/25/2020	33.76	7.45	26.31	0.28 J	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	0.40 J	< 0.50 U	< 2.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	< 0.50 U
MW-2	6/23/2020	33.76	6.10	27.66	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.20 U	< 0.13 U	0.67	< 0.13 U	1.8	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	0.14
MW-3	9/4/1996	32.94	7.17	25.77	**330 D**	< 5 UD	< 20 UD	**< 5 UD**	**< 5 UD**	**< 5 UD**	9 D	**< 5 UD**	**56 D**	< 5 UD	**< 10 U**	< 5 UD	< 5 UD	**< 5 UD**	< 5 UD	< 5 UD	**< 5 UD**
MW-3	9/4/1996	32.94	7.17	25.77	**460 D**	< 5 UD	< 20 UD	**< 5 UD**	**< 5 UD**	**< 5 UD**	13 D	**< 5 UD**	7.2 D	< 5 UD	**< 10 U**	< 5 UD	< 5 UD	**< 5 UD**	< 5 UD	< 5 UD	**< 5 UD**
MW-3	9/4/1996 (DUP)	32.94	7.17	25.77	**460**	< 5 U	< 20 U	**< 5 U**	**< 5 U**	**< 5 U**	13	**< 5 U**	7.2	< 5 U	**< 10 U**	< 5 U	< 5 U	**< 5 U**	< 5 U	< 5 U	**5**
MW-3	12/11/1996	32.94	5.75	27.19	**120**	< 0.50 U	< 2 U	**< 0.5 U**	< 0.5 U	0.5	4	< 0.5 U	9.7	< 0.5 U	2.0 B	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**0.7**
MW-3	3/4/1997	32.94	5.50	27.44	**73**	< 0.50 U	< 2 U	**< 0.50 U**	< 0.50 U	0.5	4.5	< 0.50 U	5.8	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**0.8**
MW-3	6/27/1997	32.94	6.24	26.70	**140 J**	< 0.50 U	< 2 U	**< 0.50 U**	< 0.50 U	0.5	18	< 0.50 U	**17**	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**2**
MW-3	9/4/1997	32.94	6.87	26.07	**190**	< 0.50 U	< 2 U	**< 0.50 U**	< 0.50 U	0.6	1.4	< 0.50 U	**25**	0.60	< 1.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	1.7	**2.5**
MW-3	12/4/1997	32.94	6.87	26.07	**48**	< 0.50 U	< 2 U	**< 0.50 U**	< 0.50 U	0.5	1.8	< 0.50 U	2.1	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U

Table 2
Historical Groundwater Analytical Results – Indicator Hazardous Substances
Five-Year Review Report
Univar Solutions Facility
8201 South 212th Street
Kent, Washington

Sample Location	Sample Date	TOC	DTW	GWE	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dichloroethane	1,2-Dichloropropane	Benzene	Chloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	Methylene Chloride	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Toluene	Total Xylenes	Vinyl Chloride
MTCA Method B CULs					**7.7**	**7**	**80**	**0.48**	**1.20**	**0.80**	**--**	**1.40**	**16**	**700**	**5**	**5**	**200**	**0.54**	**640**	**1,600**	**0.50**
MTCA CUL Rationale					**Method B Cancer**	**Federal MCL**	**Method B Noncancer**	**Method B Cancer**	**Method B Cancer**	**Method B Cancer**	**No CUL**	**Method B Cancer**	**Method B Cancer**	**Federal MCL**	**Federal MCL**	**Federal MCL**	**Federal MCL**	**Method B Cancer**	**Method B Noncancer**	**Method B Noncancer**	**See Notes**
MW-3	3/6/1998	32.94	5.90	27.04	**100**	< 0.50 U	< 2 U	**< 0.50 U**	< 0.50 U	0.6	3.6	< 0.50 U	9	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	< 0.50 U	0.6	< 0.50 U	**0.9**
MW-3	6/18/1998	32.94	6.51	26.43	**38**	< 0.50 U	< 2 U	**< 0.50 U**	< 0.50 U	0.70 B	3.1	< 0.50 U	1.80	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**0.6**
MW-3	9/29/1998	32.94	5.73	27.21	**160**	< 0.50 U	< 2 U	**< 0.50 U**	< 0.50 U	0.5	0.7	< 0.50 U	14	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**1.1**
MW-3	9/29/1998 (DUP)	32.94	5.73	27.21	**200**	< 0.50 U	< 2 U	**< 0.50 U**	< 0.50 U	**< 1.0 U**	1.6	< 0.50 U	**18**	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**1.5**
MW-3	12/14/1998	32.94	5.92	27.02	**37**	< 0.50 U	< 2 U	**< 0.50 U**	< 0.50 U	< 0.50 U	5.8	< 0.50 U	1.5	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**1.5**
MW-3	3/3/1999	32.94	5.21	27.73	**47**	< 0.50 U	< 2 U	**< 0.50 U**	< 0.50 U	< 0.50 U	11	< 0.50 U	4.1	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**1**
MW-3	6/17/1999	32.94	6.48	26.46	**66**	< 1.0 U	< 4 U	**< 1.0 U**	< 1.0 U	**< 1.0 U**	< 1.0 U	< 1.0 U	3	< 1.0 U	**< 10 U**	< 1.0 U	< 1.0 U	**< 1.0 U**	< 1.0 U	< 1.0 U	**< 1.0 U**
MW-3	9/17/1999	32.94	7.20	25.74	**97 J**	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	0.40 E	0.8	< 0.20 U	6.5	< 0.20 U	< 0.30 U	< 0.20 U	< 0.30 U	< 0.30 U	< 0.20 U	< 0.40 U	**0.6**
MW-3	12/8/1999	32.94	6.08	26.86	**26**	< 0.50 U	< 2 U	**< 0.50 U**	< 0.50 U	< 0.50 U	7.9	< 0.50 U	1.1	< 0.50 U	< 1.0 U	< 0.60 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	0.5
MW-3	3/7/2000	32.94	5.74	27.20	**33**	< 0.50 U	< 2 U	**< 0.50 U**	< 0.50 U	< 0.50 U	17	< 0.50 U	1.7	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**0.6**
MW-3	6/21/2000	32.94	6.48	26.46	**24**	< 0.20 U	0.2	< 0.20 U	< 0.20 U	0.50 J	< 0.20 U	< 0.10 U	1.3	< 0.10 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.10 U	< 0.20 U	0.40 J
MW-3	9/12/2000	32.94	7.40	25.54	**54**	< 1.0 U	< 1.0 U	**< 1.0 U**	< 1.0 U	**< 1.0 U**	2	< 1.0 U	3	< 1.0 U	**< 5 U**	< 1.0 U	< 1.0 U	**< 1.0 U**	< 1.0 U	< 2.0 U	**< 1.0 U**
MW-3	9/12/2000 (DUP)	32.94	7.40	25.54	**61**	< 1.0 U	< 1.0 U	**< 1.0 U**	< 1.0 U	**< 1.0 U**	2	< 1.0 U	3	< 1.0 U	**< 5 U**	< 1.0 U	< 1.0 U	**< 1.0 U**	< 1.0 U	< 3.0 U	**< 1.0 U**
MW-3	12/7/2000	32.94	6.94	26.00	**26**	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	0.40 J	< 0.20 U	< 0.10 U	1.7	< 0.10 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.10 U	< 0.20 U	0.30 J
MW-3	3/15/2001	32.94	6.41	26.53	**46 J**	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	0.40 J	< 0.20 U	< 0.10 U	2.3	< 0.10 U	0.20 J	< 0.20 U	< 0.20 U	< 0.20 U	0.10 J	< 0.20 U	**0.6**
MW-3	7/12/2001	32.94	6.77	26.17	**27**	< 0.10 U	< 0.15 U	< 0.12 U	< 0.13 U	0.43 J	< 0.20 U	< 0.10 U	1.9	< 0.098 U	< 0.20 U	< 0.11 U	< 0.12 U	< 0.12 U	0.31 J	< 0.19 U	0.31 J
MW-3	9/24/2001	32.94	7.48	25.46	**37**	< 0.50 U	--	**< 0.50 U**	< 0.50 U	0.51	< 0.50 U	< 0.50 U	3	< 0.50 U	< 1.0 U	0.5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.59 U	< 0.50 U
MW-3	1/3/2002	32.94	5.71	27.23	**16**	< 0.12 U	< 0.15 U	< 0.12 U	< 0.13 U	< 0.11 U	0.47 J	< 0.10 U	1	< 0.098 U	< 0.20 U	< 0.11 U	< 0.12 U	< 0.12 U	0.46 JB	< 0.19 U	0.25 J
MW-3	3/28/2002	32.94	5.65	27.29	**22**	< 0.12 U	< 0.15 U	< 0.12 U	< 0.13 U	0.41 J	< 0.23 U	< 0.10 U	1.4	< 0.13 U	< 0.20 U	< 0.11 U	< 0.12 U	< 0.12 U	0.16 J	< 0.22 U	0.26 J
MW-3	6/14/2002	32.94	6.28	26.66	**19**	< 0.12 U	< 0.15 U	< 0.12 U	< 0.13 U	0.35 J	< 0.23 U	< 0.10 U	1.3	< 0.13 U	< 0.20 U	< 0.11 U	< 0.12 U	< 0.12 U	< 0.098 U	< 0.22 U	0.25 J
MW-3	9/17/2002	32.94	7.41	25.53	**27**	< 0.12 U	< 0.15 U	< 0.12 U	< 0.13 U	0.43 J	< 0.23 U	< 0.10 U	2.1	< 0.13 U	< 0.20 U	< 0.11 U	< 0.12 U	< 0.12 U	< 0.098 U	< 0.22 U	0.32 J
MW-3	12/17/2002	32.94	6.81	26.13	**38**	< 0.50 U	< 2 U	**< 0.50 U**	< 0.50 U	< 0.50 U	18	< 0.50 U	0.9	< 0.50 U	< 2 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**0.58**
MW-3	3/20/2003	32.94	5.84	27.10	**12**	< 0.50 U	< 2 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	0.8	< 0.50 U	< 2 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
MW-3	6/11/2003	32.94	6.60	26.34	**9.5**	< 0.12 U	< 0.15 U	< 0.12 U	< 0.13 U	0.41 J	< 0.23 U	< 0.096 U	0.9	< 0.13 U	< 0.20 U	< 0.11 U	< 0.12 U	< 0.12 U	0.47 JB	< 0.22 U	0.25 J
MW-3	9/11/2003	32.94	7.82	25.12	**9.9**	< 0.12 U	< 0.15 U	< 0.12 U	< 0.13 U	0.41 JB	< 0.23 U	< 0.096 U	0.9	< 0.13 U	< 0.20 U	< 0.11 U	< 0.12 U	< 0.12 U	0.32 JB	< 0.22 U	0.27 J
MW-3	12/4/2003	32.94	6.26	26.68	**19**	< 0.12 U	< 0.15 U	< 0.12 U	< 0.13 U	0.35 J	19	< 0.096 U	1	< 0.13 U	0.27 J	< 0.11 U	< 0.12 U	< 0.12 U	< 0.098 U	< 0.22 U	0.46 J
MW-3	3/15/2004	32.94	5.98	26.96	**16**	< 0.12 U	< 0.15 U	< 0.12 U	< 0.13 U	0.48 J	< 0.23 U	< 0.096 U	1.5	0.29 J	< 0.20 U	< 0.11 U	< 0.12 U	< 0.12 U	0.17 J	2.4	0.36 J
MW-3	9/24/2004	32.94	7.87	25.07	**9.9**	< 0.12 U	< 0.15 U	< 0.12 U	< 0.13 U	0.43 J	< 0.23 U	< 0.096 U	1.5	< 0.13 U	< 0.20 U	< 0.11 U	< 0.12 U	< 0.12 U	0.15 J	< 0.22 U	0.31 J
MW-3	4/5/2005	32.94	5.92	27.02	**9.1**	< 0.13 U	< 0.15 U	< 0.12 U	< 0.14 U	0.33 J	< 0.23 U	< 0.14 U	0.86	< 0.13 U	< 0.20 U	< 0.13 U	< 0.12 U	< 0.14 U	0.82	< 0.22 U	0.29 J
MW-3	9/21/2005	32.94	7.45	25.49	**10**	< 0.13 U	< 0.15 U	< 0.12 U	< 0.14 U	0.44 J	< 0.23 U	< 0.14 U	1.6	< 0.13 U	< 0.20 U	< 0.13 U	< 0.12 U	< 0.14 U	0.34 J	< 0.22 U	0.27 J
MW-3	3/14/2006	32.94	5.57	27.37	**12**	< 0.13 U	< 0.15 U	< 0.12 U	< 0.14 U	0.36 J	< 0.23 U	< 0.14 U	1.2	< 0.13 U	< 0.20 U	< 0.13 U	< 0.12 U	< 0.14 U	0.15 J	< 0.22 U	0.31 J
MW-3	9/12/2006	32.94	7.70	25.24	**27**	< 0.13 U	< 0.15 U	< 0.12 U	< 0.14 U	0.39 J	< 0.23 U	< 0.14 U	2.7	< 0.13 U	< 0.20 U	< 0.13 U	< 0.12 U	< 0.14 U	< 0.11 U	< 0.22 U	0.42 J
MW-3	4/3/2007	32.94	5.52	27.42	7.7	< 0.13 U	< 0.15 U	< 0.12 U	< 0.14 U	0.31 J	< 0.23 U	< 0.14 U	1	< 0.13 U	< 0.20 U	< 0.13 U	< 0.12 U	< 0.14 U	< 0.11 U	< 0.22 U	0.23 J
MW-3	9/25/2007	32.94	7.43	25.51	**18**	< 0.13 U	< 0.15 U	< 0.12 U	< 0.14 U	0.37 J	< 0.23 U	< 0.14 U	2.1	< 0.13 U	< 0.20 U	< 0.13 U	< 0.12 U	< 0.14 U	< 0.11 U	< 0.22 U	0.28 J
MW-3	5/1/2008	32.94	5.96	26.98	4.6	< 0.10 U	< 0.04 U	< 0.07 U	< 0.04 U	0.34 J	< 0.13 U	< 0.04 U	0.8	< 0.04 U	< 0.23 U	< 0.077 U	< 0.05 U	< 0.06 U	0.34 J	0.12 J	0.25 J
MW-3	10/1/2008	32.94	7.08	25.86	**11**	< 0.10 U	< 0.037 U	< 0.07 U	< 0.04 U	0.36 J	< 0.13 U	< 0.042 U	1.8	< 0.042 U	< 0.23 U	< 0.077 U	< 0.05 U	< 0.06 U	0.18 J	0.08 J	0.28 J
MW-3	3/24/2009	32.94	5.74	27.20	**8.7**	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	0.5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**1.1**
MW-3	9/29/2009	32.94	7.22	25.72	**15**	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	1.5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**0.80 J**

Table 2
Historical Groundwater Analytical Results – Indicator Hazardous Substances
Five-Year Review Report
Univar Solutions Facility
8201 South 212th Street
Kent, Washington

Sample Location	Sample Date	TOC	DTW	GWE	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dichloroethane	1,2-Dichloropropane	Benzene	Chloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	Methylene Chloride	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Toluene	Total Xylenes	Vinyl Chloride
MTCA Method B CULs					7.7	7	80	0.48	1.20	0.80	--	1.40	16	700	5	5	200	0.54	640	1,600	0.50
MTCA CUL Rationale					Method B Cancer	Federal MCL	Method B Noncancer	Method B Cancer	Method B Cancer	Method B Cancer	No CUL	Method B Cancer	Method B Cancer	Federal MCL	Federal MCL	Federal MCL	Federal MCL	Method B Cancer	Method B Noncancer	Method B Noncancer	See Notes
MW-3	3/30/2010	32.94	5.75	27.19	**16**	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	1.9	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	0.3
MW-3	9/28/2010	32.94	6.36	26.58	**8.47**	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	0.33 J	< 0.50 U	< 1.0 U	1.49	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.2 UJ
MW-3	3/7/2011	32.94	5.15	27.79	**9.5**	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	1.39	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.2 U
MW-3	9/21/2011	32.94	7.10	25.84	7.07	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	1.41	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.2 U
MW-3	3/6/2012	32.94	5.35	27.59	5.06	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 1.0 U	1.14	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.200 U
MW-3	10/1/2012	32.94	7.47	25.47	7.24	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 1.0 U	1.45	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.200 U
MW-3	3/7/2013	32.94	5.70	27.24	4.75	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 1.0 U	1.03	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.200 U
MW-3	9/27/2013	32.94	6.74	26.20	3.76	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 1.0 U	0.9	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.200 U
MW-3	3/27/2014	32.94	6.11	26.83	2.51	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 1.0 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.200 U
MW-3	9/25/2014	32.94	7.20	25.74	5.38	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 1.0 U	1.21	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.200 U
MW-3	3/19/2015	32.94	5.19	27.75	2.2	< 1.0 U	< 2.0 U	**< 0.50 U**	< 0.50 U	0.25 J	< 1.0 U	< 1.0 U	0.61 J	< 1.0 U	< 0.50 U	< 0.50 U	< 1.0 U	**< 1.0 U**	< 1.0 U	--	0.23 J
MW-3	9/16/2015	32.94	7.45	25.49	**< 20 U**	**< 20 U**	< 40 U	**< 10 U**	**< 10 U**	**< 10 U**	< 20 U	**< 20 U**	**< 20 U**	< 20 U	**< 100 U**	**< 10 U**	< 20 U	**< 20 U**	< 20 U	--	**< 10 U**
MW-3	3/14/2016	32.94	4.75	28.19	1.6 J	< 5.0 U	< 10 U	**< 2.5 U**	**< 2.5 U**	**< 2.5 U**	< 5.0 U	**< 5.0 U**	< 5.0 U	< 5.0 U	**< 25 U**	< 2.5 U	< 5.0 U	**< 5.0 U**	1.5 J	--	**< 2.5 U**
MW-3	9/14/2016	32.94	7.32	25.62	3.0 J	< 5.0 U	< 10 U	**< 2.5 U**	**< 2.5 U**	**< 2.5 U**	< 5.0 U	**< 5.0 U**	1.3 J	< 5.0 U	**< 25 U**	< 2.5 U	< 5.0 U	**< 5.0 U**	< 5.0 U	--	**< 2.5 U**
MW-3	3/8/2017	32.94	5.04	27.90	2.2	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	0.20 J	0.96	< 0.50 U	0.71	< 0.50 U	< 2.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	--	0.30 J
MW-3	9/21/2017	32.94	7.24	25.70	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	0.35 J	3.8	< 0.13 U	1.4	< 0.13 U	< 2.0 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	--	**0.75**
MW-3	3/19/2018	32.94	5.60	27.34	0.97 J-	< 0.50 UJ	< 0.50 UJ	**< 0.50 UJ**	< 0.50 UJ	0.19 J-	1.4 J-	< 0.50 UJ	0.81 J-	< 0.50 UJ	< 2.0 U	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	--	0.48 J-
MW-3	9/11/2018	32.94	7.33	25.61	0.31 J	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	0.29 J	3.1	< 0.50 U	1.1	< 0.50 U	< 2.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	--	**0.97**
MW-3	5/31/2019	32.94	6.04	26.90	0.40 J	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	0.26 J	1.2	< 0.50 U	0.71	< 0.50 U	< 2.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	**0.53**
MW-3	5/31/2019	32.94	6.04	26.90	0.37 J	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	0.24 J	1.1	< 0.50 U	0.74	< 0.50 U	< 2.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	**0.52**
MW-3	8/26/2019	32.94	6.49	26.45	0.36 J	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	0.29 J	1.5	< 0.50 U	0.86	< 0.50 U	< 2.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	**0.57**
MW-3	5/13/2020	32.86	5.66	27.20	0.18 J	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	0.21 J	1.3	< 0.50 U	0.54	< 0.50 U	< 2.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	**0.59**
MW-3	9/24/2020	32.86	6.50	26.36	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	0.3 J	1.3	< 0.50 U	0.58	< 0.50 U	< 2.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	**0.87**
MW-3	6/23/2022	32.86	5.78	27.08	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	0.23	0.89	< 0.13 U	0.58	< 0.13 U	1.70 JB	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	**0.71**
MW-4	9/4/1996	32.86	--	--	**76 D**	**< 50 UD**	**< 200 UD**	**< 50 UD**	**< 50 UD**	**< 50 UD**	830 D	**< 50 UD**	**< 50 UD**	200 D	**100 U**	**< 50 UD**	< 50 UD	**< 50 UD**	**2000 D**	1500 D	**< 50 UD**
MW-4	12/10/1996	32.86	4.68	28.18	**33**	< 0.50 U	**110 E**	**2.6**	< 0.50 U	**38**	950	< 0.50 U	2.1	430	**7 B**	< 0.50 U	< 0.50 U	< 0.50 U	310	340	**6.1**
MW-4	3/4/1997	32.86	4.16	28.70	**140**	< 0.50 U	**170**	**1.9**	< 0.50 U	**29**	1,100	< 0.50 U	12	580	**7**	< 0.50 U	4.8	**1**	160	210	**15**
MW-4	6/27/1997	32.86	4.59	28.27	**160**	< 0.50 U	**230**	**1.2**	< 0.50 U	**31**	2,000	< 0.50 U	2.8	**900**	**9.6**	< 0.50 U	2.6	**2**	62	53	**6.3**
MW-4	9/4/1997	32.86	5.44	27.42	**52**	< 0.50 U	< 2.0 U	**1.4**	< 0.50 U	**23**	820	< 0.50 U	2.5	570	**7**	< 0.50 U	< 0.50 U	**0.8**	120	42	**6.9**
MW-4	9/4/1997 (DUP)	32.86	5.44	27.42	**47**	< 0.50 U	**510**	**1.5**	< 0.50 U	**22**	2,100	< 0.50 U	< 0.50 U	**1,300**	**7.1**	< 0.50 U	< 0.50 U	**0.7**	300	110	**6.5**
MW-4	12/4/1997	32.86	5.44	27.42	**22 J**	< 0.50 UJ	**180 J**	**1.3 J**	< 0.50 UJ	**23 J**	960 J	< 0.50 U	1.2 J	**860 J**	**7 J**	< 0.50 U	< 0.50 U	**1.0 J**	320 J	250 J	**3.4 J**
MW-4	3/6/1998	32.86	4.28	28.58	**84**	< 0.10 U	**220**	**< 1.0 U**	< 1.0 U	**29**	1,400	< 1.0 U	4	**970**	**10**	< 1.0 U	11	**1**	48	140	**8**
MW-4	6/18/1998	32.86	5.00	27.86	**410**	**< 12.0 U**	**260**	**< 12.0 U**	**< 12.0 U**	**140**	1,700	**< 12.0 U**	< 12.0 U	**1,200**	**45**	**< 12.0 U**	< 12.0 U	**< 12.0 U**	390	**1,800**	**< 12 U**
MW-4	9/29/1998	32.86	6.44	26.42	**33 J**	< 2.0 U	**240**	**< 2.0 U**	**< 2.0 U**	**23 J**	1000 J	**< 2.0 U**	< 2.0 U	**780 J**	**8 J**	< 2.0 U	< 2.0 U	**< 2.0 U**	**1600 J**	**1300 J**	**< 2.0 U**
MW-4	12/14/1998	32.86	5.16	27.70	**26**	< 2.0 U	**250**	**< 2.0 U**	**< 2.0 U**	**37**	1,000	**< 2.0 U**	< 2.0 U	**840**	**7**	< 2.0 U	< 2.0 U	**< 2.0 U**	**1,100**	**1,900**	**< 2.0 U**
MW-4	3/3/1999	32.86	3.73	29.13	**72**	< 2.0 U	**110**	**< 2.0 U**	**< 2.0 U**	**18**	1,300	**< 4.0 U**	< 6.0 U	**790**	**9**	< 2.0 U	< 2.0 U	**< 2.0 U**	8 B	13 B	**8**
MW-4	6/17/1999	32.86	4.77	28.09	**210**	**< 25.0 U**	**240 J**	**< 25.0 U**	**< 25.0 U**	**< 25 U**	1,200	**< 25.0 U**	**< 25.0 U**	**1,200**	**< 250 U**	**< 25.0 U**	< 25.0 U	**< 25.0 U**	110	142	**< 25 U**

Table 2
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Sample Location	Sample Date	TOC	DTW	GWE	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dichloroethane	1,2-Dichloropropane	Benzene	Chloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	Methylene Chloride	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Toluene	Total Xylenes	Vinyl Chloride
MTCA Method B CULs					**7.7**	**7**	**80**	**0.48**	**1.20**	**0.80**	**--**	**1.40**	**16**	**700**	**5**	**5**	**200**	**0.54**	**640**	**1,600**	**0.50**
MTCA CUL Rationale					**Method B Cancer**	**Federal MCL**	**Method B Noncancer**	**Method B Cancer**	**Method B Cancer**	**Method B Cancer**	**No CUL**	**Method B Cancer**	**Method B Cancer**	**Federal MCL**	**Federal MCL**	**Federal MCL**	**Federal MCL**	**Method B Cancer**	**Method B Noncancer**	**Method B Noncancer**	**See Notes**
MW-4	9/17/1999	32.86	5.78	27.08	**36**	< 0.20 U	**220**	< 0.20 U	< 0.20 U	**18**	820 J	< 0.20 U	1.40 E	**850 J**	**9**	< 0.20 U	< 0.30 U	< 0.30 U	540	1,230	0
MW-4	12/8/1999	32.86	4.81	28.05	**19**	< 5.0 U	**270**	**< 5.0 U**	**< 5.0 U**	**24**	1000 J	**< 5.0 U**	< 5.0 U	**980 J**	**< 10.0 U**	< 5.0 U	< 5.0 U	**< 5.0 U**	380 J	**1570 J**	**< 5.0 U**
MW-4	12/8/1999 (DUP)	32.86	4.81	28.05	**20**	< 5.0 U	**260**	**< 5.0 U**	**< 5.0 U**	**23**	1100 J	**< 5.0 U**	< 5.0 U	**970 J**	**< 10.0 U**	< 5.0 U	< 5.0 U	**< 5.0 U**	360 J	**1560 J**	**< 5.0 U**
MW-4	3/7/2000	32.86	4.17	28.69	**29**	< 2.0 U	**240**	**< 2.0 U**	**< 2.0 U**	**17**	1,200	**< 2.0 U**	< 2.0 U	**1,200**	**9**	< 2.0 U	< 2.0 U	**< 2.0 U**	8	389	**< 2.0 U**
MW-4	3/7/2000 (DUP)	32.86	4.17	28.69	**28**	< 2.0 U	**240**	**< 2.0 U**	**< 2.0 U**	**17**	1,200	**< 2.0 U**	< 2.0 U	**1,200**	**9**	< 2.0 U	< 2.0 U	**< 2.0 U**	8	389	**< 2.0 U**
MW-4	6/21/2000	32.86	4.85	28.01	**43**	< 3.0 U	**230**	**< 3.0 U**	**< 3.0 U**	**17**	980	**< 2.0 U**	< 3.0 U	**1,100**	**20**	< 3.0 U	< 3.0 U	**< 3.0 U**	58	1,040	**< 5.0 U**
MW-4	9/12/2000	32.86	6.22	26.64	**14**	< 1.0 U	**140**	**< 1.0 U**	< 1.0 U	**10**	840	< 1.0 U	< 1.0 U	**610**	**6**	< 1.0 U	< 1.0 U	**< 1.0 U**	25	820	**1**
MW-4	12/7/2000	32.86	6.78	26.08	**10 J**	< 6.0 U	**230**	**< 6.0 U**	**< 7.0 U**	**10 J**	750 J	**< 5.0 U**	< 6.0 U	**850**	**10 J**	**< 6.0 U**	< 6.0 U	**< 6.0 U**	32	**2,540**	**< 20 U**
MW-4	3/15/2001	32.86	5.10	27.76	**23 J**	< 0.60 U	**210**	**2.0 J**	< 0.70 U	**19**	770	< 0.50 U	0.70 J	**820**	**11**	< 0.60 U	< 0.60 U	**< 0.60 U**	37	850	**< 2 U**
MW-4	7/12/2001	32.86	5.14	27.72	**43**	< 3.0 U	**93**	**< 2.9 U**	**< 3.1 U**	**14**	710	**< 2.40 U**	< 3.0 U	**960**	**16 J**	< 2.80 U	< 2.80 U	**< 3.0 U**	5 J	370	**< 5.3 U**
MW-4	9/25/2001	32.86	6.02	26.84	**27**	< 0.50 U	27	**0.71**	< 0.50 U	**6.5**	340	< 0.50 U	0.74	230	**5.9**	< 0.50 U	< 0.50 U	< 0.50 U	2.1	38	**3.6**
MW-4	1/2/2002	32.86	4.41	28.45	**25**	< 0.60 U	55	**< 0.57 U**	< 0.62 U	**10**	570	< 0.48 U	1.40 J	450	**7.5 J**	< 0.55 U	< 0.56 U	**1.20 J**	5.5	164	**1.6 J**
MW-4	3/28/2002	32.86	4.17	28.69	**87**	< 0.60 U	65	**< 0.57 U**	< 0.62 U	**12**	810	< 0.48 U	2.6	700	**13**	< 0.55 U	< 0.57 U	**2.30 J**	18	184	**6.2**
MW-4	6/11/2002	32.86	4.69	28.17	**58**	< 0.60 U	36	**< 0.57 U**	< 0.62 U	**12**	760	< 0.48 U	0.58 U	630	**9.2 J**	1.60 J	< 0.57 U	**1.70 J**	6.7	64	**< 1.10 U**
MW-4	9/18/2002	32.86	6.25	26.61	**20**	< 0.30 U	**160**	< 0.29 U	< 0.31 U	**11**	570	< 0.24 U	1.10 J	690	**7.6**	< 0.28 U	< 0.29 U	**0.70 J**	11	**1,640**	**1.9**
MW-4	12/17/2002	32.86	6.22	26.64	**18**	< 1.0 U	**150**	**< 1.0 U**	< 1.0 U	**14**	500	< 1.0 U	1	620	**6.2**	< 1.0 U	< 1.0 U	**< 1.0 U**	10	1,290	**3.1**
MW-4	3/20/2003	32.86	4.74	28.12	**13**	< 1.0 U	**140**	**< 1.0 U**	< 1.0 U	**16**	530	< 1.0 U	< 1.0 U	**740**	**5.3**	< 1.0 U	< 1.0 U	**< 1.0 U**	2.3	325	**1.3**
MW-4	6/11/2003	32.86	5.17	27.69	**24**	< 0.30 U	**120**	**0.58 J**	< 0.31 U	**13**	530	< 0.24 U	1.0 J	**750**	**7.2**	< 0.28 U	< 0.29 U	**0.68 J**	1.8 B	114	**1.5**
MW-4	9/11/2003	32.86	7.02	25.84	**18**	< 0.24 U	**200**	< 0.23 U	< 0.25 U	**13**	460	< 0.20 U	1.1	**780**	**6.8**	< 0.22 U	< 0.23 U	0.34 J	9.3	**1,990**	**2.3**
MW-4	12/4/2003	32.86	5.49	27.37	**11**	< 0.24 U	**180**	< 0.23 U	< 0.25 U	**27**	370	< 0.20 U	0.56 J	**800**	4.2	< 0.22 U	< 0.23 U	0.32 J	11	**1,787**	**0.70 J**
MW-4	3/15/2004	32.86	4.83	28.03	**15**	< 0.12 U	**160**	< 0.12 U	< 0.13 U	**24**	420	< 0.096 U	0.67	**730**	**6.2**	< 0.11 U	< 0.12 U	0.48 J	5.6	702	**0.59**
MW-4	9/24/2004	32.86	6.11	26.75	**12**	< 0.12 U	19	**0.75**	< 0.13 U	**13**	270	< 0.096 U	0.56	350	2.6	--	--	0.31 J	0.8	11.3	**0.78**
MW-4	4/4/2005	32.86	5.28	27.58	**10**	< 0.25 U	**170**	**0.86 J**	< 0.28 U	**21**	400	< 0.28 U	0.42 J	**730**	3.9	--	--	0.34 J	3.6	690	**0.66 J**
MW-4	9/21/2005	32.86	6.65	26.21	**15**	< 0.13 U	**120**	**0.63**	< 0.14 U	**17**	230	< 0.14 U	0.79	270	3.1	--	--	0.29 J	2.9	328	**0.58**
MW-4	3/15/2006	32.86	4.64	28.22	**12**	< 0.13 U	**140**	**0.66**	< 0.14 U	**20**	300	< 0.14 U	0.46 J	81	3.7	--	--	0.19 J	2.1	376	**0.86**
MW-4	9/14/2006	32.86	6.96	25.90	**10**	< 0.13 U	**120**	**0.59**	< 0.14 U	**12**	190	< 0.14 U	0.51	61	2.2	--	--	0.17 J	1.4	343	**1.6**
MW-4	4/4/2007	32.86	4.46	28.40	7.20	< 0.13 U	**140**	**0.49 J**	< 0.14 U	**17**	110	< 0.14 U	0.25 J	22.0	1.3 J	--	--	0.15 J	0.8	151	0.090 J
MW-4	9/26/2007	32.86	6.67	26.19	**9.0**	< 0.13 U	**120**	**< 0.85 U**	< 0.14 U	**14**	85	< 0.14 U	0.31 J	62	0.62 J	--	--	0.18 J	2.2	38.5	**0.54**
MW-4	5/2/2008	32.86	5.00	27.86	4.5	< 0.10 U	**100**	**< 0.76 U**	< 0.04 U	**13**	96	< 0.04 U	0.13 J	18.0	0.61 J	--	--	< 0.16 U	1.1	6.9	0.10 J
MW-4	10/1/2008	32.86	6.29	26.57	7.3	< 0.10 U	79	0.36	< 0.042 U	**11**	140	0.042	0.24 J	7.8	0.82 J	0.077 U	< 0.05 U	0.20 J	1.1	8.1	0.29 J
MW-4	3/25/2009	32.86	4.67	28.19	4.8	< 0.50 U	**128**	**< 0.50 U**	< 0.50 U	**11**	206	< 1.0 U	< 0.50 U	4.1	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	2.2	**1**
MW-4	3/25/2009 (DUP)	32.86	4.67	28.19	4.5	< 0.50 U	**120**	**< 0.50 U**	< 0.50 U	**11**	220	< 1.0 U	< 0.50 U	3.9	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	2.7	**1.1**
MW-4	9/30/2009	32.86	6.53	26.33	6.1	3.3	**210**	**< 0.50 U**	< 0.50 U	**10**	450	< 1.0 U	< 0.50 U	8.5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	8	**1.1**
MW-4	3/29/2010	32.86	4.60	28.26	5.9	< 0.50 U	**140**	**< 0.50 U**	< 0.50 U	**10**	130	< 1.0 U	< 0.50 U	0.7	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	0.5	0.2
MW-4	10/1/2010	32.86	5.70	27.16	5.74	< 0.50 U	43.4	**< 0.50 U**	< 0.50 U	**6.78**	78	< 1.0 U	< 0.50 U	2.17	0.63 J	< 0.50 U	< 0.50 U	< 0.50 U	0.53	3.8	0.19
MW-4	3/4/2011	32.86	4.40	28.46	**7.81**	< 0.50 U	31.4	**< 0.50 U**	< 0.50 U	**5.42**	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	0.5	**70**
MW-4	9/23/2011	32.86	6.31	26.55	4	< 0.50 U	34.1	**< 0.50 U**	< 0.50 U	**5.24**	50	< 1.0 U	1.3	3.33	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	2.07	9.66	**1.46**
MW-4	3/8/2012	32.86	4.27	28.59	2.97	< 0.500 U	33.5	**< 0.500 U**	< 0.500 U	**7.02**	36.4	< 1.0 U	0.73	9.31	< 0.50 U	< 0.500 U	< 0.500 U	< 0.500 U	3.06	15.40	**2.99**

Table 2
Historical Groundwater Analytical Results – Indicator Hazardous Substances
Five-Year Review Report
Univar Solutions Facility
8201 South 212th Street
Kent, Washington

Sample Location	Sample Date	TOC	DTW	GWE	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dichloroethane	1,2-Dichloropropane	Benzene	Chloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	Methylene Chloride	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Toluene	Total Xylenes	Vinyl Chloride
MTCA Method B CULs					7.7	7	80	0.48	1.20	0.80	--	1.40	16	700	5	5	200	0.54	640	1,600	0.50
MTCA CUL Rationale					Method B Cancer	Federal MCL	Method B Noncancer	Method B Cancer	Method B Cancer	Method B Cancer	No CUL	Method B Cancer	Method B Cancer	Federal MCL	Federal MCL	Federal MCL	Federal MCL	Method B Cancer	Method B Noncancer	Method B Noncancer	See Notes
MW-4	10/1/2012	32.86	6.70	26.16	2.71	< 0.500 U	21.5	**< 0.500 U**	< 0.500 U	**4.72**	31.3	< 1.0 U	< 0.500 U	4.29	< 0.50 U	< 0.500 UJ	< 0.500 UJ	< 0.500 UJ	2.23	8.54	**2.19**
MW-4	3/6/2013	32.86	4.73	28.13	4.42	< 0.50 U	7.49	**< 0.50 U**	< 0.50 U	**6.43**	< 0.50 U	< 1.0 U	< 0.50	4.33	1.15	< 0.50 U	< 0.50 U	< 0.50 U	0.67	1.39	< 0.20 U
MW-4	9/26/2013	32.86	6.20	26.66	3.58	< 0.500 U	2.89	**< 0.500 U**	< 0.500 U	**7.77**	24.4 J	< 1.0 U	< 0.500 U	2.34	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	1.78	8	< 0.200 U
MW-4	3/25/2014	32.86	3.93	28.93	5.84	< 0.500 U	1.66	**< 0.500 U**	< 0.500 U	**5.66**	165	< 1.0 U	< 0.500 U	0.524	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	0.781	1.11	< 0.200 U
MW-4	9/23/2014	32.86	6.37	26.49	1.72	< 0.500 U	3.56	**< 0.500 U**	< 0.500 U	**6.35**	45.5	< 1.0 U	0.519	1.75	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	4.06	6.8	< 0.200 U
MW-4	3/17/2015	32.86	4.61	28.25	0.64 J	< 1.0 U	1.2 J	**< 0.50 U**	< 0.50 U	**5.4**	59	< 1.0 U	< 1.0 U	0.25 J	< 5.0 U	< 0.50 U	< 1.0 U	**< 1.0 U**	0.44 J	--	< 0.50 U
MW-4	9/17/2015	32.86	6.81	26.05	< 1.0 U	< 1.0 U	0.99 J	**< 0.50 U**	< 0.50 U	**6.2**	45.5	< 1.0 U	< 1.0 U	0.38 J	< 5.0 U	< 0.50 U	< 1.0 U	**< 1.0 U**	0.74 J	--	0.21 J
MW-4	3/14/2016	32.86	3.93	28.93	1.5	< 1.0 U	< 2.0 U	**< 0.50 U**	< 0.50 U	**3.6**	41.4	< 1.0 U	0.27 J	0.21 J	< 5.0 U	< 0.50 U	< 1.0 U	**< 1.0 U**	0.62 J	--	< 0.50 U
MW-4	9/14/2016	32.86	6.65	26.21	0.46 J	< 1.0 U	1.0 J	**< 0.50 U**	< 0.50 U	**6.9**	24.9	< 1.0 U	< 1.0 U	0.39 J	< 5.0 U	< 0.50 U	< 1.0 U	**< 1.0 U**	0.76 J	--	0.39 J
MW-4	3/9/2017	32.86	4.00	28.86	0.76	< 0.50 U	0.13 J	**< 0.50 U**	< 0.50 U	**3.0**	16.1	< 0.50 U	0.16 J	0.13 J	< 2.0 U	< 0.50 U	< 0.50 U	< 0.50 U	0.34 J	--	< 0.50 U
MW-4	9/21/2017	32.86	6.81	26.05	0.59 J	< 0.13 U	0.45 J	< 0.13 U	< 0.13 U	**6.5 J**	13.0 J	< 0.13 U	0.22 J	0.27 J	< 2.0 U	< 0.13 U	< 0.13 U	< 0.13 U	0.66 J	--	**0.52**
MW-4	3/21/2018	32.86	4.38	28.48	0.30 J-	< 0.50 UJ	0.20 J-	**< 0.50 UJ**	< 0.50 UJ	**2.9 J-**	6.7 J-	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	2.0 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	--	--	-- R
MW-4	9/13/2018	32.86	6.82	26.04	0.36 J	< 0.50 U	0.17 J-	**< 0.50 U**	< 0.50 U	**3.9**	13.5	< 0.50 U	< 0.50 U	0.23 J	< 2.0 U	< 0.50 U	< 0.50 U	< 0.50 U	0.45 J	--	0.49 J
MW-4	5/31/2019	32.86	4.87	27.99	0.20 J	< 0.50 U	0.20 J	**< 0.50 U**	< 0.50 U	**2.3**	21.8	< 0.50 U	< 0.50 U	0.24 J	< 2.0 U	< 0.50 U	< 0.50 U	< 0.50 U	0.17 J	0.14	0.26 J
MW-4	8/27/2019	32.86	5.93	26.93	0.29 J	< 0.50 U	0.47 J	**< 0.50 U**	< 0.50 U	**2.4**	30.0 J	< 0.50 U	< 0.50 U	0.25 J	< 2.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.26 U	0.37	< 0.50 U
MW-4	5/14/2020	32.82	4.24	28.58	0.25 J	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	**1.5**	6	< 0.50 U	< 0.50 U	0.15 J	< 2.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	< 0.50 U
MW-4	9/25/2020	32.82	6.15	26.67	0.15 J	< 0.50 U	0.31 J	**< 0.50 U**	< 0.50 U	**1.7**	9.5 J+	< 0.50 U	< 0.50 U	0.52	< 2.0 U	< 0.50 U	< 0.50 U	< 0.50 U	0.46 J	1.37 J	0.26 J
MW-4	6/23/2022	32.82	5.40	27.42	1.8	< 0.13 U	0.15	< 0.13 U	< 0.13 U	**0.96**	97.7^c	< 0.13 U	5.8	0.67	2.00 B	< 0.13 U	< 0.13 U	< 0.13 U	1.8	1.16	**26.5**
MW-5	9/4/1996	32.77	6.74	26.03	**< 25 UD**	**< 25 UD**	**< 100 UD**	**< 25 UD**	**< 25 UD**	**< 25 UD**	< 25 UD	**< 25 UD**	**34 D**	< 25 UD	**< 50 U**	**2600 D**	< 25 UD	**180 D**	< 25 UD	< 25 UD	**< 25 UD**
MW-5	12/10/1996	32.77	5.01	27.76	0.7	< 0.50 U	< 2.0 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	0.9	**28**	1	< 1.0 U	**3,400**	3.4	**130**	1.3 B	1.6 B	< 0.5 U
MW-5	12/10/1996 (DUP)	32.77	5.01	27.76	0.8	0.6	< 2.0 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	0.9	**34**	< 0.50 U	< 1.0 U	**3,300**	3.4	**130**	< 0.50 U	< 0.5 U	< 0.5 U
MW-5	3/4/1997	32.77	4.78	27.99	< 0.50 U	< 0.50 U	< 2.0 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	0.7	**21**	< 0.50 U	< 1.0 U	**3,100**	3.1	**100**	< 0.50 U	< 0.50 U	< 0.50 U
MW-5	6/27/1997	32.77	5.54	27.23	< 5.0 UJ	< 5.0 UJ	< 20 UJ	**< 5.0 UJ**	**< 5.0 UJ**	**< 5.0 UJ**	< 5.0 UJ	**< 5.0 UJ**	**32**	< 5.0 UJ	**< 10.0 U**	**4700 J**	< 5.0 UJ	**140 J**	< 5.0 UJ	< 5.0 UJ	< 5.0 UJ
MW-5	9/4/1997	32.77	6.29	26.48	< 0.50 U	< 0.50 U	< 2.0 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**30**	0.9	< 1.0 U	**4,800**	3.2	**150**	< 0.50 U	0.9	< 0.50 U
MW-5	12/4/1997	32.77	6.29	26.48	< 0.50 U	< 0.50 U	< 2.0 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	0.60	**18**	< 1.0 U	< 1.0 U	**4,400**	3	**120**	< 0.50 U	< 0.50 U	< 0.50 U
MW-5	3/6/1998	32.77	5.15	27.62	< 5.0 U	< 5.0 U	< 20.0 U	**< 5.0 U**	**< 5.0 U**	**< 5.0 U**	< 5.0 U	**< 5.0 U**	**30**	< 5.0 U	**< 10.0 U**	**4,000**	< 5.0 U	**140**	< 5.0 U	< 5.0 U	**< 5.0 U**
MW-5	6/18/1998	32.77	5.89	26.88	**< 12.0 U**	**< 12.0 U**	< 50.0 U	**< 12.0 U**	**< 12.0 U**	**< 12.0 U**	< 12.0 U	**< 12.0 U**	**28**	< 12.0 U	**< 25.0 U**	**4,100**	< 12.0 U	**130**	< 12.0 U	< 12.0 U	**< 12.0 U**
MW-5	9/29/1998	32.77	7.13	25.64	**< 10.0 U**	**< 10.0 U**	< 40.0 U	**< 10.0 U**	**< 10.0 U**	**< 10.0 U**	< 10.0 U	**< 10.0 U**	**25**	< 10.0 U	**< 20.0 U**	**3,800**	< 10.0 U	**130**	< 10.0 U	< 10.0 U	**< 10.0 U**
MW-5	12/15/1998	32.77	5.18	27.59	< 5.0 U	< 5.0 U	< 20.0 U	**< 5.0 U**	**< 5.0 U**	**< 5.0 U**	< 5.0 U	**< 5.0 U**	**34**	< 5.0 U	**< 10.0 U**	**3,300**	< 5.0 U	**120**	< 5.0 U	< 5.0 U	**< 5.0 U**
MW-5	3/2/1999	32.77	4.38	28.39	**< 12.0 U**	**< 12.0 U**	< 50.0 U	**< 12.0 U**	**< 12.0 U**	**< 12.0 U**	< 12.0 U	**< 12.0 U**	14	< 12.0 U	**< 25.0 U**	**4,400**	< 12.0 U	**96**	< 12.0 U	< 12.0 U	**< 12.0 U**
MW-5	6/16/1999	32.77	5.81	26.96	**< 10.0 U**	**< 10.0 U**	< 40.0 U	**< 10.0 U**	**< 10.0 U**	**< 10.0 U**	< 10.0 U	**< 10.0 U**	12	< 10.0 U	**< 100 U**	**3,400**	< 10.0 U	**110**	< 10.0 U	< 10.0 U	**< 10.0 U**
MW-5	9/16/1999	32.77	6.58	26.19	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.30 U	< 0.20 U	< 0.30 U	**3,000**	< 0.30 U	**120**	< 0.20 U	< 0.40 U	< 0.30 U
MW-5	9/16/1999 (DUP)	32.77	--	--	< 0.20 U	0.30 E	< 0.20 U	< 0.30 U	< 0.20 U	< 0.20 U	< 0.20 U	0.40 E	15	< 0.20 U	< 0.30 U	**2,500**	1.6	**94**	< 0.20 U	< 0.40 U	< 0.30 U
MW-5	12/8/1999	32.77	5.33	27.44	< 0.50 U	< 0.50 U	< 2.0 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**23**	< 0.50 U	< 1.0 U	**2600 J**	1.2	**120 J**	< 0.50 U	< 0.50 U	< 0.50 U
MW-5	3/7/2000	32.77	4.92	27.85	< 0.50 U	< 0.50 U	< 2.0 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**17**	< 0.50 U	< 1.0 U	**2,700**	1.3	**94**	< 0.50 U	< 0.50 U	< 0.50 U
MW-5	6/21/2000	32.77	5.31	27.46	< 5.0 U	< 6.0 U	< 8.0 U	**< 6.0 U**	**< 7.0 U**	**< 6.0 U**	< 9.0 U	**< 5.0 U**	6 J	< 5.0 U	**30 J**	**2,900**	< 6.0 U	**92**	< 5.0 U	< 14.0 U	**< 20.0 U**
MW-5	9/12/2000	32.77	6.84	25.93	< 1.0 U	< 1.0 U	< 1.0 U	**< 1.0 U**	< 1.0 U	**< 1.0 U**	< 1.0 U	< 1.0 U	11	< 1.0 U	**< 5.0 U**	**2,500**	< 1.0 U	**99**	< 1.0 U	< 3.0 U	**< 1.0 U**

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Sample Location	Sample Date	TOC	DTW	GWE	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dichloroethane	1,2-Dichloropropane	Benzene	Chloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	Methylene Chloride	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Toluene	Total Xylenes	Vinyl Chloride
MTCA Method B CULs					**7.7**	**7**	**80**	**0.48**	**1.20**	**0.80**	**--**	**1.40**	**16**	**700**	**5**	**5**	**200**	**0.54**	**640**	**1,600**	**0.50**
MTCA CUL Rationale					**Method B Cancer**	**Federal MCL**	**Method B Noncancer**	**Method B Cancer**	**Method B Cancer**	**Method B Cancer**	**No CUL**	**Method B Cancer**	**Method B Cancer**	**Federal MCL**	**Federal MCL**	**Federal MCL**	**Federal MCL**	**Method B Cancer**	**Method B Noncancer**	**Method B Noncancer**	**See Notes**
MW-5	12/7/2000	32.77	6.42	26.35	< 5.0 U	< 6.0 U	< 8.0 U	**< 6.0 U**	**< 7.0 U**	**< 6.0 U**	< 9.0 U	**< 5.0 U**	10.0 J	< 5.0 U	**< 10.0 U**	**2,600**	< 6.0 U	**88**	< 5.0 U	< 14.0 U	**< 20.0 U**
MW-5	3/15/2001	32.77	5.82	26.95	< 1.0 U	< 2.0 U	< 2.0 U	**< 2.0 U**	**< 2.0 U**	**< 2.0 U**	< 2.0 U	< 1.0 U	8.2	3.0 J	**5.0 J**	**2300 J**	< 2.0 U	**87**	< 1.0 U	2.0 J	**< 3.0 U**
MW-5	7/12/2001	32.77	6.22	26.55	< 0.91 U	< 1.20 U	< 1.50 U	**< 1.20 U**	**< 1.30 U**	**< 1.10 U**	< 1.80 U	< 0.96 U	5.4	< 0.98 U	< 2.0 U	**2,800**	< 1.20 U	**84**	< 0.98 U	< 1.90 U	**< 2.20 U**
MW-5	8/27/2001	32.77	6.67	26.10	< 5.0 U	< 5.0 U	--	**< 5.0 U**	**< 5.0 U**	**< 5.0 U**	< 5.0 U	**< 5.0 U**	7.4	< 5.0 U	**< 10.0 U**	**1,800**	< 5.0 U	**68**	< 5.0 U	< 5.0 U	**< 5.0 U**
MW-5	9/24/2001	32.77	6.98	25.79	< 5.0 U	< 5.0 U	--	**< 5.0 U**	**< 5.0 U**	**< 5.0 U**	**< 5.0 U**	**< 5.0 U**	< 5.0 U	< 5.0 U	**< 10.0 U**	**1,800**	< 5.0 U	**74**	< 5.0 U	< 5.0 U	**< 5.0 U**
MW-5	10/22/2001	32.77	6.94	25.83	< 5.0 U	< 5.0 U	--	**< 5.0 U**	**< 5.0 U**	**< 5.0 U**	**< 5.0 U**	**< 5.0 U**	7.1	< 5.0 U	**< 10.0 U**	**1,600**	< 5.0 U	**76**	< 5.0 U	< 5.0 U	**< 5.0 U**
MW-5	11/19/2001	32.77	6.31	26.46	< 5.0 U	< 5.0 U	--	**< 5.0 U**	**< 5.0 U**	**< 5.0 U**	**< 5.0 U**	**< 5.0 U**	12	< 5.0 U	**< 10.0 U**	**2,000**	< 5.0 U	**75**	< 5.0 U	< 5.0 U	**< 5.0 U**
MW-5	1/2/2002	32.77	5.14	27.63	0.8 J	< 0.60 U	< 0.71 U	**< 0.57 U**	< 0.62 U	< 0.53 U	< 1.20 U	< 0.48 U	7.4	< 0.49 U	< 0.97 U	**1,600**	0.90 J	**69**	< 0.49 U	< 0.93 U	**< 1.10 U**
MW-5	3/27/2002	32.77	5.05	27.72	< 0.91 U	< 1.20 U	< 1.50 U	**< 1.20 U**	**< 1.30 U**	**< 1.10 U**	< 2.30 U	< 0.96 U	2.90 J	< 1.30 U	< 2.0 U	**2,500**	< 1.20 U	**70**	< 0.98 U	< 2.20 U	**< 2.20 U**
MW-5	6/11/2002	32.77	5.75	27.02	< 0.46 U	< 0.60 U	< 0.71 U	**< 0.57 U**	< 0.62 U	< 0.53 U	< 1.20 U	< 0.48 U	2.20 J	< 0.65 U	< 0.97 U	**2,100**	0.75 J	**63**	< 0.49 U	< 1.50 U	**< 1.10 U**
MW-5	9/18/2002	32.77	6.98	25.79	< 0.91 U	< 1.20 U	< 1.50 U	**< 1.20 U**	< 0.76 U	**< 1.10 U**	< 2.30 U	< 0.96 U	3.70 J	< 1.30 U	4.0 J	**2,600**	< 1.20 U	**76**	< 0.98 U	< 2.20 U	**< 2.20 U**
MW-5	12/16/2002	32.77	6.31	26.46	< 5.0 U	< 5.0 U	< 20.0 U	**< 5.0 U**	**< 5.0 U**	**< 5.0 U**	**< 5.0 U**	**< 5.0 U**	7.2	< 5.0 U	**< 20.0 U**	**2,200**	< 5.0 U	**82**	< 5.0 U	< 5.0 U	**< 5.0 U**
MW-5	3/17/2003	32.77	5.31	27.46	< 0.46 U	< 0.60 U	< 0.71 U	**< 0.57 U**	< 0.62 U	< 0.53 U	< 1.20 U	< 0.48 U	7.6	< 0.65 U	1.10 J	**1,500**	< 0.60 J	**57**	< 0.49 U	< 1.10 U	**< 1.10 U**
MW-5	6/10/2003	32.77	6.08	26.69	< 0.91 U	< 1.20 U	< 1.50 U	**< 1.20 U**	**< 1.30 U**	**< 1.10 U**	< 2.30 U	< 0.98 U	1.4 J	< 1.30 U	< 2.0 U	**2,200**	< 1.20 U	**57**	< 0.98 U	< 2.20 U	**< 2.20 U**
MW-5	9/11/2003	32.77	7.39	25.38	< 0.46 U	< 0.60 U	< 0.71 U	**< 0.57 U**	< 0.62 U	< 0.53 U	< 1.20 U	< 0.48 U	1.50 J	< 0.65 U	< 0.97 U	**2,400**	< 0.57 U	**86**	< 0.49 U	< 1.10 U	**< 1.10 U**
MW-5	12/5/2003	32.77	5.70	27.07	< 0.46 U	< 0.60 U	< 0.71 U	**< 0.57 U**	< 0.62 U	< 0.53 U	< 1.20 U	< 0.48 U	5	< 0.65 U	< 0.97 U	**1,600**	< 0.57 U	**76**	< 0.49 U	< 1.10 U	**< 1.10 U**
MW-5	3/16/2004	32.77	5.39	27.38	< 0.46 U	< 0.60 U	< 0.71 U	**< 0.57 U**	< 0.62 U	< 0.53 U	< 1.20 U	< 0.48 U	0.80 J	< 0.65 U	< 0.97 U	**1,700**	< 0.70 U	**47**	< 0.49 U	< 1.10 U	**< 1.10 U**
MW-5	9/22/2004	32.60	6.44	26.16	< 0.46 U	< 0.60 U	< 0.71 U	**< 0.57 U**	< 0.62 U	< 0.53 U	< 1.20 U	< 0.48 U	1.20 J	< 0.65 U	< 0.97 U	**2,200**	0.85 J	**57**	< 0.49 U	< 1.10 U	**< 1.10 U**
MW-5	4/4/2005	32.60	5.34	27.26	< 0.26 U	< 0.31 U	< 0.36 U	< 0.29 U	< 0.35 U	< 0.34 U	< 0.57 U	< 0.34 U	1.5	< 0.33 U	<0.49 U	**1,300**	0.43 J	**45**	0.28 J	< 0.55 U	**< 0.53 U**
MW-5	9/20/2005	32.60	6.99	25.61	< 0.11 U	< 0.13 U	< 0.15 U	< 0.12 U	< 0.14 U	< 0.14 U	< 0.23 U	< 0.14 U	2	< 0.13 U	<0.20 U	**1,300**	0.53	**48**	0.32 J	< 0.22 U	< 0.042 U
MW-5	3/14/2006	32.60	5.04	27.56	< 0.51 U	< 0.61 U	< 0.71 U	**< 0.57 U**	< 0.70 U	< 0.68 U	< 1.2 U	< 0.68 U	3.1	< 0.65 U	< 0.97 U	**1,300**	0.58 U	**47**	< 0.54 U	< 1.10 U	< 0.21 U
MW-5	9/13/2006	32.60	7.25	25.35	< 0.51 U	< 0.61 U	< 0.71 U	**< 0.57 U**	< 0.70 U	< 0.68 U	< 1.2 U	< 0.68 U	3.6	< 0.65 U	< 0.97 U	**1,600**	0.58 U	**59**	< 0.54 U	< 1.10 U	< 0.21 U
MW-5	4/5/2007	32.60	5.01	27.59	< 0.51 U	< 0.61 U	< 0.71 U	**< 0.57 U**	< 0.70 U	< 0.68 U	< 1.2 U	< 0.68 U	4.5	< 0.65 U	1.2 J	**1,200**	0.58 U	**43**	< 0.54 U	< 1.10 U	< 0.21 U
MW-5	9/26/2007	32.60	7.01	25.59	< 0.51 U	< 0.61 U	< 0.71 U	**< 0.57 U**	< 0.70 U	< 0.68 U	< 1.2 U	< 0.68 U	6.7	< 0.65 U	< 0.97 U	**1,300**	0.58 U	**49**	< 0.54 U	< 1.10 U	< 0.21 U
MW-5	5/1/2008	32.60	5.50	27.10	< 0.11 U	0.28 JD	< 0.09 U	< 0.20 U	< 0.11 U	< 0.12 U	< 0.33 U	< 0.11 U	6.1	< 0.11 U	< 0.58 U	**990**	0.28 J	**37**	0.13 JD	< 0.29 U	< 0.18 U
MW-5	9/30/2008	32.60	6.71	25.89	< 0.21 U	< 0.5 U	< 0.19 U	< 0.37 U	< 0.21 U	< 0.23 U	< 0.65 U	< 0.21 U	8.1	0.21 U	< 1.20 U	**1,500**	0.25 J	**46**	0.25 JB	0.39 U	0.36 U
MW-5	3/25/2009	32.60	5.39	27.21	**< 10.0 U**	**< 10.0 U**	< 10.0 U	**< 10.0 U**	**< 10.0 U**	**< 10.0 U**	< 10.0 U	**< 20.0 U**	5.40 J	< 10.0 U	**< 10.0 U**	**1,200**	< 10.0 U	**27**	< 10.0 U	< 10.0 U	**< 4.0 U**
MW-5	9/29/2009	32.60	6.80	25.80	< 5.0 U	< 5.0 U	< 5.0 U	**< 5.0 U**	**< 5.0 U**	**< 5.0 U**	< 5.0 U	**< 10.0 U**	4.60 J	< 5.0 U	< 5.0 U	**850**	< 5.0 U	**31 J**	< 5.0 U	< 5.0 U	**< 2.0 U**
MW-5	9/29/2009 (DUP)	32.60	6.80	25.80	< 5.0 UJ	< 5.0 UJ	< 5.0 UJ	**< 5.0 UJ**	**< 5.0 UJ**	**< 5.0 UJ**	< 5.0 UJ	**< 10.0 UJ**	6.0 J	< 5.0 UJ	< 5.0 UJ	**900**	< 5.0 UJ	**48 J**	< 5.0 UJ	< 5.0 UJ	**< 2.0 UJ**
MW-5	4/1/2010	32.60	--	--	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	3.9	< 0.5 U	< 0.5 U	**340**	< 0.5 U	**42**	< 0.50 U	< 0.50 U	< 0.20 U
MW-5	4/1/2010 (DUP)	32.60	--	--	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	3.9	< 0.5 U	< 0.5 U	**270**	< 0.5 U	**44**	< 0.50 U	< 0.50 U	< 0.20 U
MW-5	4/9/2010	32.60	5.91	26.69	**< 10.0 U**	**< 10.0 U**	< 10.0 U	**< 10.0 U**	**< 10.0 U**	**< 10.0 U**	< 10.0 U	**< 20.0 U**	< 10.0 U	< 10.0 U	**< 10.0 U**	**1,100**	< 10.0 U	**35**	< 10.0 U	< 10.0 U	**< 4.0 U**
MW-5	4/16/2010	32.60	--	--	**< 10.0 U**	**< 10.0 U**	< 10.0 U	**< 10.0 U**	**< 10.0 U**	**< 10.0 U**	< 10.0 U	**< 20.0 U**	5.0 J	< 10 U	**< 10.0 U**	**780**	< 10.0 U	**42**	< 10.0 U	< 10.0 U	**< 4.0 U**
MW-5	5/6/2010	32.60	6.02	26.58	**< 10.0 U**	**< 10.0 U**	< 10.0 U	**< 10.0 U**	**< 10.0 U**	**< 10.0 U**	< 10.0 U	**< 20.0 U**	3.2 J	< 10 U	**< 10.0 U**	**640**	< 10.0 U	**36**	< 10.0 U	< 10.0 U	**< 2.0 U**
MW-5	6/9/2010	32.60	--	--	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	3.2	< 0.50 U	< 0.50 U	**670**	< 0.50 U	**33**	< 0.50 U	< 0.50 U	< 0.20 U
MW-5	7/6/2010	32.60	--	--	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	4.6	< 0.50 U	< 0.50 U	**640**	< 0.50 U	**31**	< 0.50 U	< 0.50 U	< 0.20 U
MW-5	7/6/2010	32.60	5.79	26.81	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	4.6	< 0.50 U	< 0.50 U	**640**	< 0.50 U	**31**	< 0.50 U	< 0.50 U	< 0.20 U
MW-5	9/28/2010	32.60	5.95	26.65	**< 10.0 U**	**< 10.0 U**	< 10.0 U	**< 10.0 U**	**< 10.0 U**	**< 10.0 U**	< 10.0 U	**< 20.0 U**	< 5.0 U	< 10.0 U	**< 10.0 U**	**514**	< 10.0 U	**22.6**	< 10.0 U	< 10.0 U	**< 2.0 UJ**

Table 2
Historical Groundwater Analytical Results – Indicator Hazardous Substances
Five-Year Review Report
Univar Solutions Facility
8201 South 212th Street
Kent, Washington

Sample Location	Sample Date	TOC	DTW	GWE	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dichloroethane	1,2-Dichloropropane	Benzene	Chloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	Methylene Chloride	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Toluene	Total Xylenes	Vinyl Chloride
MTCA Method B CULs					7.7	7	80	0.48	1.20	0.80	--	1.40	16	700	5	5	200	0.54	640	1,600	0.50
MTCA CUL Rationale					Method B Cancer	Federal MCL	Method B Noncancer	Method B Cancer	Method B Cancer	Method B Cancer	No CUL	Method B Cancer	Method B Cancer	Federal MCL	Federal MCL	Federal MCL	Federal MCL	Method B Cancer	Method B Noncancer	Method B Noncancer	See Notes
MW-5	9/28/2010 (DUP)	32.60	5.95	26.65	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	2.43	< 0.5 U	< 0.5 U	**514**	< 0.50 U	**21.7**	< 0.50 U	< 0.50 U	< 0.20 UJ
MW-5	3/3/2011	32.60	4.69	27.91	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	2.12	< 0.50 U	< 0.50 U	**607**	< 0.50 U	**30.2**	< 0.50 U	0.55	< 0.20 U
MW-5	6/22/2011	32.60	5.30	27.30	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	1.31	< 0.50 U	< 0.50 U	**386**	< 0.50 U	**16.3**	< 0.50 U	< 0.50 U	< 0.20 U
MW-5	9/22/2011	32.60	6.71	25.89	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	7.28	< 0.50 U	< 0.50 U	**682 J**	< 0.50 U	**30.2**	< 0.50 U	< 0.50 U	**0.59**
MW-5	12/7/2011	32.60	5.91	26.69	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	4.11	< 0.50 U	< 0.50 U	**831**	< 0.50 U	**30.7**	< 0.50 U	< 0.50 U	0.47
MW-5	3/7/2012	32.60	4.89	27.71	< 0.500 U	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 1.00 U	**52**	< 0.500 U	< 0.500 U	**326**	< 0.500 U	**27**	< 0.500 U	< 0.500 U	**0.81**
MW-5	6/26/2012	32.60	5.27	27.33	< 0.500 U	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 1.00 U	**50**	< 0.500 U	< 0.500 U	**316**	< 0.500 U	**37.9**	< 0.500 U	< 0.500 U	**1.4**
MW-5	9/27/2012	32.60	7.03	25.57	< 0.500 U	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 1.00 U	**96**	< 0.500 U	< 0.500 U	**479**	< 0.500 U	**62**	< 0.500 U	< 0.500 U	**1.55**
MW-5	12/19/2012	32.60	4.92	27.68	< 0.500 U	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 1.00 U	**530**	< 0.500 U	< 0.500 U	**18.4**	< 0.500 U	**5.22**	< 0.500 U	< 0.500 U	**3.35**
MW-5	3/6/2013	32.60	5.22	27.38	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	**286**	< 0.50 U	< 0.50 U	**106**	< 0.50 U	**55**	< 0.500 U	< 0.50 U	**4.57 J**
MW-5	3/6/2013 (DUP)	32.60	5.22	27.38	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	**293**	< 0.50 U	< 0.50 U	**105**	< 0.50 U	**55**	0.95	< 0.50 U	**3.30 J**
MW-5	6/6/2013	32.60	5.56	27.04	< 0.500 U	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 1.00 U	**291**	< 0.500 U	< 0.500 U	**205**	< 0.500 U	**105**	< 0.500 U	< 0.500 U	**3.69**
MW-5	9/26/2013	32.60	6.51	26.09	< 0.500 U	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 1.00 U	**209**	< 0.500 U	< 0.500 U	**297**	< 0.500 U	**273**	< 0.500 U	< 0.500 U	**2.67**
MW-5	9/26/2013 (DUP)	32.60	6.51	26.09	< 0.500 U	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 1.00 U	**203**	< 0.500 U	< 0.500 U	**330**	< 0.500 U	**251**	< 0.500 U	1.27	**2.12**
MW-5	3/25/2014	32.60	4.52	28.08	< 0.500 U	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 1.00 U	**453**	< 0.500 U	< 0.500 U	**86.8**	< 0.500 U	**14.9**	< 0.500 U	< 0.500 U	**10.1**
MW-5	9/23/2014	32.60	6.80	25.80	< 0.500 U	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	2.43	< 1.00 U	**392**	< 0.500 U	< 0.500 U	**217**	< 0.500 U	**32.5**	< 0.500 U	< 0.500 U	**5.5**
MW-5	3/16/2015	32.60	4.74	27.86	< 5.0 U	< 5.0 U	< 10.0 U	**< 2.50 U**	**< 2.50 U**	**< 2.50 U**	< 5.0 U	**< 5.0 U**	**256**	< 5.0 U	**< 25.0 U**	**60**	< 5.0 U	**35.8**	< 5.0 U	< 0.50 U	**1.9 J**
MW-5	9/15/2015	32.60	7.11	25.49	< 10.0 U	< 10.0 U	< 20.0 U	**< 5.0 U**	**< 5.0 U**	**< 5.0 U**	< 10 U	**< 10.0 U**	**35.4**	< 10.0 U	**< 50.0 U**	**335**	< 10.0 U	**37**	< 10.0 U	< 10.0 U	**< 5.0 U**
MW-5	3/15/2016	32.60	4.23	28.37	< 1.0 U	< 1.0 U	< 2.0 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 1.0 U	< 1.0 U	**34.8**	< 1.0 U	< 5.0 U	**196**	< 1.0 U	**33.4**	< 1.0 U	<1.0 U	**1.2**
MW-5	9/14/2016	32.60	6.92	25.68	< 1.0 U	0.34 J	< 2.0 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 1.0 U	< 1.0 U	**89**	< 1.0 U	< 5.0 U	**245**	< 1.0 U	**88**	< 1.0 U	<1.0 U	**2**
MW-5	3/6/2017	32.60	4.44	28.16	< 5.0 U	< 5.0 U	< 5.0 U	**< 5.0 U**	**< 5.0 U**	**< 5.0 U**	< 5.0 U	**< 5.0 U**	7.4	< 5.0 U	**10.20 J**	**187**	< 5.0 U	**18.8**	< 5.0 U	< 10 U	**< 5.0 U**
MW-5	9/20/2017	32.60	6.90	25.70	< 0.13 U	0.36 J	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.20 U	< 0.13 U	**109**	< 0.13 U	< 2.0 U	**219**	< 0.13 U	**85**	< 0.13 U	<1.0 U	0.42 J
MW-5	3/20/2018	32.60	5.18	27.42	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	**< 0.50 UJ**	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	10.10 J-	< 0.50 UJ	< 2.0 UJ	**425 J-**	< 0.50 UJ	**33.8 J-**	< 0.50 UJ	<1.0 U	< 0.50 UJ
MW-5	9/11/2018	32.60	6.98	25.62	< 2.50 U	< 2.50 U	< 2.50 U	**< 2.50 U**	**< 2.50 U**	**< 2.50 U**	< 2.50 U	**< 2.50 U**	**43.2**	< 2.50 U	**< 10 U**	**188**	< 2.50 U	**58**	< 2.50 U	< 5.0 U	**< 2.50 U**
MW-5	5/30/2019	32.60	--	--	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**18.7**	< 0.50 U	< 2.0 U	**76.4 J-**	< 0.50 U	**34.7**	< 0.50 U	< 1.0 U	< 0.50 U
MW-5	8/27/2019	32.60	--	--	< 2.50 U	< 2.50 U	< 2.50 U	**< 2.50 U**	**< 2.50 U**	**< 2.50 U**	< 2.50 U	**< 2.50 U**	**34.2**	< 2.50 U	**6.40 J**	**118**	< 2.50 U	**37.9**	< 2.50 U	< 5.0 U	**< 2.50 U**
MW-5	5/13/2020	32.57	--	--	< 1.30 U	< 1.30 U	< 1.30 U	**< 1.30 U**	**< 1.30 U**	**< 1.30 U**	< 1.30 U	< 1.30 U	**50**	< 1.30 U	**< 5.0 U**	**95.4**	< 1.30 U	**45.8**	< 1.30 U	< 2.50 U	**< 1.30 U**
MW-5	9/25/2020	32.57	--	--	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ	**< 1.0 UJ**	< 1.0 UJ	**< 1.0 UJ**	< 1.0 UJ	< 1.0 UJ	**72.3 J-**	0.32 J -	3.30 J-	**72.5 J -**	< 1.0 UJ	**24.4 J -**	< 1.0 UJ	1.4 J -	**< 1.0 UJ**
MW-5	6/23/2022	32.57	--	--	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.20 U	< 0.13 U	**25.9**	< 0.13 U	< 1.0 U	**60.1^e**	< 0.13 U	**8.1**	< 0.13 U	< 0.13 U	< 0.13 U
MW-6	9/4/1996	33.33	6.26	27.07	**12**	< 0.50 U	< 2.0 U	**3.2**	< 0.5 U	**1.7**	460	< 0.50 U	0.6	< 0.50 U	2 B	< 0.50 U	< 0.50 U	< 0.50 U	31	< 0.50 U	< 0.50 U
MW-6	12/10/1996	33.33	5.08	28.25	**13**	< 0.50 U	< 2.0 U	**2.1**	< 0.50 U	**1.2**	240	< 0.50 U	0.7	< 0.50 U	1 B	< 0.50 U	< 0.50 U	< 0.50 U	26	< 0.50 U	< 0.50 U
MW-6	3/4/1997	33.33	4.42	28.91	**12**	< 0.50 U	< 2.0 U	**1.4**	< 0.50 U	0.7	190 J	< 0.50 U	0.5	< 0.50 U	< 1.0 U	< 1.0 U	< 0.50 U	< 0.50 U	5	< 0.50 U	< 0.50 U
MW-6	6/27/1997	33.33	5.05	28.28	**13**	< 0.50 U	< 2.0 U	**2.2**	< 0.50 U	**1.2**	370	< 0.50 U	0.9	< 0.50 U	< 1.0 U	< 1.0 U	< 0.50 U	< 0.50 U	7.3	< 0.50 U	< 0.50 U
MW-6	9/4/1997	33.33	5.87	27.46	**9.5**	< 0.50 U	< 2.0 U	**2.4**	< 0.50 U	**1.6**	320	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	2.7	< 0.50 U	< 0.50 U	13	0.5	< 0.50 U
MW-6	12/4/1997	33.33	5.87	27.46	**9.1**	< 0.50 U	< 2.0 U	**1.4**	< 0.50 U	0.7	180	< 0.50 U	0.6	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	< 0.50 U	4.9	< 0.50 U	< 0.50 U
MW-6	3/6/1998	33.33	4.57	28.76	**11**	< 0.50 U	< 2.0 U	**1.8**	< 0.50 U	**1.10 B**	150	< 0.50 U	0.6	< 0.50 U	2.5 B	< 0.50 U	< 0.50 U	< 0.50 U	9.40 B	< 0.50 U	< 0.50 U
MW-6	6/18/1998	33.33	5.48	27.85	**12**	< 0.50 U	< 2.0 U	**2.6**	< 0.50 U	**1.70 B**	190	< 0.50 U	0.8	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	< 0.50 U	11 B	< 0.50 U	< 0.50 U

Table 2
Historical Groundwater Analytical Results – Indicator Hazardous Substances
Five-Year Review Report
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8201 South 212th Street
Kent, Washington

Sample Location	Sample Date	TOC	DTW	GWE	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dichloroethane	1,2-Dichloropropane	Benzene	Chloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	Methylene Chloride	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Toluene	Total Xylenes	Vinyl Chloride
MTCA Method B CULs					**7.7**	**7**	**80**	**0.48**	**1.20**	**0.80**	**--**	**1.40**	**16**	**700**	**5**	**5**	**200**	**0.54**	**640**	**1,600**	**0.50**
MTCA CUL Rationale					**Method B Cancer**	**Federal MCL**	**Method B Noncancer**	**Method B Cancer**	**Method B Cancer**	**Method B Cancer**	**No CUL**	**Method B Cancer**	**Method B Cancer**	**Federal MCL**	**Federal MCL**	**Federal MCL**	**Federal MCL**	**Method B Cancer**	**Method B Noncancer**	**Method B Noncancer**	**See Notes**
MW-6	9/29/1998	33.33	6.87	26.46	**10**	< 0.50 U	< 2.0 U	**2.1**	< 0.50 U	**1.5**	190 E	< 0.50 U	0.7	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	< 0.50 U	8.9	< 0.50 U	< 0.50 U
MW-6	12/15/1998	33.33	5.15	28.18	**9.9**	< 0.50 U	< 2.0 U	**0.9**	< 0.50 U	< 0.50 U	110	< 0.50 U	0.6	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	< 0.50 U	3.70 B	< 0.50 U	< 0.50 U
MW-6	3/2/1999	33.33	3.64	29.69	**10**	< 0.50 U	< 2.0 U	**0.9**	< 0.50 U	< 0.50 U	180	< 0.50 U	0.6	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	< 0.50 U	3.20 B	< 0.50 U	< 0.50 U
MW-6	3/2/1999 (DUP)	33.33	3.64	29.69	**9.5**	< 0.50 U	< 2.0 U	**0.8**	< 0.50 U	< 0.50 U	170	< 0.50 U	0.6	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	< 0.50 U	3.10 B	< 0.50 U	< 0.50 U
MW-6	6/16/1999	33.33	5.04	28.29	7.4	< 0.50 U	< 2.0 U	**< 0.50 U**	0.90	0.50 B	100	< 0.50 U	0.5	< 0.50 U	< 5.0 U	< 0.50 U	< 0.50 U	< 0.50 U	2.30 B	< 0.50 U	< 0.50 U
MW-6	9/16/1999	33.33	6.03	27.30	7.5	< 0.50 U	< 0.20 U	**0.8**	< 0.20 U	0.50 E	81	< 0.20 U	0.5	< 0.20 U	< 0.30 U	< 0.20 U	< 0.30 U	< 0.30 U	2.30 E	< 0.40 U	< 0.30 U
MW-6	12/8/1999	33.33	4.82	28.51	7.2	< 0.50 U	< 2.0 U	**0.7**	< 0.50 U	< 0.50 U	73.0 J	< 0.50 U	0.6	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	< 0.50 U	1.5	< 0.50 U	< 0.50 U
MW-6	3/7/2000	33.33	4.44	28.89	6.9	< 0.50 U	< 2.0 U	**0.8**	< 0.50 U	< 0.50 U	72	< 0.50 U	0.5	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	< 0.50 U	1.8	< 0.50 U	< 0.50 U
MW-6	6/21/2000	33.33	5.08	28.25	6.6	< 0.20 U	< 0.20 U	0.40 J	< 0.20 U	< 0.20 U	29	< 0.10 U	0.30 J	0.78	< 0.20 U	2.6	< 0.20 U	0.30 J	0.7	0.70 J	< 0.30 U
MW-6	9/12/2000	33.33	6.24	27.09	5	< 1.0 U	< 1.0 U	**< 1.0 U**	< 1.0 U	**< 1.0 U**	53	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U	< 1.0 U	**< 1.0 U**	< 1.0 U	< 3.0 U	**< 1.0 U**
MW-6	12/7/2000	33.33	5.85	27.48	5.8	< 0.20 U	< 0.20 U	**0.50 J**	< 0.20 U	< 0.40 J	52.0 J	< 0.10 U	0.51	< 0.10 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	1.60 B	< 0.20 U	< 0.30 U
MW-6	3/15/2001	33.33	5.25	28.08	6.0 J	< 0.20 U	< 0.20 U	**0.64**	< 0.20 U	< 0.30 J	54	< 0.10 U	0.40 J	< 0.10 U	< 0.40 U	< 0.20 U	< 0.20 U	< 0.20 U	1.6	< 0.20 U	< 0.30 U
MW-6	7/12/2001	33.33	5.61	27.72	4.8	< 0.12 U	< 0.15 U	0.40 J	< 0.13 U	0.25 J	29	< 0.096 U	0.30 J	0.098	< 0.20 U	< 0.11 U	< 0.12 U	< 0.12 U	0.83	< 0.19 U	< 0.22 U
MW-6	9/25/2001	33.33	6.35	26.98	5.9	< 0.50 U	< 2.0 U	**0.53**	< 0.50 U	< 0.50 U	47	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	< 0.50 U	1.2	< 0.50 U	< 0.50 U
MW-6	1/3/2002	33.33	4.52	28.81	5.3	< 0.12 U	< 0.15 U	**0.62**	< 0.13 U	< 0.11 U	44	< 0.096 U	0.33 J	< 0.098 U	< 0.20 U	< 0.11 U	< 0.12 U	< 0.12 U	1.40 B	< 0.19 U	< 0.22 U
MW-6	3/27/2002	33.33	4.00	29.33	5.1	< 0.12 U	< 0.15 U	**0.78**	< 0.13 U	0.43 J	63	< 0.096 U	0.38 J	< 0.13 U	0.29 J	< 0.11 U	< 0.12 U	< 0.12 U	1.2	< 0.22 U	< 0.22 U
MW-6	6/14/2002	33.33	6.39	26.94	3.4	< 0.12 U	< 0.15 U	0.15 J	< 0.13 U	< 0.11 U	11	< 0.096 U	0.22 J	< 0.13 U	< 0.20 U	< 0.11 U	< 0.12 U	< 0.12 U	0.37 J	< 0.22 U	< 0.22 U
MW-6	9/18/2002	33.33	6.39	26.94	4.9	< 0.12 U	< 0.15 U	**0.52**	< 0.13 U	0.5	36	< 0.096 U	0.40 J	< 0.13 U	< 0.20 U	< 0.11 U	< 0.12 U	< 0.12 U	1.2	< 0.22 U	< 0.22 U
MW-6	12/16/2002	33.33	6.27	27.06	4.6	< 0.50 U	< 2.0 U	**0.76**	< 0.50 U	0.58	51	< 0.50 U	< 0.50 U	< 0.50 U	< 2.0 U	< 0.50 U	< 0.50 U	< 0.50 U	1.2	< 0.50 U	< 0.50 U
MW-6	3/20/2003	33.33	4.67	28.66	3.4	< 0.50 U	< 2.0 U	**< 0.50 U**	< 0.50 U	< 0.50 U	31	< 0.50 U	< 0.50 U	< 0.50 U	< 2.0 U	< 0.50 U	< 0.50 U	< 0.50 U	0.6	< 0.50 U	< 0.50 U
MW-6	6/11/2003	33.33	5.65	27.68	2.7	< 0.12 U	0.15	< 0.12 U	< 0.13 U	< 0.11 U	0.72	< 0.096 U	0.13 J	< 0.13 U	< 0.20 U	< 0.11 U	< 0.12 U	< 0.12 U	0.8 B	< 0.22 U	< 0.22 U
MW-6	9/10/2003	33.33	7.90	25.43	3.4	< 0.12 U	< 0.15 U	< 0.12 U	< 0.13 U	0.20 JB	4.9	< 0.096 U	0.20 J	< 0.13 U	< 0.20 U	< 0.11 U	< 0.12 U	< 0.12 U	0.59 B	< 0.22 U	< 0.22 U
MW-6	12/4/2003	33.33	5.91	27.42	3.2	< 0.12 U	< 0.15 U	0.34 J	< 0.13 U	0.23 J	13	< 0.096 U	0.26 J	< 0.13 U	< 0.20 U	< 0.11 U	< 0.12 U	< 0.12 U	0.45 J	< 0.22 U	< 0.22 U
MW-6	3/16/2004	33.33	5.33	28.00	1.5	< 0.12 U	< 0.15 U	< 0.12 U	< 0.13 U	< 0.11 U	2.2	< 0.096 U	0.13 J	< 0.13 U	< 0.20 U	< 0.11 U	< 0.12 U	< 0.12 U	0.16 J	< 0.22 U	< 0.22 U
MW-6	9/23/2004	33.05	7.27	25.78	3.6	< 0.12 U	< 0.15 U	**0.57**	< 0.13 U	0.31 J	19	< 0.096 U	0.34 J	< 0.13 U	< 0.20 U	< 0.11 U	< 0.12 U	< 0.12 U	0.73	< 0.22 U	< 0.22 U
MW-6	4/5/2005	33.05	5.74	27.31	1.3	< 0.13 U	< 0.15 U	< 0.12 U	< 0.14 U	< 0.14 U	0.72	< 0.14 U	< 0.12 U	< 0.13 U	< 0.20 U	< 0.13 U	< 0.12 U	< 0.14 U	0.40 J	< 0.22 U	< 0.22 U
MW-6	9/21/2005	33.05	7.72	25.33	3.8	< 0.13 U	< 0.15 U	0.44 J	< 0.14 U	0.31 J	12	< 0.14 U	0.31 J	< 0.13 U	< 0.20 U	< 0.13 U	< 0.12 U	< 0.14 U	0.54	< 0.22 U	< 0.042 U
MW-6	3/14/2006	33.05	5.20	27.85	0.74	< 0.13 U	< 0.15 U	< 0.12 U	< 0.14 U	< 0.14 U	< 0.23 U	< 0.14 U	< 0.12 U	< 0.13 U	< 0.20 U	< 0.13 U	< 0.12 U	< 0.14 U	0.13 J	< 0.22 U	< 0.042 U
MW-6	3/14/2006	33.05	5.20	27.85	0.73	< 0.13 U	< 0.15 U	< 0.12 U	< 0.14 U	< 0.14 U	< 0.23 U	< 0.14 U	< 0.12 U	< 0.13 U	< 0.20 U	< 0.13 U	< 0.12 U	< 0.14 U	< 0.11 U	< 0.22 U	< 0.042 U
MW-6	9/13/2006	33.05	8.00	25.05	3.3	< 0.13 U	< 0.15 U	0.46 J	< 0.14 U	0.27 J	10	< 0.14 U	0.31 J	< 0.13 U	< 0.20 U	< 0.13 U	< 0.12 U	< 0.14 U	0.17 J	< 0.22 U	< 0.042 U
MW-6	4/5/2007	33.05	4.89	28.16	0.39 J	< 0.13 U	< 0.15 U	< 0.12 U	< 0.14 U	< 0.14 U	< 0.23 U	< 0.14 U	< 0.12 U	< 0.13 U	< 0.20 U	< 0.13 U	< 0.12 U	0.15 J	< 0.11 U	< 0.22 U	< 0.042 U
MW-6	9/26/2007	33.05	7.87	25.18	2.4	< 0.13 U	< 0.15 U	0.25 J	< 0.14 U	0.21 J	1.3	< 0.14 U	0.23 J	< 0.13 U	< 0.20 U	< 0.13 U	< 0.12 U	< 0.14 U	0.14 J	< 0.22 U	< 0.042 U
MW-6	5/2/2008	33.05	5.75	27.30	0.34 J	< 0.10 U	< 0.04 U	< 0.07 U	< 0.04 U	0.05 J	< 0.13 U	< 0.04 U	0.10 J	< 0.04 U	< 0.20 U	< 0.077 U	< 0.05 U	< 0.06 U	0.11 J	< 0.12 U	< 0.07 U
MW-6	9/30/2008	33.05	7.64	25.41	1.8	< 0.10 U	< 0.037 U	0.21 J	< 0.042 U	0.2 J	1.3	< 0.042 U	0.19 J	0.05 J	< 0.23 U	< 0.077 U	< 0.05 U	0.07 J	0.32 JB	0.21 J	< 0.071 U
MW-6	3/26/2009	33.05	5.23	27.82	1.3	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.20 U
MW-6	9/29/2009	33.05	7.93	25.12	3	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	6.2	< 1.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.20 U
MW-6	3/30/2010	33.05	5.32	27.73	0.6	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	0.20 J	< 1.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.20 U
MW-6	9/30/2010	33.05	6.84	26.21	1.51	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	0.87	< 1.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.20 U

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Sample Location	Sample Date	TOC	DTW	GWE	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dichloroethane	1,2-Dichloropropane	Benzene	Chloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	Methylene Chloride	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Toluene	Total Xylenes	Vinyl Chloride
MTCA Method B CULs					7.7	7	80	0.48	1.20	0.80	--	1.40	16	700	5	5	200	0.54	640	1,600	0.50
MTCA CUL Rationale					Method B Cancer	Federal MCL	Method B Noncancer	Method B Cancer	Method B Cancer	Method B Cancer	No CUL	Method B Cancer	Method B Cancer	Federal MCL	Federal MCL	Federal MCL	Federal MCL	Method B Cancer	Method B Noncancer	Method B Noncancer	See Notes
MW-6	3/4/2011	33.05	5.11	27.94	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.20 U
MW-6	9/21/2011	33.05	7.41	25.64	1.15	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.20 U
MW-6	3/6/2012	33.05	5.00	28.05	< 0.500 U	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 1.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.200 U
MW-6	9/28/2012	33.05	7.80	25.25	1.74	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 1.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.200 U
MW-6	3/7/2013	33.05	5.33	27.72	< 0.500 U	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 1.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.200 U
MW-6	9/27/2013	33.05	7.35	25.70	1.59	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 1.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.200 U
MW-6	3/26/2014	33.05	4.30	28.75	< 0.500 U	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 1.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.200 U
MW-6	9/24/2014	33.05	7.80	25.25	1.46	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 1.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.200 U
MW-6	3/17/2015	33.05	4.85	28.20	< 1.0 U	< 1.0 U	< 2.0 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	< 0.50 U	< 1.0 U	**< 1.0 U**	< 1.0 U	< 1.0 U	< 0.50 U
MW-6	9/17/2015	33.05	8.15	24.90	1.4	< 1.0 U	< 2.0 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	< 0.50 U	< 1.0 U	**< 1.0 U**	< 1.0 U	< 1.0 U	< 0.50 U
MW-6	3/15/2016	33.05	3.83	29.22	0.22 J	< 1.0 U	< 2.0 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	< 0.50 U	< 1.0 U	**< 1.0 U**	< 1.0 U	< 1.0 U	< 0.50 U
MW-6	9/14/2016	33.05	8.04	25.01	1.4	< 1.0 U	< 2.0 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	0.30 J	< 1.0 U	**< 1.0 U**	< 1.0 U	< 1.0 U	< 0.50 U
MW-6	3/7/2017	33.05	4.22	28.83	0.20 J	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 2.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	< 0.50 U
MW-6	9/20/2017	33.05	8.04	25.01	1.6	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	0.14 J	< 0.20 U	< 0.13 U	< 0.13 U	< 0.13 U	< 2.0 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 1.0 U	< 0.13 U
MW-6	3/20/2018	33.05	4.40	28.65	0.46 J-	< 0.50 UJ	< 0.50 UJ	**< 0.50 UJ**	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 2.0 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 1.0 U	< 0.50 UJ
MW-6	9/13/2018	33.05	7.64	25.41	0.44 J	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 2.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	< 0.50 U
MW-6	6/3/2019	33.05	5.09	27.96	0.31 J	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 2.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	< 0.50 U
MW-6	8/29/2019	33.05	6.64	26.41	0.49 J	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 2.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	< 0.50 U
MW-6	5/13/2020	33.01	4.56	28.45	0.18 J	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 2.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	< 0.50 U
MW-6	9/25/2020	33.01	6.70	26.31	0.33 J	< 0.50 U	0.99	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	1.7	< 2.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	8.58 J	< 0.50 U
MW-6	6/23/2022	33.01	5.27	27.74	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.20 U	< 0.13 U	< 0.13 U	< 0.13 U	< 1.0 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U
MW-7	12/22/1997	33.24	5.86	27.38	< 0.50 U	< 0.50 U	< 2.0 U	**< 0.50 U**	**2**	< 0.50 U	< 0.50 U	< 0.90 U	< 0.50 U	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
MW-7	3/6/1998	33.24	5.66	27.58	< 0.50 U	< 0.50 U	< 2.0 U	**< 0.50 U**	**1.3**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	2.4	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
MW-7	6/18/1998	33.24	6.38	26.86	< 0.50 U	< 0.50 U	< 2.0 U	**< 0.50 U**	1	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	4.5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
MW-7	6/18/1998 (DUP)	33.24	6.38	26.86	< 0.50 U	< 0.50 U	< 2.0 U	**< 0.50 U**	1	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	4.4	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
MW-7	9/29/1998	33.24	7.62	25.62	< 0.50 U	< 0.50 U	< 2.0 U	**< 0.50 U**	1.1	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	1.7	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
MW-7	12/14/1998	33.24	5.66	27.58	< 0.50 U	< 0.50 U	< 2.0 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	0.8	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
MW-7	3/3/1999	33.24	4.89	28.35	< 0.50 U	< 0.50 U	< 2.0 U	**< 0.50 U**	**2.1**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	3.8	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
MW-7	6/17/1999	33.24	6.32	26.92	< 0.50 U	< 0.50 U	< 2.0 U	**< 0.50 U**	0.6	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 5.0 U	4.3	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
MW-7	9/17/1999	33.24	7.09	26.15	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	0.9	< 0.20 U	< 0.20 U	< 0.20 U	< 0.30 U	< 0.20 U	< 0.30 U	2.0	< 0.30 U	< 0.30 U	0.20 EB	< 0.40 U	< 0.30 U
MW-7	12/8/1999	33.24	5.89	27.35	< 0.50 U	< 0.50 U	< 2.0 U	**< 0.50 U**	**2.3**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	**14**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
MW-7	3/7/2000	33.24	5.45	27.79	< 0.50 U	< 0.50 U	< 2.0 U	**< 0.50 U**	**2**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	1.4	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
MW-7	6/21/2000	33.24	6.47	26.77	0.10 J	< 0.20 U	< 0.20 U	< 0.20 U	0.30 J	< 0.20 U	0.82	< 0.1 U	< 0.20 U	0.58	< 0.20 U	**9**	< 0.20 U	< 0.20 U	< 0.10 U	0.40 J	< 0.30 U
MW-7	9/12/2000	33.24	7.31	25.93	< 1.0 U	< 1.0 U	< 1.0 U	**< 1.0 U**	< 1.0 U	**< 1.0 U**	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	5	< 1.0 U	**< 1.0 U**	< 1.0 U	< 3.0 U	**< 1.0 U**
MW-7	12/7/2000	33.24	6.91	26.33	< 0.10 U	< 0.20 U	< 0.20 U	< 0.20 U	**1.7**	< 0.20 U	< 0.20 U	< 0.10 U	< 0.09 U	< 0.10 U	< 0.20 U	0.82	< 0.20 U	< 0.20 U	< 0.10 U	< 0.20 U	< 0.30 U
MW-7	3/15/2001	33.24	6.32	26.92	< 0.10 U	< 0.20 U	< 0.20 U	< 0.20 U	0.91	< 0.20 U	< 0.20 U	< 0.10 U	< 0.09 U	< 0.10 U	< 0.20 U	2.1	< 0.20 U	< 0.20 U	0.10 J	< 0.20 U	< 0.30 U
MW-7	7/12/2001	33.24	6.75	26.49	< 0.091 U	< 0.12 U	< 0.15 U	< 0.12 U	0.28 J	< 0.11 U	< 0.18 U	< 0.096 U	< 0.12 U	< 0.098 U	< 0.20 U	4.9	< 0.12 U	< 0.12 U	0.11 J	< 0.19 U	< 0.22 U

Table 2
Historical Groundwater Analytical Results – Indicator Hazardous Substances
Five-Year Review Report
Univar Solutions Facility
8201 South 212th Street
Kent, Washington

Sample Location	Sample Date	TOC	DTW	GWE	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dichloroethane	1,2-Dichloropropane	Benzene	Chloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	Methylene Chloride	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Toluene	Total Xylenes	Vinyl Chloride
MTCA Method B CULs					7.7	7	80	0.48	1.20	0.80	--	1.40	16	700	5	5	200	0.54	640	1,600	0.50
MTCA CUL Rationale					Method B Cancer	Federal MCL	Method B Noncancer	Method B Cancer	Method B Cancer	Method B Cancer	No CUL	Method B Cancer	Method B Cancer	Federal MCL	Federal MCL	Federal MCL	Federal MCL	Method B Cancer	Method B Noncancer	Method B Noncancer	See Notes
MW-7	8/27/2001	33.24	7.09	26.15	< 0.50 U	< 0.50 U	< 2.0 U	**< 0.50 U**	0.72	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	3	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
MW-7	9/25/2001	33.24	7.33	25.91	< 0.50 U	< 0.50 U	< 2.0 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	2.4	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
MW-7	10/22/2001	33.24	7.20	26.04	< 0.50 U	< 0.50 U	< 2.0 U	**< 0.50 U**	0.69	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	1.4	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
MW-7	11/20/2001	33.24	6.33	26.91	< 0.50 U	< 0.50 U	< 2.0 U	**< 0.50 U**	**1.3**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	1.8	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
MW-7	1/3/2002	32.96	5.55	27.41	< 0.091 U	< 0.12 U	< 0.15 U	< 0.12 U	1.2	< 0.11 U	< 0.23 U	< 0.096 U	< 0.12 U	< 0.098 U	< 0.20 U	1.4	< 0.12 U	< 0.12 U	0.20 JB	< 0.19 U	< 0.22 U
MW-7	3/28/2002	32.96	5.45	27.51	< 0.091 U	< 0.12 U	< 0.15 U	< 0.12 U	0.58	< 0.11 U	< 0.23 U	< 0.096 U	< 0.12 U	< 0.13 U	0.28 J	3.5	< 0.12 U	< 0.12 U	0.20 JB	< 0.22 U	< 0.22 U
MW-7	6/14/2002	32.96	6.16	26.80	< 0.091 U	< 0.12 U	< 0.15 U	< 0.12 U	0.31	< 0.11 U	< 0.23 U	< 0.096 U	< 0.12 U	< 0.13 U	< 0.20 U	4.7	< 0.12 U	< 0.12 U	< 0.098 U	< 0.22 U	< 0.22 U
MW-7	9/17/2002	32.96	7.34	25.62	< 0.091 U	< 0.12 U	< 0.15 U	< 0.12 U	0.37	< 0.11 U	< 0.23 U	< 0.096 U	< 0.12 U	< 0.13 U	< 0.20 U	2.9	< 0.12 U	< 0.12 U	< 0.098 U	< 0.22 U	< 0.22 U
MW-7	9/17/2002 (DUP)	32.96	7.34	25.62	< 0.091 U	< 0.12 U	< 0.15 U	< 0.12 U	0.36	< 0.11 U	< 0.23 U	< 0.096 U	< 0.12 U	< 0.13 U	< 0.20 U	2.7	< 0.12 U	< 0.12 U	< 0.098 U	< 0.22 U	< 0.22 U
MW-7	12/17/2002	32.96	6.71	26.25	< 0.50 U	< 0.50 U	< 2.0 U	**< 0.50 U**	**1.4**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.13 U	< 2.0 U	1	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
MW-7	3/17/2003	32.96	5.70	27.26	< 0.091 U	< 0.12 U	< 0.15 U	< 0.12 U	**1.3**	< 0.11 U	< 0.23 U	< 0.096 U	< 0.12 U	< 0.13 U	< 0.20 U	1.5	< 0.12 U	< 0.12 U	< 0.098 U	< 0.22 U	< 0.22 U
MW-7	6/10/2003	32.96	6.48	26.48	< 0.091 U	< 0.12 U	< 0.15 U	< 0.12 U	< 0.13 U	< 0.11 U	< 0.23 U	< 0.096 U	< 0.12 U	< 0.13 U	< 0.20 U	**8.5**	< 0.12 U	< 0.12 U	0.50 B	< 0.22 U	< 0.22 U
MW-7	9/10/2003	32.96	7.80	25.16	< 0.091 U	< 0.12 U	< 0.15 U	< 0.12 U	0.17 J	< 0.11 U	< 0.23 U	< 0.096 U	< 0.12 U	< 0.13 U	< 0.20 U	4.1	< 0.12 U	< 0.12 U	0.33 JB	< 0.22 U	< 0.22 U
MW-7	12/4/2003	32.96	7.80	25.16	< 0.091 U	< 0.12 U	< 0.15 U	< 0.12 U	**1.7**	< 0.11 U	< 0.23 U	< 0.096 U	< 0.12 U	< 0.13 U	< 0.20 U	0.86	< 0.12 U	< 0.12 U	< 0.098 U	< 0.22 U	< 0.22 U
MW-7	3/16/2004	32.96	7.80	25.16	< 0.091 U	< 0.12 U	< 0.15 U	< 0.12 U	0.20 J	< 0.11 U	< 0.23 U	< 0.096 U	< 0.12 U	< 0.13 U	< 0.20 U	**5.9**	< 0.12 U	< 0.12 U	< 0.098 U	< 0.22 U	< 0.22 U
MW-7	9/22/2004	32.96	6.84	26.12	< 0.091 U	< 0.12 U	< 0.15 U	< 0.12 U	0.51	< 0.11 U	< 0.23 U	< 0.096 U	< 0.12 U	< 0.13 U	< 0.20 U	2.8	< 0.12 U	< 0.12 U	< 0.098 U	< 0.22 U	< 0.22 U
MW-7	4/4/2005	32.96	5.73	27.23	< 0.11 U	< 0.13 U	< 0.15 U	< 0.12 U	0.68	< 0.14 U	< 0.23 U	< 0.14 U	< 0.12 U	< 0.13 U	< 0.20 U	2.1	< 0.12 U	< 0.14 U	0.42 J	< 0.22 U	< 0.22 U
MW-7	9/20/2005	32.96	7.38	25.58	< 0.11 U	< 0.13 U	< 0.15 U	< 0.12 U	0.28 J	< 0.14 U	< 0.23 U	< 0.14 U	< 0.12 U	< 0.13 U	< 0.20 U	3.4	< 0.12 U	0.18 J	0.17 J	< 0.22 U	< 0.042 U
MW-7	3/14/2006	32.96	5.41	27.55	< 0.11 U	< 0.13 U	< 0.15 U	< 0.12 U	< 0.14 U	< 0.14 U	< 0.23 U	< 0.14 U	< 0.12 U	< 0.13 U	< 0.20 U	**6.9**	< 0.12 U	< 0.14 U	0.14 J	< 0.22 U	< 0.042 U
MW-7	9/13/2006	32.96	7.62	25.34	< 0.11 U	< 0.13 U	< 0.15 U	< 0.12 U	< 0.14 U	< 0.14 U	< 0.23 U	< 0.14 U	< 0.12 U	< 0.13 U	< 0.20 U	4.2	< 0.12 U	< 0.14 U	< 0.11 U	< 0.22 U	< 0.042 U
MW-7	4/3/2007	32.96	5.31	27.65	< 0.11 U	< 0.13 U	< 0.15 U	< 0.12 U	< 0.14 U	< 0.14 U	< 0.23 U	< 0.14 U	< 0.12 U	< 0.13 U	0.27 J	1.8	< 0.12 U	< 0.14 U	< 4.30 U	< 0.22 U	< 0.042 U
MW-7	9/25/2007	32.96	7.36	25.60	< 0.11 U	< 0.13 U	< 0.15 U	< 0.12 U	< 0.14 U	< 0.14 U	< 0.23 U	< 0.14 U	< 0.12 U	< 0.13 U	< 0.20 U	3.2	< 0.12 U	< 0.14 U	< 0.11 U	< 0.22 U	< 0.042 U
MW-7	5/1/2008	32.96	5.86	27.10	< 0.04 U	< 0.10 U	< 0.04 U	< 0.07 U	< 0.04 U	< 0.05 U	< 0.13 U	< 0.04 U	< 0.05 U	< 0.04 U	< 0.23 U	**5.4**	< 0.50 U	0.09 J	0.11 J	< 0.12 U	< 0.07 U
MW-7	10/1/2008	32.96	7.07	25.89	< 0.042 U	< 0.1 U	< 0.037 U	**< 0.073 U**	0.10 J	< 0.045 U	< 0.13 U	< 0.042 U	< 0.045 U	0.05 J	< 0.23 U	2.5	< 0.05 U	< 0.17 J	0.24 JB	0.13 J	0.071 U
MW-7	3/24/2009	32.96	5.61	27.35	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	< 0.50 U	2.3	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.20 U
MW-7	9/29/2009	32.96	7.18	25.78	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	< 0.50 U	1.4	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.20 U
MW-7	4/1/2010	32.96	6.22	26.74	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	< 0.50 U	2.3	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.20 U
MW-7	9/28/2010	32.96	6.35	26.61	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	< 0.50 U	1.38	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.20 U
MW-7	3/2/2011	32.96	5.00	27.96	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	1.98	< 0.50 U	< 0.50 U	4.18	< 0.50 U	< 0.50 U	0.92	1.16	< 0.20 U
MW-7	6/22/2011	32.96	5.64	27.32	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	< 0.50 U	1.88	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.20 U
MW-7	9/22/2011	32.96	7.08	25.88	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	< 0.50 U	2.07	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.20 U
MW-7	12/7/2011	32.96	6.30	26.66	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	< 0.50 U	2.86	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.20 U
MW-7	3/7/2012	32.96	5.27	27.69	< 0.500 U	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 1.00 U	< 0.500 U	< 0.500 U	< 0.500 U	2.94	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.200 U
MW-7	6/26/2012	32.96	5.65	27.31	< 0.500 U	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 1.00 U	< 0.500 U	< 0.500 U	< 0.500 U	**5.38**	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.200 U
MW-7	9/27/2012	32.96	7.41	25.55	< 0.500 U	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 1.00 U	< 0.500 U	< 0.500 U	< 0.500 U	3.02	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.200 U
MW-7	12/19/2012	32.96	5.30	27.66	< 0.500 U	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 1.00 U	< 0.500 U	< 0.500 U	< 0.500 U	1.52	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.200 U
MW-7	3/5/2013	32.96	5.63	27.33	< 0.500 U	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 1.00 U	< 0.500 U	< 0.500 U	< 0.500 U	1.63	< 0.500 U	**0.92**	< 0.500 U	< 0.500 U	< 0.200 U
MW-7	6/6/2013	32.96	5.96	27.00	< 0.500 U	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 1.00 U	< 0.500 U	< 0.500 U	< 0.500 U	4.79	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.200 U

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Kent, Washington

Sample Location	Sample Date	TOC	DTW	GWE	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dichloroethane	1,2-Dichloropropane	Benzene	Chloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	Methylene Chloride	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Toluene	Total Xylenes	Vinyl Chloride
MTCA Method B CULs					7.7	7	80	0.48	1.20	0.80	--	1.40	16	700	5	5	200	0.54	640	1,600	0.50
MTCA CUL Rationale					Method B Cancer	Federal MCL	Method B Noncancer	Method B Cancer	Method B Cancer	Method B Cancer	No CUL	Method B Cancer	Method B Cancer	Federal MCL	Federal MCL	Federal MCL	Federal MCL	Method B Cancer	Method B Noncancer	Method B Noncancer	See Notes
MW-7	9/24/2013	32.96	6.73	26.23	< 0.500 U	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 1.00 U	< 0.500 U	< 0.500 U	< 0.500 U	1.89	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.200 U
MW-7	3/26/2014	32.96	4.48	28.48	< 0.500 U	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 1.00 U	< 0.500 U	< 0.500 U	< 0.500 U	**6.56**	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.200 U
MW-7	9/25/2014	32.96	7.17	25.79	< 0.500 U	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 1.00 U	< 0.500 U	< 0.500 U	< 0.500 U	2.14	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.200 U
MW-7	3/18/2015	32.96	5.11	27.85	< 1.0 U	< 1.0 U	< 2.0 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	5	< 1.0 U	**< 1.0 U**	< 1.0 U	--	< 0.50 U
MW-7	9/14/2015	32.96	7.43	25.53	< 1.0 U	< 1.0 U	< 2.0 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	1.3	< 1.0 U	**< 1.0 U**	< 1.0 U	--	< 0.50 U
MW-7	3/15/2016	32.96	4.58	28.38	< 1.0 U	< 1.0 U	< 2.0 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	**7**	< 1.0 U	**< 1.0 U**	< 1.0 U	--	< 0.50 U
MW-7	9/14/2016	32.96	7.31	25.65	< 1.0 U	< 1.0 U	< 2.0 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	3.3	< 1.0 U	0.25 J	< 1.0 U	--	< 0.50 U
MW-7	3/8/2017	32.96	4.92	28.04	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 2.0 U	4.9	< 0.50 U	< 0.50 U	< 0.50 U	--	< 0.50 U
MW-7	9/19/2017	32.96	7.26	25.70	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.20 U	< 0.13 U	< 0.13 U	< 0.13 U	< 2.0 U	4.8	< 0.13 U	0.39 J	< 0.13 U	--	< 0.13 U
MW-7	3/21/2018	32.96	5.55	27.41	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	**< 0.50 UJ**	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 2.0 U	4.30 J-	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	--	< 0.50 UJ
MW-7	9/11/2018	32.96	7.35	25.61	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 2.0 U	3.3	< 0.50 U	0.29 J	< 0.50 U	--	< 0.50 U
MW-7	5/31/2019	32.96	6.07	26.89	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 2.0 U	4.1	< 0.50 U	0.29 J	< 0.50 U	< 1.0 U	< 0.50 U
MW-7	8/26/2019	32.96	6.95	26.01	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 2.0 U	3.1	< 0.50 U	0.28 J	< 0.50 U	< 1.0 U	< 0.50 U
MW-7	5/13/2020	32.91	5.57	27.34	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 2.0 U	2.8	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	< 0.50 U
MW-7	9/24/2020	32.91	6.95	25.96	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	0.16 J	< 0.50 U	< 2.0 U	2.6	< 0.50 U	0.25 J	< 0.50 U	< 1.0 U	< 0.50 U
MW-7	6/23/2022	32.91	5.70	27.21	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.20 U	< 0.13 U	< 0.13 U	< 0.13 U	1.6 JB	3.6	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U
MW-8	12/22/1997	33.83	6.39	27.44	< 0.50 U	3.3	< 2.0 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	1.4	2.9	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	**33**	< 0.50 U	< 0.50 U	**0.7**
MW-8	3/6/1998	33.83	6.20	27.63	< 0.50 U	1.2	< 2.0 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	1.3	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	**20**	< 0.50 U	< 0.50 U	**0.7**
MW-8	6/18/1998	33.83	6.94	26.89	< 0.50 U	3	< 2.0 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	2.5	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	**34**	< 0.50 U	< 0.50 U	**0.8**
MW-8	9/29/1998	33.83	8.22	25.61	< 0.50 U	3.2	< 2.0 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	2.8	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	**35**	< 0.50 U	< 0.50 U	**0.6**
MW-8	12/14/1998	33.83	6.21	27.62	< 0.50 U	2.9	< 2.0 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	2.6	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	**35**	< 0.50 U	< 0.50 U	**0.6**
MW-8	12/14/1998 (DUP)	33.83	6.21	27.62	< 0.50 U	3	< 2.0 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	2.8	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	**35**	< 0.50 U	< 0.50 U	**0.6**
MW-8	3/2/1999	33.83	5.38	28.45	< 0.50 U	1.9	< 2.0 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	1.9	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	**29**	< 0.50 U	< 0.50 U	**0.6**
MW-8	6/16/1999	33.83	6.88	26.95	< 0.50 U	1.3	< 2.0 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	1.3	< 0.50 U	< 5.0 U	< 0.50 U	< 0.50 U	**16**	< 0.50 U	< 0.50 U	**0.6**
MW-8	9/16/1999	33.83	7.65	26.18	< 0.20 U	1.1	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	1.3	< 0.20 U	< 0.30 U	0.20 EB	< 0.30 U	**15**	< 0.20 U	< 0.40 U	0.30 E
MW-8	12/8/1999	33.83	6.42	27.41	< 0.50 U	2	< 2.0 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	2.3	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	**25**	< 0.50 U	< 0.50 U	< 0.50 U
MW-8	3/7/2000	33.83	5.97	27.86	< 0.50 U	1.2	< 2.0 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	1.4	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	**18**	< 0.50 U	< 0.50 U	< 0.50 U
MW-8	6/21/2000	33.83	6.77	27.06	< 0.10 U	1.3	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.50 U	< 0.10 U	1.5	0.40 J	< 0.20 U	1.2	< 0.20 U	**16**	< 0.10 U	0.30 J	< 0.30 U
MW-8	9/12/2000	33.83	7.90	25.93	< 1.0 U	< 1.0 U	< 1.0 U	**< 1.0 U**	< 1.0 U	**< 1.0 U**	< 1.0 U	< 1.0 U	2	< 1.0 U	< 5.0 U	< 1.0 U	< 1.0 U	**19**	< 1.0 U	< 3.0 U	**< 1.0 U**
MW-8	12/7/2000	33.83	7.46	26.37	< 0.10 U	2	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.10 U	2.4	< 0.10 U	< 0.20 U	< 0.20 U	< 0.20 U	**23**	0.20 J	< 0.20 U	0.30 J
MW-8	3/15/2001	33.83	6.95	26.88	< 0.10 U	1.4	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.10 U	1.4	< 0.10 U	< 0.20 U	< 0.20 U	< 0.20 U	**18**	0.20 J	< 0.20 U	< 0.30 U
MW-8	7/12/2001	33.83	7.31	26.52	< 0.091 U	2.5	< 0.15 U	< 0.12 U	< 0.13 U	< 0.11 U	< 0.18 U	< 0.096 U	2.3	< 0.098 U	< 0.20 U	< 0.11 U	< 0.12 U	**28**	0.14 J	< 0.19 U	0.37 J
MW-8	8/27/2001	33.83	7.65	26.18	< 0.50 U	< 0.50 U	< 2.0 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	**0.91**	< 0.50 U	< 0.50 U	< 0.50 U
MW-8	9/25/2001	33.83	7.98	25.85	< 0.50 U	< 0.50 U	< 2.0 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**0.59**
MW-8	10/22/2001	33.83	7.95	25.88	< 0.50 U	< 0.50 U	< 2.0 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	0.5
MW-8	11/20/2001	33.83	6.88	26.95	< 0.50 U	< 0.50 U	< 2.0 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
MW-8	1/3/2002	33.57	6.07	27.50	< 0.091 U	2	< 0.15 U	< 0.12 U	< 0.13 U	< 0.11 U	< 0.23 U	< 0.096 U	2.3	< 0.098 U	< 0.20 U	< 0.11 U	< 0.12 U	**27**	0.31 JB	< 0.19 U	< 0.22 U

Table 2
Historical Groundwater Analytical Results – Indicator Hazardous Substances
Five-Year Review Report
Univar Solutions Facility
8201 South 212th Street
Kent, Washington

Sample Location	Sample Date	TOC	DTW	GWE	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dichloroethane	1,2-Dichloropropane	Benzene	Chloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	Methylene Chloride	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Toluene	Total Xylenes	Vinyl Chloride
MTCA Method B CULs					**7.7**	**7**	**80**	**0.48**	**1.20**	**0.80**	**--**	**1.40**	**16**	**700**	**5**	**5**	**200**	**0.54**	**640**	**1,600**	**0.50**
MTCA CUL Rationale					**Method B Cancer**	**Federal MCL**	**Method B Noncancer**	**Method B Cancer**	**Method B Cancer**	**Method B Cancer**	**No CUL**	**Method B Cancer**	**Method B Cancer**	**Federal MCL**	**Federal MCL**	**Federal MCL**	**Federal MCL**	**Method B Cancer**	**Method B Noncancer**	**Method B Noncancer**	**See Notes**
MW-8	3/27/2002	33.57	5.98	27.59	< 0.091 U	0.72	< 0.15 U	< 0.12 U	< 0.13 U	< 0.11 U	< 0.23 U	< 0.096 U	1	< 0.13 U	< 0.20 U	0.17 J	< 0.12 U	**14**	< 0.098 U	< 0.22 U	< 0.22 U
MW-8	6/14/2002	33.57	6.71	26.86	< 0.091 U	0.77	< 0.15 U	< 0.12 U	< 0.13 U	< 0.11 U	< 0.23 U	< 0.096 U	1	< 0.13 U	< 0.20 U	0.13 J	< 0.12 U	**11**	< 0.098 U	< 0.22 U	< 0.22 U
MW-8	9/18/2002	33.57	7.94	25.63	< 0.091 U	2.5	< 0.15 U	< 0.12 U	< 0.13 U	< 0.11 U	< 0.23 U	< 0.096 U	2.8	< 0.13 U	< 0.20 U	0.21 J	< 0.12 U	**29**	< 0.098 U	< 0.22 U	0.5
MW-8	12/16/2002	33.57	7.29	26.28	< 0.50 U	3.1	< 2.0 U	**< 0.50 U**	< 0.50 U	< 0.11 U	< 0.50 U	< 0.50 U	3	< 0.50 U	< 2.0 U	< 0.50 U	< 0.50 U	**34**	< 0.50 U	< 0.50 U	**0.62**
MW-8	3/17/2003	33.57	6.58	26.99	< 0.091 U	2.5	< 0.15 U	< 0.12 U	< 0.13 U	< 0.11 U	< 0.23 U	< 0.096 U	2.6	< 0.13 U	< 0.20 U	0.12 J	< 0.12 U	**29**	< 0.098 U	< 0.22 U	< 0.22 U
MW-8	6/11/2003	33.57	7.05	26.52	< 0.091 U	1.2	< 0.15 U	< 0.12 U	< 0.13 U	< 0.11 U	< 0.23 U	< 0.096 U	1.7	< 0.13 U	< 0.20 U	0.51	< 0.12 U	**16**	0.66 B	< 0.22 U	< 0.22 U
MW-8	9/10/2003	33.57	8.38	25.19	< 0.091 U	2.2	< 0.15 U	< 0.12 U	< 0.13 U	< 0.11 U	< 0.23 U	< 0.096 U	2.4	< 0.13 U	< 0.20 U	0.26 J	< 0.12 U	**32**	0.39 JB	< 0.22 U	0.41 J
MW-8	9/10/2003 (DUP)	33.57	8.38	25.19	< 0.091 U	2.3	< 0.15 U	< 0.12 U	< 0.13 U	< 0.11 U	< 0.23 U	< 0.096 U	2.5	< 0.13 U	< 0.20 U	0.21 J	< 0.12 U	**32**	0.22 JB	< 0.22 U	0.45 J
MW-8	12/4/2003	33.57	6.70	26.87	< 0.091 U	2.8	< 0.15 U	< 0.12 U	< 0.13 U	< 0.11 U	< 0.23 U	< 0.096 U	3.2	< 0.13 U	< 0.20 U	< 0.11 U	< 0.12 U	**36**	< 0.098 U	< 0.22 U	**0.6**
MW-8	3/16/2004	33.57	6.32	27.25	< 0.091 U	0.59	< 0.15 U	< 0.12 U	< 0.13 U	< 0.11 U	< 0.23 U	< 0.096 U	0.92	< 0.13 U	< 0.20 U	0.31 J	< 0.12 U	**11**	0.12 J	< 0.22 U	< 0.22 U
MW-8	9/24/2004	33.57	7.40	26.17	< 0.091 U	1.7	< 0.15 U	< 0.12 U	< 0.13 U	< 0.11 U	< 0.23 U	< 0.096 U	2.4	< 0.13 U	< 0.20 U	< 0.11 U	< 0.12 U	**20**	< 0.098 U	< 0.22 U	0.38 J
MW-8	4/5/2005	33.57	6.29	27.28	< 0.11 U	0.99	< 0.15 U	< 0.12 U	< 0.14 U	< 0.14 U	< 0.23 U	< 0.14 U	1.6	< 0.13 U	< 0.20 U	0.26 J	< 0.12 U	**15**	0.34 J	< 0.22 U	< 0.22 U
MW-8	9/20/2005	33.57	7.94	25.63	< 0.11 U	1.3	< 0.15 U	< 0.12 U	< 0.14 U	< 0.14 U	< 0.23 U	< 0.14 U	2.3	< 0.13 U	< 0.20 U	0.43 J	< 0.12 U	**19**	0.23 J	< 0.22 U	0.13 J
MW-8	3/15/2006	33.57	6.03	27.54	< 0.11 U	0.6	< 0.15 U	< 0.12 U	< 0.14 U	< 0.14 U	< 0.23 U	< 0.14 U	1.1	< 0.13 U	< 0.20 U	0.26 J	< 0.12 U	**9.8**	0.18 J	< 0.22 U	0.08 J
MW-8	9/13/2006	33.57	8.20	25.37	< 0.11 U	1.1	< 0.15 U	< 0.12 U	< 0.14 U	< 0.14 U	< 0.23 U	< 0.14 U	2.2	< 0.13 U	< 0.20 U	0.39 J	< 0.12 U	**14**	< 0.11 U	< 0.22 U	0.36 J
MW-8	4/5/2007	33.57	5.89	27.68	< 0.11 U	0.49 J	< 0.15 U	< 0.12 U	< 0.14 U	< 0.14 U	< 0.23 U	< 0.14 U	0.9	< 0.13 U	< 0.20 U	0.31 J	< 0.12 U	**7.4**	< 0.11 U	< 0.22 U	0.050 J
MW-8	9/26/2007	33.57	7.95	25.62	< 0.11 U	1.1	< 0.15 U	< 0.12 U	< 0.14 U	< 0.14 U	< 0.23 U	< 0.14 U	1.9	< 0.13 U	< 0.20 U	0.23 J	< 0.12 U	**13**	< 0.11 U	< 0.22 U	0.25 J
MW-8	5/1/2008	33.57	6.42	27.15	< 0.04 U	0.65	< 0.04 U	< 0.07 U	< 0.04 U	< 0.05 U	< 0.13 U	< 0.04 U	0.99	< 0.04 U	< 0.23 U	0.34 J	< 0.05 U	**6.5**	0.09 J	< 0.12 U	< 0.07 U
MW-8	9/30/2008	33.57	7.64	25.93	< 0.042 U	1.4	< 0.037 U	< 0.073 U	< 0.042 U	< 0.045 U	< 0.13 U	< 0.042 U	2.8	< 0.042 U	< 0.23 U	0.22 J	< 0.50 U	**14**	0.18 JB	0.11 J	0.47 J
MW-8	3/26/2009	33.57	6.15	27.42	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**4.7**	< 0.50 U	< 0.50 U	< 0.20 U
MW-8	9/29/2009	33.57	7.75	25.82	< 0.50 U	1.3	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	1.7	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**9.1 J**	< 0.50 U	< 0.50 U	0.40 J
MW-8	4/1/2010	33.57	6.43	27.14	< 0.50 U	0.8	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	1.4	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**5**	< 0.50 U	< 0.50 U	0.3
MW-8	9/28/2010	33.57	6.93	26.64	< 0.50 U	1.11	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	2.02	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**5.09**	< 0.50 U	< 0.50 U	< 0.20 UJ
MW-8	3/4/2011	33.57	5.62	27.95	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	0.9	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**3.93**	< 0.50 U	< 0.50 U	0.20 U
MW-8	9/26/2011	33.57	7.65	25.92	< 0.50 U	1.25	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	1.98	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**3.91**	< 0.50 U	< 0.50 U	**0.7**
MW-8	3/6/2012	33.57	5.84	27.73	< 0.500 U	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	0.89	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	**2.96**	< 0.500 U	< 0.500 U	< 0.200 U
MW-8	9/28/2012	33.57	6.21	27.36	< 0.500 U	1.76	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	2.42	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	**5.76**	< 0.500 U	< 0.500 U	< 0.200 U
MW-8	3/8/2013	33.57	6.18	27.39	< 0.500 U	0.85	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	1.54	< 0.500 U	< 0.500 U	0.73	< 0.500 U	**2.39 J**	< 0.500 U	< 0.500 U	< 0.200 U
MW-8	9/27/2013	33.57	7.25	26.32	< 0.500 U	2.45	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	3.45	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	**9.63**	< 0.500 U	< 0.500 U	**0.73**
MW-8	3/26/2014	33.57	5.39	28.18	< 0.500 U	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	**1.99**	< 0.500 U	< 0.500 U	0.200 U
MW-8	9/23/2014	33.57	7.72	25.85	< 0.500 U	1.65	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	6.07	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	**6.47**	< 0.500 U	< 0.500 U	0.200 U
MW-8	3/16/2015	33.57	4.68	28.89	< 1.0 U	0.41 J	< 2.0 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 1.0 U	< 1.0 U	0.70 J	< 1.0 U	< 5.0 U	0.32 J	< 1.0 U	2.1	< 1.0 U	--	< 0.50 U
MW-8	9/16/2015	33.57	8.04	25.53	< 1.0 U	1.7	< 2.0 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 1.0 U	< 1.0 U	2.8	< 1.0 U	< 5.0 U	< 0.50 U	< 1.0 U	**7.4**	< 1.0 U	--	0.31 J
MW-8	3/15/2016	33.57	5.10	28.47	< 1.0 U	< 1.0 U	< 2.0 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	0.45 J	< 1.0 U	**0.91 J**	< 1.0 U	--	< 0.50 U
MW-8	9/14/2016	33.57	7.88	25.69	< 1.0 U	1.5	< 2.0 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 1.0 U	< 1.0 U	2.6	< 1.0 U	< 5.0 U	0.36 J	< 1.0 U	**8.7**	< 1.0 U	--	0.35 J
MW-8	3/7/2017	33.57	5.45	28.12	< 0.50 U	0.21 J	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	0.39 J	< 0.50 U	< 2.0 U	0.37 J	< 0.50 U	**1.7**	< 0.50 U	--	< 0.50 U
MW-8	9/21/2017	33.57	7.86	25.71	< 0.13 U	1.4	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.20 U	< 0.13 U	2.5	< 0.13 U	< 2.0 U	0.51	< 0.13 U	**11.9**	< 0.13 U	--	0.32 J
MW-8	3/20/2018	33.57	6.12	27.45	< 0.50 UJ	0.32 J-	< 0.50 UJ	**< 0.50 UJ**	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	0.69 J-	< 0.50 UJ	< 2.0 UJ	0.35 J-	< 0.50 UJ	**2.5 J-**	< 0.50 UJ	--	< 0.50 UJ

Table 2
Historical Groundwater Analytical Results – Indicator Hazardous Substances
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Kent, Washington

Sample Location	Sample Date	TOC	DTW	GWE	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dichloroethane	1,2-Dichloropropane	Benzene	Chloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	Methylene Chloride	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Toluene	Total Xylenes	Vinyl Chloride
MTCA Method B CULs					**7.7**	**7**	**80**	**0.48**	**1.20**	**0.80**	**--**	**1.40**	**16**	**700**	**5**	**5**	**200**	**0.54**	**640**	**1,600**	**0.50**
MTCA CUL Rationale					**Method B Cancer**	**Federal MCL**	**Method B Noncancer**	**Method B Cancer**	**Method B Cancer**	**Method B Cancer**	**No CUL**	**Method B Cancer**	**Method B Cancer**	**Federal MCL**	**Federal MCL**	**Federal MCL**	**Federal MCL**	**Method B Cancer**	**Method B Noncancer**	**Method B Noncancer**	**See Notes**
MW-8	9/13/2018	33.57	7.96	25.61	< 0.50 U	1.5	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	2.6	< 0.50 U	< 2.0 UU	0.37 J	< 0.50 U	**20**	< 0.50 U	--	0.47 J
MW-8	5/30/2019	33.57	6.64	26.93	< 0.50 U	0.17 J	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	0.40 J	< 0.50 U	< 2.0 UU	0.32 J	< 0.50 U	**1.8**	< 0.50 U	< 1.0 U	< 0.50 U
MW-8	8/27/2019	33.57	7.56	26.01	< 0.50 U	1.3	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	2.9	< 0.50 U	< 2.0 U	0.29 J	< 0.50 U	**14.5**	< 0.50 U	< 1.0 U	0.37 J
MW-8	5/14/2020	33.53	7.25	26.28	< 0.50 U	0.28 J	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	0.6	< 0.50 U	< 2.0 U	0.37 J	< 0.50 U	**2.9**	< 0.50 U	< 1.0 U	0.15 J
MW-8	11/6/2020	33.53	7.15	26.38	< 0.50 U	1.5	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	4.5	< 0.50 U	< 2.0 U	0.33 J	< 0.50 U	**19.5**	< 0.50 U	< 1.0 U	0.43 J
MW-8	6/23/2022	33.53	6.28	27.25	< 0.13 U	0.23 J	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	<0.20 U	< 0.13 U	0.78	< 0.13 U	1.7 JB	< 0.13 U	< 0.13 U	**2.5**	< 0.13 U	< 0.13 U	< 0.13 U
MW-9	7/12/2001	33.77	--	--	2.3	< 0.12 U	< 0.15 U	< 0.12 U	< 0.13 U	**3.5**	15	0.10 J	4.1	0.12 J	< 0.20 U	0.15 J	< 0.12 U	0.28 J	1.2	0.18 J	0.26 J
MW-9	7/12/2001 (DUP)	33.77	--	--	2.3	< 0.12 U	< 0.15 U	< 0.12 U	< 0.13 U	**3.4**	14	0.15 J	3.4	< 0.098 U	< 0.20 U	0.18 J	< 0.12 U	0.28 J	1	0.13 J	0.23 J
MW-9	8/27/2001	33.77	7.80	25.97	2.4	< 0.50 U	< 2.0 U	**< 0.50 U**	< 0.50 U	**4.0**	12	< 0.50 U	5.2	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	< 0.50 U	1.7	< 0.50 U	< 0.50 U
MW-9	9/25/2001	33.77	7.80	25.97	2.3	< 0.50 U	< 2.0 U	**< 0.50 U**	< 0.50 U	**3.6**	12	< 0.50 U	4.8	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	< 0.50 U	1.2	< 0.50 U	< 0.50 U
MW-9	10/22/2001	33.77	7.95	25.82	2.3	< 0.50 U	< 2.0 U	**< 0.50 U**	< 0.50 U	**4.1**	12	< 0.50 U	5.9	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	< 0.50 U	1.4	< 0.50 U	< 0.50 U
MW-9	11/20/2001	33.77	7.02	26.75	1.8	< 0.50 U	< 2.0 U	**< 0.50 U**	< 0.50 U	**4.5**	10	< 0.50 U	8.4	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	< 0.50 U	1.4	< 0.50 U	< 0.50 U
MW-9	1/3/2002	33.77	6.21	27.56	0.65	0.78	< 0.15 U	< 0.12 U	< 0.13 U	**1.8**	2.9	< 0.096 U	**31**	< 0.098 U	< 0.20 U	< 0.11 U	< 0.12 U	**18**	0.59 B	< 0.19 U	0.29 J
MW-9	3/27/2002	33.77	6.06	27.71	< 0.091 U	0.95	< 0.15 U	< 0.12 U	< 0.13 U	< 0.11 U	0.38 J	< 0.096 U	**27**	< 0.13 U	0.21 J	< 0.11 U	< 0.12 U	**45**	0.14 J	< 0.22 U	0.26 J
MW-9	6/14/2002	33.77	6.84	26.93	1.8	0.25 J	< 0.15 U	0.21 J	< 0.13 U	**2.6**	19.0	< 0.096 U	12	0.13 J	0.28 J	< 0.11 U	< 0.12 U	**6.2**	1	0.23 J	0.25 J
MW-9	9/17/2002	33.77	8.11	25.66	2.2	< 0.12 U	< 0.15 U	< 0.12 U	< 0.13 U	**2.9**	21.0	< 0.096 U	5.5	0.20 J	0.27 J	< 0.11 U	< 0.12 U	**2**	1.2	0.28 J	0.23 J
MW-9	12/16/2002	33.77	7.51	26.26	2.4	< 0.50 U	< 2.0 U	**< 0.50 U**	< 0.50 U	**2.7**	21.0	< 0.50 U	4.2	< 0.50 U	< 2.0 U	< 0.50 U	< 0.50 U	**0.9**	0.93	< 0.50 U	< 0.50 U
MW-9	3/17/2003	33.77	6.36	27.41	0.48 J	0.74	< 0.15 U	< 0.12 U	< 0.13 U	**1.4**	2.7	< 0.096 U	**27**	< 0.13 U	< 0.20 U	< 0.11 U	< 0.12 U	**12**	0.33 J	0.12 J	< 0.22 U
MW-9	6/11/2003	33.77	7.20	26.57	2.3	< 0.12 U	< 0.15 U	0.41 J	< 0.13 U	**1.9**	34	< 0.096 U	4.3	< 0.13 U	0.40 J	< 0.11 U	< 0.12 U	**1.7**	0.99 B	0.13 J	< 0.22 J
MW-9	9/10/2003	33.77	8.61	25.16	2.5	< 0.12 U	< 0.15 U	0.43 J	< 0.13 U	**2.30 B**	32	< 0.096 U	6.3	< 0.13 U	0.32 J	< 0.11 U	< 0.12 U	**1.2**	1.10 B	< 0.22 U	< 0.32 J
MW-9	12/4/2003	33.77	6.90	26.87	2.5	< 0.12 U	< 0.15 U	< 0.12 U	< 0.13 U	**3.1**	27	< 0.096 U	6.4	< 0.13 U	0.24 J	< 0.11 U	< 0.12 U	0.48 J	0.88	0.21 J	< 0.22 U
MW-9	3/16/2004	33.77	6.41	27.36	0.79	0.39 J	< 0.15 U	< 0.12 U	< 0.13 U	**0.98**	2.2	< 0.096 U	14	< 0.13 U	< 0.20 U	< 0.11 U	< 0.12 U	**11**	0.24 J	< 0.22 U	0.23 J
MW-9	9/23/2004	33.77	7.81	25.96	1.9	< 0.12 U	< 0.15 U	0.35 J	< 0.13 U	**2**	18	< 0.096 U	2.5	< 0.13 U	0.27 J	< 0.11 U	< 0.12 U	0.16 J	0.71	0.15 J	0.49 J
MW-9	4/5/2005	33.77	6.45	27.32	1.2	0.18 J	< 0.15 U	< 0.12 U	< 0.14 U	**2.1**	0.42 J	< 0.14 U	13	< 0.13 U	< 0.20 U	< 0.13 U	< 0.12 U	**1.5**	0.78	< 0.22 U	**1.6**
MW-9	9/20/2005	33.77	8.15	25.62	1.9	< 0.13 U	< 0.15 U	0.34 J	< 0.14 U	**2.2**	15	< 0.14 U	1.1	< 0.13 U	0.25 J	< 0.13 U	< 0.12 U	< 0.14 U	0.86	0.13 J	0.35 J
MW-9	3/14/2006	33.77	6.09	27.68	0.63	< 0.13 U	< 0.15 U	< 0.12 U	< 0.14 U	0.36 J	< 0.23 U	< 0.14 U	5.7	< 0.13 U	< 0.20 U	< 0.13 U	< 0.12 U	**7.7**	0.12 J	< 0.22 U	**0.96**
MW-9	9/13/2006	33.77	8.42	25.35	1.6	< 0.13 U	< 0.15 U	0.35 J	< 0.14 U	**2.0**	12	< 0.14 U	1.1	< 0.13 U	0.22 J	< 0.13 U	< 0.12 U	0.19 J	0.63	< 0.22 U	**0.59**
MW-9	4/5/2007	33.77	6.01	27.76	0.31 J	0.23 J	< 0.15 U	< 0.12 U	< 0.14 U	0.33 J	< 0.23 U	< 0.14 U	9.9	< 0.13 U	< 0.20 U	< 0.13 U	< 0.12 U	**7.6**	< 0.11 U	< 0.22 U	**0.78**
MW-9	9/26/2007	33.77	8.15	25.62	1.3	< 0.13 U	< 0.15 U	0.28 J	< 0.14 U	**1.8**	4.5	< 0.14 U	0.62	< 0.13 U	< 0.20 U	< 0.13 U	< 0.12 U	< 0.14 U	0.53	< 0.22 U	0.43 J
MW-9	5/1/2008	33.77	6.57	27.20	0.43 J	0.22 J	< 0.04 U	< 0.07 U	< 0.04 U	**1.2**	< 0.13 U	< 0.04 U	13	< 0.04 U	< 0.23 U	< 0.077 U	< 0.05 U	**0.57**	0.39 J	0.18 J	**2.7**
MW-9	9/30/2008	33.77	7.89	25.88	1	< 0.1 U	0.037 U	0.18 J	< 0.042 U	**2**	2.7	< 0.042 U	0.46 J	0.08 J	< 0.23 U	< 0.077 U	< 0.05 U	< 0.061 U	0.63	0.27 J	0.38 J
MW-9	3/26/2009	33.77	6.28	27.49	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	**1.2**	< 0.50 U	< 0.50 U	4	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**1.3**	< 0.50 U	< 0.50 U	**2.3**
MW-9	9/29/2009	33.77	7.98	25.79	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	**1.2**	< 0.50 U	< 0.50 U	0.8	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	0.30 J
MW-9	3/30/2010	33.77	6.55	27.22	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	0.8	< 0.50 U	< 0.50 U	15	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**1.3**	< 0.50 U	< 0.50 U	**3.9**
MW-9	9/28/2010	33.77	7.12	26.65	0.51	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	**1.7**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	0.38 J	< 0.50 U	< 0.20 UJ
MW-9	9/28/2010 (LAB DUP)	33.77	7.12	26.65	0.54	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	**1.87**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	0.40 J	< 0.50 U	< 0.20 UJ
MW-9	3/4/2011	33.77	5.77	28.00	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	0.6	< 0.50 U	< 0.50 U	4.18	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**1.42**	0.63	1.01	**1.88**

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Sample Location	Sample Date	TOC	DTW	GWE	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dichloroethane	1,2-Dichloropropane	Benzene	Chloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	Methylene Chloride	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Toluene	Total Xylenes	Vinyl Chloride
MTCA Method B CULs					7.7	7	80	0.48	1.20	0.80	--	1.40	16	700	5	5	200	0.54	640	1,600	0.50
MTCA CUL Rationale					Method B Cancer	Federal MCL	Method B Noncancer	Method B Cancer	Method B Cancer	Method B Cancer	No CUL	Method B Cancer	Method B Cancer	Federal MCL	Federal MCL	Federal MCL	Federal MCL	Method B Cancer	Method B Noncancer	Method B Noncancer	See Notes
MW-9	9/26/2011	33.77	7.84	25.93	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	1.23	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	0.2
MW-9	3/6/2012	33.77	5.96	27.81	< 0.500 U	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	3.95	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	**3.22**	< 0.500 U	< 0.500 U	**0.69**
MW-9	9/28/2012	33.77	6.37	27.40	< 0.500 U	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.50 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.50 U	< 0.500 U	< 0.500 U	< 0.20 U
MW-9	3/8/2013	33.77	6.30	27.47	< 0.500 U	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	3.02	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	**1.39**	< 0.500 U	< 0.500 U	**1.16 J**
MW-9	9/27/2013	33.77	7.50	26.27	< 0.500 U	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	1.5	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	**0.78**
MW-9	3/26/2014	33.77	5.52	28.25	< 0.500 U	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	1.09	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	**2.17**	< 0.500 U	< 0.500 U	< 0.200 U
MW-9	9/24/2014	33.77	7.90	25.87	< 0.500 U	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	1.13	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	0.396
MW-9	3/17/2015	33.77	5.76	28.01	< 1.0 U	< 1.0 U	< 2.0 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 1.0 U	< 1.0 U	0.94 J	< 1.0 U	< 5.0 U	< 0.50 U	< 1.0 U	**1.2**	< 1.0 U	--	< 0.50 U
MW-9	9/16/2015	33.77	8.21	25.56	< 5.0 U	< 5.0 U	< 10.0 U	**< 2.50 U**	**< 2.50 U**	**< 2.50 U**	< 5.0 U	**< 5.0 U**	< 5.0 U	< 5.0 U	**< 25.0 U**	< 2.50 U	< 5.0 U	**< 5.0 U**	< 5.0 U	--	**< 2.50 U**
MW-9	3/15/2016	33.77	5.14	28.63	< 1.0 U	< 1.0 U	< 2.0 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 1.0 U	< 1.0 U	0.32 J	< 1.0 U	< 5.0 U	< 0.50 U	< 1.0 U	**1**	< 1.0 U	--	< 0.50 U
MW-9	9/14/2016	33.77	8.02	25.75	< 5.0 U	< 5.0 U	< 10 U	**< 2.50 U**	**< 2.50 U**	**< 2.50 U**	< 5.0 U	**< 5.0 U**	< 5.0 U	< 5.0 U	**< 25.0 U**	< 2.50 U	< 5.0 U	**< 5.0 U**	< 5.0 U	--	**< 2.5 U**
MW-9	3/7/2017	33.77	5.51	28.26	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 2.0 U	< 0.50 U	< 0.50 U	**1.4**	< 0.50 U	--	< 0.50 U
MW-9	9/21/2017	33.77	8.05	25.72	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	0.75	< 0.20 U	< 0.13 U	0.67	< 0.13 U	< 2.0 U	< 0.13 U	< 0.13 U	0.32 J	< 0.13 U	--	0.22 J
MW-9	3/20/2018	33.77	6.18	27.59	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	**< 0.50 UJ**	< 0.50 UJ	--	< 0.50 UJ	< 0.50 UJ	0.20 J-	< 0.50 UJ	< 2.0 UJ	< 0.50 UJ	< 0.50 UJ	**1.7 J-**	< 0.50 UJ	--	< 0.50 UJ
MW-9	9/13/2018	33.77	7.15	26.62	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	0.63	< 0.50 U	< 0.50 U	0.52	< 0.50 U	< 2.0 U	< 0.50 U	< 0.50 U	0.14 J	< 0.50 U	--	**0.52**
MW-9	5/31/2019	33.77	6.70	27.07	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	0.24 J	< 0.50 U	< 0.50 U	0.55	< 0.50 U	< 2.0 U	< 0.50 U	< 0.50 U	**0.8**	< 0.50 U	< 1.0 U	0.29 J
MW-9	8/27/2019	33.77	7.73	26.04	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	0.56	< 0.50 U	< 0.50 U	0.43 J	< 0.50 U	< 2.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	0.46 J
MW-9	5/13/2020	33.72	6.25	27.47	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	0.43 J	< 0.50 U	< 2.0 U	< 0.50 U	< 0.50 U	**1.1**	< 0.50 U	< 1.0 U	0.24 J
MW-9	9/25/2020	33.72	7.70	26.02	< 0.50 U	< 0.50 U	0.27 J	**< 0.50 U**	< 0.50 U	0.53	< 0.50 U	< 0.50 U	0.34 J	0.55	< 2.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	2.3	0.26 J
MW-9	6/23/2022	33.72	6.33	27.39	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.20 U	< 0.13 U	0.40 J	< 0.13 U	1.6 JB	< 0.13 U	< 0.13 U	**0.8**	< 0.13 U	< 0.13 U	< 0.13 U
MW-10	7/12/2001	32.89	--	--	< 0.091 U	< 0.12 U	< 0.15 U	< 0.12 U	< 0.13 U	< 0.11 U	< 0.18 U	< 0.096 U	0.65	< 0.098 U	< 2.0 U	< 0.11 U	< 0.12 U	< 0.12 U	0.14 J	0.19 U	< 0.22 U
MW-10	9/25/2001	32.89	--	--	< 0.50 U	< 0.50 U	< 2.0 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	0.59	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
MW-10	1/3/2002	32.89	5.48	27.41	< 0.091 U	< 0.12 U	< 0.15 U	< 0.12 U	< 0.13 U	< 0.11 U	< 0.23 U	< 0.096 U	0.48 J	< 0.098 U	< 0.20 U	< 0.11 U	< 0.12 U	< 0.12 U	0.45 JB	0.19 U	< 0.22 U
MW-10	1/3/2002 (DUP)	32.89	5.48	27.41	< 0.091 U	< 0.12 U	< 0.15 U	< 0.12 U	< 0.13 U	< 0.11 U	< 0.23 U	< 0.096 U	0.48 J	< 0.098 U	< 0.20 U	< 0.11 U	< 0.12 U	< 0.12 U	0.44 JB	0.19 U	< 0.22 U
MW-10	3/28/2002	32.89	5.42	27.47	< 0.091 U	< 0.12 U	< 0.15 U	< 0.12 U	< 0.13 U	< 0.11 U	< 0.23 U	< 0.096 U	0.44 J	< 0.13 U	< 0.20 U	< 0.11 U	< 0.12 U	< 0.12 U	< 0.098 U	0.22 U	< 0.22 U
MW-10	6/14/2002	32.89	6.08	26.81	< 0.091 U	< 0.12 U	< 0.15 U	< 0.12 U	< 0.13 U	< 0.11 U	< 0.23 U	< 0.096 U	0.41 J	< 0.13 U	< 0.20 U	< 0.11 U	< 0.12 U	< 0.12 U	0.24 J	0.22 U	< 0.22 U
MW-10	9/17/2002	32.89	7.25	25.64	< 0.091 U	< 0.12 U	< 0.15 U	< 0.12 U	< 0.13 U	< 0.11 U	< 0.23 U	< 0.096 U	0.59	< 0.13 U	< 0.20 U	< 0.11 U	< 0.12 U	< 0.12 U	< 0.098 U	0.22 U	< 0.22 U
MW-10	12/17/2002	32.89	6.58	26.31	< 0.50 U	< 0.50 U	< 2.0 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 2.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
MW-10	3/20/2003	32.89	5.62	27.27	< 0.50 U	< 0.50 U	< 2.0 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 2.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
MW-10	6/10/2003	32.89	6.40	26.49	< 0.091 U	< 0.12 U	< 0.15 U	< 0.12 U	< 0.13 U	< 0.11 U	< 0.23 U	< 0.096 U	0.37 J	< 0.13 U	< 0.20 U	< 0.11 U	< 0.12 U	< 0.12 U	0.43 JB	< 0.22 U	< 0.22 U
MW-10	9/10/2003	32.89	7.72	25.17	< 0.091 U	< 0.12 U	< 0.15 U	< 0.12 U	< 0.13 U	< 0.11 U	< 0.23 U	< 0.096 U	0.47 J	< 0.13 U	< 0.20 U	< 0.11 U	< 0.12 U	< 0.12 U	0.22 JB	< 0.22 U	< 0.22 U
MW-10	12/4/2003	32.89	6.07	26.82	< 0.091 U	< 0.12 U	< 0.15 U	< 0.12 U	< 0.13 U	< 0.11 U	< 0.23 U	< 0.096 U	0.46 J	< 0.13 U	< 0.20 U	< 0.11 U	< 0.12 U	< 0.12 U	< 0.098 U	< 0.22 U	< 0.22 U
MW-10	3/16/2004	32.89	5.73	27.16	< 0.091 U	< 0.12 U	< 0.15 U	< 0.12 U	< 0.13 U	< 0.11 U	< 0.23 U	< 0.096 U	0.45 J	< 0.13 U	< 0.20 U	< 0.11 U	< 0.12 U	< 0.12 U	0.17 J	< 0.22 U	< 0.22 U
MW-10	9/22/2004	32.89	6.71	26.18	< 0.091 U	< 0.12 U	< 0.15 U	< 0.12 U	< 0.13 U	< 0.11 U	< 0.23 U	< 0.096 U	0.34 J	< 0.13 U	< 0.20 U	< 0.11 U	< 0.12 U	< 0.12 U	< 0.098 U	< 0.22 U	< 0.22 U
MW-10	4/5/2005	32.89	5.66	27.23	< 0.091 U	< 0.12 U	< 0.15 U	< 0.12 U	< 0.13 U	< 0.11 U	< 0.23 U	< 0.096 U	0.33 J	< 0.13 U	< 0.20 U	< 0.11 U	< 0.12 U	< 0.14 U	0.42 J	< 0.22 U	< 0.22 U
MW-10	9/20/2005	32.89	7.29	25.60	< 0.11 U	< 0.13 U	< 0.15 U	< 0.12 U	< 0.14 U	< 0.14 U	< 0.23 U	< 0.14 U	0.41 J	< 0.13 U	< 0.20 U	< 0.13 U	< 0.12 U	< 0.14 U	0.16	< 0.22 U	< 0.042 U
MW-10	3/15/2006	32.89	5.42	27.47	< 0.11 U	< 0.13 U	< 0.15 U	< 0.12 U	< 0.14 U	< 0.14 U	< 0.23 U	< 0.14 U	0.26 J	< 0.13 U	< 0.20 U	< 0.13 U	< 0.12 U	< 0.14 U	0.16 J	< 0.22 U	< 0.042 U

Table 2
Historical Groundwater Analytical Results – Indicator Hazardous Substances
Five-Year Review Report
Univar Solutions Facility
8201 South 212th Street
Kent, Washington

Sample Location	Sample Date	TOC	DTW	GWE	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dichloroethane	1,2-Dichloropropane	Benzene	Chloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	Methylene Chloride	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Toluene	Total Xylenes	Vinyl Chloride
MTCA Method B CULs					7.7	7	80	0.48	1.20	0.80	--	1.40	16	700	5	5	200	0.54	640	1,600	0.50
MTCA CUL Rationale					Method B Cancer	Federal MCL	Method B Noncancer	Method B Cancer	Method B Cancer	Method B Cancer	No CUL	Method B Cancer	Method B Cancer	Federal MCL	Federal MCL	Federal MCL	Federal MCL	Method B Cancer	Method B Noncancer	Method B Noncancer	See Notes
MW-10	9/12/2006	32.89	7.53	25.36	< 0.11 U	< 0.13 U	< 0.15 U	< 0.12 U	< 0.14 U	< 0.14 U	< 0.23 U	< 0.14 U	0.30 J	< 0.13 U	< 0.20 U	< 0.13 U	< 0.12 U	< 0.14 U	< 0.11 U	< 0.22 U	< 0.042 U
MW-10	4/3/2007	32.89	5.27	27.62	< 0.11 U	< 0.13 U	< 0.15 U	< 0.12 U	< 0.14 U	< 0.14 U	< 0.23 U	< 0.14 U	0.20 J	< 0.13 U	< 0.20 U	< 0.13 U	< 0.12 U	< 0.14 U	< 0.11 U	< 0.22 U	< 0.042 U
MW-10	9/24/2007	32.89	7.25	25.64	< 0.11 U	< 0.13 U	< 0.15 U	< 0.12 U	< 0.14 U	< 0.14 U	< 0.23 U	< 0.14 U	0.14 J	< 0.13 U	< 0.20 U	< 0.13 U	< 0.12 U	< 0.14 U	< 0.11 U	< 0.22 U	< 0.042 U
MW-10	5/1/2008	32.89	5.76	27.13	< 0.04 U	< 0.10 U	< 0.04 U	< 0.07 U	< 0.04 U	< 0.05 U	< 0.13 U	< 0.04 U	0.17 J	< 0.042 U	< 0.23 U	< 0.077 U	< 0.05 U	< 0.06 U	0.15 J	< 0.12 U	< 0.07 U
MW-10	10/1/2008	32.89	6.96	25.93	< 0.042 U	< 0.10 U	< 0.037 U	**< 0.073 U**	< 0.042 U	< 0.045 U	< 0.13 U	< 0.042 U	0.22 J	< 0.042 U	< 0.23 U	< 0.077 U	< 0.05 U	< 0.061 U	0.14 JB	< 0.078 U	< 0.071 U
MW-10	3/24/2009	32.89	5.54	27.35	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.20 U
MW-10	9/30/2009	32.89	7.06	25.83	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.20 U
MW-10	3/30/2010	32.89	5.65	27.24	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	0.1 J	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.20 U
MW-10	9/28/2010	32.89	6.21	26.68	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.20 UJ
MW-10	3/4/2011	32.89	4.96	27.93	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.630 U	< 1.0 U	< 0.50 U	< 0.630 U	< 0.630 U	< 0.630 U	< 0.630 U	**< 0.630 U**	< 0.630 U	< 0.630 U	< 0.20 UJ
MW-10	9/26/2011	32.89	6.96	25.93	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.20 U
MW-10	3/7/2012	32.89	5.17	27.72	< 0.500 U	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 1.00 U	3.02	< 0.500 U	< 0.500 U	0.61	< 0.500 U	**1.39**	< 0.500 U	< 0.500 U	< 0.20 U
MW-10	9/28/2012	32.89	5.54	27.35	< 0.500 U	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 1.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.20 U
MW-10	3/5/2013	32.89	5.50	27.39	< 0.500 U	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 1.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.20 U
MW-10	9/26/2013	32.89	6.60	26.29	< 0.500 U	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 1.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.20 U
MW-10	3/27/2014	32.89	4.83	28.06	< 0.500 U	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 1.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.20 U
MW-10	9/24/2014	32.89	7.05	25.84	< 0.500 U	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 1.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.20 U
MW-10	3/18/2015	32.89	4.79	28.10	< 1.0 U	< 1.0 U	< 2.0 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	< 0.50 U	< 1.0 U	**< 1.0 U**	< 1.0 U	< 1.0 U	< 0.50 U
MW-10	9/14/2015	32.89	7.34	25.55	< 1.0 UJ	< 1.0 UJ	< 2.0 UJ	**< 0.50 UJ**	< 0.50 UJ	< 0.50 UJ	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ	< 5.0 U	< 0.50 UJ	< 1.0 UJ	**< 1.0 UJ**	< 1.0 UJ	< 1.0 U	< 0.50 UJ
MW-10	3/15/2016	32.89	4.75	28.14	< 1.0 U	< 1.0 U	< 2.0 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	< 0.50 U	< 1.0 U	**< 1.0 U**	< 1.0 U	< 1.0 U	< 0.50 U
MW-10	9/15/2016	32.89	7.18	25.71	< 1.0 U	< 1.0 U	< 2.0 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	< 0.50 U	< 1.0 U	**< 1.0 U**	< 1.0 U	< 1.0 U	< 0.50 U
MW-10	3/8/2017	32.89	4.84	28.05	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 2.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	< 0.50 U
MW-10	9/19/2017	32.89	7.12	25.77	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.20 U	< 0.13 U	< 0.13 U	< 0.13 U	< 2.0 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 1.0 U	< 0.13 U
MW-10	3/21/2018	32.89	5.41	27.48	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	**< 0.50 UJ**	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 2.0 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 1.0 U	< 0.50 UJ
MW-10	9/12/2018	32.89	7.21	25.68	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 2.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	< 0.50 U
MW-10	5/30/2019	32.89	5.95	26.94	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 2.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	< 0.50 U
MW-10	8/26/2019	32.89	6.83	26.06	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 2.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	< 0.50 U
MW-10	5/12/2020	32.77	5.50	27.27	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 2.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	< 0.50 U
MW-10	9/24/2020	32.77	7.00	25.77	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 2.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	< 0.50 U
MW-10	6/23/2022	32.77	5.61	27.16	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.20 U	< 0.13 U	< 0.13 U	< 0.13 U	1.70 JB	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U
MW-11	7/12/2001	32.79	--	--	< 0.91 U	< 1.20 U	--	**< 1.20 U**	**< 1.30 U**	--	< 1.80 U	< 0.96 U	**19**	--	< 2.0 U	**2,000**	< 1.20 U	**78**	--	--	**2.50 J**
MW-11	8/27/2001	32.79	6.88	25.91	< 5.0 U	< 5.0 U	--	**< 5.0 U**	**< 5.0 U**	**< 5.0 U**	< 5.0 U	**< 5.0 U**	**19**	< 5.0 U	**< 10.0 U**	**1,600**	< 5.0 U	**69**	< 5.0 U	< 5.0 U	**< 5.0 U**
MW-11	9/24/2001	32.79	6.88	25.91	< 5.0 U	< 5.0 U	--	**< 5.0 U**	**< 5.0 U**	**< 5.0 U**	< 5.0 U	**< 5.0 U**	**22**	< 5.0 U	**< 10.0 U**	**1,900**	< 5.0 U	**84**	< 5.0 U	< 5.0 U	**< 5.0 U**
MW-11	10/15/2001	32.79	6.88	25.91	1.4	0.53	--	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**28**	< 0.50 U	< 1.0 U	**1,600**	< 0.50 U	**83**	< 0.50 U	< 0.50 U	**1.20**
MW-11	10/15/2001	32.79	6.88	25.91	1.4	0.54	--	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**29**	< 0.50 U	< 1.0 U	**1,700**	< 0.50 U	**86**	< 0.50 U	< 0.50 U	**1.21**
MW-11	10/22/2001	32.79	7.14	25.65	< 5.0 U	< 5.0 U	--	**< 5.0 U**	**< 5.0 U**	**< 5.0 U**	< 5.0 U	**< 5.0 U**	**25**	< 5.0 U	**< 10.0 U**	**2,000**	< 5.0 U	**92**	< 5.0 U	< 5.0 U	**< 5.0 U**
MW-11	10/22/2001	32.79	7.14	25.65	< 2.5 U	< 2.5 U	--	**< 2.5 U**	**< 2.5 U**	**< 2.5 U**	< 2.5 U	**< 2.5 U**	**25**	< 2.5 U	< 5.0 U	**2,000**	< 2.5 U	**92**	< 2.5 U	< 2.5 U	**< 2.5 U**

Table 2
Historical Groundwater Analytical Results – Indicator Hazardous Substances
Five-Year Review Report
Univar Solutions Facility
8201 South 212th Street
Kent, Washington

Sample Location	Sample Date	TOC	DTW	GWE	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dichloroethane	1,2-Dichloropropane	Benzene	Chloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	Methylene Chloride	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Toluene	Total Xylenes	Vinyl Chloride
MTCA Method B CULs					**7.7**	**7**	**80**	**0.48**	**1.20**	**0.80**	**--**	**1.40**	**16**	**700**	**5**	**5**	**200**	**0.54**	**640**	**1,600**	**0.50**
MTCA CUL Rationale					**Method B Cancer**	**Federal MCL**	**Method B Noncancer**	**Method B Cancer**	**Method B Cancer**	**Method B Cancer**	**No CUL**	**Method B Cancer**	**Method B Cancer**	**Federal MCL**	**Federal MCL**	**Federal MCL**	**Federal MCL**	**Method B Cancer**	**Method B Noncancer**	**Method B Noncancer**	**See Notes**
MW-11	10/29/2001	32.79	6.98	25.81	< 5.0 U	< 5.0 U	--	**< 5.0 U**	**< 5.0 U**	**< 5.0 U**	< 5.0 U	**< 5.0 U**	**25**	< 5.0 U	**< 10.0 U**	**1,700**	< 5.0 U	**91**	< 5.0 U	< 5.0 U	**< 5.0 U**
MW-11	10/29/2001	32.79	6.98	25.81	< 5.0 U	< 5.0 U	--	**< 5.0 U**	**< 5.0 U**	**< 5.0 U**	< 5.0 U	**< 5.0 U**	**25**	< 5.0 U	**< 10.0 U**	**1,800**	< 5.0 U	**92**	< 5.0 U	< 5.0 U	**< 5.0 U**
MW-11	11/19/2001	32.79	6.27	26.52	< 5.0 U	< 5.0 U	--	**< 5.0 U**	**< 5.0 U**	**< 5.0 U**	< 5.0 U	**< 5.0 U**	**20**	< 5.0 U	**< 10.0 U**	**1,900**	< 5.0 U	**78**	< 5.0 U	< 5.0 U	**< 5.0 U**
MW-11	1/2/2002	32.79	5.34	27.45	< 0.46 U	< 0.60 U	< 0.71 U	**< 0.57 U**	< 0.62 U	< 0.53 U	< 1.20 U	< 0.48 U	**18**	< 0.49 U	< 0.97 U	**1,900**	< 0.56	**78**	< 0.49 U	< 0.93 U	**< 1.10 U**
MW-11	3/27/2002	32.79	5.25	27.54	< 0.91 U	< 1.20 U	< 1.50 U	**< 1.20 U**	**< 1.30 U**	**< 1.10 U**	< 2.30 U	< 0.96 U	**19**	< 1.30 U	4.0 J	**1,800**	< 1.20 U	**67**	< 0.98 U	< 2.20 U	**< 2.20 U**
MW-11	6/11/2002	32.79	5.95	26.84	< 0.46 U	< 0.60 U	< 0.71 U	**< 0.57 U**	< 0.62 U	< 0.53 U	< 1.20 U	< 0.48 U	**19**	< 0.49 U	< 0.97 U	**1,500**	< 0.57 U	**64**	< 0.49 U	< 1.50 U	**< 1.10 U**
MW-11	9/17/2002	32.79	7.16	25.63	< 0.91 U	< 1.20 U	< 1.5 U	**< 1.20 U**	**< 1.30 U**	**< 1.10 U**	< 2.30 U	< 0.96 U	16	< 1.30 U	< 2.0 U	**2,000**	< 1.20 U	**67**	< 0.98 U	< 2.20 U	**< 2.20 U**
MW-11	12/16/2002	32.79	6.50	26.29	2.2	< 1.0 U	< 4.0 U	**< 1.0 U**	< 1.0 U	**< 1.10 U**	< 1.0 U	< 1.0 U	7.9	< 1.0 U	< 4.0 U	**680**	< 1.0 U	**40**	< 1.0 U	< 1.0 U	**1.7**
MW-11	3/17/2003	32.79	5.48	27.31	< 1.0	< 0.60 U	< 0.71 U	**< 0.57 U**	< 0.62 U	< 0.53 U	< 1.20 U	< 0.48 U	7.5	< 0.65 U	1.30 J	**1,100**	< 0.57 U	**46**	< 0.49 U	< 1.10 U	**< 1.10 U**
MW-11	3/17/2003	32.79	5.48	27.31	< 1.1	< 0.60 U	< 0.71 U	**< 0.57 U**	< 0.62 U	< 0.53 U	< 1.20 U	< 0.48 U	7.5	< 0.65 U	1.30 J	**1,100**	< 0.57 U	**45**	< 0.49 U	< 1.10 U	**< 1.10 U**
MW-11	6/10/2003	32.79	6.28	26.51	0.90 J	< 0.60 U	< 0.71 U	**< 0.57 U**	< 0.62 U	< 0.53 U	< 1.20 U	< 0.50 J	7.4	< 0.65 U	< 0.97 U	**1,500**	< 0.57 U	**53**	< 0.85 u	< 1.10 U	**< 1.50 J**
MW-11	9/10/2003	32.79	7.61	25.18	< 0.46 U	< 0.60 U	< 0.71 U	**< 0.57 U**	< 0.62 U	< 0.53 U	< 1.20 U	< 0.50 J	6	< 0.65 U	< 0.97 U	**1,700**	0.75 J	**62**	< 0.49 U	< 1.10 U	**< 1.60 J**
MW-11	12/5/2003	32.79	5.94	26.85	2.9	0.40 J	< 0.29 U	< 0.23 U	0.25	**0.86 J**	< 0.46 U	0.20 J	8.8	< 0.26 U	< 0.39 U	**1,100**	0.30 J	**58**	< 0.20 U	< 0.44 U	**2.1**
MW-11	3/16/2004	32.79	5.57	27.22	0.55 J	< 0.60 U	< 0.71 U	**< 0.57 U**	< 0.62 U	< 0.53 U	< 1.20 U	0.55 J	5.2	< 0.65 U	< 0.97 U	**1,500**	0.65 J	**47**	< 0.49 U	< 1.5 U	**< 1.10 U**
MW-11	9/22/2004	32.79	6.62	26.17	0.70 J	< 0.30 U	< 0.36 U	< 0.29 U	< 0.31 U	< 0.27 U	< 0.57 U	0.43 J	6.3	< 0.33 U	< 0.49 U	**1,300**	0.58 J	**47**	< 0.25 U	< 0.55 U	**0.78 J**
MW-11	4/4/2005	32.79	5.57	27.22	0.68 J	< 0.31 U	< 0.36 U	< 0.29 U	< 0.35 U	< 0.34 U	< 0.57 U	< 0.34 U	13	< 0.33 U	< 0.49 U	**1,300**	0.50 J	**48**	0.58 J	< 0.55 U	**< 0.53 U**
MW-11	9/20/2005	32.79	7.16	25.63	0.45 J	0.19 J	< 0.15 U	< 0.12 U	< 0.14 U	< 0.14 U	< 0.23 U	0.21 J	**29**	< 0.13 U	< 0.20 U	**1,400**	0.61	**52**	0.17 J	< 0.22 U	0.35 J
MW-11	3/14/2006	32.79	5.21	27.58	0.65 J	< 0.61 U	< 0.71 U	**< 0.57 U**	< 0.70 U	< 0.68 U	< 1.20 U	< 0.68 U	**51**	< 0.65 U	< 0.97 U	**1,000**	0.60 J	**50**	< 0.54 U	< 1.1 U	**0.80 J**
MW-11	9/13/2006	32.79	7.42	25.37	< 0.51 U	< 0.61 U	< 0.71 U	**< 0.57 U**	< 0.70 U	< 0.68 U	< 1.20 U	< 0.68 U	**28**	< 0.65 U	< 0.97 U	**1,100**	< 0.58 U	**50**	< 0.54 U	< 1.1 U	**0.70 J**
MW-11	4/4/2007	32.79	5.14	27.65	< 0.51 U	< 0.61 U	< 0.71 U	**< 0.57 U**	< 0.70 U	< 0.68 U	< 1.20 U	< 0.68 U	**50**	< 0.65 U	< 0.97 U	**1,200**	< 0.58 U	**38**	< 0.54 U	< 1.1 U	**< 2.10 U**
MW-11	9/26/2007	32.79	7.16	25.63	< 0.51 U	< 0.61 U	< 0.71 U	**< 0.57 U**	< 0.70 U	< 0.68 U	< 1.20 U	< 0.68 U	**41**	< 0.65 U	< 0.97 U	**1,200**	< 0.58 U	**42**	< 0.54 U	< 1.1 U	**< 2.10 U**
MW-11	5/1/2008	32.79	5.65	27.14	< 0.11 U	< 0.25 U	< 0.09 U	< 0.19 U	< 0.11 U	< 0.12 U	< 0.33 U	0.20 J	**26**	< 0.11 U	< 0.58 U	**910**	0.28 J	**35**	< 0.13 UJD	< 0.29 U	< 0.18 U
MW-11	9/30/2008	32.79	6.86	25.93	< 0.21 U	< 0.50 U	< 0.19 U	< 0.37 U	< 0.21 U	< 0.23 U	< 0.65 U	< 0.21 U	**27**	< 0.21 U	< 1.20 U	**1,000**	0.25 J	**41**	0.25 JB	< 0.39 U	< 0.36 U
MW-11	4/1/2010	32.79	5.67	27.12	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	16	< 0.50 U	< 0.50 U	**290**	< 0.50 U	**44**	< 0.50 U	< 0.50 U	< 0.20 U
MW-11	4/9/2010	32.79	6.07	26.72	**< 10.0 U**	**< 10.0 U**	< 10.0 U	**< 10.0 U**	**< 10.0 U**	**< 10.0 U**	< 10.0 U	**< 20.0 U**	< 10.0 U	< 10.0 U	**< 10.0 U**	**850**	< 10.0 U	**35**	< 10 U	< 10 U	**< 4.0 U**
MW-11	4/16/2010	32.79	--	--	**< 10.0 U**	**< 10.0 U**	< 10.0 U	**< 10.0 U**	**< 10.0 U**	**< 10.0 U**	< 10.0 U	**< 20.0 U**	**22**	< 10.0 U	**< 10.0 U**	**500**	< 10.0 U	**66**	< 10 U	< 10 U	**4**
MW-11	5/6/2010	32.79	6.17	26.62	**< 10.0 U**	< 5.0 U	< 5.0 U	**< 5.0 U**	**< 5.0 U**	**< 5.0 U**	< 5.0 U	**< 20.0 U**	**24**	< 10.0 U	**< 10.0 U**	**530**	< 10.0 U	**43**	< 10 U	< 10 U	**< 1.0 U**
MW-11	6/9/2010	32.79	--	--	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	11	< 0.50 U	< 0.50 U	**680**	< 0.50 U	**33**	< 0.50 U	< 0.50 U	0.28
MW-11	6/9/2010 (LAB DUP)	32.79	--	--	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	9.3	< 0.50 U	< 0.50 U	**580**	< 0.50 U	**31**	< 0.50 U	< 0.50 U	0.21
MW-11	7/6/2010	32.79	5.82	26.97	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	**19**	< 0.50 U	< 0.50 U	**470**	< 0.50 U	**34**	--	--	--
MW-11	8/29/2019	32.79	6.72	26.07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-11	5/13/2020	32.79	5.36	27.43	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	7.4	< 0.50 U	< 2.0 U	3.9	< 0.50 U	**2.2**	< 0.50 U	< 1.0 U	**5.2**
MW-12	7/12/2001	32.81	--	--	< 2.30 U	< 3.0 U	--	**< 2.90 U**	**< 3.10 U**	--	< 4.40 U	**< 2.40 U**	**170**	--	< 4.90 U	**6,100**	< 2.80 U	**200**	--	--	**< 5.3 U**
MW-12	8/27/2001	32.81	6.89	25.92	**< 25.0 U**	**< 25.0 U**	--	**< 25.0 U**	**< 25.0 U**	**< 25.0 U**	< 25.0 U	**< 25.0 U**	**150**	< 25.0 U	**< 25.0 U**	**6,000**	< 25.0 U	**160**	< 25.0 U	< 25.0 U	**< 25.0 U**
MW-12	9/24/2001	32.81	6.89	25.92	< 5.0 U	< 5.0 U	--	**< 5.0 U**	**< 1.30 U**	**< 5.0 U**	< 5.0 U	**< 5.0 U**	**52**	< 5.0 U	< 0.50 U	**2,400**	< 5.0 U	**86**	< 5.0 U	< 5.0 U	**< 5.0 U**
MW-12	10/15/2001	32.81	8.24	24.57	< 5.0 U	< 5.0 U	--	**< 5.0 U**	**< 1.30 U**	**< 5.0 U**	< 5.0 U	**< 5.0 U**	**23**	< 5.0 U	**< 10.0 U**	**1,500**	< 5.0 U	**43**	< 5.0 U	< 5.0 U	**< 5.0 U**
MW-12	10/15/2001 (DUP)	32.81	8.24	24.57	< 5.0 U	< 5.0 U	--	**< 5.0 U**	**< 1.30 U**	**< 5.0 U**	< 5.0 U	**< 5.0 U**	**22**	< 5.0 U	**< 10.0 U**	**1,600**	< 5.0 U	**40**	< 5.0 U	< 5.0 U	**< 5.0 U**

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Sample Location	Sample Date	TOC	DTW	GWE	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dichloroethane	1,2-Dichloropropane	Benzene	Chloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	Methylene Chloride	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Toluene	Total Xylenes	Vinyl Chloride
MTCA Method B CULs					**7.7**	**7**	**80**	**0.48**	**1.20**	**0.80**	**--**	**1.40**	**16**	**700**	**5**	**5**	**200**	**0.54**	**640**	**1,600**	**0.50**
MTCA CUL Rationale					**Method B Cancer**	**Federal MCL**	**Method B Noncancer**	**Method B Cancer**	**Method B Cancer**	**Method B Cancer**	**No CUL**	**Method B Cancer**	**Method B Cancer**	**Federal MCL**	**Federal MCL**	**Federal MCL**	**Federal MCL**	**Method B Cancer**	**Method B Noncancer**	**Method B Noncancer**	**See Notes**
MW-12	10/22/2001	32.81	7.13	25.68	< 5.0 U	< 5.0 U	--	**< 5.0 U**	**< 1.30 U**	**< 5.0 U**	< 5.0 U	**< 5.0 U**	**48**	< 5.0 U	**< 10.0 U**	**2,600**	< 5.0 U	**66**	< 5.0 U	< 5.0 U	**< 5.0 U**
MW-12	10/22/2001	32.81	7.13	25.68	< 5.0 U	< 5.0 U	--	**< 5.0 U**	**< 1.30 U**	**< 5.0 U**	< 5.0 U	**< 5.0 U**	**39**	< 5.0 U	**< 10.0 U**	**2,400**	< 5.0 U	**62**	< 5.0 U	< 5.0 U	**< 5.0 U**
MW-12	10/29/2001	32.81	7.12	25.69	< 5.0 U	< 5.0 U	--	**< 5.0 U**	**< 1.30 U**	**< 5.0 U**	< 5.0 U	**< 5.0 U**	**61**	< 5.0 U	**< 10.0 U**	**2,300**	< 5.0 U	**76**	< 5.0 U	< 5.0 U	**< 5.0 U**
MW-12	10/29/2001 (DUP)	32.81	7.12	25.69	< 5.0 U	< 5.0 U	--	**< 5.0 U**	**< 1.30 U**	**< 5.0 U**	< 5.0 U	**< 5.0 U**	**60**	< 5.0 U	**< 10.0 U**	**2,100**	< 5.0 U	**70**	< 5.0 U	< 5.0 U	**< 5.0 U**
MW-12	11/19/2001	32.81	6.22	26.59	**< 10.0 U**	**< 10.0 U**	--	**< 10.0 U**	**< 10.0 U**	**< 10.0 U**	< 10.0 U	**< 10.0 U**	**190**	< 10.0 U	**< 20.0 U**	**3,300**	< 10.0 U	**210**	< 10.0 U	< 10.0 U	**< 10.0 U**
MW-12	1/3/2002	32.81	5.36	27.45	0.52 J	1.1	< 0.29 U	< 0.23 U	< 0.25 U	< 0.21 U	2.6	0.22 J	**340**	< 0.20 U	< 0.39 U	**440**	< 0.23 U	**72**	0.40 JB	0.62 J	< 0.43 U
MW-12	3/27/2002	32.81	5.28	27.53	< 0.91 U	**7.7**	< 1.50 U	**< 1.20 U**	**< 1.30 U**	**< 1.10 U**	< 2.30 U	< 0.96 U	**2,700**	< 1.30 U	< 2.0 U	**2,100**	< 1.20 U	**640**	< 0.98 U	< 2.20 U	**< 2.20 U**
MW-12	3/27/2002 (DUP)	32.81	5.28	27.53	< 0.91 U	**8.5**	< 1.50 U	**< 1.20 U**	**< 1.30 U**	**< 1.10 U**	< 2.30 U	< 0.96 U	**2,800**	< 1.30 U	< 2.0 U	**2,300**	< 1.20 U	**660**	< 0.98 U	< 2.20 U	**< 2.20 U**
MW-12	6/11/2002	32.81	5.97	26.84	< 0.91 U	5.5	< 1.50 U	**< 1.20 U**	**< 1.30 U**	**< 1.10 U**	< 2.30 U	< 0.96 U	**2,000**	< 1.30 U	< 2.0 U	**2,400**	< 1.20 U	**600**	< 0.98 U	< 2.20 U	**< 2.20 U**
MW-12	6/11/2002 (DUP)	32.81	5.97	26.84	< 0.91 U	5.6	< 1.50 U	**< 1.20 U**	**< 1.30 U**	**< 1.10 U**	< 2.30 U	< 0.96 U	**2,000**	< 1.30 U	< 2.0 U	**2,400**	< 1.20 U	**580**	< 0.98 U	< 2.20 U	**< 2.20 U**
MW-12	9/17/2002	32.81	7.16	25.65	< 0.91 U	**9.4**	< 1.50 U	**< 1.20 U**	**< 1.30 U**	**< 1.10 U**	< 2.30 U	< 0.96 U	**3,500**	< 1.30 U	< 2.0 U	**1,300**	< 1.20 U	**720**	< 0.98 U	< 2.20 U	**< 2.20 U**
MW-12	12/16/2002	32.81	6.51	26.30	< 5.0 U	**9.3**	**< 20.0 U**	**< 5.0 U**	**< 5.0 U**	**< 5.0 U**	< 5.0 U	**< 5.0 U**	**3,600**	< 5.0 U	**< 20.0 U**	**430**	< 5.0 U	**1,300**	< 5.0 U	< 5.0 U	**< 5.0 U**
MW-12	3/17/2003	32.81	5.50	27.31	< 0.46 U	5.5	< 0.71 U	**< 0.57 U**	< 0.62 U	< 0.53 U	< 1.20 U	< 0.48 U	**2,500**	< 0.65 U	< 1.50 U	**460**	< 0.57 U	**1,200**	< 0.49 U	< 1.10 U	**< 1.10 U**
MW-12	6/10/2003	32.81	6.30	26.51	< 0.91 U	< 4.80 J	< 1.50 U	**< 1.20 U**	**< 1.30 U**	**< 1.10 U**	< 2.30 U	< 0.96 U	**2,200**	< 1.30 U	< 2.0 U	**2,100**	< 1.20 U	**1,500**	< 0.98 U	< 2.20 U	**< 2.20 U**
MW-12	9/10/2003	32.81	7.64	25.17	< 0.91 U	< 4.50 J	< 1.50 U	**< 1.20 U**	**< 1.30 U**	**< 1.10 U**	< 2.30 U	< 0.96 U	**2,400**	< 1.30 U	< 2.0 U	**900**	< 1.20 U	**3,500**	< 1.0 U	< 2.20 U	**12**
MW-12	12/5/2003	32.81	5.98	26.83	< 0.91 U	4.7	< 0.71 U	**< 0.57 U**	< 0.62 U	< 0.53 U	< 1.20 U	< 0.48 U	**2,000**	< 0.65 U	< 1.30 U	**1,500**	< 0.57 U	**2,100**	< 0.49 U	< 1.10 U	**37**
MW-12	3/16/2004	32.81	5.60	27.21	< 0.37 U	4.8	< 0.57 U	< 0.46 U	< 0.50 U	< 0.42 U	< 0.91 U	< 0.39 U	**2,500**	< 0.52 U	< 0.78 U	**2,100**	< 0.46 U	**1,200**	< 0.39 U	< 1.20 U	**57**
MW-12	9/22/2004	32.81	6.64	26.17	< 0.46 U	4.1	< 0.71 U	**< 0.57 U**	< 0.62 U	< 0.53 U	< 1.20 U	< 0.48 U	**2,300**	< 0.65 U	< 0.97 U	**880**	< 0.57 U	**1,700**	< 0.49 U	< 1.10 U	**60**
MW-12	4/4/2005	32.81	5.55	27.26	< 0.51 U	3.2	< 0.71 U	**< 0.57 U**	< 0.70 U	< 0.68 U	< 1.20 U	< 0.68 U	**2,200**	< 0.65 U	< 0.97 U	**760**	< 0.58 U	**1,000**	< 0.54 U	< 1.10 U	**18**
MW-12	9/20/2005	32.81	7.19	25.62	< 1.1 U	4.40 J	< 1.5 U	**< 1.2 U**	**< 1.4 U**	**< 1.4 U**	< 2.3 U	< 1.4 U	**2,800**	< 1.3 U	< 2.0 U	**390**	< 1.20 U	**1,500**	< 1.10 U	< 2.20 U	**38**
MW-12	3/14/2006	32.81	5.23	27.58	< 0.51 U	2.40 J	< 0.71 U	**< 0.57 U**	< 0.70 U	< 0.68 U	< 1.20 U	< 0.68 U	**1,700**	< 0.65 U	< 0.97 U	**1,100**	< 0.58 U	**500**	< 0.54 U	< 1.10 U	**15**
MW-12	9/13/2006	32.81	7.45	25.36	0.15 J	4.2	< 0.15 U	< 0.12 U	< 0.14 U	< 0.14 U	< 0.23 U	< 0.14 U	**2,600**	< 0.13 U	< 0.20 U	**400**	< 0.12 U	**1,400**	< 0.11 U	< 0.22 U	**54**
MW-12	4/4/2007	32.81	5.14	27.67	< 0.51 U	1.50 J	< 0.71 U	**< 0.57 U**	< 0.70 U	< 0.68 U	< 1.20 U	< 0.68 U	**1,200**	< 0.65 U	< 0.97 U	**1,200**	< 0.58 U	**450**	< 0.54 U	< 1.10 U	**3.8**
MW-12	9/26/2007	32.81	7.18	25.63	< 0.51 U	3	< 0.71 U	**< 0.57 U**	< 0.70 U	< 0.68 U	< 1.20 U	< 0.68 U	**1,700**	< 0.65 U	< 0.97 U	**470**	< 0.58 U	**1,100**	< 0.54 U	< 1.10 U	**39**
MW-12	5/1/2008	32.81	5.68	27.13	< 0.11 U	1.4	< 0.09 U	< 0.19 U	< 0.11 U	0.15 JD	< 0.33 U	0.15 JD	**1,000**	< 0.11 U	< 0.58 U	**850**	< 0.13 U	**390**	0.18 JD	< 0.29 U	**5.9**
MW-12	9/30/2008	32.81	6.88	25.93	< 0.42 U	2.70 J	< 0.37 U	**< 0.73 U**	< 0.42 U	< 0.45 U	< 1.30 U	< 0.42 U	**1,500**	< 0.42 U	< 2.30 U	**580**	< 0.5 U	**780**	< 0.48 U	< 0.78 U	**54**
MW-12	3/26/2009	32.81	5.44	27.37	**< 25.0 U**	**< 25.0 U**	< 25.0 U	**< 25.0 U**	**< 25.0 U**	**< 25.0 U**	< 25.0 U	**< 50.0 U**	**843**	< 25.0 U	**< 25.0 U**	**710**	< 25.0 U	**600**	< 25.0 U	< 25.0 U	**93**
MW-12	9/29/2009	32.81	7.00	25.81	< 5.0 U	4.50 J	< 5.0 U	**< 5.0 U**	**< 5.0 U**	**< 5.0 U**	< 5.0 U	**< 10 U**	**2,200**	< 5.0 U	< 5.0 U	**320**	< 5.0 U	**1,400**	< 5.0 U	< 5.0 U	**150**
MW-12	4/1/2010	32.81	5.69	27.12	< 0.50 U	1	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	**260**	< 0.50 U	< 0.50 U	**400**	< 0.50 U	**170**	< 0.50 U	< 0.50 U	**9.4**
MW-12	9/28/2010	32.81	6.12	26.69	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	**334**	< 0.50 U	< 0.50 U	**377**	< 0.50 U	**232**	< 0.50 U	< 0.50 U	**17.2**
MW-12	3/3/2011	32.81	4.86	27.95	< 0.50 U	0.73	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	**239**	< 0.50 U	< 0.50 U	**856**	< 0.50 U	**257**	< 0.50 U	< 0.50 U	**8.93**
MW-12	6/22/2011	32.81	5.46	27.35	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	**314**	< 0.50 U	< 0.50 U	**429**	< 0.50 U	**215**	< 0.50 U	< 0.50 U	**11.7**
MW-12	9/22/2011	32.81	6.87	25.94	< 0.50 U	2.33	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	**747**	< 0.50 U	< 0.50 U	**128 J**	< 0.50 U	**461**	< 0.50 U	< 0.50 U	**95**
MW-12	9/22/2011 (DUP)	32.81	6.87	25.94	< 0.50 U	2.11	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	**680**	< 0.50 U	< 0.50 U	**200 J**	< 0.50 U	**529**	< 0.50 U	< 0.50 U	**93**
MW-12	12/7/2011	32.81	6.10	26.71	< 0.50 U	1.35	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	**478**	< 0.50 U	< 0.50 U	**461**	< 0.50 U	**409**	< 0.50 U	< 0.50 U	**47.5**
MW-12	3/7/2012	32.81	5.07	27.74	< 0.500 U	1.32	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 1.00 U	**579**	< 0.500 U	< 0.500 U	**337**	< 0.500 U	**155**	< 0.500 U	< 0.500 U	**26.3**
MW-12	3/7/2012 (DUP)	32.81	5.07	27.74	< 0.500 U	1.37	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	0.63	< 1.00 U	**589**	< 0.500 U	< 0.500 U	**332**	< 0.500 U	**164**	< 0.500 U	< 0.500 U	**26.2**
MW-12	6/26/2012	32.81	5.44	27.37	< 0.500 U	1.31	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	1.47	< 1.00 U	**636**	< 0.500 U	< 0.500 U	**407**	< 0.500 U	**218**	< 0.500 U	< 0.500 U	**35.2**

Table 2
Historical Groundwater Analytical Results – Indicator Hazardous Substances
Five-Year Review Report
Univar Solutions Facility
8201 South 212th Street
Kent, Washington

Sample Location	Sample Date	TOC	DTW	GWE	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dichloroethane	1,2-Dichloropropane	Benzene	Chloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	Methylene Chloride	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Toluene	Total Xylenes	Vinyl Chloride
MTCA Method B CULs					7.7	7	80	0.48	1.20	0.80	--	1.40	16	700	5	5	200	0.54	640	1,600	0.50
MTCA CUL Rationale					Method B Cancer	Federal MCL	Method B Noncancer	Method B Cancer	Method B Cancer	Method B Cancer	No CUL	Method B Cancer	Method B Cancer	Federal MCL	Federal MCL	Federal MCL	Federal MCL	Method B Cancer	Method B Noncancer	Method B Noncancer	See Notes
MW-12	10/2/2012	32.81	5.44	27.37	< 0.500 U	2.71	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 1.00 U	**961**	< 0.500 U	< 0.500 U	**47.6**	< 0.500 U	**217**	< 0.500 U	< 0.500 U	**100**
MW-12	12/19/2012	32.81	5.10	27.71	< 0.500 U	2.36	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 1.00 U	**676**	< 0.500 U	< 0.500 U	**151**	< 0.500 U	**225**	< 0.500 U	< 0.500 U	**41.1**
MW-12	3/6/2013	32.81	5.40	27.41	< 0.500 U	2.01	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 1.00 U	**901**	< 0.500 U	< 0.500 U	**64**	< 0.500 U	**131**	< 0.500 U	< 0.500 U	**36.1**
MW-12	6/6/2013	32.81	5.75	27.06	< 0.500 U	1.34	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	1.35	< 1.00 U	**576**	< 0.500 U	< 0.500 U	**293**	< 0.500 U	**312**	< 0.500 U	< 0.500 U	**34.7**
MW-12	9/25/2013	32.81	6.55	26.26	< 0.500 U	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 1.00 U	**78**	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	**43.8**
MW-12	3/25/2014	32.81	4.69	28.12	< 0.500 U	1.61	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 1.00 U	**693**	< 0.500 U	< 0.500 U	**140**	< 0.500 U	**211**	< 0.500 U	< 0.500 U	**24.8**
MW-12	3/25/2014 (DUP)	32.81	4.69	28.12	< 0.500 U	1.61	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 1.00 U	**633**	< 0.500 U	< 0.500 U	**144**	< 0.500 U	**226**	< 0.500 U	< 0.500 U	**24.6**
MW-12	9/23/2014	32.81	6.98	25.83	< 0.500 U	1.27	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 1.00 U	**996**	< 0.500 U	< 0.500 U	**9.99**	< 0.500 U	**40**	< 0.500 U	< 0.500 U	**74**
MW-12	3/16/2015	32.81	4.90	27.91	**< 10.0 U**	**< 10.0 U**	< 20.0 U	**< 5.0 U**	**< 5.0 U**	**< 5.0 U**	< 10.0 U	**< 10.0 U**	**468**	< 10.0 U	**< 50 U**	**21.9**	< 10.0 U	**36.3**	< 10.0 U	--	**16.2**
MW-12	3/16/2015	32.81	4.90	27.91	**< 10.0 U**	**< 10.0 U**	< 20.0 U	**< 5.0 U**	**< 5.0 U**	**< 5.0 U**	< 10.0 U	**< 10.0 U**	**464**	< 10.0 U	**< 50 U**	**24.7**	< 10.0 U	**38.1**	< 10.0 U	--	**12.9**
MW-12	9/15/2015	32.81	7.27	25.54	**< 10.0 U**	**< 10.0 U**	< 20.0 U	**< 5.0 U**	**< 5.0 U**	**< 5.0 U**	< 10.0 U	**< 10.0 U**	**595**	< 10.0 U	**< 50 U**	**10**	< 10.0 U	**15.9**	< 10.0 U	--	**41**
MW-12	9/15/2015	32.81	7.27	25.54	**< 10.0 U**	**< 10.0 U**	< 20.0 U	**< 5.0 U**	**< 5.0 U**	**< 5.0 U**	< 10.0 U	**< 10.0 U**	**581**	< 10.0 U	**< 50 U**	**6.2**	< 10.0 U	**14.7**	< 10.0 U	--	**35.7**
MW-12	3/15/2016	32.81	4.35	28.46	< 1.0 U	0.24 J	< 2.0 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 1.0 U	< 1.0 U	**136**	< 1.0 U	**< 50 U**	**116**	< 10.0 U	**40.5**	< 10.0 U	--	**7**
MW-12	3/15/2016	32.81	4.35	28.46	**< 10.0 U**	**< 10.0 U**	< 20.0 U	**< 5.0 U**	**< 5.0 U**	**< 5.0 U**	< 10.0 U	**< 10.0 U**	**134**	< 10.0 U	< 5.0 U	**97**	< 10.0 U	**32.7**	< 10.0 U	--	**4.4 J**
MW-12	9/14/2016	32.81	7.10	25.71	< 1.0 U	1.1	< 2.0 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 1.0 U	< 1.0 U	**610**	< 1.0 U	**< 50 U**	4.2	< 10.0 U	**12.8**	< 10.0 U	--	**49.5**
MW-12	9/14/2016	32.81	7.10	25.71	**< 10.0 U**	< 10.0 U	< 20.0 U	**< 5.0 U**	**< 5.0 U**	**< 5.0 U**	< 10.0 U	**< 10.0 U**	**613**	< 10.0 U	< 5.0 U	**11.3**	< 10.0 U	**16.3**	< 10.0 U	--	**38**
MW-12	3/6/2017	32.81	4.64	28.17	< 2.50 U	< 2.50 U	< 2.50 U	**< 2.50 U**	**< 2.50 U**	**< 2.50 U**	< 2.50 U	**< 2.50 U**	**23.5**	< 2.50 U	**< 10 U**	**72**	< 2.50 U	**21.5**	< 2.50 U	--	**1.2 J**
MW-12	3/6/2017	32.81	4.64	28.17	< 2.50 U	< 2.50 U	< 2.50 U	**< 2.50 U**	**< 2.50 U**	**< 2.50 U**	< 2.50 U	**< 2.50 U**	**23.2**	< 2.50 U	**< 10 U**	**73**	< 2.50 U	**21.8**	< 2.50 U	--	**1.2 J**
MW-12	9/20/2017	32.81	7.06	25.75	< 0.13 U	0.74	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.20 U	< 0.13 U	**502**	< 0.13 U	< 2.0 U	**20.4**	< 0.13 U	**32.3**	< 0.13 U	--	**16.8**
MW-12	9/20/2017	32.81	7.06	25.75	< 0.13 U	0.74 J	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.20 U	< 0.13 U	**444 J**	< 0.13 U	< 2.0 U	**20.9 J**	< 0.13 U	**33.4 J**	< 0.13 U	--	**16.7**
MW-12	3/20/2018	32.81	5.33	27.48	< 0.50 UJ	0.16 J-	< 0.50 UJ	**< 0.50 UJ**	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	**84.0 J-**	< 0.50 UJ	< 2.0 U	**89.0 J-**	< 0.50 UJ	**18.1 J-**	< 0.50 UJ	--	**3.1 J-**
MW-12	3/20/2018	32.81	5.33	27.48	< 0.50 UJ	0.16 J-	< 0.50 UJ	**< 0.50 UJ**	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	**110 J-**	< 0.50 UJ	< 2.0 U	**95.4 J-**	< 0.50 UJ	**18.4 J-**	< 0.50 UJ	--	**3.6 J-**
MW-12	9/11/2018	32.81	7.15	25.66	< 5.0 U	< 5.0 U	< 5.0 U	**< 5.0 U**	**< 5.0 U**	**< 5.0 U**	< 5.0 U	**< 5.0 U**	**416**	< 5.0 U	**< 20.0 U**	**21.2**	< 5.0 U	**15.6**	< 5.0 U	--	**28.7**
MW-12	9/11/2018	32.81	7.15	25.66	< 5.0 U	< 5.0 U	< 5.0 U	**< 5.0 U**	**< 5.0 U**	**< 5.0 U**	< 5.0 U	**< 5.0 U**	**395**	< 5.0 U	**< 20.0 U**	**18.6**	< 5.0 U	**14.7**	< 5.0 U	--	**26.3**
MW-12	6/3/2019	32.81	5.87	26.94	< 0.50 U	0.19 J	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**147**	< 0.50 U	< 2.0 U	**55**	< 0.50 U	**11.6**	< 0.50 U	< 1.0 U	**6.1**
MW-12	6/3/2019	32.81	5.87	26.94	< 0.50 U	0.17 J	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**143**	< 0.50 U	< 2.0 U	**52**	< 0.50 U	**11.3**	< 0.50 U	< 1.0 U	**5.5**
MW-12	8/27/2019	32.81	6.72	26.09	< 5.0 U	< 5.0 U	< 5.0 U	**< 5.0 U**	**< 5.0 U**	**< 5.0 U**	< 5.0 U	**< 5.0 U**	**252**	< 5.0 U	**13.6 J**	**29**	< 5.0 U	**10.1**	< 5.0 U	< 10 U	**10**
MW-12	8/27/2019	32.81	6.72	26.09	< 2.50 U	< 2.50 U	< 2.50 U	**< 2.50 U**	**< 2.50 U**	**< 2.50 U**	< 2.50 U	**< 2.50 U**	**240**	< 2.50 U	**<10.0 U**	**26.6**	< 2.50 U	**9.2**	< 2.50 U	< 5 U	**9**
MW-12	5/13/2020	32.74	5.25	27.49	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	3.2	< 0.50 U	< 2.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	**3.5**
MW-12	5/13/2020	32.74	5.25	27.49	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	3.5	< 0.50 U	< 2.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	**3.8**
MW-12	9/25/2020	32.74	6.70	26.04	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**20.5**	0.21 J	< 2.0 U	2.7	< 0.50 U	**3.9**	< 0.50 U	0.89 J	**4.3**
MW-12	6/23/2022	32.74	5.65	27.09	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.20 U	< 0.13 U	**28.7**	< 0.13 U	1.70 JB	**81.6^e**	< 0.13 U	**5.1**	< 0.13 U	< 0.13 U	**1.6**
MW-13	3/31/2003	32.81	5.43	27.38	**2,700**	**320**	**260**	**< 25.0 U**	**< 25.0 U**	**< 25.0 U**	260	**< 25.0 U**	**23,000**	**1,600**	**< 100 U**	**< 25.0 U**	**2,900**	**< 25.0 U**	**21,000**	**6,900**	**1,100**
MW-13	5/14/2003	32.81	5.43	27.38	**3,600**	**440**	**320**	**< 12.0 U**	**< 13.0 U**	**< 11.0 U**	440	**< 9.60 U**	**25,000**	**1,900**	**23 J**	**< 11.0 U**	**3,700**	**< 12.0 U**	**21,000**	**8,100**	**1,200**
MW-13	6/11/2003	32.81	6.09	26.72	**3,900**	**440**	**370**	**< 12.0 U**	**< 13.0 U**	**< 11.0 U**	490	**< 9.60 U**	**26,000**	**2,300**	**25 J**	**< 11.0 U**	**3,600**	**< 12.0 U**	**20,000**	**9,800**	**1,200**
MW-13	6/11/2003 (DUP)	32.81	6.09	26.72	**4,000**	**450**	**410**	**< 12.0 U**	**< 13.0 U**	**< 11.0 U**	470	**< 9.60 U**	**29,000**	**2,500**	**30 J**	**< 11.0 U**	**3,800**	**< 12.0 U**	**22,000**	**10,600**	**1,300**
MW-13	9/11/2003	32.81	7.65	25.16	**4,400**	**460**	**400**	**< 5.7 U**	**< 6.2 U**	**< 5.50 U**	490	**< 4.80 U**	**30,000**	**2,400**	**25 J**	**< 5.50 U**	**4,100**	**< 5.9 U**	**25,000**	**10,200**	**1,400**

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Sample Location	Sample Date	TOC	DTW	GWE	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dichloroethane	1,2-Dichloropropane	Benzene	Chloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	Methylene Chloride	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Toluene	Total Xylenes	Vinyl Chloride
MTCA Method B CULs					**7.7**	**7**	**80**	**0.48**	**1.20**	**0.80**	**--**	**1.40**	**16**	**700**	**5**	**5**	**200**	**0.54**	**640**	**1,600**	**0.50**
MTCA CUL Rationale					**Method B Cancer**	**Federal MCL**	**Method B Noncancer**	**Method B Cancer**	**Method B Cancer**	**Method B Cancer**	**No CUL**	**Method B Cancer**	**Method B Cancer**	**Federal MCL**	**Federal MCL**	**Federal MCL**	**Federal MCL**	**Method B Cancer**	**Method B Noncancer**	**Method B Noncancer**	**See Notes**
MW-13	12/4/2003	32.81	5.91	26.90	**5,600**	**490**	**510**	**< 5.7 U**	**< 6.2 U**	**< 6.50 U**	380	**< 4.80 U**	**33,000**	**2,900**	**25 J**	**< 5.50 U**	**3,300**	**< 5.9 U**	**29,000**	**12,300**	**1,800**
MW-13	3/15/2004	32.81	5.55	27.26	**6,200**	**490**	**540**	**< 5.7 U**	**< 6.2 U**	**< 7.0 U**	310	**< 4.80 U**	**38,000**	**2,900**	**26 J**	**< 5.50 U**	**2,900**	**< 5.9 U**	**32,000**	**14,000**	**1,700**
MW-13	6/10/2004	32.81	6.44	26.37	**5,300**	**470**	**310**	**< 12 U**	**< 13 U**	**< 11 U**	260	**< 9.60 U**	**31,000**	**2,300**	**58**	**< 11.0 U**	**2,800**	**< 12.0 U**	**25,000**	**10,300**	**2,200**
MW-13	9/23/2004	32.81	6.60	26.21	**4,500**	**370**	**320**	**< 12 U**	**< 13 U**	**< 11 U**	380	**< 9.60 U**	**22,000**	**2,000**	**25 J**	**--**	**2,600**	**< 12.0 U**	**17,000**	**8,900**	**2,100**
MW-13	9/24/2004	32.81	6.60	26.21	--	--	--	--	--	--	--	--	--	--	0.39 J	--	26	--	--	--	--
MW-13	4/5/2005	32.81	5.50	27.31	**100**	**7.4**	5.7	< 0.12 U	< 0.14 U	< 0.14 U	5.3	< 0.14 U	**470**	34	3.20 J	--	**280**	< 0.14 U	210	120	**86**
MW-13	9/21/2005	32.81	7.10	25.71	**930**	**44**	70	**0.50 J**	< 0.28 U	**1.4**	340	< 0.28 U	**2,900**	620	**12.0 J**	--	**220**	0.28 J	**2,900**	**2,570**	**740**
MW-13	3/15/2006	32.81	6.14	26.67	**1,100**	**13**	79	**< 2.30 U**	**< 2.80 U**	**< 2.80 U**	450	**< 54.0 U**	**1,100**	580	**10.0 J**	--	150	**< 2.7 U**	**3,400**	**2,830**	**1,900**
MW-13	9/14/2006	32.81	7.44	25.37	**1,300**	**65**	**130**	**< 5.7 U**	**< 7.0 U**	**< 6.80 U**	860	**< 6.80 U**	**5,400**	**990**	**18.0 J**	--	73	**< 6.7 U**	**7,100**	**4,900**	**1,900**
MW-13	4/4/2007	32.81	4.40	28.41	**2,800**	**130**	**300**	**< 5.7 U**	**< 7.0 U**	**< 6.8 U**	350	**< 6.80 U**	**11,000**	**1,800**	**8.30 J**	--	100	**< 6.7 U**	**13,000**	**8,000**	**1,800**
MW-13	9/25/2007	32.81	7.11	25.70	**1,600**	**89**	**250**	**< 2.90 U**	**< 3.50 U**	**< 3.4 U**	480	**< 3.40 U**	**6,700**	**1,400**	**8.20 J**	--	50	**< 3.4 U**	**9,800**	**6,200**	**1,500**
MW-13	5/2/2008	32.81	5.61	27.20	**1,300**	**71**	**290**	**< 1.50 U**	< 0.84 U	**2.4 J**	680	< 0.84 U	**5,600**	**1,600**	**5.80 J**	--	60	**< 1.30 U**	**9,300**	**6,800**	**2,900**
MW-13	9/30/2008	32.81	6.78	26.03	**1,100**	**72**	**230**	**< 1.90 U**	< 1.10 U	**1.3 J**	550	< 1.10 U	**6,800**	**1,500**	**< 5.80 U**	< 2.0 U	60	**< 1.60 U**	**7,800**	**6,300**	**1,600**
MW-13	3/25/2009	32.81	5.34	27.47	**1,050**	**46**	**280**	**< 25.0 U**	**< 25.0 U**	**< 25.0 U**	800	**< 50.0 U**	**3,900**	**1,700**	**< 25.0 U**	**< 25.0 U**	< 25.0 U	**< 25.0 U**	**8,600**	**6,650**	**2,300**
MW-13	9/30/2009	32.81	6.87	25.94	**240**	**25**	**110**	**< 25.0 U**	**< 25.0 U**	**< 25.0 U**	1,200	**< 50.0 U**	**86**	**1,100**	**< 25.0 U**	**< 25.0 U**	< 25.0 U	**< 25.0 U**	**5,000**	**5,000**	**300**
MW-13	3/29/2010	32.81	5.73	27.08	**180**	**10**	**86**	**< 10.0 U**	**< 10.0 U**	**< 10.0 U**	280	**< 20.0 U**	**500**	**710**	**< 10.0 U**	**< 10.0 U**	< 10.0 U	**< 10.0 U**	**2,200**	**1,700**	**900**
MW-13	3/29/2010 (LAB DUP)	32.81	5.73	27.08	**200**	**10**	**110**	**< 10.0 U**	**< 10.0 U**	**< 10.0 U**	310	**< 20.0 U**	**580**	**810**	**< 10.0 U**	**< 10.0 U**	< 10.0 U	**< 10.0 U**	**2,400**	**1,900**	**890**
MW-13	4/7/2010	32.81	6.21	26.60	**480**	**10**	**540**	**< 10.0 U**	**< 10.0 U**	**< 10.0 U**	480	**< 20.0 U**	**1,800**	**2,100**	**< 10.0 U**	**< 10.0 U**	< 10.0 U	**< 10.0 U**	**4,600**	**4,200**	**2,700**
MW-13	4/16/2010	32.81	6.21	26.60	**1,100**	**20**	**640**	**< 10.0 U**	**< 10.0 U**	**< 10.0 U**	840	**< 20.0 U**	**3,300**	**2,800**	**< 10.0 U**	**< 10.0 U**	< 10.0 U	**< 10.0 U**	**5,400**	**5,800**	**4,000**
MW-13	5/6/2010	32.81	6.17	26.64	**820**	**11**	**340**	**< 10.0 U**	**< 10.0 U**	**< 10.0 U**	640	**< 20.0 U**	**1,900**	**2,000**	**< 10.0 U**	< 5.0 U	< 10.0 U	**< 5.0 U**	**6,200**	**4,900**	**3,100**
MW-13	6/9/2010	32.81	6.17	26.64	**720**	**11**	**280**	**< 10.0 U**	**< 10.0 U**	**< 10.0 U**	1,200	**< 20.0 U**	**1,500**	**1,800**	**< 10.0 U**	**20**	< 10.0 U	**< 5.0 U**	**5,600**	**3,900**	**4,700**
MW-13	7/6/2010	32.81	5.76	27.05	**510**	**9.5**	**280**	**< 10.0 U**	**< 10.0 U**	**< 10.0 U**	1,400	**< 20.0 U**	**1,300**	**1,700**	**< 10.0 U**	< 5.0 U	< 10.0 U	**< 5.0 U**	**8,300**	**3,500**	**6,500**
MW-13	9/30/2010	32.81	6.07	26.74	**71**	**< 10 U**	**130**	**< 10.0 U**	**< 10.0 U**	**< 10.0 U**	820	**< 20.0 U**	**57**	**1,010**	**10.8**	< 5.0 U	< 10.0 U	**< 5.0 U**	**4,180**	**2,560**	**221**
MW-13	3/3/2011	32.81	4.81	28.00	**97**	1.27	**143**	**< 0.50 U**	< 0.50 U	0.72	435	< 1.0 U	**245**	521	< 0.50 U	1.14	< 0.50 U	< 0.50 U	**2,870**	**3,320**	**533**
MW-13	6/23/2011	32.81	5.35	27.46	**26**	< 0.50 U	**105**	**< 0.50 U**	0.610 J	0.5	216	< 1.0 U	**18**	619	0.84	< 0.50 U	< 0.50 U	< 0.50 U	**1,170**	**2,405**	**99**
MW-13	9/22/2011	32.81	6.76	26.05	**47.50**	< 0.50 U	**143**	**< 0.50 U**	< 0.50 U	0.68	< 0.50 U	< 1.0 U	**65**	**1,110**	2.39	< 0.50 U	< 0.50 U	< 0.50 U	**4,100**	**4,480**	**302**
MW-13	12/7/2011	32.81	6.01	26.80	**30.2**	< 0.50 U	**218**	**< 0.50 U**	< 0.50 U	0.63	518	< 1.0 U	**44.2**	**1,270**	1.72	0.68	< 0.50 U	< 0.50 U	**3,690**	**5,170**	**285**
MW-13	12/7/2011 (DUP)	32.81	6.01	26.80	**30.4**	< 0.50 U	**212**	**< 0.50 U**	< 0.50 U	0.63	521	< 1.0 U	**42**	**1,090**	1.83	0.7	< 0.50 U	< 0.50 U	**3,360**	**4,820**	**270**
MW-13	3/7/2012	32.81	5.00	27.81	**14.2**	< 0.500 U	**192**	**< 0.500 U**	< 0.500 U	0.6	313	< 1.00 U	14.7	**921**	0.87	< 0.500 U	< 0.500 U	< 0.500 U	**1,230**	**3,862**	**93**
MW-13	6/27/2012	32.81	5.38	27.43	**22.7**	< 0.500 U	**102**	**< 0.500 U**	< 0.500 U	0.59	318	< 1.00 U	**19.1**	606	0.8	< 0.500 U	< 0.500 U	< 0.500 U	574	**2,437**	**103**
MW-13	10/2/2012	32.81	5.38	27.43	3	< 0.500 U	**100**	**< 0.500 U**	< 0.500 U	0.73	256	< 1.00 U	1.91	438	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	26.4	**1,748**	**2.11**
MW-13	12/19/2012	32.81	5.05	27.76	2.4	< 0.500 U	**120**	**< 0.500 U**	< 0.500 U	< 0.500 U	233	< 1.00 U	< 0.500 U	464	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	94	**1,827**	**1.08**
MW-13	3/7/2013	32.81	5.30	27.51	< 0.500 U	< 0.500 U	**113 J**	**< 0.500 U**	0.770	**0.86**	278	< 1.00 U	< 0.500 U	648 J	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	19.2	**2628 J**	**0.960 J**
MW-13	6/6/2013	32.81	5.75	27.06	1.12	< 0.500 U	**97**	**< 0.500 U**	< 0.500 U	0.68	291	< 1.00 U	0.93	388	0.56	< 0.500 U	< 0.500 U	< 0.500 U	64	1,409	**1.81**
MW-13	9/25/2013	32.81	6.42	26.39	2.5	< 0.500 U	**205**	**< 0.500 U**	0.84	0.53	250	< 1.00 U	0.5	611	0.69	< 0.500 U	< 0.500 U	< 0.500 U	289	**2,250**	< 0.20 U
MW-13	3/26/2014	32.81	4.62	28.19	< 0.500 U	< 0.500 U	74	**< 0.500 U**	< 0.500 U	< 0.500 U	147	< 1.00 U	1.04	205	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	1.71	505	< 0.20 U
MW-13	9/23/2014	32.81	6.88	25.93	1.07	< 0.500 U	**133**	**< 0.500 U**	< 0.500 U	< 0.500 U	162	< 1.00 U	< 0.500 U	475	< 0.500 U	0.549	< 0.500 U	< 0.500 U	40.9	**1,873**	< 0.20 U
MW-13	3/17/2015	32.81	4.86	27.95	0.21 J	< 1.0 U	11.1	**< 0.50 U**	< 0.50 U	< 0.50 U	6	< 1.0 U	1.3	32.3	< 5.0 U	< 0.50 U	< 1.0 U	**< 1.0 U**	1.8	--	< 0.50 U

Table 2
Historical Groundwater Analytical Results – Indicator Hazardous Substances
Five-Year Review Report
Univar Solutions Facility
8201 South 212th Street
Kent, Washington

Sample Location	Sample Date	TOC	DTW	GWE	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dichloroethane	1,2-Dichloropropane	Benzene	Chloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	Methylene Chloride	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Toluene	Total Xylenes	Vinyl Chloride
MTCA Method B CULs					**7.7**	**7**	**80**	**0.48**	**1.20**	**0.80**	**--**	**1.40**	**16**	**700**	**5**	**5**	**200**	**0.54**	**640**	**1,600**	**0.50**
MTCA CUL Rationale					**Method B Cancer**	**Federal MCL**	**Method B Noncancer**	**Method B Cancer**	**Method B Cancer**	**Method B Cancer**	**No CUL**	**Method B Cancer**	**Method B Cancer**	**Federal MCL**	**Federal MCL**	**Federal MCL**	**Federal MCL**	**Method B Cancer**	**Method B Noncancer**	**Method B Noncancer**	**See Notes**
MW-13	9/15/2015	32.81	7.16	25.65	0.37 J	< 1.0 U	38.7	**< 0.50 U**	< 0.50 U	0.25 J	41.4	< 1.0 U	0.65 J	95	< 5.0 U	< 0.50 U	< 1.0 U	**< 1.0 U**	2.7	--	**0.79**
MW-13	3/14/2016	32.81	4.36	28.45	0.41 J	< 1.0 U	5.5	**< 0.50 U**	< 0.50 U	< 0.50 U	13	< 1.0 U	2.9	38.8	< 5.0 U	< 0.50 U	< 1.0 U	**< 1.0 U**	8.3	--	**1.7**
MW-13	9/15/2016	32.81	7.03	25.78	0.58 J	< 1.0 U	68	**< 0.50 U**	< 0.50 U	0.42 J	60	< 1.0 U	0.55 J	49.5	< 5.0 U	< 0.50 U	< 1.0 U	**< 1.0 U**	1.5	--	**0.57**
MW-13	3/7/2017	32.81	4.68	28.13	< 5.0 U	< 5.0 U	**98**	**< 5.0 U**	**< 5.0 U**	**< 5.0 U**	51	**< 5.0 U**	< 5.0 U	82	**10.2 J**	< 5.0 U	< 5.0 U	**< 5.0 U**	2.60 J	--	**< 5.0 U**
MW-13	9/20/2017	32.81	7.05	25.76	0.35 J	< 0.13 U	**135**	< 0.13 U	< 0.13 U	0.71	67	< 0.13 U	0.30 J	44	< 2.0 U	< 0.13 U	< 0.13 U	< 0.13 U	1.6	612	0.26 J
MW-13	3/21/2018	32.81	5.30	27.51	0.30 J-	< 0.50 UJ	**88.7 J-**	0.16 J-	< 0.50 UJ	0.60 J-	51.9 J-	< 0.50 UJ	0.26 J-	18.2 J-	< 2.0 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	0.99 J-	--	0.42 J-
MW-13	9/11/2018	32.81	7.80	25.01	0.34 J	< 1.30 U	69	**< 1.30 U**	**< 1.30 U**	0.43 J	57	< 1.30 U	0.58 J	6.7	< 5.0 U	< 1.30 U	< 1.30 U	**< 1.30 U**	1.7	--	**0.76 J**
MW-13	5/31/2019	32.81	6.28	26.53	< 1.3 UJ	< 1.30 UJ	59.1 J-	**< 1.30 UJ**	**< 1.30 UJ**	0.40 J-	32.1 J-	< 1.30 UJ	< 1.30 UJ	9.6 J-	< 5.0 UJ	< 1.30 UJ	< 1.30 UJ	**< 1.30 UJ**	0.53 J-	171.5 J-	**< 1.3 UJ**
MW-13	8/28/2019	32.81	6.70	26.11	0.26 J-	< 0.50 UJ	44.7 J-	0.20 J-	< 0.50 UJ	0.52 J-	33.7 J-	0.24 J-	0.83 J-	4.3 J-	< 2.0 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	0.82 J-	73.91 J-	**0.59 J-**
MW-13	5/14/2020	32.69	6.24	26.45	0.55	< 0.50 U	45.5	0.16 J	< 0.50 U	0.34 J	42.9	0.35 J	0.98	9.6	< 2.0 U	< 0.50 U	< 0.50 U	< 0.50 U	0.71 J+	93.4	**1.2**
MW-13	9/25/2020	32.69	6.80	25.89	0.39 J	< 1.0 U	72.5	**< 1.0 U**	< 1.0 U	0.32 J	58 J+	0.36 J	1.9	12.3	3.6 J	< 1.0 U	< 1.0 U	**< 1.0 U**	1.6	144.3	**1.5**
MW-13	6/23/2022	32.69	16.82	15.87	< 0.13 U	< 0.13 U	75	< 0.13 U	< 0.13 U	0.41 J	86	0.95	0.48 J	13.4	1.80 JB	< 0.13 U	< 0.13 U	< 0.13 U	0.89	156	**0.7**
MW-14	10/30/2003	32.60	--	--	< 0.091 U	< 0.12 U	< 0.15 U	< 0.12 U	< 0.13 U	< 0.11 U	< 0.23 U	< 0.096 U	< 0.12 U	< 0.13 U	< 0.20 U	< 0.11 U	< 0.12 U	< 0.12 U	< 0.098 U	< 0.22 U	< 0.22 U
MW-14	12/4/2003	32.60	5.65	26.95	< 0.091 U	< 0.12 U	< 0.15 U	< 0.12 U	< 0.13 U	< 0.11 U	< 0.23 U	< 0.096 U	< 0.12 U	< 0.13 U	< 0.20 U	< 0.11 U	< 0.12 U	< 0.12 U	< 0.098 U	< 0.22 U	< 0.22 U
MW-14	3/16/2004	32.60	5.21	27.39	< 0.091 U	< 0.12 U	< 0.15 U	< 0.12 U	< 0.13 U	< 0.11 U	< 0.23 U	< 0.096 U	< 0.12 U	< 0.13 U	< 0.20 U	< 0.11 U	< 0.12 U	< 0.12 U	0.21 J	< 0.22 U	< 0.22 U
MW-14	6/10/2004	32.60	5.68	26.92	< 0.091 U	< 0.12 U	< 0.15 U	< 0.12 U	< 0.13 U	< 0.11 U	< 0.23 U	< 0.096 U	< 0.12 U	< 0.13 U	< 0.20 U	< 0.11 U	< 0.12 U	< 0.12 U	0.10 J	0.31 J	< 0.22 U
MW-14	9/24/2004	32.60	6.30	26.30	< 0.091 U	< 0.12 U	< 0.15 U	< 0.12 U	< 0.13 U	< 0.11 U	< 0.23 U	< 0.096 U	< 0.12 U	< 0.13 U	< 0.20 U	< 0.11 U	< 0.12 U	< 0.12 U	< 0.098 U	< 0.22 U	< 0.22 U
MW-14	4/5/2005	32.60	5.25	27.35	< 0.11 U	< 0.13 U	< 0.15 U	< 0.12 U	< 0.14 U	< 0.14 U	< 0.23 U	< 0.14 U	< 0.12 U	< 0.13 U	< 0.20 U	< 0.13 U	< 0.12 U	< 0.14 U	0.28 J	< 0.22 U	< 0.22 U
MW-14	9/21/2005	32.60	6.86	25.74	< 0.11 U	< 0.13 U	< 0.15 U	< 0.12 U	< 0.14 U	< 0.14 U	< 0.23 U	< 0.14 U	< 0.12 U	< 0.13 U	< 0.20 U	< 0.13 U	< 0.12 U	< 0.14 U	0.14 J	< 0.22 U	< 0.042 U
MW-14	3/14/2006	32.60	4.85	27.75	< 0.11 U	< 0.13 U	< 0.15 U	< 0.12 U	< 0.14 U	< 0.14 U	< 0.23 U	< 0.14 U	< 0.12 U	< 0.13 U	< 0.20 U	< 0.13 U	< 0.12 U	< 0.14 U	0.12 J	< 0.22 U	< 0.042 U
MW-14	9/13/2006	32.60	7.13	25.47	< 0.11 U	< 0.13 U	< 0.15 U	< 0.12 U	< 0.14 U	< 0.14 U	< 0.23 U	< 0.14 U	< 0.12 U	< 0.13 U	< 0.20 U	< 0.13 U	< 0.12 U	< 0.14 U	1.3	< 0.22 U	< 0.042 U
MW-14	4/4/2007	32.60	4.39	28.21	< 0.11 U	< 0.13 U	< 0.15 U	< 0.12 U	< 0.14 U	< 0.14 U	< 0.23 U	< 0.14 U	< 0.12 U	< 0.13 U	< 0.20 U	< 0.13 U	< 0.12 U	< 0.14 U	< 0.11 U	< 0.22 U	< 0.042 U
MW-14	9/26/2007	32.60	6.86	25.74	< 0.11 U	< 0.13 U	< 0.15 U	< 0.12 U	< 0.14 U	< 0.14 U	< 0.23 U	< 0.14 U	< 0.12 U	< 0.13 U	< 0.20 U	< 0.13 U	< 0.12 U	< 0.14 U	< 0.11 U	< 0.22 U	< 0.042 U
MW-14	5/2/2008	32.60	5.34	27.26	0.07 J	< 0.10 U	0.05 J	< 0.07 U	< 0.04 U	< 0.05 U	< 0.13 U	< 0.04 U	< 0.05 U	< 0.042 U	< 0.23 U	< 0.077 U	< 0.05 U	< 0.06 U	0.14 J	0.18 J	< 0.07 U
MW-14	9/30/2008	32.60	6.57	26.03	0.05 J	< 0.1 U	< 0.037 U	**< 0.073 U**	< 0.042 U	< 0.045 U	< 0.13 U	< 0.042 U	< 0.045 U	0.06 J	< 0.23 U	< 0.077 U	< 0.05 U	0.12 J	0.26 JB	0.31 J	< 0.071 U
MW-14	3/23/2009	32.60	5.08	27.52	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.20 U
MW-14	3/23/2009 (DUP)	32.60	5.08	27.52	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.20 U
MW-14	9/29/2009	32.60	6.61	25.99	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.20 U
MW-14	3/30/2010	32.60	5.41	27.19	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.20 U
MW-14	9/30/2010	32.60	5.84	26.76	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.20 U
MW-14	9/30/2010 (LAB DUP)	32.60	5.84	26.76	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.20 U
MW-14	3/4/2011	32.60	--	--	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	0.64	< 1.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.20 U
MW-14	9/21/2011	32.60	6.56	26.04	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.20 U
MW-14	3/6/2012	32.60	4.74	27.86	< 0.500 U	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 1.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.20 U
MW-14	9/28/2012	32.60	5.14	27.46	< 0.500 U	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 1.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.20 U
MW-14	3/7/2013	32.60	5.06	27.54	< 0.500 U	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 1.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.20 U
MW-14	9/27/2013	32.60	6.24	26.36	< 0.500 U	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 1.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.20 U

Table 2
Historical Groundwater Analytical Results – Indicator Hazardous Substances
Five-Year Review Report
Univar Solutions Facility
8201 South 212th Street
Kent, Washington

Sample Location	Sample Date	TOC	DTW	GWE	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dichloroethane	1,2-Dichloropropane	Benzene	Chloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	Methylene Chloride	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Toluene	Total Xylenes	Vinyl Chloride
MTCA Method B CULs					7.7	7	80	0.48	1.20	0.80	--	1.40	16	700	5	5	200	0.54	640	1,600	0.50
MTCA CUL Rationale					Method B Cancer	Federal MCL	Method B Noncancer	Method B Cancer	Method B Cancer	Method B Cancer	No CUL	Method B Cancer	Method B Cancer	Federal MCL	Federal MCL	Federal MCL	Federal MCL	Method B Cancer	Method B Noncancer	Method B Noncancer	See Notes
MW-14	3/26/2014	32.60	4.33	28.27	< 0.500 U	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 1.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.20 U
MW-14	9/24/2014	32.60	6.67	25.93	< 0.500 U	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 1.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.20 U
MW-14	3/17/2015	32.60	4.62	27.98	< 1.0 U	< 1.0 U	< 2.0 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	< 0.50 U	< 1.0 U	**< 1.0 U**	0.54 J	--	< 0.50 U
MW-14	9/16/2015	32.60	6.94	25.66	< 1.0 U	< 1.0 U	< 2.0 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	< 0.50 U	< 1.0 U	**< 1.0 U**	< 1.0 U	--	< 0.50 U
MW-14	3/16/2016	32.60	4.08	28.52	< 1.0 U	< 1.0 U	< 2.0 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	< 0.50 U	< 1.0 U	**< 1.0 U**	< 1.0 U	--	< 0.50 U
MW-14	9/15/2016	32.60	6.80	25.80	< 1.0 U	< 1.0 U	< 2.0 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	< 0.50 U	< 1.0 U	**< 1.0 U**	< 1.0 U	--	< 0.50 U
MW-14	3/8/2017	32.60	4.39	28.21	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 2.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	--	< 0.50 U
MW-14	9/20/2017	32.60	6.79	25.81	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.20 U	< 0.13 U	< 0.13 U	< 0.13 U	< 2.0 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	--	< 0.13 U
MW-14	3/20/2018	32.60	5.01	27.59	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	**< 0.50 UJ**	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 2.0 U	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	--	< 0.50 UJ
MW-14	9/13/2018	32.60	6.87	25.73	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	0.48 J	< 0.50 U	< 0.50 U	< 0.50 U	< 2.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	--	< 0.50 U
MW-14	6/3/2019	32.60	5.54	27.06	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 2.0 U	< 0.50 U	< 0.50 U	< 0.50 U	2.5	< 1.0 U	< 0.50 U
MW-14	8/28/2019	32.60	6.44	26.16	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	0.33 J	< 0.50 U	< 0.50 U	< 0.50 U	< 2.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	< 0.50 U
MW-14	5/13/2020	32.51	5.04	27.47	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 2.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	< 0.50 U
MW-14	9/25/2020	32.51	6.40	26.11	< 0.50 U	< 0.50 U	0.34 J	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	0.73	< 2.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	3.2	< 0.50 U
MW-14	6/23/2022	32.51	5.22	27.29	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.20 U	< 0.13 U	< 0.13 U	< 0.13 U	1.70 JB	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U
MW-15	10/30/2003	32.57	--	--	< 0.091 U	< 0.12 U	< 0.15 U	< 0.12 U	< 0.13 U	< 0.11 U	< 0.23 U	< 0.14 U	< 0.12 U	< 0.13 U	< 0.20 U	< 0.11 U	< 0.12 U	< 0.12 U	< 0.098 U	< 0.22 U	0.29 J
MW-15	12/4/2003	32.57	5.46	27.11	< 0.091 U	< 0.12 U	< 0.15 U	< 0.12 U	< 0.13 U	< 0.11 U	< 0.23 U	< 0.14 U	< 0.12 U	< 0.13 U	< 0.20 U	< 0.11 U	< 0.12 U	< 0.12 U	< 0.098 U	< 0.22 U	0.35 J
MW-15	3/16/2004	32.57	4.98	27.59	< 0.091 U	< 0.12 U	< 0.15 U	< 0.12 U	< 0.13 U	< 0.11 U	< 0.23 U	< 0.14 U	< 0.12 U	< 0.13 U	< 0.20 U	< 0.11 U	< 0.12 U	< 0.12 U	0.17 J	< 0.22 U	0.24 J
MW-15	6/10/2004	32.57	4.98	27.59	< 0.091 U	< 0.12 U	< 0.15 U	< 0.12 U	< 0.13 U	< 0.11 U	< 0.23 U	< 0.096 U	< 0.12 U	< 0.13 U	< 0.20 U	< 0.11 U	< 0.12 U	< 0.12 U	< 0.098 U	0.22 J	0.23 J
MW-15	9/24/2004	32.57	6.23	26.34	< 0.091 U	< 0.12 U	< 0.15 U	< 0.12 U	< 0.13 U	< 0.11 U	< 0.23 U	**3.8**	< 0.12 U	< 0.13 U	< 0.20 U	< 0.11 U	< 0.12 U	< 0.12 U	0.15 J	< 0.22 U	< 0.22 U
MW-15	4/5/2005	32.57	5.07	27.50	< 0.11 U	< 0.13 U	< 0.15 U	< 0.12 U	< 0.14 U	< 0.14 U	< 0.23 U	< 0.14 U	< 0.12 U	< 0.13 U	< 0.20 U	< 0.13 U	< 0.12 U	< 0.14 U	0.27 J	< 0.22 U	< 0.22 U
MW-15	9/21/2005	32.57	6.69	25.88	< 0.11 U	< 0.13 U	< 0.12 U	< 0.12 U	< 0.14 U	< 0.14 U	< 0.23 U	< 0.14 U	< 0.12 U	< 0.13 U	< 0.20 U	< 0.13 U	< 0.12 U	< 0.14 U	0.19 J	< 0.22 U	0.14 J
MW-15	3/14/2006	32.57	4.65	27.92	< 0.11 U	< 0.13 U	< 0.12 U	< 0.12 U	< 0.14 U	< 0.14 U	< 0.23 U	< 0.14 U	< 0.12 U	< 0.13 U	< 0.20 U	< 0.13 U	< 0.12 U	< 0.14 U	0.11 J	< 0.22 U	< 0.042 U
MW-15	9/13/2006	32.57	6.97	25.60	< 0.11 U	< 0.13 U	< 0.15 U	< 0.12 U	< 0.14 U	< 0.14 U	< 0.23 U	< 0.14 U	< 0.12 U	< 0.13 U	< 0.20 U	< 0.13 U	< 0.12 U	< 0.14 U	< 0.11 U	< 0.22 U	0.20 J
MW-15	4/4/2007	32.57	4.55	28.02	< 0.11 U	< 0.13 U	< 0.15 U	< 0.12 U	< 0.14 U	< 0.14 U	< 0.23 U	< 0.14 U	< 0.12 U	< 0.13 U	< 0.20 U	< 0.13 U	< 0.12 U	< 0.14 U	< 0.11 U	< 0.22 U	0.12 J
MW-15	9/26/2007	32.57	6.87	25.70	< 0.11 U	< 0.13 U	< 0.15 U	< 0.12 U	< 0.14 U	< 0.14 U	< 0.23 U	< 0.14 U	< 0.12 U	< 0.13 U	< 0.20 U	< 0.13 U	< 0.12 U	< 0.14 U	< 0.11 U	< 0.22 U	0.10 J
MW-15	5/2/2008	32.57	5.20	27.37	0.06 J	< 0.10 U	< 0.037 U	**< 0.073 U**	< 0.042 U	< 0.045 U	< 0.13 U	< 0.042 U	< 0.045 U	< 0.04 U	< 0.23 U	< 0.077 U	< 0.05 U	< 0.06 U	0.07 JB	< 0.12 U	0.11 J
MW-15	9/29/2008	32.57	6.38	26.19	0.06 J	< 0.10 U	< 0.037 U	**< 0.073 U**	< 0.042 U	< 0.045 U	< 0.13 U	< 0.042 U	< 0.045 U	< 0.042 U	< 0.23 U	< 0.077 U	< 0.05 U	0.09 J	0.18 JB	0.10 J	0.13 J
MW-15	3/26/2009	32.57	4.90	27.67	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**1**
MW-15	9/29/2009	32.57	6.45	26.12	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.20 U
MW-15	3/30/2010	32.57	5.39	27.18	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.20 U
MW-15	3/30/2010 (DUP)	32.57	5.39	27.18	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.20 U
MW-15	9/30/2010	32.57	5.70	26.87	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.20 U
MW-15	3/7/2011	32.57	4.41	28.16	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.20 U
MW-15	3/7/2011 (LAB DUP)	32.57	4.41	28.16	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.20 U
MW-15	9/21/2011	32.57	6.51	26.06	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	0.24
MW-15	3/6/2012	32.57	4.56	28.01	< 0.500 U	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 1.0 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.200 U

Table 2
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Sample Location	Sample Date	TOC	DTW	GWE	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dichloroethane	1,2-Dichloropropane	Benzene	Chloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	Methylene Chloride	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Toluene	Total Xylenes	Vinyl Chloride
MTCA Method B CULs					**7.7**	**7**	**80**	**0.48**	**1.20**	**0.80**	**--**	**1.40**	**16**	**700**	**5**	**5**	**200**	**0.54**	**640**	**1,600**	**0.50**
MTCA CUL Rationale					**Method B Cancer**	**Federal MCL**	**Method B Noncancer**	**Method B Cancer**	**Method B Cancer**	**Method B Cancer**	**No CUL**	**Method B Cancer**	**Method B Cancer**	**Federal MCL**	**Federal MCL**	**Federal MCL**	**Federal MCL**	**Method B Cancer**	**Method B Noncancer**	**Method B Noncancer**	**See Notes**
MW-15	10/1/2012	32.57	4.99	27.58	< 0.500 U	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 1.0 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.200 U
MW-15	3/7/2013	32.57	4.90	27.67	< 0.500 U	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 1.0 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.200 U
MW-15	9/27/2013	32.57	6.11	26.46	< 0.500 U	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 1.0 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.200 U
MW-15	3/26/2014	32.57	4.15	28.42	< 0.500 U	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 1.0 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.200 U
MW-15	9/24/2014	32.57	4.15	28.42	< 0.500 U	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 1.0 UJ	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.200 U
MW-15	3/17/2015	32.57	4.52	28.05	< 1.0 U	< 1.0 U	< 2.0 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	< 0.50 U	< 1.0 U	**< 1.0 U**	0.61 J	< 1.0 U	< 0.50 U
MW-15	9/17/2015	32.57	6.82	25.75	< 1.0 U	< 1.0 U	< 2.0 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	< 0.50 U	< 1.0 U	**< 1.0 U**	< 1.0 U	0.28 J	< 0.50 U
MW-16	10/30/2003	36.92	--	--	< 0.091 U	< 0.12 U	< 0.15 U	< 0.12 U	< 0.13 U	< 0.11 U	< 0.23 U	0.27 J	< 0.12 U	< 0.13 U	< 0.20 U	< 0.11 U	< 0.12 U	< 0.12 U	< 0.098 U	< 0.22 U	< 0.22 U
MW-16	12/5/2003	36.92	10.11	26.81	< 0.091 U	< 0.12 U	< 0.15 U	< 0.12 U	< 0.13 U	< 0.11 U	< 0.23 U	< 0.096 U	< 0.12 U	< 0.13 U	< 0.20 U	< 0.11 U	< 0.12 U	< 0.12 U	< 0.098 U	< 0.22 U	< 0.22 U
MW-16	3/16/2004	36.92	9.68	27.24	< 0.091 U	< 0.12 U	< 0.15 U	< 0.12 U	< 0.13 U	< 0.11 U	< 0.23 U	< 0.096 U	< 0.12 U	< 0.13 U	< 0.20 U	< 0.11 U	< 0.12 U	< 0.12 U	0.12 J	< 0.22 U	< 0.22 U
MW-16	6/10/2004	36.92	10.12	26.80	< 0.091 U	< 0.12 U	< 0.15 U	< 0.12 U	< 0.13 U	< 0.11 U	< 0.23 U	< 0.096 U	< 0.12 U	< 0.13 U	< 0.20 U	< 0.11 U	< 0.12 U	< 0.12 U	0.15 J	< 0.22 U	< 0.22 U
MW-16	9/23/2004	36.92	10.72	26.20	< 0.091 U	< 0.12 U	< 0.15 U	< 0.12 U	< 0.13 U	< 0.11 U	< 0.23 U	0.10 J	< 0.12 U	< 0.13 U	< 0.20 U	< 0.11 U	< 0.12 U	< 0.12 U	< 0.098 U	< 0.22 U	< 0.22 U
MW-16	4/5/2005	36.92	9.70	27.22	< 0.11 U	< 0.13 U	< 0.15 U	< 0.12 U	< 0.14 U	< 0.14 U	< 0.23 U	< 0.14 U	< 0.12 U	< 0.13 U	< 0.20 U	< 0.13 U	< 0.12 U	< 0.14 U	0.34 J	< 0.22 U	< 0.22 U
MW-16	9/21/2005	36.92	11.31	25.61	< 0.11 U	< 0.13 U	0.16 J	< 0.12 U	< 0.14 U	< 0.14 U	< 0.23 U	< 0.14 U	< 0.12 U	0.21 J	< 0.20 U	< 0.13 U	< 0.12 U	< 0.14 U	< 0.11 U	0.33 J	0.12 J
MW-16	3/15/2006	36.92	9.30	27.62	< 0.11 U	< 0.13 U	< 0.15 U	< 0.12 U	< 0.14 U	< 0.14 U	< 0.23 U	< 0.14 U	< 0.12 U	< 0.13 U	< 0.20 U	< 0.13 U	< 0.12 U	< 0.14 U	0.18 J	< 0.22 U	0.28 J
MW-16	9/13/2006	36.92	11.56	25.36	< 0.11 U	< 0.13 U	< 0.15 U	< 0.12 U	< 0.14 U	< 0.14 U	< 0.23 U	0.45 J	< 0.12 U	< 0.13 U	< 0.20 U	< 0.13 U	< 0.12 U	< 0.14 U	< 0.11 U	< 0.22 U	0.28 J
MW-16	4/5/2007	36.92	9.28	27.64	0.14 J	< 0.13 U	< 0.15 U	< 0.12 U	< 0.14 U	< 0.14 U	< 0.23 U	< 0.14 U	< 0.12 U	< 0.13 U	< 0.20 U	< 0.13 U	< 0.12 U	< 0.14 U	< 0.11 U	< 0.22 U	0.26 J
MW-16	9/26/2007	36.92	11.29	25.63	< 0.11 U	< 0.13 U	< 0.15 U	< 0.12 U	< 0.14 U	< 0.14 U	< 0.23 U	0.41 J	< 0.12 U	< 0.13 U	< 0.20 U	< 0.13 U	< 0.12 U	< 0.14 U	< 0.11 U	< 0.22 U	0.26 J
MW-16	5/2/2008	36.92	9.80	27.12	0.16 J	< 0.10 U	< 0.037 U	< 0.073 U	< 0.042 U	< 0.05 U	< 0.13 U	< 0.042 U	< 0.05 U	< 0.042 U	< 0.23 U	< 0.077 U	< 0.50 U	< 0.06 U	0.10 J	< 0.12 U	**0.55**
MW-16	10/1/2008	36.92	10.90	26.02	0.18 J	< 0.1 U	< 0.037 U	< 0.073 U	< 0.042 U	< 0.045 U	< 0.13 U	< 0.042 U	< 0.045 U	0.05 J	< 0.23 U	< 0.077 U	< 0.50 U	0.10 J	0.24 JB	0.14 J	**0.61**
MW-16	3/25/2009	36.92	9.51	27.41	< 0.50 U	1.2	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**1.1**	1.2	< 0.50 U	**1.20 J**
MW-16	9/30/2009	36.92	11.03	25.89	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	0.40 J
MW-16	9/30/2009 (DUP)	36.92	11.03	25.89	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	0.40 J
MW-16	4/2/2010	36.92	9.59	27.33	< 0.50 U	< 0.50 U	0.9	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	2.6	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	7.9	**0.9**
MW-16	10/1/2010	36.92	10.25	26.67	0.42 J	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.20 UJ
MW-16	10/1/2010 (DUP)	36.92	10.25	26.67	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**0.66**
MW-16	3/7/2011	36.92	8.99	27.93	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.20 U
MW-16	9/26/2011	36.92	10.99	25.93	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**0.65**
MW-16	3/8/2012	36.92	9.12	27.80	< 0.500 U	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	**0.52**
MW-16	10/1/2012	36.92	9.53	27.39	< 0.500 U	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	**0.51**
MW-16	3/8/2013	36.92	9.45	27.47	< 0.500 U	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.20 U
MW-16	9/27/2013	36.92	9.45	27.47	< 0.500 U	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.20 U
MW-16	3/27/2014	36.92	9.45	27.47	0.88	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	**0.70**
MW-16	9/25/2014	36.92	11.05	25.87	0.568	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.20 U
MW-16	3/18/2015	36.92	9.02	27.90	0.55 J	< 1.0 U	< 2.0 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	< 0.50 U	< 1.0 U	**< 1.0 U**	0.45 J	--	0.46 J
MW-16	9/17/2015	36.92	11.32	25.60	< 5.0 U	< 5.0 U	< 10 U	**< 2.5 U**	**< 2.5 U**	**< 2.5 U**	< 5.0 U	**< 5.0 U**	1.8 J	< 5.0 U	**< 25 U**	< 2.5 U	< 5.0 U	**2.5 J**	< 5.0 U	--	**< 2.50 U**
MW-16	3/16/2016	36.92	8.53	28.39	< 5.0 U	< 5.0 U	< 10 U	**< 2.5 U**	**< 2.5 U**	**< 2.5 U**	< 5.0 U	**< 5.0 U**	< 5.0 U	< 5.0 U	**< 25 U**	< 2.5 U	< 5.0 U	**< 5.0 U**	< 5.0 U	--	**< 2.50 U**

Table 2
Historical Groundwater Analytical Results – Indicator Hazardous Substances
Five-Year Review Report
Univar Solutions Facility
8201 South 212th Street
Kent, Washington

Sample Location	Sample Date	TOC	DTW	GWE	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dichloroethane	1,2-Dichloropropane	Benzene	Chloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	Methylene Chloride	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Toluene	Total Xylenes	Vinyl Chloride
MTCA Method B CULs					7.7	7	80	0.48	1.20	0.80	--	1.40	16	700	5	5	200	0.54	640	1,600	0.50
MTCA CUL Rationale					Method B Cancer	Federal MCL	Method B Noncancer	Method B Cancer	Method B Cancer	Method B Cancer	No CUL	Method B Cancer	Method B Cancer	Federal MCL	Federal MCL	Federal MCL	Federal MCL	Method B Cancer	Method B Noncancer	Method B Noncancer	See Notes
MW-16	9/15/2016	36.92	11.19	25.73	0.61 J	< 1.0 U	< 2.0 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	< 0.50 U	< 1.0 U	**< 1.0 U**	< 1.0 U	--	**0.51**
MW-16	3/7/2017	36.92	8.84	28.08	0.74 J	< 0.50 UJ	< 0.50 UJ	**< 0.50 UJ**	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 2.0 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	--	0.47 J
MW-16	9/21/2017	36.92	11.12	25.80	1.20	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.20 U	< 0.13 U	< 0.13 U	< 0.13 U	< 2.0 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	--	**0.65**
MW-16	3/21/2018	36.92	9.42	27.50	0.42 J-	< 0.50 UJ	< 0.50 UJ	**< 0.50 UJ**	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 2.0 U	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	--	0.31 J-
MW-16	9/13/2018	36.92	11.24	25.68	0.34 J	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	0.36 J	< 0.50 U	< 0.50 U	< 0.50 U	< 2.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	--	**0.57**
MW-16	6/3/2019	36.92	9.94	26.98	0.42 J	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	0.63 J-	< 0.50 U	< 0.50 U	< 0.50 U	< 2.0 U	< 0.50 U	< 0.50 U	< 0.50 U	0.22 J	< 1.0 U	**0.72**
MW-16	8/29/2019	36.92	10.85	26.07	0.44 J-	< 0.50 UJ	< 0.50 UJ	**< 0.50 UJ**	< 0.50 UJ	< 0.50 UJ	0.75 J-	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 2.0 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 1.0 UJ	**0.62 J-**
MW-16	5/14/2020	36.82	9.41	27.41	0.36 J	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	0.86	< 0.50 U	< 0.50 U	< 0.50 U	< 2.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	**0.63**
MW-16	9/25/2020	36.82	10.80	26.02	0.26 J	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	0.37 J+	< 0.50 U	< 0.50 U	< 0.50 U	< 2.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	0.47 J	0.42 J
MW-16	6/23/2022	36.82	9.60	27.22	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.20 U	< 0.13 U	< 0.13 U	< 0.13 U	1.70 JB	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	**0.69**
MW-17	10/30/2003	32.6	--	--	4.3	< 0.24 U	22	**2.1**	< 0.25 U	**15**	190	0.34 J	2.8	260	1.50 J	< 0.22 U	< 0.23 U	< 0.24 U	5.8	**1,616**	**9.1**
MW-17	12/4/2003	32.6	5.91	26.69	4.1	< 0.24 U	17	**1.4**	< 0.25 U	**11**	140	< 0.20 U	< 0.24 U	180	0.68 J	< 0.22 U	< 0.23 U	< 0.24 U	5.8	1,412	**0.54 J**
MW-17	3/15/2004	32.6	5.59	27.01	5.3	< 0.12 U	29	**2.5**	< 0.13 U	**21**	230	0.34 J	13	170	2.7	< 0.11 U	< 0.12 U	< 0.12 U	9.6	1,428	**57**
MW-17	6/10/2004	32.6	5.95	26.65	4.1	< 0.12 U	22	**1.9**	< 0.13 U	**14**	180	< 0.096 U	0.32 J	190	1.40 J	< 0.11 U	< 0.12 U	< 0.12 U	5.4	**2,114**	**0.93**
MW-17	9/23/2004	32.6	6.50	26.10	3.6	< 0.60 U	21	**1.80 J**	< 0.62 U	**12**	170	< 0.48 U	< 0.58 U	220	1.80 J	< 0.55 U	< 0.57 U	**< 0.59 U**	4.1	**1,616**	**< 1.1 U**
MW-17	9/23/2004	32.6	6.50	26.10	3.7	< 0.60 U	22	**2.0 J**	< 0.62 U	**13**	180	< 0.48 U	< 0.58 U	230	1.80 J	< 0.55 U	< 0.57 U	**< 0.59 U**	4.2	**1,617**	**< 1.1 U**
MW-17	4/5/2005	32.6	5.50	27.10	2.9	< 0.31 U	16	**1.4**	< 0.35 U	**11**	140	< 0.34 U	< 0.29 U	120	0.95 J	< 0.32 U	< 0.29 U	< 0.34 U	4.6	1,200	**< 0.53 U**
MW-17	9/21/2005	32.6	7.18	25.42	3.4	< 0.13 U	26	**1.5**	< 0.14 U	**13**	180	< 0.14 U	0.12 J	150	0.84 J	< 0.13 U	< 0.12 U	< 0.14 U	4.9	1,413	0.24 J
MW-17	3/15/2006	32.6	5.24	27.36	4.1	< 0.61 U	22 J	**2.6**	< 0.70 U	**19**	280	**< 2.5 U**	< 0.58 U	200 J	1.70 J	< 0.63 U	< 0.58 U	**< 0.67 U**	3.1	**1614 J**	**0.55 J**
MW-17	9/12/2006	32.6	7.31	25.29	3.2	< 0.13 U	9.6	**1.4**	< 0.14 U	**12**	170	< 0.14 U	2.1	63	0.78 J	< 0.13 U	< 0.12 U	< 0.14 U	1.4	448	**10**
MW-17	4/4/2007	32.6	5.13	27.47	2.9	< 0.31 U	23	**2.6**	< 0.35 U	**20**	230	< 0.34 U	0.70 J	75	1.40 J	< 0.32 U	< 0.29 U	< 0.34 U	2.1	1,013	**2.3**
MW-17	9/24/2007	32.6	7.03	25.57	2.7	< 0.31 U	19	**2.2**	< 0.14 U	**14**	150	< 0.14 U	< 0.12 U	8.1	0.99 J	< 0.13 U	< 0.12 U	< 0.14 U	0.93	377	0.13 J
MW-17	5/1/2008	32.6	5.57	27.03	2.7	< 0.10 U	12	**< 1.10 U**	< 0.04 U	**7.9**	77	< 0.04 U	0.050 J	50	0.33 J	< 0.077 U	< 0.05 U	0.08 J	1.4	206	0.10 J
MW-17	9/29/2008	32.6	6.71	25.89	2.6	< 0.10 U	18	**2**	< 0.042 U	**16**	170	< 0.042 U	0.07 J	0.91	1.0 J	< 0.077 U	< 0.05 U	< 0.08 U	1	337	0.11 J
MW-17	3/24/2009	32.6	5.33	27.27	2.8	< 0.50 U	20	**< 0.50 U**	< 0.50 U	**14**	140	< 1.0 U	< 0.50 U	270	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	1	350	**1**
MW-17	9/30/2009	32.6	6.85	25.75	**9.6 J**	< 10.0 U	24	**< 10.0 U**	**< 10.0 U**	**54**	990	**< 20.0 U**	< 10.0 U	< 10.0 U	**< 10.0 U**	**< 10.0 U**	< 10.0 U	**< 10.0 U**	2.80 J	580	**20**
MW-17	3/30/2010	32.6	5.30	27.30	1.7	< 0.50 U	7.7	**1.3**	< 0.50 U	**9**	110	< 1.0 U	< 0.50 U	0.5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	0.5	75	0.2
MW-17	10/1/2010	32.6	6.00	26.60	1.79	< 0.50 U	8.82	**< 0.50 U**	< 0.50 U	**5.84**	55	< 1.0 U	< 0.50 U	0.55	0.57 J	< 0.50 U	< 0.50 U	< 0.50 U	0.76	69	< 0.20 UJ
MW-17	3/7/2011	32.6	4.78	27.82	2	< 0.50 U	10.5	**1.67**	< 0.50 U	**8.85**	62	< 1.0 U	< 0.50 U	2.1	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	0.95	60	< 0.20 U
MW-17	6/23/2011	32.6	5.35	27.25	1.63	< 0.50 U	< 1.0 U	**2.56**	< 0.50 U	**18.5**	240	< 1.0 U	< 0.50 U	4.5	1.13	< 0.50 U	< 0.50 U	< 0.50 U	1.2	34.2	0.42
MW-17	9/23/2011	32.6	6.70	25.90	1.91	< 0.50 U	12.9	**3.19**	< 0.50 U	**22.2**	< 0.50 U	< 1.0 U	< 0.50 U	9.81	1.84	< 0.50 U	< 0.50 U	< 0.50 U	1.63	81	0.46
MW-17	3/8/2012	32.6	4.98	27.62	1.67	< 0.500 U	12.8	**3.23**	< 0.500 U	**22.9**	421	< 1.00 U	< 0.500 U	0.69	2.69	< 0.500 U	< 0.500 U	< 0.500 U	0.81	22.8	< 0.20 U
MW-17	6/27/2012	32.6	5.34	27.26	1.95	< 0.500 U	11.1	**3.02**	< 0.500 U	**20**	319	< 1.00 U	< 0.500 U	0.54	1.39	< 0.500 U	< 0.500 U	< 0.500 U	0.73	12	< 0.20 U
MW-17	10/1/2012	32.6	5.34	27.26	2.11	< 0.500 U	17.8	**< 0.500 U**	< 0.500 U	**27.9**	574	< 1.00 U	< 0.500 U	1.02	2.26	< 0.500 U	< 0.500 U	< 0.500 U	0.91	19.3	< 0.20 U
MW-17	12/19/2012	32.6	5.02	27.58	1.86	< 0.500 U	14.9	**< 0.500 U**	< 0.500 U	**19.6**	331	< 1.00 U	< 0.500 U	0.71	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	0.94	17.2	< 0.20 U
MW-17	3/7/2013	32.6	5.30	27.30	< 0.500 U	< 0.500 U	< 0.50 U	**< 0.500 U**	< 0.500 U	**< 0.500 U**	< 0.500 U	< 1.00 U	< 0.500 U	0.71	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	17.2	< 0.20 U
MW-17	6/6/2013	32.6	5.66	26.94	1.69	< 0.500 U	13.2	**< 0.500 U**	< 0.500 U	**24.5**	552	< 1.00 U	< 0.500 U	< 0.500 U	2.55	< 0.500 U	< 0.500 U	< 0.500 U	0.77	17.97	< 0.20 U

Table 2
Historical Groundwater Analytical Results – Indicator Hazardous Substances
Five-Year Review Report
Univar Solutions Facility
8201 South 212th Street
Kent, Washington

Sample Location	Sample Date	TOC	DTW	GWE	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dichloroethane	1,2-Dichloropropane	Benzene	Chloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	Methylene Chloride	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Toluene	Total Xylenes	Vinyl Chloride
MTCA Method B CULs					7.7	7	80	0.48	1.20	0.80	--	1.40	16	700	5	5	200	0.54	640	1,600	0.50
MTCA CUL Rationale					Method B Cancer	Federal MCL	Method B Noncancer	Method B Cancer	Method B Cancer	Method B Cancer	No CUL	Method B Cancer	Method B Cancer	Federal MCL	Federal MCL	Federal MCL	Federal MCL	Method B Cancer	Method B Noncancer	Method B Noncancer	See Notes
MW-17	9/26/2013	32.6	6.30	26.30	1.76	< 0.500 U	21.5	**3.91**	< 0.500 U	**28.8**	484	< 1.00 U	< 0.500 U	< 0.500 U	3.26	< 0.500 U	< 0.500 U	< 0.500 U	0.79	17.28	< 0.20 U
MW-17	3/26/2014	32.6	4.60	28.00	1.01	< 0.500 U	10.6	**1.59**	< 0.500 U	**9.71**	175	< 1.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	7.8	< 0.20 U
MW-17	9/25/2014	32.6	6.82	25.78	1.63	< 0.500 U	24.7	**< 0.500 U**	< 0.500 U	**14.3**	202	< 1.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	0.656	10.74	< 0.20 U
MW-17	3/19/2015	32.6	4.89	27.71	1.20 J	< 5.0 U	4.60 J	**1.70 J**	**< 2.50 U**	**13.3**	172	**< 5.0 U**	< 5.0 U	< 5.0 U	**< 25 U**	< 2.50 U	< 5.0 U	**< 5.0 U**	< 5.0 U	--	**< 2.50 U**
MW-17	9/17/2015	32.6	7.08	25.52	< 5.0 U	< 5.0 U	7.70 J	**1.80 J**	**< 2.50 U**	**16.2**	219	**< 5.0 U**	< 5.0 U	< 5.0 U	**< 25 U**	< 2.50 U	< 5.0 U	**< 5.0 U**	< 5.0 U	--	**< 2.50 U**
MW-17	3/14/2016	32.6	4.35	28.25	< 1.0 U	< 1.0 U	< 2.0 U	**< 0.50 U**	< 0.50 U	**1.1**	13.5	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	< 0.50 U	< 1.0 U	**< 1.0 U**	< 1.0 U	--	< 0.50 U
MW-17	9/14/2016	32.6	6.95	25.65	1.1	< 1.0 U	7.5	**1.1**	< 0.50 U	**12.4**	114	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	< 0.50 U	< 1.0 U	**< 1.0 U**	0.55 J	--	< 0.50 U
MW-17	3/8/2017	32.6	4.63	27.97	< 5.0 U	< 5.0 U	1.8 J	**2.30 J**	**< 5.0 U**	**11.5**	199	**< 5.0 U**	< 5.0 U	< 5.0 U	10.70 J	< 5.0 U	< 5.0 U	**< 5.0 U**	< 5.0 U	--	**< 5.0 U**
MW-17	9/19/2017	32.6	6.86	25.74	0.49 J	< 0.13 U	0.84 J	**1.7**	< 0.13 U	**21.5 J**	226	< 0.13 U	< 0.13 U	0.18 J	< 2.0 U	< 0.13 U	< 0.13 U	< 0.13 U	0.63	--	< 0.13 U
MW-17	3/19/2018	32.6	5.18	27.42	0.61 J-	< 0.50 UJ	0.51 J-	**0.77 J-**	< 0.50 UJ	**8.0 J-**	90.0 J-	< 0.50 UJ	< 0.50 UJ	0.19 J-	< 2.0 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	0.41 J-	--	0.15 J-
MW-17	9/12/2018	32.6	6.98	25.62	< 0.50 U	< 0.50 U	0.36 J	**1.4**	< 0.50 U	**15.4**	250	< 0.50 U	< 0.50 U	< 0.50 U	< 2.0 U	< 0.50 U	< 0.50 U	< 0.50 U	0.42 J	--	0.19 J
MW-17	5/31/2019	32.6	5.75	26.85	< 0.50 U	< 0.50 U	0.39 J	**1.2**	< 0.50 U	**18**	194 J-	< 0.50 U	< 0.50 U	< 0.50 U	1.10 J	< 0.50 U	< 0.50 U	< 0.50 U	0.46 J	2.92	0.17 J
MW-17	8/28/2019	32.6	6.66	25.94	< 2.50 UJ	< 2.50 UJ	< 2.50 UJ	**< 2.50 UJ**	**< 2.50 UJ**	**9.3 J-**	171 J-	**< 2.50 UJ**	< 2.50 UJ	< 2.50 UJ	**< 10.0 UJ**	< 2.50 UJ	< 2.50 UJ	**< 2.50 UJ**	0.82 J-	1.4 J-	**< 2.5 UJ**
MW-17	8/28/2019	32.6	6.66	25.94	< 2.50 UJ	< 2.50 UJ	< 2.50 UJ	**< 2.50 UJ**	**< 2.50 UJ**	**9.2 J-**	203 J-	**< 2.50 UJ**	< 2.50 UJ	< 2.50 UJ	**< 10.0 UJ**	< 2.50 UJ	< 2.50 UJ	**< 2.50 UJ**	< 2.5 UJ	1.3 J-	**< 2.5 UJ**
MW-17	5/13/2020	32.51	5.30	27.21	< 0.50 U	< 0.50 U	0.56	**0.67**	< 0.50 U	**8.2**	70.2	< 0.50 U	< 0.50 U	0.16 J	< 2.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	2.88 J	0.17 J
MW-17	9/24/2020	32.51	6.50	26.01	< 0.50 U	< 0.50 U	0.27 J	**0.86**	< 0.50 U	**11.3**	84 J	< 0.50 U	< 0.50 U	< 0.50 U	< 2.0 U	< 0.50 U	< 0.50 U	< 0.50 U	0.48 J	2.36	< 0.50 U
MW-17	6/23/2022	32.51	5.39	27.12	< 0.13 U	< 0.13 U	0.30 J	**0.8**	< 0.13 U	**7.8**	44.3	< 0.13 U	< 0.13 U	< 0.13 U	1.80 JB	< 0.13 U	< 0.13 U	< 0.13 U	0.87	1.965	< 0.13 U
MW-18	10/30/2003	32.73	--	--	**12**	6.20 J	< 2.90 U	**< 2.30 U**	**< 2.50 U**	**< 2.1 U**	14	**< 2.0 U**	**5,400**	14	< 3.90 U	< 2.20 U	< 2.30 U	**< 2.40 U**	120	93	**7900**
MW-18	12/4/2003	32.73	5.94	26.79	**15**	3.70 J	< 1.50 U	**< 1.20 U**	**< 1.30 U**	**1.60 J**	23	< 0.96 U	**3,500**	9	< 2.0 U	< 1.10 U	< 1.20 U	**< 1.20 U**	71	50	**4700**
MW-18	12/4/2003 (DUP)	32.73	5.94	26.79	**14**	3.70 J	< 1.50 U	**< 1.20 U**	**< 1.30 U**	**1.60 J**	20	< 0.96 U	**3,700**	8.5	< 2.0 U	< 1.10 U	< 1.20 U	**< 1.20 U**	68	48	**5400**
MW-18	3/16/2004	32.73	5.60	27.13	4.9	< 0.12 U	< 0.28 J	< 0.12 U	< 0.13 U	< 0.17 U	1.8	< 0.096 U	16	1.7	< 0.20 U	< 0.11 U	<0.12 U	< 0.12 U	1.4	6.4	**23**
MW-18	6/10/2004	32.73	6.00	26.73	2.7	< 0.12 U	< 0.15 U	< 0.12 U	< 0.13 U	< 0.11 U	0.91	< 0.096 U	5	0.83	< 0.20 U	< 0.11 U	<0.12 U	< 0.12 U	0.42 J	3.6	**6.6**
MW-18	9/23/2004	32.73	6.57	26.16	2.4	< 0.12 U	< 0.15 U	< 0.12 U	< 0.13 U	< 0.11 U	1.2	< 0.096 U	4.5	0.86	< 0.20 U	**16.0 J**	<0.12 U	0.13 J	0.24 J	3.6	**4.4**
MW-18	4/5/2005	32.73	5.53	27.20	1.8	< 0.13 U	< 0.15 U	< 0.12 U	< 0.14 U	< 0.14 U	1.4	< 0.14 U	7.2	0.49 J	< 0.20 U	< 0.13 U	<0.12 U	0.44 J	0.33 J	1.4	**5.1**
MW-18	4/5/2005	32.73	5.53	27.20	1.7	< 0.13 U	< 0.15 U	< 0.12 U	< 0.14 U	< 0.14 U	1.3	< 0.14 U	6	0.46 J	< 0.20 U	< 0.13 U	<0.12 U	0.37 J	0.65	1.3	**4.3**
MW-18	9/20/2005	32.73	7.13	25.60	0.37 J	< 0.13 U	< 0.15 U	< 0.12 U	< 0.14 U	< 0.14 U	< 0.23 U	0.36 J	**62**	< 0.13 U	< 0.20 U	2.2	<0.12 U	**2.1**	0.35 J	< 0.22 U	**5.3**
MW-18	3/15/2006	32.73	5.29	27.44	0.92	< 0.13 U	< 0.15 U	< 0.12 U	< 0.14 U	< 0.14 U	0.66	< 0.14 U	0.6	< 0.13 U	< 0.20 U	< 0.13 U	<0.12 U	< 0.14 U	0.18 J	1.12	**0.85**
MW-18	9/12/2006	32.73	7.40	25.33	0.48 J	< 0.13 U	< 0.15 U	< 0.12 U	< 0.14 U	< 0.14 U	1	< 0.14 U	0.77	< 0.13 U	< 0.20 U	< 0.13 U	<0.12 U	< 0.14 U	< 0.11 U	0.80 J	**1.3**
MW-18	4/3/2007	32.73	5.15	27.58	0.31 J	< 0.13 U	< 0.15 U	< 0.12 U	< 0.14 U	< 0.14 U	< 0.23 U	< 0.14 U	0.36 J	< 0.13 U	< 0.20 U	< 0.13 U	<0.12 U	< 0.14 U	0.15 J	0.71 J	0.36 J
MW-18	9/24/2007	32.73	7.11	25.62	0.21 J	< 0.13 U	< 0.15 U	< 0.12 U	< 0.14 U	< 0.14 U	0.46 J	< 0.14 U	0.52	< 0.13 U	< 0.20 U	< 0.13 U	<0.12 U	< 0.14 U	< 0.11 U	0.93 J	**0.55**
MW-18	5/1/2008	32.73	5.61	27.12	0.27 J	< 0.10 U	0.10 J	< 0.07 U	< 0.04 U	0.07 J	0.25 J	< 0.04 U	0.36 J	< 0.04 U	< 0.20 U	< 0.077 U	< 0.05 U	< 0.06 U	0.25 J	0.79 J	0.34 J
MW-18	10/1/2008	32.73	6.79	25.94	0.26 J	< 0.10 U	0.04 J	**< 0.073 U**	< 0.042 U	0.06	0.85	< 0.042 U	0.49 J	0.06 J	< 0.23 U	0.09 J	< 0.05 U	0.14 J	0.61 B	1.03 J	0.42 J
MW-18	3/24/2009	32.73	5.37	27.36	2.5	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	3	< 1.0 U	< 0.50 U	0.5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	1.2	**1.1**
MW-18	9/30/2009	32.73	6.90	25.83	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	0.20 J
MW-18	3/30/2010	32.73	5.37	27.36	1.1	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	0.6	4.5	< 1.0 U	0.20 J	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	0.7	0.09 J
MW-18	9/28/2010	32.73	6.06	26.67	0.34 J	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	1.39	< 1.0 U	4.4	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	0.26 J	0.62	**5.33**
MW-18	3/4/2011	32.73	4.82	27.91	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	2.77	< 1.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	1.29	< 0.20 U

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Sample Location	Sample Date	TOC	DTW	GWE	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dichloroethane	1,2-Dichloropropane	Benzene	Chloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	Methylene Chloride	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Toluene	Total Xylenes	Vinyl Chloride
MTCA Method B CULs					7.7	7	80	0.48	1.20	0.80	--	1.40	16	700	5	5	200	0.54	640	1,600	0.50
MTCA CUL Rationale					Method B Cancer	Federal MCL	Method B Noncancer	Method B Cancer	Method B Cancer	Method B Cancer	No CUL	Method B Cancer	Method B Cancer	Federal MCL	Federal MCL	Federal MCL	Federal MCL	Method B Cancer	Method B Noncancer	Method B Noncancer	See Notes
MW-18	3/4/2011 (LAB DUP)	32.73	4.82	27.91	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	3.21	< 1.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	1.42	< 0.20 U
MW-18	6/23/2011	32.73	5.41	27.32	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	0.99	< 1.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	1.37	**0.59**
MW-18	9/22/2011	32.73	6.78	25.95	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	0.2
MW-18	3/7/2012	32.73	5.01	27.72	0.56	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	1.95	< 1.00 U	**213**	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	0.86	0.77	**115**
MW-18	6/27/2012	32.73	--	--	< 0.500 U	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	1.81	< 1.00 U	4.48	0.55	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	1.08	1.090	**5.34**
MW-18	10/1/2012	32.73	--	--	< 0.500 U	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 1.00 U	14.8	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	**1.13**	< 0.500 U	< 0.500 U	**22.7**
MW-18	12/19/2012	32.73	5.05	27.68	< 0.500 U	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	1.58	< 1.00 U	0.91	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	0.81	**1.08**
MW-18	12/19/2012 (DUP)	32.73	5.05	27.68	< 0.500 U	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	1.7	< 1.00 U	1.25	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	0.84	**0.95**
MW-18	3/5/2013	32.73	5.35	27.38	< 0.500 U	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	0.57	< 1.00 U	0.69	0.93	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	0.79	**0.590 J**
MW-18	6/6/2013	32.73	5.70	27.03	< 0.500 U	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	1.42	< 1.00 U	0.90	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	0.52	**1.2**
MW-18	9/26/2013	32.73	6.44	26.29	< 0.500 U	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	2.85	< 1.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	0.5	< 0.200 U
MW-18	3/26/2014	32.73	4.68	28.05	< 0.500 U	< 0.500 U	0.5	**< 0.500 U**	< 0.500 U	< 0.500 U	1.34	< 1.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	0.97	< 0.200 U
MW-18	9/24/2014	32.73	6.91	25.82	< 0.500 U	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	1.46	< 1.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.200 U
MW-18	3/18/2015	32.73	4.89	27.84	< 1.0 U	< 1.0 U	< 2.0 U	**< 0.50 U**	< 0.50 U	< 0.50 U	1.6	< 1.0 U	0.23 J	< 1.0 U	< 5.0 U	< 0.50 U	< 1.0 U	**< 1.0 U**	0.47 J	--	0.25 J
MW-18	9/14/2015	32.73	7.19	25.54	< 1.0 U	< 1.0 U	< 2.0 U	**< 0.50 U**	< 0.50 U	< 0.50 U	0.26 J	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	< 0.50 U	< 1.0 U	**< 1.0 U**	< 1.0 U	--	0.22 J
MW-18	3/15/2016	32.73	4.41	28.32	< 1.0 U	< 1.0 U	0.42 J	**< 0.50 U**	< 0.50 U	< 0.50 U	1.5	< 1.0 U	< 1.0 U	0.43 J	< 5.0 U	< 0.50 U	< 1.0 U	**< 1.0 U**	< 1.0 U	--	< 0.50 U
MW-18	9/15/2016	32.73	7.05	25.68	< 1.0 U	< 1.0 U	< 2.0 U	**< 0.50 U**	< 0.50 U	< 0.50 U	1.1	< 1.0 U	0.24 J	< 1.0 U	< 5.0 U	< 0.50 U	< 1.0 U	**< 1.0 U**	< 1.0 U	--	< 0.50 U
MW-18	3/9/2017	32.73	5.57	27.16	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	0.76	< 0.50 U	0.14 J	< 0.50 U	< 2.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	--	< 0.50 U
MW-18	9/19/2017	32.73	7.74	24.99	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	0.47 J	< 0.13 U	0.21 J	< 0.13 U	< 2.0 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	--	< 0.13 U
MW-18	3/21/2018	32.73	5.30	27.43	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	**< 0.50 UJ**	< 0.50 UJ	< 0.50 UJ	0.96 J-	< 0.50 UJ	0.20 J-	< 0.50 UJ	< 2.0 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	--	0.18 J-
MW-18	9/12/2018	32.73	7.05	25.68	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	0.67	< 0.50 U	0.16 J	< 0.50 U	< 2.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	--	0.15 J
MW-18	5/30/2019	32.73	5.80	26.93	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 2.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	< 0.50 U
MW-18	8/28/2019	32.73	6.71	26.02	< 0.50 UJ	< 0.50 UJ	0.15 J-	**< 0.50 UJ**	< 0.50 UJ	< 0.50 UJ	1.0 J-	< 0.50 UJ	0.21 J-	< 0.50 UJ	< 2.0 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 1.0 UJ	0.21 J-
MW-18	5/12/2020	32.61	5.32	27.29	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	0.91 J-	< 0.50 U	0.37 J	< 0.50 U	< 2.0 U	0.64	< 0.50 U	0.31 J	< 0.50 U	0.15 J	0.46 J
MW-18	9/24/2020	32.61	6.50	26.11	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	0.52	< 0.50 U	1.4	< 0.50 U	< 2.0 U	0.44 J	< 0.50 U	**3.3**	< 0.50 U	< 1.0 U	0.45 J
MW-18	6/23/2022	32.61	5.45	27.16	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.20 U	< 0.13 U	9.30	< 0.13 U	1.70 JB	**5.6**	< 0.13 U	**5.3**	< 0.13 U	< 0.13 U	0.5
MW-19	2/20/2004	33.52	--	--	**11**	< 0.12 U	1.30 J	< 0.12 U	< 0.13 U	**3.10 J**	11	< 0.096 U	0.51	13	0.23 J	< 0.11 U	< 0.12 U	< 0.12 U	180	73	**3**
MW-19	3/16/2004	33.52	6.54	26.98	**9.2**	< 0.12 U	0.90 J	< 0.12 U	< 0.13 U	**3**	5.8	< 0.096 U	0.32 J	9.5	< 0.20 U	< 0.11 U	< 0.12 U	< 0.12 U	110	42	**12**
MW-19	3/16/2004 (DUP)	33.52	6.54	26.98	**9.6**	< 0.12 U	1.0 J	< 0.12 U	< 0.13 U	**3**	6.1	< 0.096 U	0.39 J	10	< 0.20 U	< 0.11 U	< 0.12 U	< 0.12 U	99	44	**12**
MW-19	6/10/2004	33.52	6.87	26.65	1.4	< 0.12 U	< 0.15 U	< 0.12 U	< 0.13 U	**1.6**	< 0.23 U	< 0.096 U	2.7	0.47 J	< 0.20 U	< 0.11 U	< 0.12 U	< 0.12 U	1.3	2.06	**42**
MW-19	9/23/2004	33.52	7.44	26.08	3.4	< 0.12 U	0.19 J	< 0.12 U	< 0.13 U	**1.2**	2.7	< 0.096 U	4.1	2.4	< 0.20 U	< 0.11 U	< 0.12 U	< 0.12 U	17	10.4	**38**
MW-19	4/5/2005	33.52	6.37	27.15	1.9	< 0.13 U	< 0.15 U	< 0.12 U	< 0.14 U	**1.2**	0.28 J	< 0.14 U	11	0.27 J	< 0.20 U	< 0.13 U	< 0.12 U	< 0.14 U	1.2	0.49 J	**44**
MW-19	9/21/2005	33.52	7.98	25.54	2.2	0.79	0.47 J	< 0.12 U	< 0.14 U	**1.4**	1.2	< 0.14 U	**74**	2.4	< 0.20 U	< 0.13 U	< 0.12 U	**1.3**	1.1	6.9	**47**
MW-19	3/15/2006	33.52	6.21	27.31	1.6	< 0.13 U	< 0.15 U	< 0.12 U	< 0.14 U	**1.1**	0.34 J	< 0.14 U	10	0.39 J	< 0.20 U	< 0.13 U	< 0.12 U	**1.1**	0.55	1.92	**30**
MW-19	9/12/2006	33.52	8.25	25.27	2.6	< 0.13 U	1.1 J	< 0.12 U	< 0.14 U	**1.4**	4.5	< 0.14 U	**18**	7.9	< 0.20 U	< 0.13 U	< 0.12 U	< 0.14 U	1.1	18.2	**20**
MW-19	4/3/2007	33.52	6.07	27.45	2	< 0.13 U	0.71 J	< 0.12 U	< 0.14 U	**1.1**	0.9	< 0.14 U	**39**	1.4	< 0.20 U	< 0.13 U	< 0.12 U	< 0.14 U	0.58	12.6	**72**
MW-19	9/24/2007	33.52	7.95	25.57	1.1	< 0.13 U	0.84 J	< 0.12 U	< 0.14 U	**0.9**	0.92	< 0.14 U	3.9	0.97	< 0.20 U	< 0.13 U	< 0.12 U	< 0.14 U	0.62 J	11.5	**37**

Table 2
Historical Groundwater Analytical Results – Indicator Hazardous Substances
Five-Year Review Report
Univar Solutions Facility
8201 South 212th Street
Kent, Washington

Sample Location	Sample Date	TOC	DTW	GWE	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dichloroethane	1,2-Dichloropropane	Benzene	Chloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	Methylene Chloride	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Toluene	Total Xylenes	Vinyl Chloride
MTCA Method B CULs					7.7	7	80	0.48	1.20	0.80	--	1.40	16	700	5	5	200	0.54	640	1,600	0.50
MTCA CUL Rationale					Method B Cancer	Federal MCL	Method B Noncancer	Method B Cancer	Method B Cancer	Method B Cancer	No CUL	Method B Cancer	Method B Cancer	Federal MCL	Federal MCL	Federal MCL	Federal MCL	Method B Cancer	Method B Noncancer	Method B Noncancer	See Notes
MW-19	5/2/2008	33.52	6.5	27.02	1.9	< 0.10 U	1.8 J	< 0.07 U	< 0.042 U	1	1.6	< 0.04 U	0.18 J	0.58	<0.23 U	<0.077 U	<0.05 U	< 0.06 U	0.59	21.4	2
MW-19	10/1/2008	33.52	7.64	25.88	0.84	< 0.10 U	0.49 J	**< 0.073 U**	< 0.042 U	0.77	0.96	< 0.042 U	30	0.10 J	<0.23 U	<0.077 U	<0.05 U	0.10 J	0.44 JB	4.17	75
MW-19	3/23/2009	33.52	6.27	27.25	0.8	<0.50 U	<0.50 U	**<0.50 U**	<0.50 U	0.5	<0.50 U	< 1.0 U	0.5	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	1.5	2.3
MW-19	9/29/2009	33.52	7.79	25.73	2.4	<0.50 U	<0.50 U	**<0.50 U**	<0.50 U	0.9	3.2	< 1.0 U	2.3	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	4.1	18
MW-19	3/30/2010	33.52	6.18	27.34	0.8	<0.50 U	<0.50 U	**<0.50 U**	<0.50 U	0.7	2.4	< 1.0 U	1.1	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	1.2	5
MW-19	3/30/2010 (LAB DUP)	33.52	6.18	27.34	0.9	<0.50 U	<0.50 U	**<0.50 U**	<0.50 U	0.7	2.4	< 1.0 U	1.2	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	1.6	4.4
MW-19	9/28/2010	33.52	6.9	26.62	1.06	<0.50 U	2	**<0.50 U**	<0.50 U	0.93	10.4	< 1.0 U	24	2.08	<0.50 U	<0.50 U	<0.50 U	<0.50 U	6.43	8.11	97
MW-19	3/7/2011	33.52	5.69	27.83	<0.50 U	<0.50 U	3.37	**<0.50 U**	<0.50 U	0.89	2.33	< 1.0 U	99	9.55	<0.50 U	<0.50 U	<0.50 U	<0.50 U	7.3	31.6	65
MW-19	9/21/2011	33.52	7.61	25.91	2.71	3.26	1.96	**<0.50 U**	<0.50 U	1.01	6.56	< 1.0 U	1,330	6.29	<0.50 U	<0.50 U	<0.50 U	<0.50 U	16.8	13.27	633
MW-19	12/7/2011	33.52	6.89	26.63	4.99	1.06	5.02	**<0.50 U**	<0.50 U	1.22	16	< 1.0 U	833	17.9	<0.50 U	<0.50 U	<0.50 U	<0.50 U	54	54	1,360
MW-19	3/8/2012	33.52	5.9	27.62	4.7	<0.500 U	6.48	**<0.500 U**	<0.500 U	1.42	11.1	< 1.00 U	324	30.5	<0.500 U	<0.500 U	<0.500 U	<0.500 U	64	85	572
MW-19	6/27/2012	33.52	6.25	27.27	0.73	<0.500 U	<0.500 U	**<0.500 U**	<0.500 U	<0.500 U	<0.500 U	< 1.00 U	116	1.26	<0.500 U	<0.500 U	<0.500 U	<0.500 U	0.85	3.11	118
MW-19	9/28/2012	33.52	6.25	27.27	1.45	<0.500 U	<0.500 U	**<0.500 U**	<0.500 U	<0.500 U	0.76	< 1.00 U	73.0 J	2.42	<0.500 U	<0.500 U	<0.500 U	<0.500 U	1.14	4.73	81
MW-19	12/19/2012	33.52	5.93	27.59	1.8	<0.500 U	1.11	**<0.500 U**	<0.500 U	<0.500 U	2.97	< 1.00 U	128	3.76	<0.500 U	<0.500 U	<0.500 U	<0.500 U	3.02	4.83	342
MW-19	3/5/2013	33.52	6.21	27.31	10.4	4.33	8.8	**<0.500 U**	<0.500 U	2.31	<0.500 U	< 1.00 U	1,890	43	0.75	<0.500 U	<0.500 U	<0.500 U	54	93	1,420
MW-19	6/6/2013	33.52	6.57	26.95	6.35 J	3.58	9.91	**<0.500 U**	<0.500 U	1.95	43.6	< 1.00 U	2560 J	45.8	<0.500 U	<0.500 U	<0.500 U	<0.500 U	63	85	2240 J
MW-19	6/6/2013 (DUP)	33.52	6.57	26.95	8.65 J	4.68	11.3	**<0.500 U**	<0.500 U	2.46	59	< 1.00 U	4300 J	53	0.57	<0.500 U	<0.500 U	<0.500 U	76	97	3620 J
MW-19	9/25/2013	33.52	7.26	26.26	4.88	<0.500 U	10.3	**<0.500 U**	<0.500 U	1.41	20.9	< 1.00 U	285	36.8	<0.500 U	<0.500 U	<0.500 U	<0.500 U	42.3	67	664
MW-19	3/27/2014	33.52	5.55	27.97	<0.500 U	<0.500 U	1.05	**<0.500 U**	<0.500 U	<0.500 U	0.85	< 1.00 U	1.8	3.28	<0.500 U	<0.500 U	<0.500 U	<0.500 U	1.91	6.81	4.63
MW-19	3/27/2014 (DUP)	33.52	5.55	27.97	0.96	<0.500 U	1.03	**<0.500 U**	<0.500 U	<0.500 U	0.88	< 1.00 U	1.9	3.37	<0.500 U	<0.500 U	<0.500 U	<0.500 U	1.92	6.97	4.87
MW-19	9/25/2014	33.52	7.74	25.78	2.17	<0.500 U	11.2	**<0.500 U**	<0.500 U	0.69	5.47	< 1.00 U	0.6	9.91	<0.500 U	<0.500 U	<0.500 U	<0.500 U	0.648	35.82	< 0.200 U
MW-19	3/19/2015	33.52	5.68	27.84	2.3	< 1.0 U	16.6	**< 0.50 U**	< 0.50 U	1.1	2.9	< 1.0 U	0.30 J	1.9	< 5.0 U	< 0.50 U	< 1.0 U	**< 1.0 U**	0.73 J	--	0.34 J
MW-19	3/19/2015 (DUP)	33.52	5.68	27.84	2.1	< 1.0 U	13.8	**< 0.50 U**	< 0.50 U	1	2.4	< 1.0 U	0.28 J	1.3	< 5.0 U	< 0.50 U	< 1.0 U	**< 1.0 U**	0.68 J	--	0.31 J
MW-19	9/15/2015	33.52	7.97	25.55	1.2 J	< 1.0 UJ	14.9 J	**< 0.50 UJ**	< 0.50 UJ	1.0 J	12.9 J	< 1.0 UJ	0.30 J	10.4 J	< 5.0 UJ	< 0.50 UJ	< 1.0 UJ	**< 1.0 UJ**	5.9 J	--	0.42 J
MW-19	9/15/2015	33.52	7.97	25.55	1.3 J	< 1.0 UJ	16.3 J	**< 0.50 UJ**	< 0.50 UJ	1.0 J	14.5 J	< 1.0 UJ	0.31 J	11.7 J	< 5.0 UJ	< 0.50 UJ	< 1.0 UJ	**< 1.0 UJ**	6.8 J	--	0.48 J
MW-19	3/14/2016	33.52	5.3	28.22	0.49 J	< 1.0 U	4.5	**< 0.50 U**	< 0.50 U	0.55	1.2	< 1.0 U	< 1.0 U	5.6	**< 25.0 U**	< 0.50 U	< 1.0 U	**< 1.0 U**	0.35 J	--	< 0.50 U
MW-19	3/14/2016	33.52	5.3	28.22	< 5.0 U	< 5.0 U	2.3 J	**< 2.5 U**	**< 2.5 U**	**< 2.5 U**	< 5.0 U	**< 5.0 U**	< 5.0 U	3.6 J	< 5.0 U	< 2.50 U	< 5.0 U	**< 5.0 U**	2.2 J	--	**< 2.50 U**
MW-19	9/13/2016	33.52	7.86	25.66	1.4	< 1.0 U	10.2	**< 0.50 U**	< 0.50 U	0.96	9.2	< 1.0 U	18.7	11.5	< 5.0 U	< 0.50 U	< 1.0 U	**< 1.0 U**	9.2	--	89
MW-19	9/13/2016	33.52	7.86	25.66	1.4	< 1.0 U	9.7	**< 0.50 U**	< 0.50 U	0.93	8.9	< 1.0 U	18.1	11.1	< 5.0 U	< 0.50 U	< 1.0 U	**< 1.0 U**	8.8	--	75
MW-19	3/9/2017	33.52	7.86	25.66	1.1	< 0.50 U	13.2	0.14 J	< 0.50 U	1.2	2.7	< 0.50 U	0.15 J	20.6	< 2.0 U	< 0.50 U	< 0.50 U	< 0.50 U	3.5	--	0.32 J
MW-19	3/9/2017	33.52	7.86	25.66	0.98	< 0.50 U	13.1	0.14 J	< 0.50 U	1.1	2.2	< 0.50 U	< 0.50 U	19.3	< 2.0 U	< 0.50 U	< 0.50 U	< 0.50 U	3.4	--	0.27 J
MW-19	9/19/2017	33.52	7.86	25.66	0.42 J	< 0.13 U	18.1	< 0.13 U	< 0.13 U	1.5	7.6 J	< 0.13 U	0.42 J	24.2 J	< 2.0 U	< 0.13 U	< 0.13 U	< 0.13 U	7.6 J	--	1.1
MW-19	9/19/2017	33.52	7.86	25.66	0.37 J	< 0.13 U	11.1	< 0.13 U	< 0.13 U	0.82	3.8 J	< 0.13 U	0.34 J	13.6 J	< 2.0 U	< 0.13 U	< 0.13 U	< 0.13 U	4.2 J	--	0.73
MW-19	3/19/2018	33.52	6.11	27.41	0.25 J-	< 0.50 UJ	17.3 J-	**< 0.50 UJ**	< 0.50 UJ	0.92 J-	3.0 J-	< 0.50 UJ	< 0.50 UJ	19.7 J-	< 2.0 U	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	1.9 J-	--	0.21 J-
MW-19	3/19/2018	33.52	6.11	27.41	0.28 J-	< 0.50 UJ	20.5 J-	**< 0.50 UJ**	< 0.50 UJ	1.1 J-	3.4 J-	< 0.50 UJ	< 0.50 UJ	22.5 J-	< 2.0 U	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	2.2 J-	--	0.21 J-
MW-19	9/12/2018	33.52	7.84	25.68	0.18 J	< 0.50 U	7	**< 0.50 U**	< 0.50 U	0.76	2.5	< 0.50 U	0.15 J	11.5	< 2.0 U	< 0.50 U	< 0.50 U	< 0.50 U	0.72	--	0.28 J
MW-19	9/12/2018	33.52	7.84	25.68	0.16 J	< 0.50 U	7.6	**< 0.50 U**	< 0.50 U	0.78	2.5	< 0.50 U	0.15 J	12.3	< 2.0 U	< 0.50 U	< 0.50 U	< 0.50 U	0.76	--	0.27 J
MW-19	5/30/2019	33.52	--	--	0.16 J	< 0.50 U	39.8	**< 0.50 U**	< 0.50 U	1.9	4.5	0.17 J	0.30 J	39.9	< 2.0 U	< 0.50 U	< 0.50 U	< 0.50 U	1.3	6.2	0.6

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MTCA Method B CULs					7.7	7	80	0.48	1.20	0.80	--	1.40	16	700	5	5	200	0.54	640	1,600	0.50
MTCA CUL Rationale					Method B Cancer	Federal MCL	Method B Noncancer	Method B Cancer	Method B Cancer	Method B Cancer	No CUL	Method B Cancer	Method B Cancer	Federal MCL	Federal MCL	Federal MCL	Federal MCL	Method B Cancer	Method B Noncancer	Method B Noncancer	See Notes
MW-19	8/26/2019	33.52	7.58	25.94	0.19 J	< 0.50 U	4.3	**< 0.50 U**	< 0.50 U	0.38 J	1	< 0.50 U	< 0.50 U	5.3	< 2.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.22 U	0.7	0.18 J
MW-19	5/13/2020	33.38	6.17	27.21	0.22 J	< 0.50 U	0.46 J	**< 0.50 U**	< 0.50 U	0.15 J	< 0.50 U	< 0.50 U	0.66	0.24 J	< 2.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	0.28 J	**0.54**
MW-19	9/24/2020	33.38	7.20	26.18	0.2 J	< 0.50 U	1.8	**< 0.50 U**	< 0.50 U	0.17 J	< 0.50 U	< 0.50 U	0.36 J	0.48 J	< 2.0 U	< 0.50 U	< 0.50 U	< 0.50 U	0.14 J	0.18 J	< 0.50 U
MW-19	6/23/2022	33.38	6.33	27.05	< 0.13 U	< 0.13 U	6	< 0.13 U	< 0.13 U	0.34	0.74	< 0.13 U	**25**	8.1	1.70 JB	< 0.13 U	< 0.13 U	< 0.13 U	6.1	9.7	**43.5**
MW-20	7/28/2005	33.15	6.92	26.23	1.6	< 0.50 U	< 2.0 U	**< 0.50 U**	< 0.50 U	**18**	140	< 0.50 U	< 0.50 U	4.3	< 2.0 U	< 0.50 U	< 0.50 U	< 0.50 U	1.7	124	< 0.50 U
MW-20	9/20/2005	33.15	7.74	25.41	0.39 J	< 0.13 U	1.1 J	< 0.12 U	< 0.14 U	**16**	130	< 0.14 U	0.14 J	1.4	0.57 J	< 0.13 U	< 0.12 U	< 0.14 U	1.5	92	0.14 J
MW-20	9/20/2005	33.15	7.74	25.41	0.35 J	< 0.13 U	1.0 J	< 0.12 U	< 0.14 U	**16**	130	< 0.14 U	0.15 J	1.5	0.57 J	< 0.13 U	< 0.12 U	< 0.14 U	1.4	92	0.16 J
MW-20	3/15/2006	33.15	6.03	27.12	1.7 J	< 0.13 U	0.87 J	< 0.12 U	< 0.14 U	**16**	140	< 0.14 U	0.12 J	3.0	0.86 J	< 0.13 U	< 0.12 U	< 0.14 U	1.5	144	0.23 J
MW-20	9/12/2006	33.15	7.96	25.19	0.12 J	< 0.13 U	0.44 J	< 0.12 U	< 0.14 U	**15**	140	< 0.14 U	0.15 J	0.17 J	0.56 J	< 0.13 U	< 0.12 U	< 0.14 U	0.86	35	0.22 J
MW-20	4/5/2007	33.15	5.94	27.21	0.93	< 0.13 U	1.2 J	< 0.12 U	< 0.14 U	**15**	88	< 0.14 U	0.15 J	0.57	0.74 J	< 0.13 U	< 0.12 U	< 0.14 U	1.6	114	0.21 J
MW-20	9/26/2007	33.15	7.71	25.44	< 0.11 U	< 0.13 U	0.96 J	< 0.12 U	< 0.14 U	**13**	85	< 0.14 U	0.12 J	0.22 J	0.46 J	< 0.13 U	< 0.12 U	< 0.14 U	1.2	22.7	0.13 J
MW-20	5/2/2008	33.15	6.23	26.92	0.19 J	< 0.10 U	0.47 J	< 0.34 U	< 0.04 U	**11**	76	< 0.04 U	0.16 J	0.26 J	0.46 J	< 0.077 U	< 0.05 U	0.07 J	0.93	71	0.14 J
MW-20	5/2/2008 (DUP)	33.15	6.23	26.92	0.18 J	< 0.10 U	0.85 J	< 0.34 U	< 0.042	**12**	**72**	< 0.042 U	0.11 J	0.29 J	0.46 J	< 0.077 U	< 0.05 U	0.061	1	75	0.15 J
MW-20	9/29/2008	33.15	7.36	25.79	< 0.04 U	< 0.10 U	0.47	**< 0.073 U**	< 0.042	**15**	**110**	< 0.042 U	0.13 J	0.17 J	0.53 J	< 0.077 U	< 0.05 U	0.061	1.2	8.9	0.13 J
MW-20	3/23/2009	33.15	6.07	27.08	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	**13**	**89**	< 0.10 U	< 0.50 U	65	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	1.3	86	**1**
MW-20	9/30/2009	33.15	7.52	25.63	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	**14**	**190**	< 0.10 U	< 0.50 U	1.3	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	0.7	4	0.31 J
MW-20	3/29/2010	33.15	5.74	27.41	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	**18 J**	**140**	< 0.10 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	1	7.1	0.2
MW-20	10/1/2010	33.15	6.60	26.55	< 0.50 U	< 0.50 U	1.27	**< 0.50 U**	< 0.50 U	**15.2**	**195**	< 0.10 U	< 0.50 U	< 0.500 U	0.73 J	< 0.50 U	< 0.50 U	< 0.50 U	0.94	4.26	0.12 J
MW-20	3/2/2011	33.15	5.45	27.70	< 0.50 U	< 0.50 U	1.05	**< 0.50 U**	< 0.50 U	**12.8**	**76**	< 0.10 U	1.38	< 0.500 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	1.58	17.7	< 0.20 U
MW-20	9/26/2011	33.15	7.32	25.83	< 0.50 U	< 0.50 U	0.89	**< 0.50 U**	< 0.50 U	**13.9**	**161**	< 0.10 U	< 0.50 U	< 0.500 U	0.62	< 0.50 U	< 0.50 U	< 0.50 U	0.93	4.33	< 0.20 U
MW-20	3/8/2012	33.15	5.65	27.50	< 0.500 U	< 0.500 U	0.60	**< 0.500 U**	< 0.500 U	**10.9**	**72**	< 0.100 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	0.88	4.69	< 0.200 U
MW-20	10/1/2012	33.15	7.67	25.48	< 0.500 U	< 0.500 U	1.26	**< 0.500 U**	< 0.500 U	**14.8**	**161**	< 0.100 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	0.95	5.1	< 0.200 U
MW-20	3/8/2013	33.15	5.92	27.23	< 0.500 U	< 0.500 U	< 0.50 U	**< 0.500 U**	< 0.500 U	< 0.500 U	**4.4**	< 0.100 U	< 0.500 U	0.89	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	0.79	< 0.200 U
MW-20	6/6/2013	33.15	6.30	26.85	< 0.500 U	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	**10.3**	**100**	< 0.100 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	0.53	3.28	< 0.200 U
MW-20	9/27/2013	33.15	7.00	26.15	< 0.500 U	< 0.500 U	1.1	**< 0.500 U**	< 0.500 U	**16**	**122**	< 0.100 U	< 0.500 U	< 0.500 U	0.67	< 0.500 U	< 0.500 U	< 0.500 U	1.06	5.51	< 0.200 U
MW-20	3/27/2014	33.15	5.37	27.78	< 0.500 U	< 0.500 U	1.15	**< 0.500 U**	< 0.500 U	**11.7**	**92**	< 0.100 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	0.83	5	< 0.200 U
MW-20	9/25/2014	33.15	7.46	25.69	< 0.500 U	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	**11.7**	**127**	< 0.100 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.200 U
MW-20	3/18/2015	33.15	5.50	27.65	< 1.0 U	< 1.0 U	0.41 J	**< 0.50 U**	< 0.50 U	**9.5**	70	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	< 0.50 U	< 1.0 U	**< 1.0 U**	0.85 J	2.26	< 0.50 U
MW-20	9/16/2015	33.15	7.71	25.44	< 1.0 U	< 1.0 U	0.31 J	**< 0.50 U**	< 0.50 U	**14.8**	171	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	< 0.50 U	< 1.0 U	**< 1.0 U**	0.72 J	3.9	< 0.50 U
MW-20	3/15/2016	33.15	5.12	28.03	< 5.0 U	< 5.0 U	< 10 U	**< 2.5 U**	**< 2.5 U**	**8.6**	90	**< 5.0 U**	< 5.0 U	< 5.0 U	**< 25.0 U**	< 2.5 U	< 5.0 U	**< 5.0 U**	2.2 J	< 5.0 U	**< 2.50 U**
MW-20	9/15/2016	33.15	7.49	25.66	< 2.5 U	< 2.5 U	< 5.0 U	**< 1.3 U**	**< 1.3 U**	**16.2**	217	**< 2.5 U**	< 2.5 U	< 2.5 U	**< 13.0 U**	< 1.3 U	< 2.5 U	**< 2.5 U**	0.77 J	3.30 J	**< 1.30 U**
MW-20	3/8/2017	33.15	5.37	27.78	< 5.0 UJ	< 5.0 UJ	< 5.0 UJ	**< 5.0 UJ**	**< 5.0 UJ**	**9.9 J**	142 J	**< 5.0 UJ**	< 5.0 UJ	< 5.0 UJ	**10.70 J**	< 5.0 UJ	< 5.0 UJ	**< 5.0 UJ**	< 5.0 UJ	10 UJ	**< 5.0 UJ**
MW-20	9/19/2017	33.15	7.47	25.68	< 0.13 U	< 0.13 U	0.30 J	< 0.13 U	< 0.13 U	**21.5**	232	< 0.13 U	0.17 J	< 0.13 U	< 2.0 U	< 0.13 U	< 0.13 U	< 0.13 U	0.91	3.9	< 0.13 U
MW-20	3/20/2018	33.15	6.53	26.62	< 0.50 UJ	< 0.50 UJ	0.50 J-	**< 0.50 UJ**	< 0.50 UJ	**17.8 J-**	137 J-	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 2.0 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	0.62 J-	3.4 J-	0.13 J-
MW-20	9/12/2018	33.15	7.76	25.39	< 0.50 U	< 0.50 U	0.20 J	**< 0.50 U**	< 0.50 U	**17.5**	363	< 0.50 U	0.14 J	< 0.50 U	1.20 J	< 0.50 U	< 0.50 U	< 0.50 U	0.66	2.4	0.17 J
MW-20	6/3/2019	33.15	6.40	26.75	< 0.50 U	< 0.50 U	0.24 J	**< 0.50 U**	< 0.50 U	**18.4**	187 J-	< 0.50 U	0.13 J	< 0.50 U	1.1 J	< 0.50 U	< 0.50 U	< 0.50 U	0.89	2.5	0.15 J
MW-20	8/28/2019	33.15	7.30	25.85	< 0.50 U	< 0.50 U	0.17 J	**< 0.50 U**	< 0.50 U	**14.5**	234 J-	< 0.50 U	0.14 J	< 0.50 U	1.1 J	< 0.50 U	< 0.50 U	< 0.50 U	0.51 J+	1.69	< 0.50 U

Table 2
Historical Groundwater Analytical Results – Indicator Hazardous Substances
Five-Year Review Report
Univar Solutions Facility
8201 South 212th Street
Kent, Washington

Sample Location	Sample Date	TOC	DTW	GWE	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dichloroethane	1,2-Dichloropropane	Benzene	Chloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	Methylene Chloride	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Toluene	Total Xylenes	Vinyl Chloride
MTCA Method B CULs					7.7	7	80	0.48	1.20	0.80	--	1.40	16	700	5	5	200	0.54	640	1,600	0.50
MTCA CUL Rationale					Method B Cancer	Federal MCL	Method B Noncancer	Method B Cancer	Method B Cancer	Method B Cancer	No CUL	Method B Cancer	Method B Cancer	Federal MCL	Federal MCL	Federal MCL	Federal MCL	Method B Cancer	Method B Noncancer	Method B Noncancer	See Notes
MW-20	5/14/2020	33.04	6.70	26.34	< 0.50 U	< 0.50 U	0.24 J	**< 0.50 U**	< 0.50 U	**15.2**	236	< 0.50 U	< 0.50 U	< 0.50 U	< 2.0 U	< 0.50 U	< 0.50 U	< 0.50 U	0.63 J+	2.19	0.16 J
MW-20	9/24/2020	33.04	7.00	26.04	< 0.50 U	< 0.50 U	0.19 J	**< 0.50 U**	< 0.50 U	**3.1**	171 J	0.14 J	< 0.50 U	< 0.50 U	< 2.0 U	< 0.50 U	< 0.50 U	< 0.50 U	0.58	1.93	< 0.50 U
MW-20	6/23/2022	33.04	7.06	25.98	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-21	9/14/2006	32.86	7.45	25.41	**1,700**	**71**	**210**	**< 5.7 U**	**< 7.0 U**	**< 6.8 U**	210	**< 6.8 U**	**8,400**	**1,700**	**15 J**	**160**	**1,200**	**190**	**9,300**	**8,100**	**1,500**
MW-21	9/14/2006(DUP)	32.86	7.45	25.41	**1,600**	**63**	**200**	**< 5.7 U**	**< 7.0 U**	**< 6.8 U**	210	**< 6.8 U**	**8,500**	**1,600**	**15 J**	**140**	**1,000**	**160**	**9,300**	**7,400**	**1,400**
MW-21	4/4/2007	32.86	5.06	27.80	**2,200**	**57**	**260**	**0.50 J**	< 0.35 U	**1.3 J**	140	0.80 J	**8,400**	**1,900**	**12**	2.5	**470**	**16**	**11,000**	**7,600**	**1,500**
MW-21	9/25/2007	32.86	7.15	25.71	**2,400**	**42**	**220**	**< 2.9 U**	**< 3.5 U**	**< 3.4 U**	230	**< 3.4 U**	**5,900**	**1,500**	**15 J**	< 3.0 U	100	**< 3.4 U**	**7,400**	**6,300**	**3,100**
MW-21	5/2/2008	32.86	5.62	27.24	**2,200**	**32**	**190**	**< 1.5 U**	< 0.84 U	**1.6 J**	440	< 0.84 U	**4,000**	**1,400**	**9 J**	< 2.0 U	59	**< 1.3 U**	**7,000**	**6,100**	**3,800**
MW-21	9/30/2008	32.86	6.82	26.04	**780**	**15**	**220**	**< 1.9 U**	< 1.1 U	**< 1.2 U**	1,000	< 1.1 U	**2,500**	**1,700**	**10 J**	< 2.0 U	9 J	**1.6 U**	**6,100**	**7,200**	**2,600**
MW-21	3/25/2009	32.86	5.39	27.47	**700**	**9.5**	**240**	**< 25 U**	**< 25 U**	**12**	1,600	**< 50 U**	**1,200**	**1,800**	**< 25 U**	**< 25 U**	8.5 J	**7.5**	**5,800**	**7,500**	**1,900**
MW-21	9/30/2009	32.86	7.07	25.79	**< 10 U**	**25**	**280**	**< 10 U**	**< 10 U**	**< 10 U**	2,600	**< 20 U**	**4,100**	**2,100**	**< 10 U**	**< 10 U**	37	**10 U**	**6,200**	**8,100**	**8,200**
MW-21	3/26/2010	32.86	5.82	27.04	**< 10 U**	**< 10 U**	58	**< 0.5 U**	< 0.5 U	**18**	400	< 1.0 U	**280**	**740**	< 0.50 U	< 0.5 U	8.8 J	0.5	**2,400**	**1,800**	**350**
MW-21	4/16/2010	32.86	6.38	26.48	**810**	**19**	**190**	**< 10 U**	**< 10 U**	**< 10 U**	1,400	**< 20 U**	**3,800**	**1,600**	**< 10 U**	**< 10 U**	70	**10 U**	**4,700**	**3,800**	**2,100**
MW-21	5/6/2010	32.86	6.28	26.58	**220**	< 5.0 U	**190**	**< 10 U**	**< 10 U**	**< 10 U**	1,200	**< 20 U**	**370**	**1,900**	**< 10 U**	< 5.0 U	34	**5.0 U**	**5,400**	**4,600**	**490**
MW-21	5/6/2010 (DUP)	32.86	6.28	26.58	**210**	< 5.0 U	**180**	**< 10 U**	**< 10 U**	**< 10 U**	1,200	**< 20 U**	**380**	**1,800**	**< 10 U**	< 5.0 U	34	**5.0 U**	**5,400**	**4,600**	**520**
MW-21	6/9/2010	32.86	6.28	26.58	**110**	< 5.0 U	49	**< 10 U**	**< 10 U**	**< 10 U**	1,000	**< 20 U**	**67**	540	**< 10 U**	< 5.0 U	16	**5.0 U**	**3,200**	1,400	**150**
MW-21	7/6/2010	32.86	5.85	27.01	**90**	< 5.0 U	**98**	**< 10 U**	**< 10 U**	**< 10 U**	1,600	**< 20 U**	**42**	640	**< 10 U**	< 5.0 U	13	**5.0 U**	**5,500**	1,600	**210**
MW-21	7/6/2010 (LAB DUP)	32.86	5.85	27.01	**80**	< 5.0 U	76	**< 10 U**	**< 10 U**	**< 10 U**	1,500	**< 20 U**	**34**	670	**< 10 U**	< 5.0 U	11	**5.0 U**	**5,000**	1,500	**170**
MW-21	9/30/2010	32.86	6.15	26.71	**91**	< 5.0 U	**142**	**< 10 U**	**< 10 U**	**< 10 U**	1,120	**< 20 U**	**131**	**1,120**	**11**	< 5.0 U	10 U	**5.0 U**	**4,890**	**2,880**	**243**
MW-21	3/2/2011	32.86	4.85	28.01	**288**	**9.28**	**174**	**< 0.50 U**	< 0.50 U	0.75	1,130	< 1.0 U	**3,330**	**1,045**	4.61	1.92	34.7	**2.11**	**4630 J**	**4,250**	**1,030**
MW-21	3/2/2011 (DUP)	32.86	4.85	28.01	**295**	**9.09**	**175**	**< 0.50 U**	< 0.50 U	**0.820**	921	< 1.0 U	**2,820**	**899**	4.93	1.81	35.5	**1.95**	**3,830**	**3,640**	**875**
MW-21	3/2/2011 (LAB DUP)	32.86	4.85	28.01	**286**	**9.12**	**177**	**< 0.50 U**	< 0.50 U	0.78	869	< 1.0 U	**2,760**	**873**	4.73	1.85	34.3	**1.97**	**3,760**	**3,560**	**912**
MW-21	6/23/2011	32.86	5.42	27.44	**219**	**9.72**	**171**	**< 0.50 U**	**1.15 J**	0.79	921	< 1.0 U	**2,560**	**983**	3.04	0.78	51	**1.44**	**3,630**	**3,720**	**1,290**
MW-21	6/23/2011 (DUP)	32.86	5.42	27.44	**243**	**9.83**	**200**	**< 0.50 U**	< 0.50 UJ	0.8	983	< 1.0 U	**2,630**	**1,050**	3.06	0.63	48.9	**1.38**	**3,760**	**4,020**	**1,350**
MW-21	9/22/2011	32.86	6.85	26.01	**112**	2.72	**134**	**< 0.50 U**	< 0.50 U	0.79	< 0.50 U	< 1.0 U	**842**	**926**	4.92	0.74	5.26	**0.94**	**6,060**	**3,822**	**1,010**
MW-21	12/7/2011	32.86	6.06	26.80	**115**	5.62	**185**	**< 0.50 U**	< 0.50 U	0.77	1,190	< 1.0 U	**1,890**	**1,350**	3.82	1.12	8.73	**1.15**	**6,720**	**5,520**	**1,460**
MW-21	3/8/2012	32.86	5.05	27.81	**71**	2.44	**128**	**< 0.500 U**	< 0.500 U	0.66	913	< 1.00 U	**979**	**1,050**	2.91	1.02	4.64	**0.71**	**5,250**	**4,430**	**801**
MW-21	6/26/2012	32.86	5.47	27.39	**96**	5.01	**158**	**< 0.500 U**	< 0.500 U	**0.81**	962	< 1.00 U	**2,000**	**1,460**	2.24	1.86	7.19	**0.94**	**5,940**	**5,930**	**1040 J**
MW-21	10/2/2012	32.86	5.45	27.41	**74**	4.27	**156**	**< 0.500 U**	< 0.500 U	**0.97**	1,170	< 1.00 U	**1,530**	**1,560**	2.76	1.19	4.37	**1.59**	**6,710**	**6,540**	**1,610**
MW-21	10/2/2012 (DUP)	32.86	5.45	27.41	**76**	4.26	**154**	**< 0.500 U**	< 0.500 U	**0.96**	1,130	< 1.00 U	**1,500**	**1,540**	2.68	1.07	4.04	**0.81**	**6,280**	**6,340**	**1,590**
MW-21	12/20/2012	32.86	5.10	27.76	**76**	3.17	**154**	**< 0.500 U**	< 0.500 U	**0.88**	825	< 1.00 U	**1,070**	**1,490**	1.35	0.86	< 0.500 U	< 0.500 U	**5,600**	**6,200**	**1,210**
MW-21	3/6/2013	32.86	5.35	27.51	**73**	2.85	**82**	**< 0.500 U**	< 0.500 U	0.53	615	< 1.00 U	**1,240**	**1,470**	2.27	1.55	1.42	**1.26**	**4,360**	**6,450**	**1,120**
MW-21	6/6/2013	32.86	5.74	27.12	**89**	0.5	**121**	**< 0.500 U**	< 0.500 U	**0.81**	928	< 1.00 U	**988**	**1,290**	2.27	1.17	2.81	0.5	**4,520**	**5,310**	**663**
MW-21	9/25/2013	32.86	6.53	26.33	**83**	1.8	**297**	**< 0.500 U**	< 0.500 U	0.77	579	< 1.00 U	**712**	**2,060**	1.99	< 0.500 U	3.02	< 0.500 U	**5,290**	**8,710**	**666**
MW-21	3/26/2014	32.86	4.67	28.19	**59**	0.5	**237**	**< 0.500 U**	< 0.500 U	**0.81**	615	< 1.00 U	**227**	**1,380**	0.88	1.17	< 0.500 U	< 0.500 U	**2,650**	**5,840**	**449**
MW-21	9/24/2014	32.86	6.96	25.90	**60 J**	0.5	**317 J**	**< 0.500 U**	**2.29 J**	**0.810 J**	477 J	< 1.00 UJ	**57.90 J**	**1670 J**	1.36 J	< 0.500 U	< 0.500 U	< 0.500 U	**1480 J**	**7900 J**	**184 J**
MW-21	3/17/2015	32.86	4.93	27.93	**30.8 J**	**< 50.0 U**	**163**	**< 25.0 U**	**< 25.0 U**	**< 25.0 U**	317	**< 50.0 U**	**< 50.0 U**	**1,120**	**< 250 U**	**< 25.0 U**	< 50.0 U	**< 50.0 U**	270	--	**13.1 J**

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Kent, Washington

Sample Location	Sample Date	TOC	DTW	GWE	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dichloroethane	1,2-Dichloropropane	Benzene	Chloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	Methylene Chloride	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Toluene	Total Xylenes	Vinyl Chloride
MTCA Method B CULs					7.7	7	80	0.48	1.20	0.80	--	1.40	16	700	5	5	200	0.54	640	1,600	0.50
MTCA CUL Rationale					Method B Cancer	Federal MCL	Method B Noncancer	Method B Cancer	Method B Cancer	Method B Cancer	No CUL	Method B Cancer	Method B Cancer	Federal MCL	Federal MCL	Federal MCL	Federal MCL	Method B Cancer	Method B Noncancer	Method B Noncancer	See Notes
MW-21	9/15/2015	32.86	7.22	25.64	< 25.0 U	< 25.0 U	207	< 13.0 U	< 13.0 U	< 13.0 U	350	< 25.0 U	6.7 J	951	< 130 U	< 13.0 U	< 25.0 U	< 25.0 U	189	--	13.4
MW-21	3/16/2016	32.86	4.38	28.48	8.4	< 5.0 U	157	< 2.5 U	< 2.50 U	< 2.50 U	288	< 5.0 U	22	1,530	< 25.0 U	< 2.50 U	< 5.0 U	< 5.0 U	263	--	23.5
MW-21	9/15/2016	32.86	7.10	25.76	8.80 J	< 10.0 U	371	< 5.0 U	< 5.0 U	< 5.0 U	350	< 10.0 U	4.1 J	1,450	< 50.0 U	< 5.0 U	< 10.0 U	< 10.0 U	285	--	5.8
MW-21	3/7/2017	32.86	4.68	28.18	< 50.0 U	< 50 U	261	< 50 U	< 50.0 U	< 50.0 U	270	< 50.0 U	< 50 U	1,010	< 200 U	< 50.0 U	< 50.0 U	< 50.0 U	238	--	< 50 U
MW-21	9/20/2017	32.86	7.06	25.80	6.2	< 0.13 U	344	< 0.13 U	< 0.13 U	0.95	370	< 0.13 U	3	703	< 2.0 U	< 0.13 U	0.54	< 0.13 U	52.20 J	10,300	1.3
MW-21	3/20/2018	32.86	6.09	26.77	< 50.0 UJ	< 50.0 UJ	212 J-	< 50.0 UJ	< 50.0 UJ	< 50.0 UJ	240 J-	< 50.0 UJ	< 50.0 UJ	740 J-	< 200 U	< 50 UJ	< 50.0 UJ	< 50.0 UJ	118 J-	--	< 50.0 UJ
MW-21	9/11/2018	32.86	7.26	25.60	< 25.0 U	< 25.0 U	306	< 25.0 U	< 25.0 U	< 25.0 U	330	< 25.0 U	< 25.0 U	267	< 100 U	< 25.0 U	< 25.0 U	< 25.0 U	8.30 J	--	< 25.0 U
MW-21	5/31/2019	32.86	5.85	27.01	23.8 J	< 25.0 U	368	< 25.0 U	< 25.0 U	< 25.0 U	281	< 25.0 U	< 25.0 U	1,040	< 100 U	< 25.0 U	< 25.0 U	< 25.0 U	136	7069	15.4 J
MW-21	8/29/2019	32.86	6.71	26.15	< 25.0 U	< 25.0 U	202	< 25.0 U	< 25.0 U	< 25.0 U	323	< 25.0 U	< 25.0 U	765	< 100 U	< 25.0 U	< 25.0 U	< 25.0 U	36.5	4768	< 25.0 U
MW-21	5/13/2020	32.8	5.33	27.47	33 J	< 50.0 U	295	< 50.0 U	< 50.0 U	< 50.0 U	309	< 50.0 U	< 50.0 U	1390	< 200 U	< 50.0 U	< 50.0 U	< 50.0 U	52	6376	< 50.0 U
MW-21	5/13/2020	32.8	5.33	27.47	32.4 J	< 50.0 U	298	< 50.0 U	< 50.0 U	< 50.0 U	307	< 50.0 U	< 50.0 U	1380	< 200 U	< 50.0 U	< 50.0 U	< 50.0 U	52	6345	< 50.0 U
MW-21	9/25/2020	32.8	6.70	26.10	< 50.0 U	< 50.0 U	414	< 50.0 U	< 50.0 U	< 50.0 U	326 J+	< 50.0 U	< 50.0 U	1040	< 200 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	5763	< 50.0 U
MW-21	9/25/2020	32.8	6.70	26.10	< 50.0 U	< 50.0 U	397	< 50.0 U	< 50.0 U	< 50.0 U	332 J+	< 50.0 U	< 50.0 U	1040	< 200 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	5606	< 50.0 U
MW-21	6/23/2022	32.8	8.44	24.36	< 6.30 U	< 6.30 U	371	< 6.30 U	< 6.30 U	< 6.30 U	132	< 6.30 U	< 6.30 U	323	<50.00 B	< 6.30 U	< 6.30 U	< 6.30 U	< 6.30 U	3,223	< 6.30 U
MW-22	9/14/2006	33.18	7.85	25.33	1,500	14 J	130	< 5.7 U	< 7.0 U	< 6.8 U	1,700	< 6.8 U	1,900	1,300	< 9.70 U	< 6.30 U	< 5.80 U	< 6.70 U	7,700	5,900	2,600
MW-22	4/4/2007	33.18	5.55	27.63	3,700	22 J	330	< 5.7 U	< 7.0 U	< 6.8 U	610	< 6.8 U	3,300	2,300	< 9.70 U	< 6.30 U	< 5.80 U	< 6.70 U	17,000	9,900	4,800
MW-22	4/4/2007	33.18	5.55	27.63	3,600	22 J	330	< 5.7 U	< 7.0 U	< 6.8 U	610	< 6.8 U	3,100	2,300	< 9.70 U	< 6.30 U	< 5.80 U	< 6.70 U	17,000	9,900	4,600
MW-22	9/26/2007	33.18	7.58	25.60	370	18	130	< 1.2 U	< 5.0 U	3.0 J	1,800	< 1.4 U	1,600	920	2.20 J	< 1.30 U	8.2	< 1.4 U	4,000	3,650	1,100
MW-22	5/2/2008	33.18	6.07	27.11	780	7.2 J	200	< 1.5 U	< 0.85 U	3.6 J	2,100	< 0.84 U	540	1,400	7.60 J	< 1.60 U	< 1.0 U	< 1.3 U	7,000	5,800	1,400
MW-22	10/1/2008	33.18	7.24	25.94	12	< 0.50 U	52	0.85 J	< 0.21 U	1.6 J	1,100	0.21 U	7.9	610	1.50 J	< 0.39 U	< 0.25 U	< 0.31 U	38	2,170	30
MW-22	10/01/08 (DUP)	33.18	7.24	25.94	12	< 1.0 U	61	1.0 J	< 0.42 U	1.7 J	1,100	0.42 U	6.9	650	< 2.30 U	< 0.77 U	< 0.50 U	< 0.61 U	34	2,290	27
MW-22	3/25/2009	33.18	5.81	27.37	72	< 0.50 U	140	< 0.50 U	< 0.50 U	19	1,400	< 1.0 U	11	960	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	1,600	3,700	160
MW-22	9/30/2009	33.18	--	--	17 J	25	39	< 25 U	< 25 U	< 25 U	1,100	< 50 U	17 J	730	< 25 U	< 25 U	< 25 U	< 25 U	170	3,100	960
MW-22	3/29/2010	33.18	5.96	27.22	24	< 0.50 U	44	< 0.50 U	< 0.50 U	< 0.50 U	480	< 1.0 U	< 0.50 U	650	< 10 U	25 U	< 0.50 U	< 0.50 U	840	1,500	7.4
MW-22	9/30/2010	33.18	6.54	26.64	< 10 U	< 0.50 U	45.2	< 10 U	< 10 U	< 10 U	611	< 20 U	2.6 J	296	10.80	< 5.0 U	< 10 U	< 5.0 U	24.4	751	< 2.0 UJ
MW-22	3/4/2011	33.18	5.28	27.90	26.9	0.78	161	0.54	< 0.50 U	1.2	531	< 1.0 U	184	531	< 0.50 U	0.5	< 0.50 U	16.7	596	2,750	74
MW-22	6/23/2011	33.18	--	--	3.98	0.66	45.9	< 0.50 U	< 0.50 UJ	0.64	173	< 1.0 U	2.27	148	0.58	< 0.50 U	< 0.50 U	< 0.50 U	55	1,008	1.13
MW-22	9/23/2011	33.18	--	--	7.4	< 0.50 U	74	< 0.50 U	< 0.50 U	0.92	< 0.50 U	< 1.0 U	2.1	422	1.19	< 0.50 U	< 0.50 U	< 0.50 U	79	1,828	9.27
MW-22	12/7/2011	33.18	6.49	26.69	13.1	< 0.50 U	137	< 0.50 U	< 0.50 U	0.55	272	< 1.0 U	10.1	760	0.77	< 0.50 U	< 0.50 U	< 0.50 U	1,390	3,081	32.4
MW-22	3/8/2012	33.18	5.48	27.70	13.1	< 0.500 U	169	< 0.500 U	< 0.500 U	< 0.500 U	286	< 1.00 U	1.15	815	0.52	< 0.500 U	< 0.500 U	< 0.500 U	1,630	3,388	6.8
MW-22	6/26/2012	33.18	5.85	27.33	38.9	0.56	166	< 0.500 U	< 0.500 U	0.73	280	< 1.00 U	1,300	807	0.51	< 0.500 U	2.06	< 0.500 U	1,910	3,336	1750 J
MW-22	06/26/12 (DUP)	33.18	5.85	27.33	38.3	< 0.500 U	178	< 0.500 U	< 0.500 U	0.68	282	< 1.00 U	1,030	743	< 0.500 U	< 0.500 U	1.93	< 0.500 U	1,750	3,002	1230 J
MW-22	10/2/2012	33.18	5.85	27.33	30.4	< 0.500 U	136	< 0.500 U	< 0.500 U	< 0.500 U	204	< 1.00 U	623	552	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	728	2,643	1,520
MW-22	12/19/2012	33.18	5.50	27.68	9.76	1.63	172	< 0.500 U	< 0.500 U	0.56	278	< 1.00 U	244	732	< 0.500 U	1.05	< 0.500 U	65	260	3,455	208
MW-22	3/6/2013	33.18	--	--	17.4	6.77	51.50 J	< 0.500 U	< 0.500 U	0.51	< 0.50 U	< 1.00 U	1,310	376 J	1.06	4.41	1.26	185	156	2168 J	712
MW-22	6/6/2013	33.18	--	--	21.9	2.6	70	< 0.500 U	< 0.500 U	< 0.500 U	88	< 1.00 U	1,760	199	< 0.500 U	< 0.500 U	1.86	< 0.500 U	550	1,004	1,600
MW-22	9/25/2013	33.18	--	--	7.88	< 0.500 U	168	< 0.500 U	< 0.500 U	< 0.500 U	104	< 1.00 U	25	256	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	25	1,911	45.6

Table 2
Historical Groundwater Analytical Results – Indicator Hazardous Substances
Five-Year Review Report
Univar Solutions Facility
8201 South 212th Street
Kent, Washington

Sample Location	Sample Date	TOC	DTW	GWE	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dichloroethane	1,2-Dichloropropane	Benzene	Chloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	Methylene Chloride	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Toluene	Total Xylenes	Vinyl Chloride
MTCA Method B CULs					7.7	7	80	0.48	1.20	0.80	--	1.40	16	700	5	5	200	0.54	640	1,600	0.50
MTCA CUL Rationale					Method B Cancer	Federal MCL	Method B Noncancer	Method B Cancer	Method B Cancer	Method B Cancer	No CUL	Method B Cancer	Method B Cancer	Federal MCL	Federal MCL	Federal MCL	Federal MCL	Method B Cancer	Method B Noncancer	Method B Noncancer	See Notes
MW-22	3/26/2014	33.18	--	--	**9.71**	0.789	**105**	**< 0.500 U**	< 0.500 U	< 0.500 U	113	< 1.00 U	**426**	121	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	55	1,207	**422**
MW-22	9/24/2014	33.18	--	--	3.14	< 0.500 U	**121**	**< 0.500 U**	< 0.500 U	< 0.500 U	45.1	< 1.00 U	< 0.500 U	48.3	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	2.9	1,423	< 0.200 U
MW-22	09/24/14 (DUP)	33.18	--	--	3.19	< 0.500 U	**142**	**< 0.500 U**	< 0.500 U	< 0.500 U	60	< 1.00 U	< 0.500 U	43.7	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	2.56	1,284	0.345
MW-22	3/17/2015	33.18	--	--	7.5 J	**< 25 U**	68	**< 13 U**	**< 13 U**	**< 13 U**	22.7 J	**< 25 U**	**1,100**	40.5	**< 130 U**	**< 13 U**	< 25 U	**< 25 U**	81	--	**535**
MW-22	9/15/2015	33.18	--	--	1.9 J	< 2.0 UJ	36.0 J	**< 1.0 UJ**	< 1.0 UJ	**< 1.0 UJ**	18.9 J	**< 2.0 UJ**	**64.1 J**	6.6 J	**< 10 U**	< 1.0 UJ	< 2.0 UJ	**< 2.0 UJ**	11.4 J	--	**86.1 J**
MW-22	3/16/2016	33.18	--	--	2.9	0.48 J	**143**	**< 0.50 U**	< 0.50 U	0.34 J	76	< 1.0 U	**270**	61	**< 5.0 U**	< 0.50 U	< 1.0 U	**< 1.0 U**	32.7	--	**144**
MW-22	9/15/2016	33.18	--	--	1.2	< 1.0 U	80	**< 0.50 U**	< 0.50 U	0.6	92	< 1.0 U	7.2	11.4	**< 5.0 U**	< 0.50 U	< 1.0 U	**< 1.0 U**	2.4	--	**10.3**
MW-22	3/7/2017	33.18	--	--	0.64 J	< 2.5 U	27.9	**< 2.5 U**	**< 2.5 U**	**< 2.5 U**	92	**< 2.5 U**	< 2.5 U	5	**6.80 J**	< 2.5 U	< 2.5 U	**< 2.5 U**	< 2.5 U	--	**< 2.5 U**
MW-22	9/20/2017	33.18	--	--	1.2	< 0.13 U	**81**	0.24 J	< 0.13 U	0.75	91	< 0.13 U	0.31 J	7.4	< 2.0 U	< 0.13 U	< 0.13 U	< 0.13 U	0.8	262	0.43 J
MW-22	3/21/2018	33.18	--	--	0.72 J-	< 0.50 UJ	58.4 J-	**< 0.50 UJ**	< 0.50 UJ	0.57 J-	89.8 J-	< 0.50 UJ	0.16 J-	8.5 J-	< 2.0 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	0.59 J-	--	0.39 J-
MW-22	9/11/2018	33.18	--	--	0.61 J-	< 0.50 UJ	42.0 J-	0.17 J-	< 0.50 UJ	0.56 J-	67.4 J-	0.32 J-	0.83 J-	1.8 J-	< 2.0 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	0.50 J-	--	1.7 J-
MW-22	5/31/2019	33.18	--	--	0.57 J-	0.24 J-	22.2 J-	0.18 J-	< 0.50 UJ	0.58 J-	44.7 J-	0.30 J-	**60.0 J-**	1.5 J-	< 2.0 UJ	< 0.50 UJ	< 0.50 UJ	3.3 J-	1.1 J-	16.77 J-	**23.5 J-**
MW-22	8/28/2019	33.18	--	--	0.58 J	< 1.3 U	6.6	**< 1.3 U**	**< 1.3 U**	0.52 J	33	< 1.3 U	**92**	0.59 J	**< 5.0 U**	< 1.3 U	< 1.3 U	**< 1.3 U**	1.5	4.85	**32.2**
MW-22	5/14/2020	33.13	--	--	0.2 J	< 0.50 U	1.1	0.17 J	< 0.50 U	0.58	90.7 J -	0.43 J	0.16 J	0.84	< 2.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	5.04	0.55
MW-22	9/25/2020	33.13	--	--	< 0.50 U	< 0.50 U	0.45 J	0.14 J	< 0.50 U	0.69	41.1 J +	0.23 J	0.43 J	0.43 J	< 2.0 U	< 0.50 U	< 0.50 U	< 0.50 U	0.41 J	3.98	0.71
MW-22	6/23/2022	33.13	--	--	< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	55	< 0.25 U	1.7	0.47 J	**7.30 B**	< 0.25 U	< 0.25 U	< 0.25 U	1.7	1.725	0.43 J
			--	--																	
MW-23	9/13/2006	32.78	--	--	0.36 J	< 0.13 U	< 0.15 U	< 0.12 U	< 0.14 U	< 0.14 U	< 0.23 U	< 0.14 U	0.96	< 0.13 U	< 0.20 U	0.28 J	< 0.12 U	< 0.14 U	< 0.11 U	< 0.22 U	0.090 J
MW-23	4/4/2007	32.78	--	--	0.14 J	< 0.13 U	< 0.15 U	< 0.12 U	0.21 J	< 0.14 U	< 0.23 U	< 0.14 U	3.2	< 0.13 U	< 0.20 U	1.8	< 0.12 U	0.22 J	< 0.11 U	< 0.22 U	0.090 J
MW-23	9/25/2007	32.78	--	--	0.25 J	< 0.13 U	< 0.15 U	< 0.12 U	0.14 J	< 0.14 U	< 0.23 U	< 0.14 U	2.4	< 0.13 U	< 0.20 U	1.7	< 0.12 U	0.17 J	< 0.11 U	< 0.22 U	0.13 J
MW-23	9/25/2007	32.78	--	--	0.26 J	< 0.13 U	< 0.15 U	< 0.12 U	< 0.14 U	< 0.14 U	< 0.23 U	< 0.14 U	2.1	< 0.13 U	< 0.20 U	1.9	< 0.12 U	0.17 J	< 0.11 U	< 0.22 U	0.12 J
MW-23	5/1/2008	32.78	--	--	0.18 J	0.18 J	< 0.04 U	< 0.07 U	0.12 J	< 0.05 U	< 0.13 U	< 0.04 U	3.2	< 0.04 U	< 0.23 U	1.9	< 0.12 U	0.25 J	0.07 J	< 0.12 U	0.08 J
MW-23	10/1/2008	32.78	--	--	0.26 J	< 0.1 U	< 0.037 U	**< 0.073 U**	< 0.042 U	< 0.045 U	< 0.13 U	< 0.042 U	1.7	< 0.042 U	< 0.23 U	3.3	< 0.05 U	< 0.23 J	0.17 JB	< 0.078 U	0.10 J
MW-23	3/24/2009	32.78	--	--	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	0.9	< 0.50 U	< 0.50 U	1.2	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	1
MW-23	9/29/2009	32.78	--	--	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	1.1	< 0.50 U	< 0.50 U	2.2	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	0.20 J
MW-23	4/1/2010	32.78	--	--	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	0.5	< 0.50 U	< 0.50 U	2.9	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.20 U
MW-23	9/28/2010	32.78	--	--	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	0.63	< 0.50 U	< 0.50 U	1.17	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.20 UJ
MW-23	3/2/2011	32.78	--	--	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	0.68	< 1.0 U	5.73	0.73	< 0.50 U	1.76	< 0.50 U	< 0.50 U	2.32	3.43	< 0.20 U
MW-23	6/22/2011	32.78	--	--	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	< 0.50 U	3.16	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.20 U
MW-23	9/23/2011	32.78	--	--	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	< 0.50 U	2.16	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.20 U
MW-23	12/7/2011	32.78	--	--	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	< 0.50 U	3.56	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.20 U
MW-23	3/7/2012	32.78	--	--	< 0.500 U	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 1.00 U	< 0.500 U	< 0.500 U	< 0.500 U	2.04	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.200 U
MW-23	6/26/2012	32.78	--	--	< 0.500 U	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 1.00 U	< 0.500 U	< 0.500 U	< 0.500 U	4.86	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.200 U
MW-23	9/27/2012	32.78	--	--	< 0.500 U	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 1.00 U	< 0.500 U	< 0.500 U	< 0.500 U	2.64	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.200 U
MW-23	12/19/2012	32.78	--	--	< 0.500 U	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 1.00 U	< 0.500 U	< 0.500 U	< 0.500 U	1.83	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.200 U
MW-23	3/5/2013	32.78	--	--	< 0.500 U	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 1.00 U	1.42	1.08	< 0.500 U	1.85	< 0.500 U	**1.03**	0.65	1.68	< 0.200 U
MW-23	6/6/2013	32.78	--	--	< 0.500 U	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 1.00 U	< 0.500 U	< 0.500 U	< 0.500 U	**5.46**	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.200 U
MW-23	9/24/2013	32.78	--	--	< 0.500 U	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 1.00 U	1.26	< 0.500 U	< 0.500 U	2.17	< 0.500 U	< 0.500 U	< 0.500 U	0.92	< 0.200 U

Table 2
Historical Groundwater Analytical Results – Indicator Hazardous Substances
Five-Year Review Report
Univar Solutions Facility
8201 South 212th Street
Kent, Washington

Sample Location	Sample Date	TOC	DTW	GWE	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dichloroethane	1,2-Dichloropropane	Benzene	Chloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	Methylene Chloride	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Toluene	Total Xylenes	Vinyl Chloride
MTCA Method B CULs					7.7	7	80	0.48	1.20	0.80	--	1.40	16	700	5	5	200	0.54	640	1,600	0.50
MTCA CUL Rationale					Method B Cancer	Federal MCL	Method B Noncancer	Method B Cancer	Method B Cancer	Method B Cancer	No CUL	Method B Cancer	Method B Cancer	Federal MCL	Federal MCL	Federal MCL	Federal MCL	Method B Cancer	Method B Noncancer	Method B Noncancer	See Notes
MW-23	3/26/2014	32.78	--	--	< 0.500 U	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 1.00 U	< 0.500 U	< 0.500 U	< 0.500 U	**7.36**	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.200 U
MW-23	9/25/2014	32.78	--	--	< 0.500 U	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 1.00 U	< 0.500 U	< 0.500 U	< 0.500 U	3.32	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.200 U
MW-23	09/25/14 (DUP)	32.78	--	--	< 0.500 U	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 1.00 U	< 0.500 U	< 0.500 U	< 0.500 U	3.23	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.200 U
MW-23	3/18/2015	32.78	--	--	< 1.0 U	< 1.0 U	< 2.0 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	**6.4**	< 1.0 U	0.33 J	< 1.0 U	--	< 0.50 U
MW-23	9/14/2015	32.78	--	--	< 1.0 U	< 1.0 U	< 2.0 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	**5.1**	< 1.0 U	0.27 J	< 1.0 U	--	< 0.50 U
MW-23	3/15/2016	32.78	--	--	< 1.0 U	< 1.0 U	< 2.0 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	4.5	< 1.0 U	**< 1.0 U**	< 1.0 U	--	< 0.50 U
MW-23	9/14/2016	32.78	--	--	< 1.0 U	< 1.0 U	< 2.0 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	4.7	< 1.0 U	0.36 J	< 1.0 U	--	< 0.50 U
MW-23	3/8/2017	32.78	--	--	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 2.0 U	**6.9**	< 0.50 U	0.32 J	< 0.50 U	--	< 0.50 U
MW-23	9/19/2017	32.78	--	--	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.20 U	< 0.13 U	0.49 J	< 0.13 U	< 2.0 U	2.5	< 0.13 U	0.30 J	< 0.13 U	--	0.41 J
MW-23	3/21/2018	32.78	--	--	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	**< 0.50 UJ**	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	0.22 J-	< 0.50 UJ	< 2.0 UJ	**5.9 J-**	< 0.50 UJ	0.45 J-	< 0.50 UJ	--	< 0.50 UJ
MW-23	9/12/2018	32.78	--	--	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	0.17 J	< 0.50 U	< 2.0 U	4.3	< 0.50 U	0.37 J	< 0.50 U	--	< 0.50 U
MW-23	5/31/2019	32.78	--	--	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	0.15 J	< 0.50 U	< 2.0 U	**11.3**	< 0.50 U	**1**	< 0.50 U	< 1.0 U	< 0.50 U
MW-23	8/26/2019	32.78	--	--	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	0.22 J	< 0.50 U	< 2.0 U	**7.9**	< 0.50 U	**0.89**	< 0.50 U	< 1.0 U	0.13 J
MW-23	5/13/2020	32.78	--	--	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	0.25 J	< 0.50 U	< 2.0 U	**8.1**	< 0.50 U	**0.63**	< 0.50 U	< 1.0 U	0.55
MW-23	9/24/2020	32.7	--	--	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	0.56	< 0.50 U	< 2.0 U	4.7	< 0.50 U	**0.56**	< 0.50 U	< 1.0 U	0.65
MW-23	9/24/2020	32.7	--	--	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	0.55	< 0.50 U	< 2.0 U	**5.1**	< 0.50 U	**0.6**	< 0.50 U	< 1.0 U	0.62
MW-23	6/23/2022	32.7	--	--	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.20 U	< 0.13 U	1.8	< 0.13 U	1.70 JB	**9.6**	< 0.13 U	**0.92**	< 0.13 U	< 0.13 U	**2.3**
			--	--																	
MW-24	5/30/2019	32.74	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-24	8/29/2019	32.74	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-24	3/26/2010	32.74	--	--	**540**	**17**	**230**	**< 0.5 U**	< 0.5 U	0.9	160	**4.5**	**4,100**	**1,900**	< 0.5 U	< 0.5 U	**680**	**160**	**4,800**	**3,600**	**1,200**
MW-24	4/16/2010	32.74	--	--	**260**	**< 10 U**	18	**< 10 U**	**< 10 U**	**< 10 U**	1,100	**< 20 U**	**80**	**1,300**	**< 10 U**	**< 10 U**	< 10 U	**< 5.0 U**	**3,800**	**3,300**	**320**
MW-24	5/6/2010	32.74	--	--	**820**	< 5.0 U	72	**< 10 U**	**< 10 U**	**< 10 U**	900	**< 20 U**	**930**	**1,800**	**< 10 U**	**< 5.0 U**	< 10 U	**< 5.0 U**	**6,200**	**4,000**	**1,900**
MW-24	05/06/10 (LAB DUP)	32.74	--	--	**850**	< 5.0 U	71	**< 10 U**	**< 10 U**	**< 10 U**	970	**< 20 U**	**980**	**1,800**	**< 10 U**	**< 5.0 U**	< 10 U	**< 5.0 U**	**6,800**	**4,400**	**2,000**
MW-24	6/9/2010	32.74	--	--	**1,300**	**22**	**130**	**< 10 U**	**< 10 U**	**< 10 U**	89	**< 20 U**	**2,200**	**1,600**	**< 10 U**	2.2 J	97	**5.2**	**5,900**	**3,600**	**3,400**
MW-24	7/6/2010	32.74	--	--	**940**	**14**	**180**	**< 10 U**	**< 10 U**	**< 10 U**	1,200	**< 20 U**	**2,100**	**1200 J**	**< 10 U**	**< 5.0 U**	120	**< 5.0 U**	**7,300**	**2,900**	**4,200**
MW-24	7/6/10 (DUP)	32.74	--	--	**1,100**	**14**	**140**	**< 10 U**	**< 10 U**	**< 10 U**	1,100	**< 20 U**	**2,400**	**830 J**	**< 10 U**	**< 5.0 U**	130	**< 5.0 U**	**6,600**	**2,300**	**3,400**
MW-24	5/13/2020	32.66	--	--	**216**	**< 50 U**	**359**	**< 50 U**	**< 50 U**	**< 50 U**	177	**< 50 U**	**1060**	**2300**	**< 200 U**	**< 50 U**	29.6 J	**< 50 U**	**1,070**	**6,719**	**1,460**
MW-24	9/22/2020	32.66	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-24	6/23/2022	32.66	--	--	**55**	**< 6.30 U**	**545**	**< 6.30 U**	**< 6.30 U**	**< 6.30 U**	221	**< 6.30 U**	< 6.30 U	**2,400**	**163.00 B**	**< 6.30 U**	< 6.30 U	**< 6.30 U**	**1,440**	**7220 E**	**< 6.30 U J**
			--	--																	
MW-25	3/29/2010	32.8	--	--	**25**	< 0.50 U	**160**	**0.9**	< 0.5 U	**1.9**	410	1.1	2.2	**940**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.40 U	**1,200**	1,600	**2.7**
MW-25	4/7/2010	32.8	--	--	**48**	< 10 U	**180**	**< 10 U**	**< 10 U**	**< 10 U**	730	**< 20 U**	< 10 U	**1,700**	**< 10 U**	**< 10 U**	< 10 U	**< 10 U**	**3,100**	**2,900**	**12**
MW-25	4/16/2010	32.8	--	--	**74**	< 10 U	**310**	**< 10 U**	**< 10 U**	**< 10 U**	1,900	**< 20 U**	< 10 U	**2,200**	**< 10 U**	**< 10 U**	< 10 U	**< 10 U**	**4,100**	**5,100**	**10**
MW-25	4/16/10 (LAB DUP)	32.8	--	--	**70**	< 10 U	**290**	**< 10 U**	**< 10 U**	**< 10 U**	1,800	**< 20 U**	< 10 U	**2,100**	**< 10 U**	**< 10 U**	< 10 U	**< 10 U**	**4,000**	**5,000**	**9.2**
MW-25	5/6/2010	32.8	--	--	**32**	< 5.0 U	**130**	**< 10 U**	**< 10 U**	**< 10 U**	1,100	**< 20 U**	< 5.0 U	**1,200**	**< 10 U**	**< 5.0 U**	< 10 U	**< 5.0 U**	**2,900**	**3,200**	**2**
MW-25	6/9/2010	32.8	--	--	**29**	< 5.0 U	**110**	**< 10 U**	**< 10 U**	**< 10 U**	820	**< 20 U**	< 5.0 U	680	**< 10 U**	**21**	< 10 U	**< 5.0 U**	**1,200**	**1,700**	**< 2.0 U**
MW-25	7/6/2010	32.8	--	--	**25**	< 0.50 U	79	**< 0.50 U**	< 0.50 U	< 0.50 U	640	< 1.0 U	< 0.50 U	480	< 0.50 U	2.9	< 0.50 U	< 0.50 U	**800**	980	**4**

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Sample Location	Sample Date	TOC	DTW	GWE	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dichloroethane	1,2-Dichloropropane	Benzene	Chloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	Methylene Chloride	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Toluene	Total Xylenes	Vinyl Chloride
MTCA Method B CULs					**7.7**	**7**	**80**	**0.48**	**1.20**	**0.80**	**--**	**1.40**	**16**	**700**	**5**	**5**	**200**	**0.54**	**640**	**1,600**	**0.50**
MTCA CUL Rationale					**Method B Cancer**	**Federal MCL**	**Method B Noncancer**	**Method B Cancer**	**Method B Cancer**	**Method B Cancer**	**No CUL**	**Method B Cancer**	**Method B Cancer**	**Federal MCL**	**Federal MCL**	**Federal MCL**	**Federal MCL**	**Method B Cancer**	**Method B Noncancer**	**Method B Noncancer**	**See Notes**
MW-25	5/30/2019	32.8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-25	8/29/2019	32.8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-25	5/14/2020	32.71	--	--	0.15 J	< 0.50 U	38.4	0.19 J	< 0.50 U	0.51	149 J -	0.29 J	0.22 J	4	< 2.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	67.29 J	**0.58**
MW-25	9/22/2020	32.71	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-25	6/23/2022	32.71	--	--	< 0.13 U	< 0.13 U	32.9	< 0.13 U	< 0.13 U	0.48 J	94	< 0.13 U	< 0.13 U	1.4	2.00 B	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	12.365	1.30 J
			--	--																	
MW-27	9/24/2014	32.98	--	--	0.569	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 1.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.200 U
MW-27	3/18/2015	32.98	--	--	0.33 J	< 1.0 U	< 2.0 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 1.0 U	< 1.0 U	0.43 J	< 1.0 U	< 5.0 U	< 0.50 U	< 1.0 U	**< 1.0 U**	0.45 J	--	< 0.50 U
MW-27	9/16/2015	32.98	--	--	0.46 J	< 1.0 U	< 2.0 U	**< 0.50 U**	< 0.50 U	0.43 J	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	< 0.50 U	< 1.0 U	**< 1.0 U**	< 1.0 U	--	< 0.50 U
MW-27	3/15/2016	32.98	--	--	0.35 J	< 1.0 U	< 2.0 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 1.0 U	< 1.0 U	0.38 J	< 1.0 U	< 5.0 U	< 0.50 U	< 1.0 U	**< 1.0 U**	< 1.0 U	--	< 0.50 U
MW-27	9/15/2016	32.98	--	--	0.45 J	< 1.0 U	< 2.0 U	**< 0.50 U**	< 0.50 U	0.34 J	< 1.0 U	< 1.0 U	0.40 J	< 1.0 U	< 5.0 U	< 0.50 U	< 1.0 U	**< 1.0 U**	< 1.0 U	--	< 0.50 U
MW-27	3/8/2017	32.98	--	--	0.32 J	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	0.15 J	< 0.50 U	< 0.50 U	0.30 J	< 0.50 U	< 2.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	--	< 0.50 U
MW-27	9/18/2017	32.98	--	--	0.52	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	0.30 J	< 0.20 U	< 0.13 U	0.42 J	< 0.13 U	< 2.0 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	--	0.21 J
MW-27	3/20/2018	32.98	5.73	26.72	0.37 J-	< 0.50 UJ	< 0.50 UJ	**< 0.50 UJ**	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	0.41 J-	< 0.50 UJ	< 2.0 U	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	--	0.18 J-
MW-27	9/12/2018	32.98	7.41	25.83	0.39 J	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	0.18 J	< 0.50 U	< 0.50 U	0.32 J	< 0.50 U	< 2.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	--	0.24 J
MW-27	6/3/2019	32.98	6.26	27.18	0.38 J	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	0.17 J	< 0.50 U	< 0.50 U	0.39 J	< 0.50 U	< 2.0 U	< 0.50 U	< 0.50 U	< 0.50 U	0.63	< 1.0 U	**0.62**
MW-27	8/28/2019	32.98	7.15	26.98	0.42 J	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	0.20 J	< 0.50 U	< 0.50 U	0.24 J	< 0.50 U	< 2.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	0.30 J
MW-27	5/14/2020	32.96	5.80	27.01	0.34 J	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	0.44 J	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	**< 2.0 U**	< 2.0 U	< 1.0 U	**0.91**
MW-27	9/24/2020	32.96	6.00	32.96	0.26	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	0.28 J	< 0.50 U	< 2.0 U	< 2.0 U	< 2.0 U	**< 2.0 U**	< 2.0 U	< 1.0 U	< 0.50 U
MW-27	6/23/2022	32.96	5.95	23.94	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-28	9/25/2014	34.63	9.02	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	**< 0.500 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 1.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.200 U
MW-28	3/19/2015	34.63	7.03	27.60	< 1.0 U	< 1.0 U	< 2.0 U	**< 0.50 U**	< 0.50 U	< 0.50 U	0.60 J	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	< 0.50 U	< 1.0 U	**< 1.0 U**	0.56 J	--	< 0.50 U
MW-28	9/17/2015	34.63	9.25	25.38	< 5.0 U	< 5.0 U	< 10 U	**< 2.5 U**	**< 2.5 U**	**< 2.5 U**	2.6 J	< 5.0 U	< 5.0 U	< 5.0 U	**< 25.0 U**	< 2.5 U	< 5.0 U	**< 5.0 U**	< 5.0 U	--	**< 2.5 U**
MW-28	3/16/2016	34.63	6.60	28.03	< 5.0 U	< 5.0 U	< 10 U	**< 2.5 U**	**< 2.5 U**	**< 2.5 U**	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	**< 25.0 U**	< 2.5 U	< 5.0 U	**< 5.0 U**	< 5.0 U	--	**< 2.5 U**
MW-28	9/15/2016	34.63	9.10	25.53	< 5.0 U	< 5.0 U	< 10 U	**< 2.5 U**	**< 2.5 U**	**< 2.5 U**	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	**< 25.0 U**	< 2.5 U	< 5.0 U	**< 5.0 U**	< 5.0 U	--	**< 2.5 U**
MW-28	3/9/2017	34.63	6.87	27.76	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	**< 0.50 UJ**	< 0.50 UJ	0.13 J	0.24 J	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 2.0 U	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	--	< 0.50 UJ
MW-28	9/18/2017	34.63	8.99	25.64	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	0.20 J	< 0.20 U	< 0.13 U	0.14 J	< 0.13 U	< 2.0 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	--	< 0.13 U
MW-28	3/19/2018	34.63	6.17	28.46	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	**< 0.50 UJ**	< 0.50 UJ	< 0.50 UJ	0.31 J-	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 2.0 U	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	--	< 0.50 UJ
MW-28	9/12/2018	34.63	10.75	23.88	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	0.15 J	0.20 J	< 0.50 U	< 0.50 U	< 0.50 U	< 2.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	--	< 0.50 U
MW-28	6/3/2019	34.63	7.90	26.73	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	0.14 J	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 2.0 U	< 0.50 U	< 0.50 U	< 0.50 U	0.62	< 1.0 U	< 0.50 U
MW-28	8/28/2019	34.63	8.80	25.83	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 2.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	< 0.50 U
MW-28	5/14/2020	34.54	8.10	26.44	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	0.13 J	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 2.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	< 0.50 U
MW-28	9/24/2020	34.54	6.80	27.74	< 0.50 U	< 0.50 U	< 0.50 U	**< 0.50 U**	< 0.50 U	0.14 J	0.25 J	< 0.50 U	< 0.50 U	< 0.50 U	< 2.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1.0 U	< 0.50 U
MW-28	6/23/2022	34.54	7.69	26.85	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-29D	8/30/2019	30.83	6.36	24.47	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-29D	5/14/2020	30.42	4.80	25.62	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 2
Historical Groundwater Analytical Results – Indicator Hazardous Substances
Five-Year Review Report
Univar Solutions Facility
8201 South 212th Street
Kent, Washington

Sample Location	Sample Date	TOC	DTW	GWE	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dichloroethane	1,2-Dichloropropane	Benzene	Chloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	Methylene Chloride	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Toluene	Total Xylenes	Vinyl Chloride
MTCA Method B CULs					7.7	7	80	0.48	1.20	0.80	--	1.40	16	700	5	5	200	0.54	640	1,600	0.50
MTCA CUL Rationale					Method B Cancer	Federal MCL	Method B Noncancer	Method B Cancer	Method B Cancer	Method B Cancer	No CUL	Method B Cancer	Method B Cancer	Federal MCL	Federal MCL	Federal MCL	Federal MCL	Method B Cancer	Method B Noncancer	Method B Noncancer	See Notes
MW-29D	9/24/2020	30.42	6.20	24.22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-29D	6/23/2022	30.42	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
P-01	9/24/2004	33.54	6.23	27.31	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
P-01	5/30/2019	33.62	6.65	26.97	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
P-01	8/29/2019	33.62	7.56	26.06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
P-01	5/14/2020	33.54	6.23	27.31	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
P-01	9/22/2020	33.54	7.20	26.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Notes:

1. Analytical results are presented in micrograms per liter (µg/L).
2. **Bold** and shaded values are greater than their respective MTCA CUL.
3. **Bold** values are nondetect, but the method detection limit or reporting limit is greater than the CUL.
4. MTCA CULs adapted from the Revised Remedial Investigation, Focused Feasibility Study Addendum, and Draft Cleanup Action Plan (PES Environmental, Inc. 2009) or the 2020 Annual Groundwater Monitoring Report (ERM-West, Inc. 2021).
5. The MTCA Method B CUL for vinyl chloride is 0.29 µg/L, which is less than the laboratory reporting limit. The CUL has been modified in accordance with WAC 173-340-705 and WAC 173-340-707.
6. Volatile organic compounds analyzed by United States Environmental Protection Agency Method 8260.

Acronyms and Abbreviations:

-- = not applicable, not available, or not analyzed
< 0.13 U = not detected at or greater than the laboratory reporting limit
CUL = cleanup level
DTW = depth to water in feet below top of casing
GWE = groundwater elevation, in feet above North American Vertical Datum of 1988
MCL = maximum contaminant level
MTCA = Model Toxics Control Act
TOC = top of casing in feet above North American Vertical Datum of 1988
WAC = Washington Administrative Code

Qualifiers:

B = The same analyte is found in the associated blank.
c = sample re-analyzed beyond hold time. Insufficient dsample available for re-analysis
e = Result is from Run #2
EB = value exceeds calibration range and analyte found in associated method blank
EJ = value exceeds calibration range and is an estimated value
J, J+, J- = The identification of the analyte is acceptable; the reported value is an estimate.
JB = Analyte found in associated method blank and is an estimated value

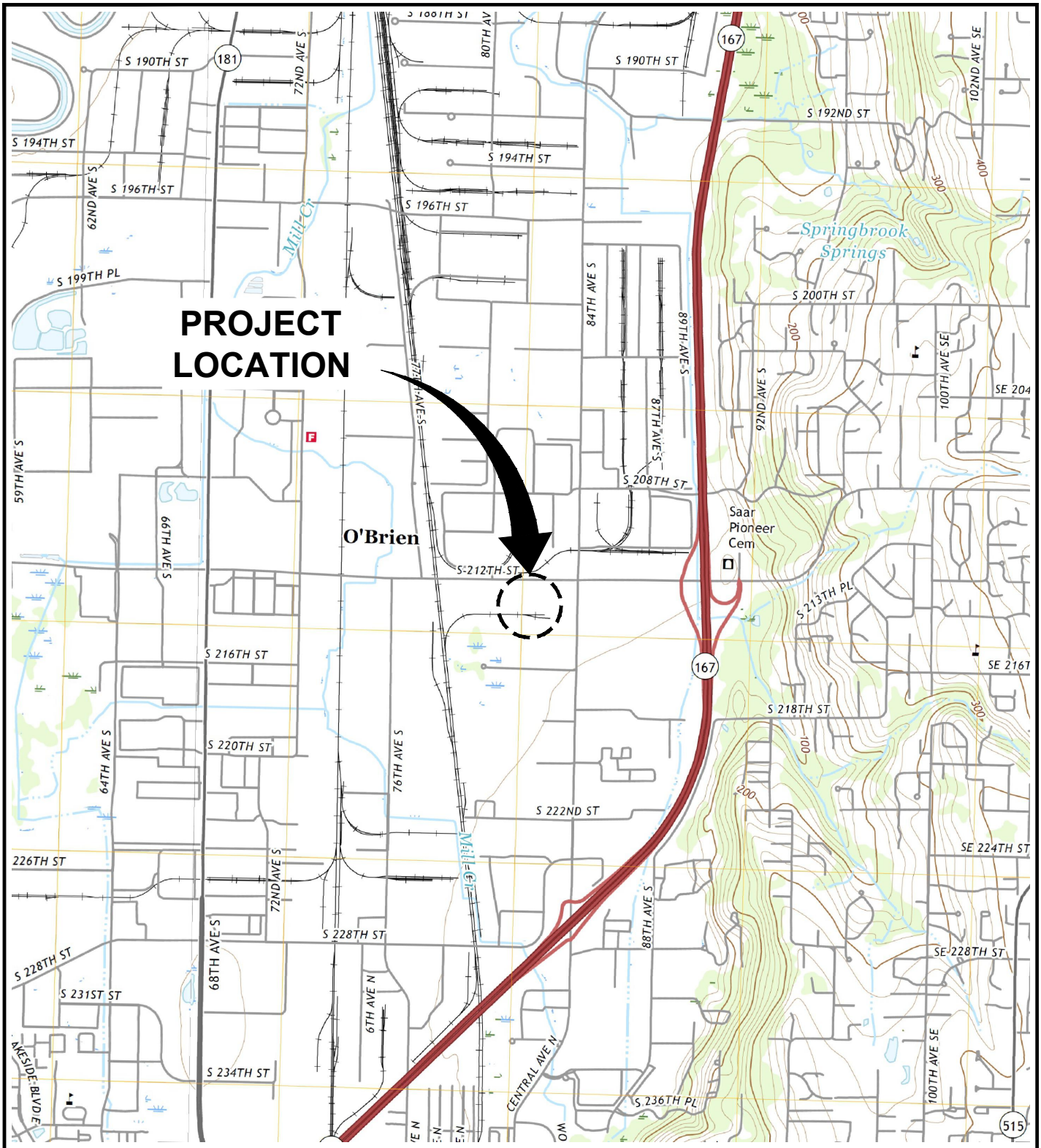
References:

Table 2
Historical Groundwater Analytical Results – Indicator Hazardous Substances
Five-Year Review Report
Univar Solutions Facility
8201 South 212th Street
Kent, Washington

Sample Location	Sample Date	TOC	DTW	GWE	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dichloroethane	1,2-Dichloropropane	Benzene	Chloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	Methylene Chloride	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Toluene	Total Xylenes	Vinyl Chloride
MTCA Method B CULs					7.7	7	80	0.48	1.20	0.80	--	1.40	16	700	5	5	200	0.54	640	1,600	0.50
MTCA CUL Rationale					Method B Cancer	Federal MCL	Method B Noncancer	Method B Cancer	Method B Cancer	Method B Cancer	No CUL	Method B Cancer	Method B Cancer	Federal MCL	Federal MCL	Federal MCL	Federal MCL	Method B Cancer	Method B Noncancer	Method B Noncancer	See Notes

ERM-West, Inc. 2021. 2020 Annual Groundwater Monitoring Report. March 6.
PES Environmental, Inc. 2009. Revised Remedial Investigation, Focused Feasibility Study Addendum, and Draft Cleanup Action Plan. Univar USA, Inc., Kent, Washington. March 13.

Figures



REFERENCE: BASE MAP USGS 7.5. MIN. TOPO. QUAD., RENTON AND DES MOINES, WASHINGTON, 2020.

0 2,000' 4,000'

Approximate Scale: 1 in. = 2,000 ft.

WASHINGTON

UNIVAR SOLUTIONS USA INC.
8201 S. 212TH STREET
KENT, WASHINGTON

SITE LOCATION MAP

ARCADIS

FIGURE 1

C:\Users\jharris\ACCDocs\Arcadis\AUS-UNIVAR-212TH ST-KENT Washington\Project Files\2022\01-In Progress\01-DWG\GEN-F01-SLM.dwg LAYOUT: 1 SAVED: 12/16/2022 1:41 PM ACADVER: 24.2S (LMS TECH) PAGESETUP: --- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 12/16/2022 1:42 PM BY: HARRIS, JESS

XREFS: IMAGES:
Arcadis Logo_2021.PNG
WA_Des_Moines_20200303.jpg
WA_Renton_20200303.jpg

LEGEND:

APPROXIMATE PROPERTY BOUNDARY

OFFSITE PARCEL BOUNDARY

1 = **CLEANUP STATUS: CLEANUP STARTED - CSID: 6087**
KENT AZIZ CHEVRON 8315 S. 212TH STREET, KENT WASHINGTON, 98032

2 = **CLEANUP STATUS: NO FURTHER ACTION - CSID: 8035**
ARCO 5219 21214 84TH STREET, KENT WASHINGTON, 98032

3 = **CLEANUP STATUS: NO FURTHER ACTION - CSID: 1388**
OLYMPIC STEAMSHIP CO. INC. 8220 S. 212TH STREET, KENT WASHINGTON, 98032

NOTES:

1. AERIAL IMAGE: © 2022 MICROSOFT CORPORATION © 2022 MAXAR © CNES (2022) DISTRIBUTION AIRBUS DS.
2. PARCEL BOUNDARIES DOWNLOADED FROM KING COUNTY GIS OPEN DATA PORTAL: www.gis-kingcounty.opendata.arcgis.com
3. CSID = CLEANUP SITE IDENTIFICATION.

0 200' 400'

GRAPHIC SCALE

UNIVAR SOLUTIONS USA INC.
8201 S. 212TH STREET
KENT, WASHINGTON

SITE VICINITY MAP

ARCADIS

FIGURE
2

SOUTH 212TH STREET

LANDSCAPED AREA

PARKING AREA

OFFICE

FORKLIFT RAMP (UNCOVERED)

ROOF

ROOF (OVER DOCK)

OUTSIDE STORAGE (COVERED)

DOCK

PUGET SOUND ENERGY (PARKING LOT)

WAREHOUSE BUILDING

FLAMMABLE STORAGE

RAMP

BARREL WASH PIT

SUMP

TANK FARM

TRUCK SCALE

TANK FARM

DRUM SHED

TANK FARM

6" PVC DISCHARGE LINE

HYDROGEN PEROXIDE STORAGE

CHEVRON (GAS STATION AND CAR WASH)

AUTOMATIC TRANSMISSION SPECIALISTS (REPAIR SHOP)

FT CROWE & COMPANY (CONSTRUCTION MATERIALS WAREHOUSE)

KEN'S EAST VALLEY AUTO REBUILD (REPAIR SHOP)

HI-STRENGTH BOLT COMPANY (CONSTRUCTION FASTENERS WAREHOUSE)

WEST VALLEY HIGHWAY (84TH AVENUE SOUTH)

UNIVAR (EASEMENT)

BENAROYA COMPANIES (INDUSTRIAL WAREHOUSE)

SPAN-ALASKA CONSOLIDATORS (FREIGHT WAREHOUSE AND TRAILER PARKING)

WILLIG FREIGHT LINES (FREIGHT WAREHOUSE AND TRAILER PARKING)

LEGEND:

- Former UST Locations are from Van Waters & Rogers Division Dwg. No. D-1240-1, May 14, 1985
- Approximate Property Boundary
- Stormwater Discharge Line
- Water Line
- Concrete Sanitary Sewer Line
- Stormwater Discharge Line with flow direction
- Catch Basin
- Catch Basin With Surface Shutoff Valve
- Shutoff Valve
- Electronic Shutoff Valve and Vault

0 80' 160'

GRAPHIC SCALE

Figure adopted from a site plan provided by Van Waters & Rogers Inc.

NOTES:

1. FIGURE PROVIDED BY PES ENVIRONMENTAL, INC. TITLED "SITE PLAN" DATED OCTOBER 2011.
2. ALL FEATURES AND LOCATIONS ARE APPROXIMATE.

UNIVAR SOLUTIONS USA INC.
8201 S. 212TH STREET
KENT, WASHINGTON

SITE PLAN SHOWING CURRENT AND HISTORICAL FEATURES

ARCADIS

FIGURE 3A

MW-29

~1275 ft to MW-28

MW-29 LOCATION

MW-20

MW-27

SOUTH 212TH STREET

MW-28

MW-19

OFFICE

MW-3

MW-17

MW-18

MW-10

MW-23

MW-7

P-1

MW-8

MW-5

MW-12

MW-9

MW-11

CHEVRON STATION

COMMERCIAL

PARCEL 1222049053

WAREHOUSE BUILDING

MW-16

MW-22

MW-4

MW-13

MW-25

MW-14

MW-6

MW-21

MW-1

MW-24

COMMERCIAL

MW-15

COMMERCIAL

MW-2

EAST VALLEY HIGHWAY (84TH AVENUE SOUTH)

LEGEND:

- APPROXIMATE PROPERTY BOUNDARY
- MW-1 SHALLOW GROUNDWATER MONITORING WELL
- MW-16 DEEP GROUNDWATER MONITORING WELL
- P-1 PIEZOMETER
- MW-15 ABANDONED MONITORING WELL

NOTES:

1. WELL LOCATIONS PROVIDED BY ERM.
2. PARCEL BOUNDARIES DOWNLOADED FROM KING COUNTY GIS OPEN DATA PORTAL: www.gis-kingcounty.opendata.arcgis.com
3. ALL FEATURES AND LOCATIONS ARE APPROXIMATE.

0 100' 200'

GRAPHIC SCALE

UNIVAR SOLUTIONS USA INC.
8201 S. 212TH STREET
KENT, WASHINGTON

SITE PLAN

ARCADIS

FIGURE **3B**

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XREFS:
IMAGES: PROJECTNAME: ----
Arcadis Logo_2021.PNG

MW-28
MW-19
GP-2
GP-1
GP-4
MW-3
GP-5
MW-17
MW-18
MW-10
MW-23
SB-35
MW-7
GP-3
SB-34
SB-33
SB-11
GP-12
SB-24
P-1
MW-8
SB-12
SB-23
SB-21
GP-11
SB-32
SB-25
GP-9
GP-7
MW-5
MW-11
SB-43
SB-22
MW-9
SB-20
SB-26
SB-27
MW-12
SB-19
GP-10
SB-13
SB-41
GP-6
SB-17
SB-42
MW-22
SB-28
SB-31
GP-8
MW-4
MW-16
SB-16
SB-14
MW-25
MW-13
SB-30
SB-29
MW-14
MW-6
SB-36
SB-40
MW-21
SB-8
MW-24
SB-15
SB-9
MW-1
SB-38
SB-37
MW-15
SB-39
SB-10
MW-2

PARCEL 1222049053

WAREHOUSE BUILDING

SB-18 IS APPROXIMATELY 380 FEET WEST FROM MW-16

CHEVRON STATION

COMMERCIAL

COMMERCIAL

COMMERCIAL

COMMERCIAL

LEGEND:

- APPROXIMATE PROPERTY BOUNDARY
- MW-1 SHALLOW GROUNDWATER MONITORING WELL
- MW-16 DEEP GROUNDWATER MONITORING WELL
- P-1 PIEZOMETER
- MW-15 ABANDONED MONITORING WELL
- SB-37 BORING LOCATION

NOTES:

1. WELL LOCATIONS PROVIDED BY ERM.
2. PARCEL BOUNDARIES DOWNLOADED FROM KING COUNTY GIS OPEN DATA PORTAL: www.gis-kingcounty.opendata.arcgis.com
3. ALL FEATURES AND LOCATIONS ARE APPROXIMATE.

0 60' 120'
GRAPHIC SCALE

UNIVAR SOLUTIONS USA INC.
8201 S. 212TH STREET
KENT, WASHINGTON

SITE PLAN WITH SOIL SAMPLE LOCATIONS

ARCADIS

FIGURE
4

SOUTH 212TH STREET

OFFICE

PARCEL 1222049073

WAREHOUSE BUILDING

CHEVRON STATION

COMMERCIAL

COMMERCIAL

COMMERCIAL

COMMERCIAL

EAST VALLEY HIGHWAY (84TH AVENUE SOUTH)

MW-3 (27.08)

MW-4 (27.42)

MW-1 (23.20)

MW-10 (27.16)

MW-23 (27.22)

MW-7 (27.21)

MW-8 (27.25)

MW-12 (27.09)

MW-5 (26.87)*

MW-9 (27.39)

MW-11 (32.79)*

MW-6 (27.74)

MW-15

MW-2 (27.60)

27.00

26.00

25.00

24.00

24.00

25.00

26.00

27.00

LEGEND:

- APPROXIMATE PROPERTY BOUNDARY
- MW-1 — SHALLOW GROUNDWATER MONITORING WELL
- MW-15 — ABANDONED MONITORING WELL
- (27.74) — GROUNDWATER ELEVATION IN FEET ABOVE NORTH AMERICAN VERTICAL DATUM 88
- 27.00 — GROUNDWATER ELEVATION CONTOUR DASHED WHERE INFERRED
- * — WELLS NOT USED FOR CONTOURING
- GROUNDWATER FLOW DIRECTION

NOTES:

1. WELL LOCATIONS PROVIDED BY ERM.
2. PARCEL BOUNDARIES DOWNLOADED FROM KING COUNTY GIS OPEN DATA PORTAL: www.gis-kingcounty.opendata.arcgis.com
3. ALL FEATURES AND LOCATIONS ARE APPROXIMATE.

0 100' 200'

GRAPHIC SCALE

UNIVAR SOLUTIONS USA INC.
8201 S. 212TH STREET
KENT, WASHINGTON

SHALLOW GROUNDWATER ELEVATION CONTOUR MAP - JUNE 23, 2022

ARCADIS

FIGURE 5

MW-29
(NG)

~1275 ft to MW-28

MW-29 LOCATION

MW-20
(25.98)

MW-27
(27.01)

SOUTH 212TH STREET

MW-28
(26.85)

MW-19
(27.05)

27.00

OFFICE

MW-17
(27.12)

MW-18
(27.16)

P-1
(27.25)

CHEVRON STATION

COMMERCIAL

COMMERCIAL

COMMERCIAL

COMMERCIAL

EAST VALLEY HIGHWAY (84TH AVENUE SOUTH)

PARCEL 1222049053

WAREHOUSE BUILDING

MW-22
(27.26)

MW-16
(27.22)

MW-25
(22.09)*

MW-13
(15.87)*

MW-14
(27.29)

27.00

26.00

MW-21
(24.36)*

MW-24
(26.27)

26.00

27.00

LEGEND:

- APPROXIMATE PROPERTY BOUNDARY
- MW-27 — DEEP GROUNDWATER MONITORING WELL
- P-1 — PIEZOMETER
- (27.29) — GROUNDWATER ELEVATION IN FEET ABOVE NORTH AMERICAN VERTICAL DATUM 88
- 27.00 — GROUNDWATER ELEVATION CONTOUR DASHED WHERE INFERRED
- * — WELLS NOT USED FOR CONTOURING
- (NG) — NOT GAUGED
- GROUNDWATER FLOW DIRECTION

NOTES:

1. WELL LOCATIONS PROVIDED BY ERM.
2. PARCEL BOUNDARIES DOWNLOADED FROM KING COUNTY GIS OPEN DATA PORTAL: www.gis-kingcounty.opendata.arcgis.com
3. ALL FEATURES AND LOCATIONS ARE APPROXIMATE.

0 100' 200'

GRAPHIC SCALE

UNIVAR SOLUTIONS USA INC.
8201 S. 212TH STREET
KENT, WASHINGTON

DEEP GROUNDWATER ELEVATION CONTOUR MAP- JUNE 23, 2022

ARCADIS

FIGURE 6

C:\Users\jlharris\ACCDocs\Arcadis\AUS-UNIVAR-212TH ST-KENT Washington\Project Files\2022\01-In Progress\01-DWG\SYR-F06-GWE DEEP.dwg LAYOUT: 6 SAVED: 12/16/2022 2:59 PM ACADVER: 24.2S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 12/16/2022 3:19 PM
BY: HARRIS, JESS
XREFS:
IMAGES: PROJECTNAME: ----
Arcadis Logo_2021.PNG

MW-3	
Date	6/23/2022
1,1-Dichloroethane	<0.13
1,1-Dichloroethylene	<0.13
1,2,4-Trimethylbenzene	<0.13
1,2-Dichloroethane	<0.13
1,2-Dichloropropane	<0.13
Benzene	0.23
Chloroethane	0.89
Chloroform	<0.13
Cis-1,2-Dichloroethylene	0.58
Ethylbenzene	<0.13
Methylene	1.70 JB
Tetrachloroethylene	<0.13
1,1,1-Trichloroethane	<0.13
Trichloroethylene	<0.13
Toluene	<0.13
Total Xylenes	<0.13
Vinyl Chloride	**0.71**

MW-10	
Date	6/23/2022
1,1-Dichloroethane	<0.13
1,1-Dichloroethylene	<0.13
1,2,4-Trimethylbenzene	<0.13
1,2-Dichloroethane	<0.13
1,2-Dichloropropane	<0.13
Benzene	<0.13
Chloroethane	<0.20
Chloroform	<0.13
Cis-1,2-Dichloroethylene	<0.13
Ethylbenzene	<0.13
Methylene	1.70 JB
Tetrachloroethylene	<0.13
1,1,1-Trichloroethane	<0.13
Trichloroethylene	<0.13
Toluene	<0.13
Total Xylenes	<0.13
Vinyl Chloride	<0.13

MW-23	
Date	6/23/2022
1,1-Dichloroethane	<0.13
1,1-Dichloroethylene	<0.13
1,2,4-Trimethylbenzene	<0.13
1,2-Dichloroethane	<0.13
1,2-Dichloropropane	<0.13
Benzene	<0.13
Chloroethane	<0.20
Chloroform	<0.13
Cis-1,2-Dichloroethylene	1.80
Ethylbenzene	<0.13
Methylene	1.70 JB
Tetrachloroethylene	**9.60**
1,1,1-Trichloroethane	<0.13
Trichloroethylene	**0.92**
Toluene	<0.13
Total Xylenes	<0.13
Vinyl Chloride	**2.30**

MW-7	
Date	6/23/2022
1,1-Dichloroethane	<0.13
1,1-Dichloroethylene	<0.13
1,2,4-Trimethylbenzene	<0.13
1,2-Dichloroethane	<0.13
1,2-Dichloropropane	<0.13
Benzene	<0.13
Chloroethane	<0.20
Chloroform	<0.13
Cis-1,2-Dichloroethylene	<0.13
Ethylbenzene	<0.13
Methylene	1.6 JB
Tetrachloroethylene	3.60
1,1,1-Trichloroethane	<0.13
Trichloroethylene	<0.13
Toluene	<0.13
Total Xylenes	<0.13
Vinyl Chloride	<0.13

MW-5	
Date	6/23/2022
1,1-Dichloroethane	<0.13
1,1-Dichloroethylene	<0.13
1,2,4-Trimethylbenzene	<0.13
1,2-Dichloroethane	<0.13
1,2-Dichloropropane	<0.13
Benzene	<0.13
Chloroethane	<0.20
Chloroform	<0.13
Cis-1,2-Dichloroethylene	**25.90**
Ethylbenzene	<0.13
Methylene	<1.00
Tetrachloroethylene	
1,1,1-Trichloroethane	<0.13
Trichloroethylene	**8.10**
Toluene	<0.13
Total Xylenes	<0.13
Vinyl Chloride	<0.13

MW-8	
Date	6/23/2022
1,1-Dichloroethane	<0.13
1,1-Dichloroethylene	0.23 J
1,2,4-Trimethylbenzene	<0.13
1,2-Dichloroethane	<0.13
1,2-Dichloropropane	<0.13
Benzene	<0.13
Chloroethane	<0.20
Chloroform	<0.13
Cis-1,2-Dichloroethylene	0.78
Ethylbenzene	<0.13
Methylene	1.7 JB
Tetrachloroethylene	<0.13
1,1,1-Trichloroethane	<0.13
Trichloroethylene	**2.50**
Toluene	<0.13
Total Xylenes	<0.13
Vinyl Chloride	<0.13

MW-12	
Date	6/23/2022
1,1-Dichloroethane	<0.13
1,1-Dichloroethylene	<0.13
1,2,4-Trimethylbenzene	<0.13
1,2-Dichloroethane	<0.13
1,2-Dichloropropane	<0.13
Benzene	<0.13
Chloroethane	<0.20
Chloroform	<0.13
Cis-1,2-Dichloroethylene	**28.70**
Ethylbenzene	<0.13
Methylene	1.70 JB
Tetrachloroethylene	**81.6e**
1,1,1-Trichloroethane	<0.13
Trichloroethylene	**5.10**
Toluene	<0.13
Total Xylenes	<0.13
Vinyl Chloride	**1.60**

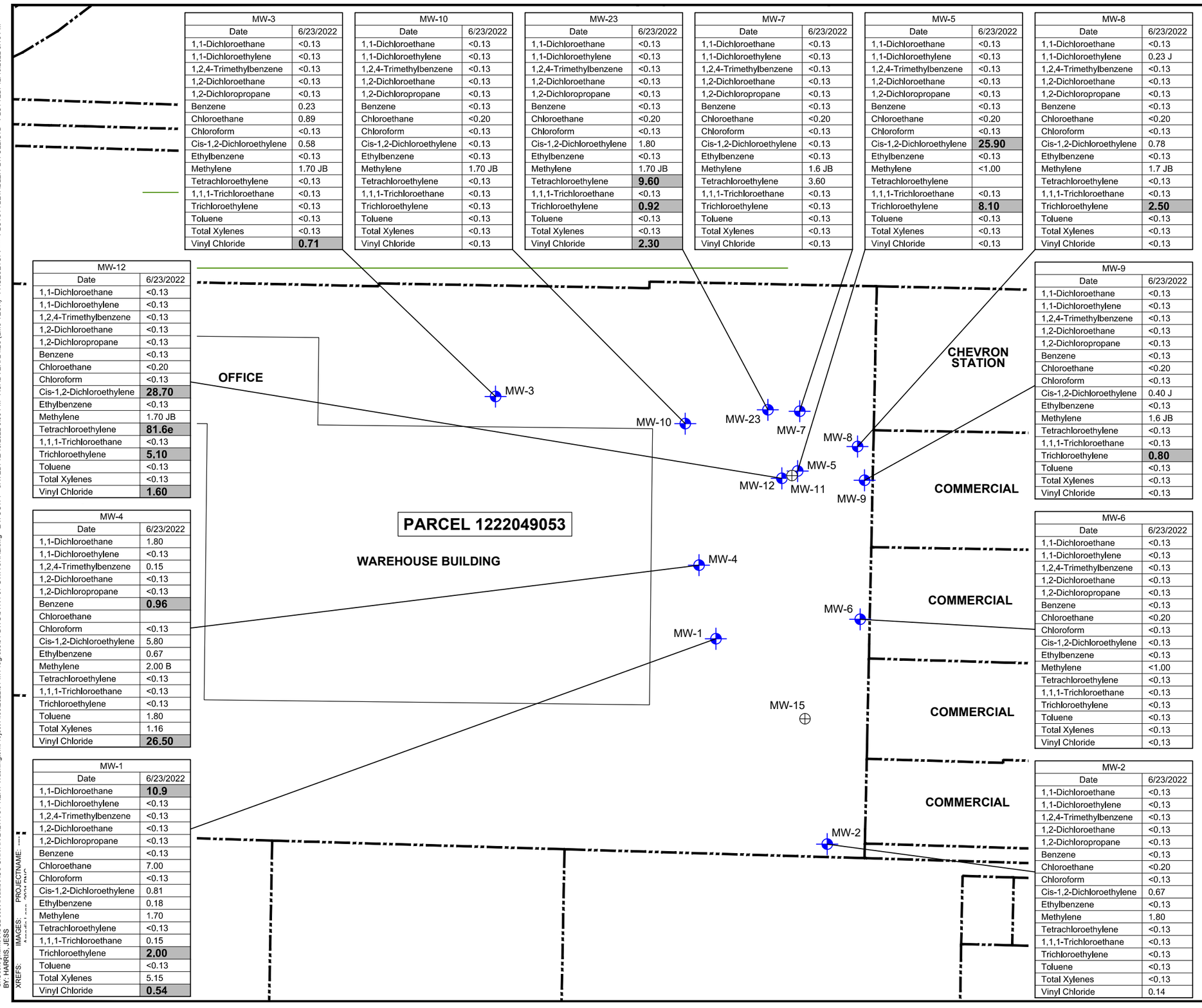
MW-4	
Date	6/23/2022
1,1-Dichloroethane	1.80
1,1-Dichloroethylene	<0.13
1,2,4-Trimethylbenzene	0.15
1,2-Dichloroethane	<0.13
1,2-Dichloropropane	<0.13
Benzene	**0.96**
Chloroethane	
Chloroform	<0.13
Cis-1,2-Dichloroethylene	5.80
Ethylbenzene	0.67
Methylene	2.00 B
Tetrachloroethylene	<0.13
1,1,1-Trichloroethane	<0.13
Trichloroethylene	<0.13
Toluene	1.80
Total Xylenes	1.16
Vinyl Chloride	**26.50**

MW-1	
Date	6/23/2022
1,1-Dichloroethane	**10.9**
1,1-Dichloroethylene	<0.13
1,2,4-Trimethylbenzene	<0.13
1,2-Dichloroethane	<0.13
1,2-Dichloropropane	<0.13
Benzene	<0.13
Chloroethane	7.00
Chloroform	<0.13
Cis-1,2-Dichloroethylene	0.81
Ethylbenzene	0.18
Methylene	1.70
Tetrachloroethylene	<0.13
1,1,1-Trichloroethane	0.15
Trichloroethylene	**2.00**
Toluene	<0.13
Total Xylenes	5.15
Vinyl Chloride	**0.54**

MW-9	
Date	6/23/2022
1,1-Dichloroethane	<0.13
1,1-Dichloroethylene	<0.13
1,2,4-Trimethylbenzene	<0.13
1,2-Dichloroethane	<0.13
1,2-Dichloropropane	<0.13
Benzene	<0.13
Chloroethane	<0.20
Chloroform	<0.13
Cis-1,2-Dichloroethylene	0.40 J
Ethylbenzene	<0.13
Methylene	1.6 JB
Tetrachloroethylene	<0.13
1,1,1-Trichloroethane	<0.13
Trichloroethylene	**0.80**
Toluene	<0.13
Total Xylenes	<0.13
Vinyl Chloride	<0.13

MW-6	
Date	6/23/2022
1,1-Dichloroethane	<0.13
1,1-Dichloroethylene	<0.13
1,2,4-Trimethylbenzene	<0.13
1,2-Dichloroethane	<0.13
1,2-Dichloropropane	<0.13
Benzene	<0.13
Chloroethane	<0.20
Chloroform	<0.13
Cis-1,2-Dichloroethylene	<0.13
Ethylbenzene	<0.13
Methylene	<1.00
Tetrachloroethylene	<0.13
1,1,1-Trichloroethane	<0.13
Trichloroethylene	<0.13
Toluene	<0.13
Total Xylenes	<0.13
Vinyl Chloride	<0.13

MW-2	
Date	6/23/2022
1,1-Dichloroethane	<0.13
1,1-Dichloroethylene	<0.13
1,2,4-Trimethylbenzene	<0.13
1,2-Dichloroethane	<0.13
1,2-Dichloropropane	<0.13
Benzene	<0.13
Chloroethane	<0.20
Chloroform	<0.13
Cis-1,2-Dichloroethylene	0.67
Ethylbenzene	<0.13
Methylene	1.80
Tetrachloroethylene	<0.13
1,1,1-Trichloroethane	<0.13
Trichloroethylene	<0.13
Toluene	<0.13
Total Xylenes	<0.13
Vinyl Chloride	0.14



LEGEND:

- APPROXIMATE PROPERTY BOUNDARY
- MW-1 — SHALLOW GROUNDWATER MONITORING WELL
- MW-15 — ABANDONED MONITORING WELL
- **BOLD** — VALUES ARE NOT DETECTED BELOW THE LABORATORY METHOD DETECTION LIMIT (MDL), BUT MDL IS GREATER THAN THE MTCA METHOD B CUL
- **BOLD** — VALUES ARE GREATER THAN THEIR RESPECTIVE MTCA METHOD B CUL
- < — VALUES ARE NON-DETECT BELOW THE LABORATORY METHOD DETECTION LIMIT (MDL), BUT THE MDL IS GREATER THAN THE MTCA METHOD B CUL
- B — THE SAME ANALYTE IS FOUND IN THE ASSOCIATED BLANK
- J — THE IDENTIFICATION OF THE ANALYTE IS ACCEPTABLE; THE REPORTED VALUE IS AN ESTIMATE
- E — INDICATES VALUE EXCEEDS CALIBRATION RANGE
- MTCA — MODEL TOXICS CONTROL ACT
- CUL — CLEANUP LEVEL

NOTES:

1. WELL LOCATIONS PROVIDED BY ERM.
2. PARCEL BOUNDARIES DOWNLOADED FROM KING COUNTY GIS OPEN DATA PORTAL: www.gis-kingcounty.opendata.arcgis.com
3. ALL FEATURES AND LOCATIONS ARE APPROXIMATE.
4. ANALYTICAL RESULTS ARE PRESENTED IN MICROGRAMS PER LITER (µg/L)

0 100' 200'

GRAPHIC SCALE

UNIVAR SOLUTIONS USA INC.
8201 S. 212TH STREET
KENT, WASHINGTON

SHALLOW GROUNDWATER ANALYTICAL RESULTS MAP - JUNE 23, 2022

ARCADIS

FIGURE 7

MW-13	
Date	6/23/2022
1,1-Dichloroethane	<0.13
1,1-Dichloroethylene	<0.13
1,2,4-Trimethylbenzene	75.00
1,2-Dichloroethane	<0.13
1,2-Dichloropropane	<0.13
Benzene	0.41 J
Chloroethane	85.80
Chloroform	0.95
Cis-1,2-Dichloroethylene	0.48 J
Ethylbenzene	13.40
Methylene	1.80 JB
Tetrachloroethylene	<0.13
1,1,1-Trichloroethane	<0.13
Trichloroethylene	<0.13
Toluene	0.89
Total Xylenes	156.00
Vinyl Chloride	**0.70**

MW-17	
Date	6/23/2022
1,1-Dichloroethane	<0.13
1,1-Dichloroethylene	<0.13
1,2,4-Trimethylbenzene	0.30 J
1,2-Dichloroethane	**0.80**
1,2-Dichloropropane	<0.13
Benzene	**7.80**
Chloroethane	44.30
Chloroform	<0.13
Cis-1,2-Dichloroethylene	<0.13
Ethylbenzene	<0.13
Methylene	1.80 JB
Tetrachloroethylene	<0.13
1,1,1-Trichloroethane	<0.13
Trichloroethylene	<0.13
Toluene	0.87
Total Xylenes	1.97
Vinyl Chloride	<0.13

MW-19	
Date	6/23/2022
1,1-Dichloroethane	<0.13
1,1-Dichloroethylene	<0.13
1,2,4-Trimethylbenzene	6.00
1,2-Dichloroethane	<0.13
1,2-Dichloropropane	<0.13
Benzene	0.34
Chloroethane	0.74
Chloroform	<0.13
Cis-1,2-Dichloroethylene	**25.00**
Ethylbenzene	8.10
Methylene	1.70 JB
Tetrachloroethylene	<0.13
1,1,1-Trichloroethane	<0.13
Trichloroethylene	<0.13
Toluene	6.10
Total Xylenes	9.70
Vinyl Chloride	**43.50**

MW-18	
Date	6/23/2022
1,1-Dichloroethane	<0.13
1,1-Dichloroethylene	<0.13
1,2,4-Trimethylbenzene	<0.13
1,2-Dichloroethane	<0.13
1,2-Dichloropropane	<0.13
Benzene	<0.13
Chloroethane	<0.20
Chloroform	<0.13
Cis-1,2-Dichloroethylene	9.30
Ethylbenzene	<0.13
Methylene	1.70 JB
Tetrachloroethylene	5.60
1,1,1-Trichloroethane	<0.13
Trichloroethylene	5.30
Toluene	<0.13
Total Xylenes	<0.13
Vinyl Chloride	0.50

MW-16	
Date	6/23/2022
1,1-Dichloroethane	<0.13
1,1-Dichloroethylene	<0.13
1,2,4-Trimethylbenzene	<0.13
1,2-Dichloroethane	<0.13
1,2-Dichloropropane	<0.13
Benzene	<0.13
Chloroethane	<0.20
Chloroform	<0.13
Cis-1,2-Dichloroethylene	<0.13
Ethylbenzene	<0.13
Methylene	1.70 JB
Tetrachloroethylene	<0.13
1,1,1-Trichloroethane	<0.13
Trichloroethylene	<0.13
Toluene	<0.13
Total Xylenes	<0.13
Vinyl Chloride	**0.69**

MW-21	
Date	6/23/2022
1,1-Dichloroethane	<6.3
1,1-Dichloroethylene	<6.3
1,2,4-Trimethylbenzene	**371**
1,2-Dichloroethane	**<6.3**
1,2-Dichloropropane	**<6.30**
Benzene	**<6.3**
Chloroethane	132.00
Chloroform	<6.3
Cis-1,2-Dichloroethylene	<6.3
Ethylbenzene	**323**
Methylene	<50.00 B
Tetrachloroethylene	<6.3
1,1,1-Trichloroethane	<6.3
Trichloroethylene	<6.3
Toluene	<6.3
Total Xylenes	**3,223**
Vinyl Chloride	**<6.3**

P-1	
Date	6/23/2022
1,1-Dichloroethane	<0.13
1,1-Dichloroethylene	<0.13
1,2,4-Trimethylbenzene	<0.13
1,2-Dichloroethane	<0.13
1,2-Dichloropropane	<0.13
Benzene	<0.13
Chloroethane	<0.20
Chloroform	<0.13
Cis-1,2-Dichloroethylene	<0.13
Ethylbenzene	<0.13
Methylene	1.70 JB
Tetrachloroethylene	<0.13
1,1,1-Trichloroethane	<0.13
Trichloroethylene	<0.13
Toluene	<0.13
Total Xylenes	<0.13
Vinyl Chloride	<0.13

MW-22	
Date	6/23/2022
1,1-Dichloroethane	<0.25
1,1-Dichloroethylene	<0.25
1,2,4-Trimethylbenzene	<0.25
1,2-Dichloroethane	<0.25
1,2-Dichloropropane	<0.25
Benzene	<0.25
Chloroethane	54.50
Chloroform	<0.25
Cis-1,2-Dichloroethylene	1.70
Ethylbenzene	0.47 J
Methylene	**7.30 B**
Tetrachloroethylene	<0.25
1,1,1-Trichloroethane	<0.25
Trichloroethylene	<0.25
Toluene	1.70
Total Xylenes	1.73
Vinyl Chloride	0.43 J

MW-24	
Date	6/23/2022
1,1-Dichloroethane	**55.3**
1,1-Dichloroethylene	<6.30
1,2,4-Trimethylbenzene	**545**
1,2-Dichloroethane	**<6.30**
1,2-Dichloropropane	**<6.30**
Benzene	**<6.3**
Chloroethane	221.00
Chloroform	**<6.3**
Cis-1,2-Dichloroethylene	<6.30
Ethylbenzene	**2400**
Methylene	**163 B**
Tetrachloroethylene	<6.30
1,1,1-Trichloroethane	<6.30
Trichloroethylene	<6.30
Toluene	**1,440**
Total Xylenes	**7,220 E**
Vinyl Chloride	**<6.30 J**

MW-25	
Date	6/23/2022
1,1-Dichloroethane	<0.13
1,1-Dichloroethylene	<0.13
1,2,4-Trimethylbenzene	32.90
1,2-Dichloroethane	<0.13
1,2-Dichloropropane	<0.13
Benzene	0.48 J
Chloroethane	94.10
Chloroform	<0.13
Cis-1,2-Dichloroethylene	<0.13
Ethylbenzene	1.40
Methylene	2.00 B
Tetrachloroethylene	<0.13
1,1,1-Trichloroethane	<0.13
Trichloroethylene	<0.13
Toluene	<0.13
Total Xylenes	12.37
Vinyl Chloride	**1.30 J**

MW-14	
Date	6/23/2022
1,1-Dichloroethane	<0.13
1,1-Dichloroethylene	<0.13
1,2,4-Trimethylbenzene	<0.13
1,2-Dichloroethane	<0.13
1,2-Dichloropropane	<0.13
Benzene	<0.13
Chloroethane	<0.20
Chloroform	<0.13
Cis-1,2-Dichloroethylene	<0.13
Ethylbenzene	<0.13
Methylene	1.70 JB
Tetrachloroethylene	<0.13
1,1,1-Trichloroethane	<0.13
Trichloroethylene	<0.13
Toluene	<0.13
Total Xylenes	<0.13
Vinyl Chloride	<0.13

MW-20 (NS)

SO

MW-28 (NS)

MW-19

MW-17

MW-18

OFFICE

CHEVRON STATION

P-1

COMMERCIAL

PARCEL 1222049053

WAREHOUSE BUILDING

MW-16

MW-22

MW-25

MW-13

MW-14

MW-21

MW-24

COMMERCIAL

COMMERCIAL

LEGEND:

- APPROXIMATE PROPERTY BOUNDARY
- MW-27 DEEP GROUNDWATER MONITORING WELL
- P-1 PIEZOMETER
- **BOLD** VALUES ARE NOT DETECTED BELOW THE LABORATORY METHOD DETECTION LIMIT (MDL), BUT MDL IS GREATER THAN THE MTCA METHOD B CUL
- **BOLD** VALUES ARE GREATER THAN THEIR RESPECTIVE MTCA METHOD B CUL
- < VALUES ARE NON-DETECT BELOW THE LABORATORY METHOD DETECTION LIMIT (MDL), BUT THE MDL IS GREATER THAN THE MTCA METHOD B CUL
- B THE SAME ANALYTE IS FOUND IN THE ASSOCIATED BLANK
- J THE IDENTIFICATION OF THE ANALYTE IS ACCEPTABLE; THE REPORTED VALUE IS AN ESTIMATE
- E INDICATES VALUE EXCEEDS CALIBRATION RANGE
- (NS) NOT SAMPLED
- MTCA MODEL TOXICS CONTROL ACT
- CUL CLEANUP LEVEL

NOTES:

1. WELL LOCATIONS PROVIDED BY ERM.
2. PARCEL BOUNDARIES DOWNLOADED FROM KING COUNTY GIS OPEN DATA PORTAL: www.gis-kingcounty.opendata.arcgis.com
3. ALL FEATURES AND LOCATIONS ARE APPROXIMATE.
4. ANALYTICAL RESULTS ARE PRESENTED IN MICROGRAMS PER LITER (µg/L)

0 100' 200'

GRAPHIC SCALE

UNIVAR SOLUTIONS USA INC.
8201 S. 212TH STREET
KENT, WASHINGTON

DEEP GROUNDWATER ANALYTICAL RESULTS MAP - JUNE 23, 2022

ARCADIS

FIGURE 8

C:\Users\jlharris\ACCDocs\Arcadis\AUS-UNIVAR-212TH ST-KENT Washington\Project Files\2022\01-In Progress\01-DWG\5YR-F08-GWA DEEP.dwg LAYOUT: 8 SAVED: 12/16/2022 3:34 PM ACADVER: 24.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 12/23/2022 10:19 AM
BY: HARRIS, JESS
XREFS:
IMAGES: PROJECTNAME: ----
Arcadis Logo_2021.PNG

MW-28
MW-19
GP-2
GP-1
GP-4
MW-3
GP-5
MW-17
MW-18
MW-10
MW-23
MW-7
SB-35
SB-34
GP-3
SB-11
SB-33
GP-12
MW-8
P-1
SB-23
SB-24
SB-12
SB-32
SB-21
GP-11
SB-25
GP-7
GP-9
MW-5
SB-22
MW-11
MW-9
SB-20
SB-26
GP-10
SB-27
MW-12
SB-19
SB-13
GP-6
SB-41
SB-17
SB-42
MW-22
SB-28
SB-31
GP-8
MW-4
MW-16
SB-16
SB-14
MW-25
MW-13
SB-30
SB-29
MW-14
MW-6
SB-36
SB-40
MW-1
MW-21
MW-24
SB-8
SB-15
SB-9
SB-38
SB-37
MW-15
SB-39
SB-10
MW-2

PARCEL 1222049053

WAREHOUSE BUILDING

SB-18 IS APPROXIMATELY 380 FEET WEST FROM MW-16

CHEVRON STATION

COMMERCIAL

COMMERCIAL

COMMERCIAL

COMMERCIAL

SB-43

LEGEND:

- APPROXIMATE PROPERTY BOUNDARY
- MW-1 SHALLOW GROUNDWATER MONITORING WELL
- MW-16 DEEP GROUNDWATER MONITORING WELL
- P-1 PIEZOMETER
- MW-15 ABANDONED MONITORING WELL
- SB-37 BORING LOCATION
- INDICATOR HAZARDOUS SUBSTANCES EXCEEDED ONE OR MORE APPLICABLE CLEANUP LEVELS
- INDICATOR HAZARDOUS SUBSTANCES WERE LESS THAN APPLICABLE CLEANUP LEVELS
- APPROXIMATE HISTORICAL EXTENT OF INDICATOR HAZARDOUS SUBSTANCES EXCEEDING CLEANUP LEVELS

NOTES:

1. WELL LOCATIONS PROVIDED BY ERM.
2. PARCEL BOUNDARIES DOWNLOADED FROM KING COUNTY GIS OPEN DATA PORTAL: www.gis-kingcounty.opendata.arcgis.com
3. ALL FEATURES AND LOCATIONS ARE APPROXIMATE.
4. DEPICTION OF MTCA BOUNDARY MAP FOR SOIL IS BASED ON DATA PROVIDED IN THE 2009 REMEDIAL INVESTIGATION REPORT (PES ENVIRONMENTAL INC., 2009).
5. REFERENCE: PES ENVIRONMENTAL, INC., 2009 REVISED REMEDIAL INVESTIGATION, FOCUSED FEASIBILITY STUDY ADDENDUM, AND DRAFT CLEANUP ACTION.

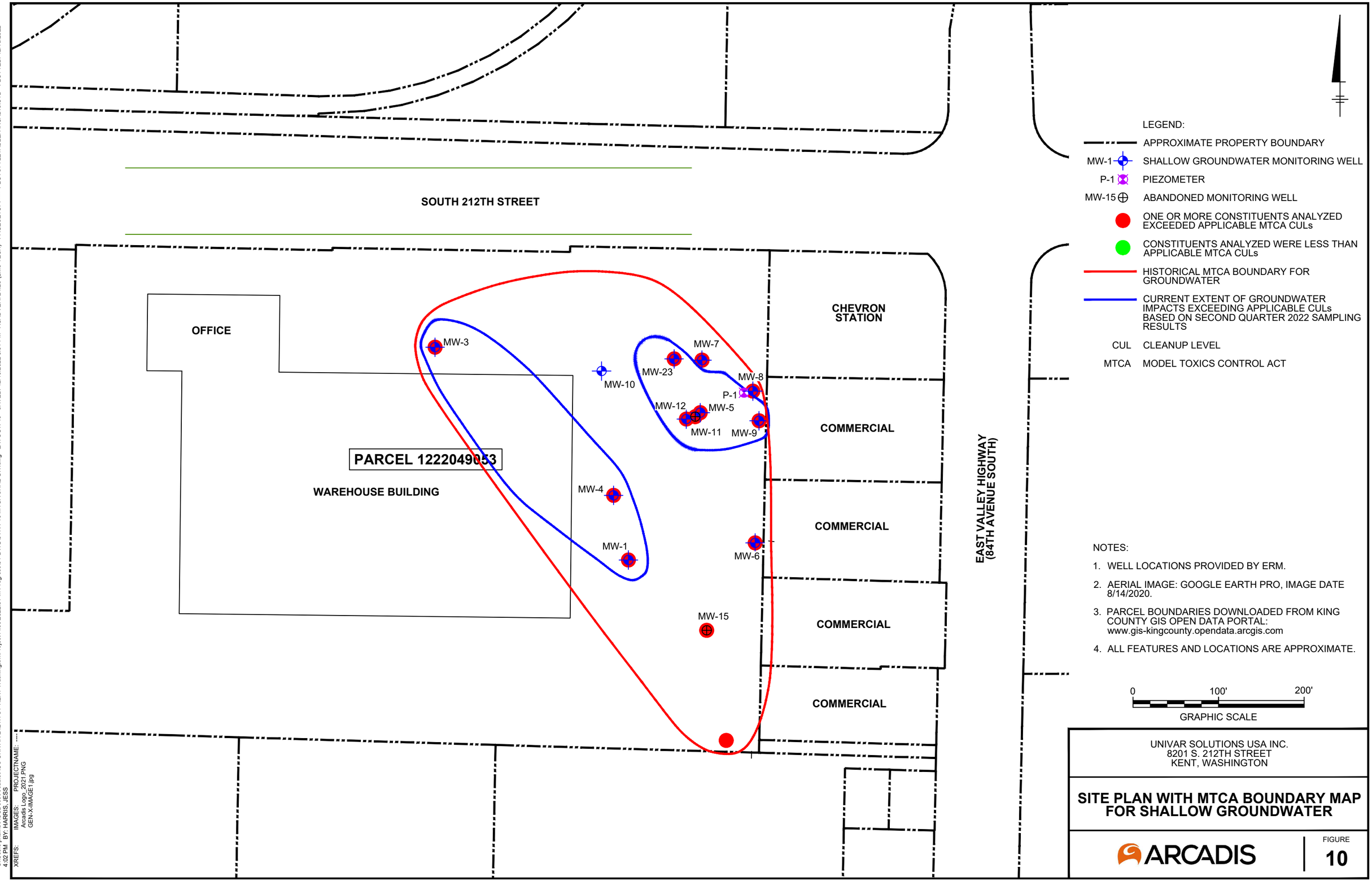
0 60' 120'
GRAPHIC SCALE

UNIVAR SOLUTIONS USA INC.
8201 S. 212TH STREET
KENT, WASHINGTON

SITE PLAN WITH MTCA BOUNDARY FOR SOIL

ARCADIS

FIGURE
9



NOTES:

1. WELL LOCATIONS PROVIDED BY ERM.
2. AERIAL IMAGE: GOOGLE EARTH PRO, IMAGE DATE 8/14/2020.
3. PARCEL BOUNDARIES DOWNLOADED FROM KING COUNTY GIS OPEN DATA PORTAL: www.gis-kingcounty.opendata.arcgis.com
4. ALL FEATURES AND LOCATIONS ARE APPROXIMATE.

0 100' 200'

GRAPHIC SCALE

UNIVAR SOLUTIONS USA INC.
8201 S. 212TH STREET
KENT, WASHINGTON

SITE PLAN WITH MTCA BOUNDARY MAP FOR SHALLOW GROUNDWATER

ARCADIS

FIGURE 10

MW-29

~1275 ft to MW-28

MW-29 LOCATION

MW-20

MW-27

SOUTH 212TH STREET

MW-28

MW-19

OFFICE

CHEVRON STATION

MW-17

MW-18

P-1

COMMERCIAL

MW-11

PARCEL 1222049053

MW-22

WAREHOUSE BUILDING

MW-16

MW-25

MW-13

MW-14

COMMERCIAL

MW-21

MW-24

MW-15

COMMERCIAL

EAST VALLEY HIGHWAY (84TH AVENUE SOUTH)

LEGEND:

- APPROXIMATE PROPERTY BOUNDARY
- MW-16 DEEP GROUNDWATER MONITORING WELL
- P-1 PIEZOMETER
- MW-15 ABANDONED MONITORING WELL
- ONE OR MORE CONSTITUENTS ANALYZED EXCEEDED APPLICABLE MTCA CULs
- CONSTITUENTS ANALYZED WERE LESS THAN APPLICABLE MTCA CULs
- HISTORICAL MTCA BOUNDARY FOR GROUNDWATER
- CURRENT EXTENT OF GROUNDWATER IMPACTS EXCEEDING APPLICABLE CULs BASED ON SECOND QUARTER 2022 SAMPLING RESULTS
- CUL CLEANUP LEVEL
- MTCA MODEL TOXICS CONTROL ACT

NOTES:

1. WELL LOCATIONS PROVIDED BY ERM.
2. AERIAL IMAGE: GOOGLE EARTH PRO, IMAGE DATE 8/14/2020.
3. PARCEL BOUNDARIES DOWNLOADED FROM KING COUNTY GIS OPEN DATA PORTAL: www.gis-kingcounty.opendata.arcgis.com
4. ALL FEATURES AND LOCATIONS ARE APPROXIMATE.

0 100' 200'

GRAPHIC SCALE

UNIVAR SOLUTIONS USA INC.
8201 S. 212TH STREET
KENT, WASHINGTON

SITE PLAN WITH MTCA BOUNDARY MAP FOR DEEP GROUNDWATER

ARCADIS

FIGURE 11

C:\Users\jlharris\ACCDocs\Arcadis\AUS-UNIVAR-212TH ST-KENT Washington\Project Files\2022\01-In Progress\01-DWG\6YR-F11-MTCA DEEP GW.dwg LAYOUT: 11 SAVED: 12/16/2022 4:03 PM ACADVER: 24.2S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ARCADIS.CTB PLOTTED: 12/16/2022 4:06 PM BY: HARRIS, JESS
XREFS:
IMAGES: PROJECTNAME:
Arcadis Logo_2021.PNG
GEN-X-IMAGE1.jpg

Appendix A

Agreed Order

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY
15 W Yakima Ave, Ste 200 • Yakima, WA 98902-3452 • (509) 575-2490

December 1, 2008

CERTIFIED MAIL
7007 2560 0001 9534 1240

Mr. George Sylvester, Senior Project Manager
Univar USA Inc.
4833 South Beech Street
Morrison, CO 80465

RE: Final Agreed Order for Site Cleanup
Univar-Kent, Washington

Dear Mr. Sylvester:

Enclosed is a copy of the final Agreed Order for site cleanup at the Univar-Kent facility. It was signed by the Washington State Department of Ecology on November 20, 2008.

I would like to take this opportunity to thank you for the professional and collaborative manner in which the details of the Agreed Order were negotiated. I look forward to working with you during implementation of the cleanup actions at this site.

Should you have any questions, please do not hesitate to contact me at (509) 454-7893.

Sincerely,

Greg Caron, RCRA Site Manager
Washington State Department of Ecology
Central Regional Office
Hazardous Waste and Toxics Reduction Program
15 West Yakima Avenue, Suite 200
Yakima, WA 98902-3452

GC/rp

Enclosure

cc Dan Balbiani, PES Environmental Inc.
James Hooper, Univar USA Inc.
Brel Menard, GSB Law
Sonia Wolfman, Washington AGO

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

In the Matter of Remedial Action by:	AGREED ORDER
Univar USA Inc. 8201 South 212th Street Kent, WA 98032	No. DE 5988

TO: James P. Hooper, Director
Environmental Affairs
Univar USA Inc.
500 108th Avenue NE, Suite 2200
Bellevue, WA 98004

TABLE OF CONTENTS

EXHIBITS

I. INTRODUCTION

The mutual objective of the State of Washington, Department of Ecology (Ecology) and Univar USA Inc. (Univar) under this Agreed Order (Order) is to provide for remedial action at a facility where there has been a release of hazardous substances. This Order requires Univar to finalize a remedial investigation, feasibility study, and draft a cleanup action plan. Ecology believes the actions required by this Order are in the public interest.

II. JURISDICTION

This Order is issued pursuant to the authority of the Model Toxics Control Act (MTCA), RCW 70.105D.050(1). This Order also satisfies the requirements of WAC 173-303-646 through -64630.

III. PARTIES BOUND

This Agreed Order shall apply to and be binding upon the Parties to this Order and their successors and assigns. The undersigned representative of each Party hereby certifies that he or she is fully authorized to enter into this Order and to execute and legally bind such Party to comply with the Order. Univar agrees to undertake all actions required by the terms and conditions of this Order. No change in ownership or corporate status shall alter Univar's responsibility under this Order. Univar shall provide a copy of this Order to all agents, contractors, and subcontractors retained to perform work required by this Order, and shall ensure that all work undertaken by such agents, contractors, and subcontractors complies with this Order.

IV. DEFINITIONS

Unless otherwise specified, the definitions set forth in Chapter 70.105D RCW and Chapter 173-340 WAC shall control the meanings of the terms used in this Order.

A. Agreed Order or Order: Refers to this Order and each of the exhibits to this Order. All exhibits are integral and enforceable parts of this Order. The terms "Agreed Order" or "Order" shall include all exhibits to this Order.

B. Area of Concern (AOC): Refers to any area of the Facility where a release of dangerous constituents (including dangerous waste and hazardous substances) has occurred, is occurring, is suspected to have occurred, or threatens to occur.

C. Cleanup Action Plan (CAP): Refers to the document issued by Ecology under WAC 173-340-380 which selects Facility-specific corrective measures and specifies cleanup standards (cleanup levels, points of compliance, and other requirements for the corrective measures) as described in WAC 173-340-360.

D. Cleanup Standards: Refers to the standards promulgated under RCW 70.105D.030(2)(e) and include (1) hazardous substance concentrations (cleanup levels) that protect human health and the environment, (2) the location at the Facility where those cleanup levels must be attained (points of compliance), and (3) additional regulatory requirements that apply to a cleanup because of the type of action and/or the location of the Facility.

E. Corrective Action: Refers to any activities including investigations, studies, characterizations, and corrective measures, including actions taken pursuant to Chapter 70.105D RCW and Chapter 173-340 WAC, undertaken in whole or in part to fulfill the requirements of WAC 173-303-64620.

F. Corrective Measure: Refers to any measure or action to control, prevent, or mitigate release(s) and/or potential release(s) of dangerous constituents (including dangerous waste and hazardous substances) reviewed and approved by Ecology for the Facility and set forth in a Facility-specific CAP prepared in compliance with the requirements of Chapter 173-340 WAC, including WAC 173-340-360 through -380. Corrective measures may include interim actions as defined by Chapter 173-340 WAC. Interim actions will not necessarily be set forth in a Facility-specific CAP.

G. Dangerous Constituent or Dangerous Waste Constituent: Refers to any constituent identified in WAC 173-303-9905 or 40 C.F.R. Part 264 Appendix IX, any constituent that caused a waste to be listed or designated as dangerous under the provisions of

Chapter 173-303 WAC, and any constituent defined as a hazardous substance under RCW 70.105D.020(10).

H. Dangerous Waste: Refers to any solid waste designated in WAC 173-303-070 through -100 as dangerous or extremely hazardous or mixed waste. Dangerous wastes are considered hazardous substances under RCW 70.105D.020(10).

I. Dangerous Waste Management Facility: Used interchangeably in this document with the term "Facility."

J. Dangerous Waste Management Unit (DWMU): Refers to a contiguous area of land on or in which dangerous waste is placed, or the largest area in which there is a significant likelihood of mixing dangerous waste constituents in the same area, as defined in WAC 173-303-040.

K. Facility: Refers to the property owned and controlled by Univar located at 8201 South 212th Street, Kent, Washington, including the Solid Waste Management Units (SWMUs) and Areas of Concern (AOC), and all property contiguous thereto also owned and controlled by Univar, and all property, regardless of control, affected by release(s) or threatened release(s) of hazardous substances, including dangerous wastes and dangerous constituents, at and from these areas. Based upon factors currently known to Ecology, the Site is more particularly described in Exhibit A to this Order. "Facility" also includes the definition found in RCW 70.105D.020(5).

L. Feasibility Study (FS): Refers to the investigation and evaluation of potential corrective measures performed in accordance with the FS requirements of WAC 173-340-350 and which is undertaken in whole or in part to fulfill the corrective action requirements of WAC 173-303-64620.

M. Parties: Refers to Ecology and Univar.

N. Potentially Liable Person (PLP): Refers to Univar.

O. Permit or Permitting Requirement: Unless otherwise specified, refers to the requirements of Chapter 173-303 WAC for applying for, obtaining, maintaining, modifying, and terminating Dangerous Waste Management Facility permits.

P. RCRA: Refers to the Resource Conservation and Recovery Act, 42 U.S.C. § 6901 *et seq.*

Q. RCRA Facility Assessment (RFA): Refers to the investigation of release(s) and potential release(s) at the Facility conducted by Science Applications International Corporation (SAIC) on behalf of the U.S. Environmental Protection Agency (EPA), and the information contained in the Visual Site Investigation report, dated October 1991 (RFA Report). The RFA Report is incorporated into this Order by this reference as if fully set forth herein.

R. Release: Refers to any intentional or unintentional spilling, leaking, pouring, emitting, emptying, discharging, injecting, pumping, escaping, leaching, dumping, or disposing of dangerous waste or dangerous constituents into the environment. It also includes the abandonment or discarding of barrels, containers, and other receptacles containing dangerous waste or dangerous constituents and includes the definition of "release" in RCW 70.105D.020(25).

S. Remedial Investigation (RI): Refers to a Facility-wide investigation and characterization which includes the substantive requirements for a RCRA facility investigation, undertaken in whole or in part to fulfill the corrective action requirements of WAC 173-303-64620 and Chapter 173-340 WAC.

T. Solid Waste Management Unit (SWMU): Refers to any discernible location at the Dangerous Waste Management Facility where solid wastes have been placed at any time, irrespective of whether the location was intended for the management of solid or dangerous waste. Such locations include any area at the Facility at which solid wastes, including spills, have been, intentionally or unintentionally, routinely and/or systematically released and include regulated units as defined by Chapter 173-303 WAC.

V. FINDINGS OF FACT

Ecology makes the following Findings of Fact, without any express or implied admissions of such facts by Univar.

A. Univar is the owner and operator of a chemical distribution facility located at 8201 South 212th Street, Kent, Washington. This Facility, known as the Univar Kent facility, provides warehousing, bulk storage, repacking, and transportation of numerous industrial chemical products.

B. From 1974 until October 31, 2007, Univar was an active Dangerous Waste Management Facility, providing waste management services by serving as a transporter and storage location for various types of dangerous waste.

C. Univar was operated as a Dangerous Waste Management Facility under three corporate names: Van Waters & Rogers Inc. (1974-2001), Vopak USA Inc. (2001-2002), and Univar USA Inc. (2002–2007). These were name changes only, and did not reflect a change in ownership or interest.

D. Van Waters & Rogers Inc. owned and operated the Facility as a Dangerous Waste Management Facility on or after November 19, 1980, the date which subjects facilities to RCRA permitting requirements, including interim status requirements pursuant to Section 3005 of RCRA, 42 U.S.C. § 6925, and implementing regulations thereunder, and including authorized State regulations promulgated in Chapter 173-303 WAC.

E. On November 13, 1980, Van Waters & Rogers Inc. submitted to the EPA Part A of the RCRA permit application. In the Part A application, Van Waters & Rogers Inc. identified itself as managing the following Dangerous Waste Management Units at the Facility:

- Container storage area 1: 4,400 gallons
- Container storage area 2: 17,600 gallons

The DWMUs managed a variety of waste solvents and corrosives received from industrial generators. These included 'listed' wastes that designated as F001, F002, F003, and F005, and non–listed wastes under the D001, D002 codes. Listed discarded chemical products included U002, U075, U140, U154, U080, U159, U161, U210, U220, U226, U228, U121, and U239.

F. Pursuant to the November 13, 1980 notification, EPA issued identification number WAD067548966 to Van Waters & Rogers Inc.

G. On July 26, 1984, Van Waters & Rogers Inc. provided further notification to EPA of dangerous waste management activities. Van Waters & Rogers Inc. identified itself as managing:

Unit Description	**EPA Waste Codes**
1,500 gallon above ground dangerous waste storage tank	F001, F002
6,000 gallon above ground dangerous waste storage tank	F001, F002
Container storage area; 1,000 gallons	unknown

H. On November 07, 1988, Van Waters & Rogers Inc. submitted to Ecology Part B of the RCRA permit application. The application identified Van Waters & Rogers Inc. as managing:

Unit Description	**EPA Waste Codes**
1,500 gallon above ground dangerous waste storage tank	F001, F002
6,000 gallon above ground dangerous waste storage tank	F001, F002
Waste Storage Area 1	F001, F002, F003, F005, D001, D002
Waste Storage Area 2	D002
Former container storage area	F001, F002
Elementary Neutralization Unit: 1200 gallon open top tank	D002
Former elementary neutralization unit: 700 gallon open top tank	D002

I. The Van Waters & Rogers Inc. RCRA Part B permit became effective November 4, 1991.

J. Since 1991, the Facility's dangerous waste permit application has been amended at least ten times. Most changes were Class I (minor) modifications. Class II (more substantive)

modifications included alteration and improvement of the container storage areas, submission of new waste sampling plans, and two modifications to accept 27 additional waste codes.[1]

K. In October 1991, Science Applications International Corporation, on behalf of EPA, completed a RFA Report. The purpose of a RFA is to identify those areas at the Facility where release(s) of hazardous substances, as defined in RCW 70.105D.020(10), may have occurred or may be occurring. The RFA Report identified the following SWMUs:

- SWMU 1 Hazardous waste storage area No. 1
- SWMU 2 Former hazardous waste storage area No. 2
- SWMU 3 Hazardous waste transfer station
- SWMU 4 Satellite accumulation area No. 1
- SWMU 5 Satellite accumulation area No. 2
- SWMU 6 Satellite accumulation area No. 3
- SWMU 7 Drum waste/neutralization unit
- SWMU 8 Solid waste dumpster
- SWMU 9 Former hazardous waste transfer station
- SWMU 10 Former drum waste/neutralization unit
- SWMU 11 Former neutralization oil/water separator
- SWMU 12 Former container storage area
- SWMU 13 Former 6,000 gallon hazardous waste storage tank
- SWMU 14 Former 1,500 gallon hazardous waste storage tank
- SWMU 15 Stormwater sewer system
- SWMU 16 Hazardous waste storage area No. 2

L. In 1994, based upon the recommendation of the RFA, soil investigation occurred at the former 1,500 gallon dangerous waste storage tank (EMCON 1994). Suspect soil conditions led to an investigation of groundwater in 1995 (EMCON 1995a). The groundwater

[1] F012, F032, F034, F035, F037, F038, K001, K046, K048, K049, K050, K051, K052, K060, K061, K062, K086, K087, K088, K141, K142, K143, K144, K145, K147, K148.

was found to contain hazardous substances (volatile organic compounds) at concentrations exceeding cleanup levels developed under WAC 173-340.

M. The discovery of hazardous substances in soil and groundwater led to expanding, multiphase investigations of the Facility described in the following documents:

- EMCON. 1994. *Limited Soil Investigation, 8201 South 212th Street, Kent, Washington.*
- EMCON. 1995a. *Subsurface Investigation and Groundwater Sampling Report, Former Hazardous Waste Storage Tank Area, Van Waters & Rogers Inc. Facility, 8201 South 212th Street, Kent, Washington.*
- EMCON. 1995b. *Former Hazardous Waste Storage Tank Area, Van Waters & Rogers Inc., Kent, Washington.*
- EMCON. 1998. *Groundwater Investigation Report, Van Waters & Rogers Inc., 8201 South 212th Street, Kent, Washington.*
- Vopak USA Inc. 2001. *Dangerous Waste Permit application.*
- PES Environmental Inc., EMCON, and IT Corp.: 1996-2007. Bimonthly, quarterly, semiannual and/or annual remedial progress reports.
- PES Environmental Inc. 2005. *Remedial Investigation Report.*

N. On July 23, 1998, Van Waters & Rogers Inc.'s consultant (EMCON) submitted a Groundwater Investigation Report to Ecology. Based on contaminant source characteristics, the Report described two areas at the Facility where release(s) of hazardous substances, as defined in RCW 70.105D.020(10) have occurred. Ecology will henceforth refer to these areas of concern (AOC) as follows:

- AOC 1 Contaminated area focused around the vicinity of the barrel wash pit and monitoring well MW-1
- AOC 2 Contaminated area focused around the vicinity of monitoring well MW-5

O. A number of the hazardous substances present in soil and groundwater were never managed in the former hazardous waste storage tanks. However, 37 underground storage tanks

were removed from this location in 1985 and 1986. These tanks held numerous products now found in soil and groundwater. Based on a review of historical information regarding site operations and the distribution of contaminants, a determination was made that the contaminant source(s) for AOC 1 were undocumented releases near the 37 underground tanks. The contaminant source(s) for AOC 2 are unknown.

P. The releases described above have contaminated and may continue to contaminate soil and groundwater. Residual contaminants in the saturated and unsaturated soil may be further mobilized by flow of water or air in the subsurface. Several migration processes have occurred and may continue to occur, including leaching to groundwater, downward flow due to gravity, and diffusion. The following indicator hazardous substances have been identified in groundwater:

- Trichloroethylene, perchloroethylene, trichloroethane, 1,1 dichloroethane, 1,1-dichlorethene, 1,2 dichloroethane, 1,2, dichloropropane, chloroethane, cis-1,2-dichloroethene, vinyl chloride, toluene, benzene, ethylbenzene, xylenes, methylene chloride, chloroform, and 1,2,4-trimethylbenzene.

In soil:

- Trichloroethylene, perchloroethylene, 1,1-dichlorethene, benzene, methylene chloride, and vinyl chloride.

Q. All contaminated soil at the Facility lies beneath buildings or pavement. Therefore, no ecological receptors (plants, soil biota, and animals) have been exposed to soil contamination. Human exposure may occur when site workers come in contact with soil during trenching and construction activities that disturb existing structures or pavement. No drinking water wells are present in or near the areas of contaminated groundwater, and none have been identified within one mile downgradient of the Facility.

R. A field pilot test of in-situ chemical oxidation was conducted in 2001.

S. Hazardous substances have been and may continue to be released from the Facility into the environment.

T. On October 31, 2006, Univar ceased using the DWMUs and notified Ecology of Univar's intent to close all DWMUs.

U. In August 2007, Ecology received a closure report describing implementation of the Facility's closure plan and sampling to confirm clean closure of all DWMUs.

V. On October 31, 2007, Ecology conditionally accepted certification for clean closure of the above ground portions of the DWMUs, and indicated its intention to address the below-ground contamination through a Corrective Action only RCRA permit.

W. Although the Facility still provides warehousing, bulk storage, repacking, and transportation of numerous industrial chemical products, it no longer operates as a hazardous waste treatment, storage or disposal facility. Currently, Univar is operating as a transfer facility (storage of dangerous waste not to exceed ten days), and as a generator of dangerous waste subject to RCRA, its implementing regulations, and authorized State regulations promulgated in Chapter 173-303 WAC.

VI. ECOLOGY DETERMINATIONS

A. Univar is a person within the meaning of RCW 70.105D.020(19).

B. Univar is the owner and operator of a Dangerous Waste Management Facility that operated under interim status or final Facility permit, subject to Sections 3004 and 3005 of RCRA, 42 U.S.C. §§ 6924 and 6925, and regulations promulgated thereunder, including authorized State regulations in Chapter 173-303 WAC. Univar is also an "owner or operator" as defined by RCW 70.105D.020(17) of a "facility" as defined by RCW 70.105D.020(5).

C. Certain waste and constituents found at the Facility are dangerous wastes and/or dangerous constituents as defined by Chapter 173-303 WAC, and in Section IV (Definitions), of this Order.

D. These dangerous wastes and/or dangerous constituents are considered hazardous substances within the meaning of RCW 70.105D.020(10).

E. Based on the Findings of Fact and the administrative record, Ecology has determined that release(s) and potential release(s) of hazardous substances at and/or from the Facility present a threat to human health and the environment.

F. Based on credible evidence, Ecology issued a PLP status letter to Univar dated December 21, 2007, pursuant to RCW 70.105D.040, -.020(21), and WAC 173-340-500. By letter dated January 8, 2008, Univar voluntarily waived its rights to notice and comment and accepted Ecology's determination that Univar is a PLP under RCW 70.105D.040.

G. Pursuant to RCW 70.105D.030(l) and RCW 70.105D.050(1), Ecology may require PLPs to investigate or conduct other remedial actions with respect to any release or threatened release of hazardous substances, whenever it believes such action to be in the public interest. Based on the foregoing facts, Ecology believes the remedial actions required by this Order are in the public interest.

VII. WORK TO BE PERFORMED

Based on the Findings of Fact and Ecology Determinations, it is hereby ordered that Univar take the following remedial actions and that these actions be conducted in accordance with Chapter 173-340 WAC unless otherwise specifically provided for herein.

A. Univar shall complete and submit to Ecology a Remedial Investigation and Focused Feasibility Study Addendum and draft Cleanup Action Plan (RI/FFSA/DCAP). Following Ecology review and comment on the RI/FFSA/DCAP, Univar shall finalize and submit to Ecology:

1. The remedial investigation portion of the report, which shall be submitted in accordance with the requirements of Chapter 173-340 WAC and as described in the Scope of Work. Prior remedial investigation activities are summarized in PES Environmental Inc. 2005. *Remedial Investigation Report.*

2. The feasibility study portion of the report, which shall be submitted in accordance with the requirements of WAC 173-340-350 through WAC 173-340-370, and

as described in the Scope of Work. Prior feasibility study activities are discussed in IT Corporation 2000, Draft Focused Feasibility Study.

3. The draft cleanup action plan (DCAP), which shall be submitted in accordance with the requirements of Chapter 173-340 WAC, as well as WAC 173-303-64610 through 173-303-646920, and as further detailed in the Scope of Work.

B. Attached hereto as Exhibit B is the Scope of Work. All corrective action tasks and deliverables shall be conducted in accordance with the Scope of Work. Exhibit B is incorporated by reference as an integral and enforceable part of the Order.

C. Attached hereto as Exhibit C is the schedule for the Scope of Work. Exhibit C is incorporated by reference as an integral and enforceable part of the Order. Univar shall submit to Ecology all deliverables required by the Scope of Work in accordance with Exhibit C.

D. After Ecology's approval of the DCAP, the Parties shall either amend this Order or enter into negotiations for a new agreed order or consent decree to design, construct, operate, and monitor the chosen remedial option(s) described in the DCAP. After public review and comment Ecology may modify the DCAP and agreed order or consent decree. Then Ecology shall approve a final cleanup action plan (CAP) and Univar shall implement it.

E. Each deliverable, once approved by Ecology, becomes an integral and enforceable part of this Order.

F. Univar shall notify Ecology's project coordinator in writing of any newly-identified SWMU(s), newly-discovered release(s) from known SWMU(s), and newly-discovered AOCs at the Facility no later than thirty (30) days after discovery, and shall investigate and report on these areas as directed by Ecology's project manager. If required, the investigation (assessment) and reporting shall be done in accordance with attached Exhibit B (Scope of Work).

G. If, at any time after the first exchange of comments on drafts Ecology determines that insufficient progress is being made in the preparation of any of the deliverables required by this Section, Ecology may complete and issue the final deliverable.

VIII. TERMS AND CONDITIONS OF ORDER

A. Public Notice

RCW 70.105D.030(2)(a) and WAC 173-340-600(11)(c) require that this Order be subject to public notice. If public notice on the Order and the permit are done concurrently, the notice period shall be for the longer of the two time periods required in WAC 173-340-600 and WAC 173-303-840(3)(d). Ecology shall be responsible for providing such public notice and reserves the right to modify or withdraw any provisions of this Order should public comment disclose facts or considerations which indicate to Ecology that the Order is inadequate or improper in any respect.

B. Remedial Action Costs

Univar shall pay to Ecology costs incurred by Ecology pursuant to this Order and consistent with WAC 173-340-550(2). These costs shall include work performed by Ecology or its contractors for, or on, the Facility under Chapter 70.105D RCW, including remedial actions and Order preparation, negotiation, oversight, and administration. These costs shall include work performed both prior to and subsequent to the issuance of this Order. Ecology's costs shall include costs of direct activities and support costs of direct activities as defined in WAC 173-340-550(2). Univar shall pay the required amount within ninety (90) days of receiving from Ecology an itemized statement of costs that includes a summary of costs incurred, an identification of involved staff, and the amount of time spent by involved staff members on the project. A general statement of work performed will be provided upon request. Itemized statements shall be prepared quarterly. Pursuant to WAC 173-340-550(4), failure to pay Ecology's costs within ninety (90) days of receipt of the itemized statement of costs will result in interest charges at the rate of twelve percent (12%) per annum, compounded monthly.

Pursuant to RCW 70.105D.055, Ecology has authority to recover unreimbursed remedial action costs by filing a lien against real property subject to the remedial actions.

In order to assure these payments get to the proper staff as soon as possible, the address for mailing via the post office is:

Department of Ecology
Cashiering Unit
PO Box 47611
Olympia, WA 98504-7611

If you choose to send a check by a messenger/overnight delivery service, the address to use is:

Department of Ecology
Cashiering Section 7-7095
300 Desmond Drive SE
Lacey, WA 98503-1274

In order to ensure that your payment is properly credited, please enclose the bottom portion of Ecology's invoice and indicate that the check is for cost recovery on the Univar Kent Facility.

C. Implementation of Remedial Action

If Ecology determines that Univar has failed without good cause to implement the remedial action, in whole or in part, Ecology may, after notice to Univar, perform any or all portions of the remedial action that remain incomplete. If Ecology performs all or portions of the remedial action because of Univar's failure to comply with its obligations under this Order, Univar shall reimburse Ecology for the costs of doing such work in accordance with Section VIII.B (Remedial Action Costs) provided that Univar is not obligated under this Section to reimburse Ecology for costs incurred for work inconsistent with or beyond the scope of this Order.

Except where necessary to abate an emergency situation, Univar shall not perform any remedial actions at the Facility outside those remedial actions required by this Order, unless Ecology concurs, in writing, with such additional remedial actions.

D. Designated Project Coordinators

The project coordinator for Ecology is:

Greg Caron
15 W. Yakima Avenue #200
Yakima, WA 98902-3452
(509) 454-7893

The project coordinator for Univar is:

George Sylvester
32131 Steven Way
Conifer, CO 80433
(303) 838-7260

Each project coordinator shall be responsible for overseeing the implementation of this Order. Ecology's project coordinator will be Ecology's designated representative for the Facility. To the maximum extent possible, communications between Ecology and Univar, and all documents, including reports, approvals, and other correspondence concerning the activities performed pursuant to the terms and conditions of this Order, shall be directed through the project coordinators. The project coordinators may designate, in writing, working level staff contacts for all or portions of the implementation of the work to be performed required by this Order.

Any party may change its respective project coordinator. Written notification shall be given to the other party at least ten (10) calendar days prior to the change.

E. Performance

All geologic and hydrogeologic work performed pursuant to this Order shall be under the supervision and direction of a geologist licensed in the State of Washington or under the direct supervision of an engineer registered in the State of Washington, except as otherwise provided for by Chapters 18.220 and 18.43 RCW.

All engineering work performed pursuant to this Order shall be under the direct supervision of a professional engineer registered in the State of Washington, except as otherwise provided for by RCW 18.43.130.

All construction work performed pursuant to this Order shall be under the direct supervision of a professional engineer or a qualified technician under the direct supervision of a professional engineer. The professional engineer must be registered in the State of Washington, except as otherwise provided for by RCW 18.43.130.

Any documents submitted containing geologic, hydrologic, or engineering work shall be under the seal of an appropriately licensed professional as required by Chapter 18.220 RCW or RCW 18.43.130.

Univar shall notify Ecology in writing of the identity of any engineer(s) and geologist(s), contractor(s) and subcontractor(s), and others to be used in carrying out the terms of this Order, in advance of their involvement at the Facility.

F. Access

Ecology or any Ecology authorized representative shall have authority to enter and move about all property at the Facility that Univar either owns, controls, or has access rights to at all reasonable times for the purposes of, *inter alia*: inspecting records, operation logs, and contracts related to the work being performed pursuant to this Order; reviewing Univar's progress in carrying out the terms of this Order; conducting such tests or collecting such samples as Ecology may deem necessary; using a camera, sound recording, or other documentary type equipment to record work done pursuant to this Order; and verifying the data submitted to Ecology by Univar. Univar shall make all reasonable efforts to secure access rights for those properties within the Facility not owned or controlled by Univar where remedial activities or investigations will be performed pursuant to this Order. Ecology or any Ecology authorized representative shall give reasonable notice before entering any Facility property owned or controlled by Univar unless an emergency prevents such notice. All persons who access the Facility pursuant to this Section shall comply with any applicable Health and Safety Plan(s) and, unless an emergency exists, shall be accompanied by a Univar representative at all times. Ecology employees and their representatives shall not be required to sign any liability release or waiver as a condition of Facility property access.

G. Sampling, Data Submittal, and Availability

With respect to the implementation of this Order, Univar shall make the results of all sampling, laboratory reports, and/or test results generated by it or on its behalf available to Ecology. Pursuant to WAC 173-340-840(5), all sampling data shall be submitted to Ecology in both printed and electronic formats in accordance with Section VII (Work to be Performed), Ecology's Toxics Cleanup Program Policy 840 (Data Submittal Requirements), and/or any subsequent procedures specified by Ecology for data submittal.

If requested by Ecology, Univar shall allow Ecology and/or its authorized representative to take split or duplicate samples of any samples collected by Univar pursuant to implementation of this Order. Univar shall notify Ecology seven (7) days in advance of any sample collection or work activity at the Facility. Ecology shall, upon request, allow Univar and/or its authorized representative to take split or duplicate samples of any samples collected by Ecology pursuant to the implementation of this Order, provided that doing so does not interfere with Ecology's sampling. Without limitation on Ecology's rights under Section VIII.F (Access), Ecology shall notify Univar prior to any sample collection activity unless an emergency prevents such notice.

In accordance with WAC 173-340-830(2)(a), all hazardous substance analyses shall be conducted by a laboratory accredited under Chapter 173-50 WAC for the specific analyses to be conducted, unless otherwise approved by Ecology.

H. Public Participation

A Public Participation Plan is required for this Facility. Ecology shall develop a Public Participation Plan alone or in conjunction with Univar.

Ecology shall maintain the responsibility for public participation at the Facility. However, Univar shall cooperate with Ecology, and shall:

1. If agreed to by Ecology, develop appropriate mailing list, prepare drafts of public notices and fact sheets at important stages of the remedial action, such as the submission of work plans, remedial investigation/feasibility study reports, cleanup action plans, and engineering design reports. As appropriate, Ecology will edit, finalize, and distribute such fact sheets and prepare and distribute public notices of Ecology's presentations and meetings.

2. Notify Ecology's project coordinator prior to the preparation of all press releases and fact sheets, and before major meetings with the interested public and local governments. Likewise, Ecology shall notify Univar prior to the issuance of all press releases and fact sheets, and before major meetings with the interested public and local governments. For all press releases, fact sheets, meetings, and other outreach efforts by Univar that do not receive prior

Ecology approval, Univar shall clearly indicate to its audience that the press release, fact sheet, meeting, or other outreach effort was not sponsored or endorsed by Ecology.

3. When requested by Ecology, participate in public presentations on the progress of the remedial action at the Facility. Participation may be through attendance at public meetings to assist in answering questions, or as a presenter.

4. When requested by Ecology, provide public participation information to the repository located at:

Washington State Department of Ecology
Northwest Regional Office - Library
3190 160th Avenue SE
Bellevue, WA 98008

At a minimum, copies of all public notices, fact sheets, and press releases; all quality assured monitoring data; remedial action plans and reports; supplemental remedial planning documents; and all other similar documents relating to performance of the remedial action required by this Order shall be promptly placed in this repository.

I. Retention of Records

During the pendency of this Order, and for ten (10) years from the date of completion of work performed pursuant to this Order, Univar shall preserve all records, reports, documents, and underlying data in its possession relevant to the implementation of this Order and shall insert a similar record retention requirement into all contracts with project contractors and subcontractors. Upon request of Ecology, Univar shall make all records available to Ecology and allow access for review within a reasonable time.

J. Resolution of Disputes

1. In the event a dispute arises as to an approval, disapproval, proposed change, or other decision or action by Ecology's project coordinator, or an itemized billing statement under Section VIII.B (Remedial Action Costs), the Parties shall utilize the dispute resolution procedure set forth below.

a. Upon receipt of Ecology's project coordinator's written decision or the itemized billing statement, Univar has fourteen (14) days within which to notify

Ecology's project coordinator in writing of its objection to the decision or itemized statement.

b. The Parties' project coordinators shall then confer in an effort to resolve the dispute. If the project coordinators cannot resolve the dispute within fourteen (14) days, Ecology's project coordinator shall issue a written decision.

c. Univar may then request regional management review of the decision. This request shall be submitted in writing to the Northwest Region Hazardous Waste & Toxics Reduction Section Supervisor within seven (7) days of receipt of Ecology's project coordinator's written decision.

d. The Section Supervisor shall conduct a review of the dispute and shall endeavor to issue a written decision regarding the dispute within thirty (30) days of Univar's request for review. The Section Supervisor's decision shall be Ecology's final decision on the disputed matter.

2. The Parties agree to utilize the dispute resolution process in good faith and agree to expedite, to the extent possible, the dispute resolution process whenever it is used.

3. Implementation of these dispute resolution procedures shall not provide a basis for delay of any activities required in this Order, unless Ecology agrees in writing to a schedule extension.

K. Extension of Schedule

1. An extension of schedule shall be granted only when a request for an extension is submitted in a timely fashion, generally at least thirty (30) days prior to expiration of the deadline for which the extension is requested, and good cause exists for granting the extension. All extensions shall be requested in writing. The request shall specify:

(a) The deadline that is sought to be extended;

(b) The length of the extension sought;

(c) The reason(s) for the extension; and

(d) Any related deadline or schedule that would be affected if the extension were granted.

2. The burden shall be on Univar to demonstrate to the satisfaction of Ecology that the request for such extension has been submitted in a timely fashion and that good cause exists for granting the extension. Good cause may include, but may not be limited to:

(a) Circumstances beyond Univar's reasonable control despite the due diligence of Univar, including delays caused by unrelated third parties or Ecology, such as (but not limited to) delays by Ecology in reviewing, approving, or modifying documents submitted by Univar;

(b) Acts of God, including fire, flood, blizzard, extreme temperatures, storm, or other unavoidable casualty; or

(c) Endangerment as described in Section VIII.M (Endangerment).

However, neither increased costs of performance of the terms of this Order nor changed economic circumstances shall be considered circumstances beyond the reasonable control of Univar.

3. Ecology shall act upon any written request for extension in a timely fashion. Ecology shall provide to Univar written notification of all extensions granted pursuant to this Order. A requested extension shall not be effective until approved by Ecology. Unless the extension is a substantial change, it shall not be necessary to amend this Order pursuant to Section VIII.L (Amendment of Order) when a schedule extension is granted.

4. An extension shall only be granted for such period of time as Ecology determines is reasonable under the circumstances. Ecology may grant schedule extensions exceeding ninety (90) days only as a result of:

(a) Delays in the issuance of a necessary permit which was applied for in a timely manner;

(b) Other circumstances deemed exceptional or extraordinary by Ecology; or

(c) Endangerment as described in Section VIII.M (Endangerment).

L. Amendment of Order

The project coordinators may verbally agree to minor changes to the work to be performed without formally amending this Order. Minor changes will be documented in writing by Ecology.

Except as provided in Section VIII.N (Reservation of Rights), substantial changes to the work to be performed shall require formal amendment of this Order. This Order may only be formally amended by the written consent of both Ecology and Univar. Univar shall submit a written request for amendment to Ecology for approval. Ecology shall indicate its approval or disapproval in writing and in a timely manner after the written request for amendment is received. If the amendment to this Order represents a substantial change, Ecology will provide public notice and opportunity to comment. Reasons for the disapproval of a proposed amendment to this Order shall be stated in writing by Ecology. If Ecology does not agree to a proposed amendment, the disagreement may be addressed through the dispute resolution procedures described in Section VIII. J (Resolution of Disputes).

M. Endangerment

In the event Ecology determines that any activity being performed at the Facility is creating or has the potential to create a danger to human health or the environment on or surrounding the Facility, Ecology may direct Univar to cease such activities for such period of time as it deems necessary to abate the danger. Univar shall immediately comply with such direction.

In the event Univar determines that any activity being performed at the Facility is creating or has the potential to create a danger to human health or the environment, Univar may cease such activities. Univar shall notify Ecology's project coordinator as soon as possible, but no later than twenty-four (24) hours after making such determination or ceasing such activities. Upon Ecology's direction Univar shall provide Ecology with documentation of the basis for the determination or cessation of such activities. If Ecology disagrees with Univar's cessation of activities, it may direct Univar to resume such activities.

If Ecology concurs with or orders a work stoppage pursuant to this Section, Univar's obligations with respect to the ceased activities shall be suspended until Ecology determines the danger is abated, and the time for performance of such activities, as well as the time for any other work dependent upon such activities, shall be extended in accordance with Section VIII.K. (Extension of Schedule) for such period of time as Ecology determines is reasonable under the circumstances.

Nothing in this Order shall limit the authority of Ecology, its employees, agents, or contractors to take or require appropriate action in the event of an emergency.

N. Reservation of Rights

This Order is not a settlement under Chapter 70.105D RCW. Ecology's signature on this Order in no way constitutes a covenant not to sue or a compromise of any of Ecology's rights or authority. Ecology will not, however, bring any actions against Univar to recover remedial action costs paid to and received by Ecology under this Order. In addition, Ecology will not take enforcement actions against Univar regarding remedial actions required by this Order, while Univar's actions are in compliance with this Order.

Ecology nevertheless reserves its rights under Chapter 70.105D RCW, including the right to require additional or different remedial actions at the Facility should it deem such actions necessary to protect human health and the environment, and to issue orders requiring such remedial actions. Ecology also reserves all rights regarding the injury to, destruction of, or loss of natural resources resulting from the release or threatened release of hazardous substances at the Facility.

O. Transfer of Interest in Property

No voluntary conveyance or relinquishment of title, easement, leasehold, or other interest in any portion of the Facility shall be consummated by Univar without provision for continued implementation of all requirements of this Order and implementation of any remedial actions found to be necessary as a result of this Order.

Prior to the finalization of any transfer of any interest in all or any portion of the Facility, and during the effective period of this Order, Univar shall provide a copy of this Order to any prospective purchaser, lessee, transferee, assignee, or other successor in said interest; and, at least thirty (30) days prior to finalizing such transaction, Univar shall notify Ecology. Upon transfer of any interest, Univar shall restrict uses and activities to those consistent with this Order and notify all transferees of the restrictions on the use of the property.

P. Compliance with Applicable Laws

1. All actions carried out by Univar pursuant to this Order shall be done in accordance with all applicable federal, state, and local requirements, including requirements to obtain necessary permits, except as provided in RCW 70.105D.090. At this time, no federal, state, or local permit requirements have been identified as being applicable to the actions required by this Order.

2. Pursuant to RCW 70.105D.090(1), Univar is exempt from the procedural requirements of Chapters 70.94, 70.95, 77.55, 90.48, and 90.58 RCW and of any laws requiring or authorizing local government permits or approvals. However, Univar shall comply with the substantive requirements of such permits or approvals. At this time, no state or local permits or approvals have been identified as being applicable but procedurally exempt under this Section.

Univar has a continuing obligation to determine whether additional permits or approvals addressed in RCW 70.105D.090(1) would otherwise be required for the remedial action under this Order. In the event either Ecology or Univar determines that additional permits or approvals addressed in RCW 70.105D.090(1) would otherwise be required for the remedial action under this Order, it shall promptly notify the other party of its determination. Ecology shall determine whether Ecology or Univar shall be responsible to contact the appropriate state and/or local agencies. If Ecology so requires, Univar shall promptly consult with the appropriate state and/or local agencies and provide Ecology with written documentation from those agencies of the substantive requirements those agencies believe are applicable to the remedial action. Ecology shall make the final determination on the additional substantive requirements that must be met by

Univar and on how Univar must meet those requirements. Ecology shall inform Univar in writing of these requirements. Once established by Ecology, the additional requirements shall be enforceable requirements of this Order. Univar shall not begin or continue the remedial action potentially subject to the additional requirements until Ecology makes its final determination.

3. Pursuant to RCW 70.105D.090(2), in the event Ecology determines that the exemption from complying with the procedural requirements of the laws referenced in RCW 70.105D.090(1) would result in the loss of approval from a federal agency that is necessary for the State to administer any federal law, the exemption shall not apply and Univar shall comply with both the procedural and substantive requirements of the laws referenced in RCW 70.105D.090(1), including any requirements to obtain permits.

Q. Land Use Restrictions

If necessary under the CAP, Univar shall record a Restrictive Covenant with the office of the King County Auditor within ten (10) days of the completion of the remedial action. The Restrictive Covenant shall restrict future uses of the Facility, and shall be subject to review and approval by Ecology. Univar shall provide Ecology with a copy of the recorded Restrictive Covenant within thirty (30) days of the recording date.

R. Financial Assurance

1. Pursuant to WAC 173-340-440(11) and consistent with WAC 173-303-64620, Univar shall maintain financial assurance for corrective action in the amount necessary to implement the current corrective actions at the Facility. In the absence of final regulations governing financial assurance for corrective action, the Financial Assurance for Corrective Action Proposed Rule, 51 F.R. 37853 (October 24, 1986) the financial assurance provisions of Corrective Action for Releases from Solid Waste Management Units Advance Notice of Proposed Rulemaking, 61 F.R. 19432 (May 1, 1996), and the Interim Guidance on Financial Assurance for Facilities Subject to RCRA Corrective Action (U.S. EPA, September 30, 2003), or other guidance that may be available at the time, shall be used as guidance. The financial assurance provisions of the Corrective Action for Solid Waste Management Units at Hazardous

Waste Management Facilities, 55 F.R. 30798 (July 27, 1990) may be used as secondary guidance at Ecology's discretion. Acceptable mechanisms include trust funds, surety bonds guaranteeing performance, letters of credit, insurance, the financial test, and corporate guarantee, or another instrument if Univar demonstrates to Ecology's satisfaction that another instrument provides an acceptable level of financial assurance. Univar shall provide Ecology's project coordinator and Ecology's financial assurance officer with documentation of this financial assurance within sixty (60) days of Ecology's issuance of this Order. If PLP is under an existing obligation to maintain financial assurance, Univar shall maintain such assurance until the conditions of this paragraph are satisfied.

The date on which original financial assurance documentation is received by Ecology's financial assurance officer is the "Financial Assurance Anniversary Date" of this Order.

2. Univar shall adjust the financial assurance coverage and provide Ecology's project coordinator and Ecology's financial assurance officer with documentation of the updated financial assurance for:

(a) Inflation, annually, within thirty (30) days of the Financial Assurance Anniversary Date, as defined above; or if applicable, the modified Financial Assurance Date, as set forth in paragraph (b) below; or if applicable, ninety (90) days after the close of Univar's fiscal year if the financial test or corporate guarantee is used.

(b) Changes in cost estimates, which shall be submitted to Ecology within thirty (30) days of Ecology's issuance of a Modified Order. Within sixty (60) days of Ecology's approval of the change in cost estimate, Univar shall adjust the financial assurance coverage and provide Ecology's project coordinator and Ecology's financial assurance officer with documentation of the updated financial assurance. The receipt of the updated financial assurance documents modifies the Financial Assurance Anniversary Date accordingly.

3. Univar shall notify Ecology's project coordinator and Ecology's financial assurance officer by certified mail of the commencement of a voluntary or involuntary

bankruptcy proceeding that names Univar as debtor, within ten (10) days after commencement of the proceeding. A guarantor of a corporate guarantee must make such a notification if he is named as debtor as required under the terms of the corporate guarantee.

Once Univar has established financial assurance for corrective action with an acceptable mechanism, as described above, Univar will be deemed to be without the required financial assurance:

(a) In the event of bankruptcy of the trustee or issuing institution;

(b) If the authority of the trustee institution to act as trustee has been suspended or revoked; or

(c) In the event the authority of the institution issuing the surety bond, letter of credit, or insurance policy has been suspended or revoked.

In the event of bankruptcy of the trustee or a suspension or revocation of the authority of the trustee institution to act as a trustee, Univar must establish financial assurance by any means specified in WAC 173-303-620 or other financial assurance instrument as approved by Ecology within sixty (60) days after such an event.

4. Ecology's financial assurance officer is:

Name:	Kimberly Goetz
Address:	Washington State Department of Ecology P.O. Box 47600 Olympia, WA 98504-7600
Telephone:	(360) 407-6754
FAX:	(360) 407-6715
E-mail:	kgoe461@ecy.wa.gov

S. Periodic Review

As remedial action, including ground water monitoring, continues at the Facility, the Parties agree to review the progress of remedial action at the Facility, and to review the data accumulated as a result of monitoring the Facility as often as is necessary and appropriate under the circumstances. At least every five (5) years after the initiation of cleanup action at the Facility, the Parties shall meet to discuss the status of the Facility and the need, if any, for further remedial action at the Facility. Ecology reserves the right to require further remedial action at

the Facility under appropriate circumstances. This provision shall remain in effect for the duration of this Order.

T. Indemnification

Univar agrees to indemnify and save and hold the State of Washington, its employees, and agents harmless from any and all claims or causes of action for death or injuries to persons or for loss or damage to property arising from or on account of acts or omissions of Univar, its officers, employees, agents, or contractors in entering into and implementing this Order. However, Univar shall not indemnify the State of Washington nor save nor hold its employees and agents harmless from any claims or causes of action to the extent arising out of the negligent acts or omissions of the State of Washington, or the employees or agents of the State, in entering into or implementing this Order.

IX. SATISFACTION OF ORDER

The provisions of this Order shall be deemed satisfied upon Univar's receipt of written notification from Ecology that Univar has completed the corrective actions required by this Order, as amended by any modifications, and that Univar has complied with all other provisions of this Order.

X. ENFORCEMENT

Pursuant to RCW 70.105D.050, this Order may be enforced as follows:

A. The Attorney General may bring an action to enforce this Order in a state or federal court.

B. The Attorney General may seek, by filing an action, if necessary, to recover amounts spent by Ecology for investigative and remedial actions and orders related to the Facility.

C. In the event Univar refuses, without sufficient cause, to comply with any term of this Order, Univar will be liable for:

1. Up to three (3) times the amount of any costs incurred by the State of Washington as a result of its refusal to comply; and

2. Civil penalties of up to twenty-five thousand dollars ($25,000) per day for each day it refuses to comply.

D. This Order is not appealable to the Washington Pollution Control Hearings Board. This Order may be reviewed only as provided under RCW 70.105D.060.

Effective date of this Order: November 20, 2008

UNIVAR USA INC.

JAMES P. HOOPER, Director
Environmental Affairs
Univar USA Inc.
(630) 761-0486

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

JULIE SELLICK, Section Manager
Hazardous Waste & Toxics Reduction Program
Northwest Regional Office
(425) 649-7053

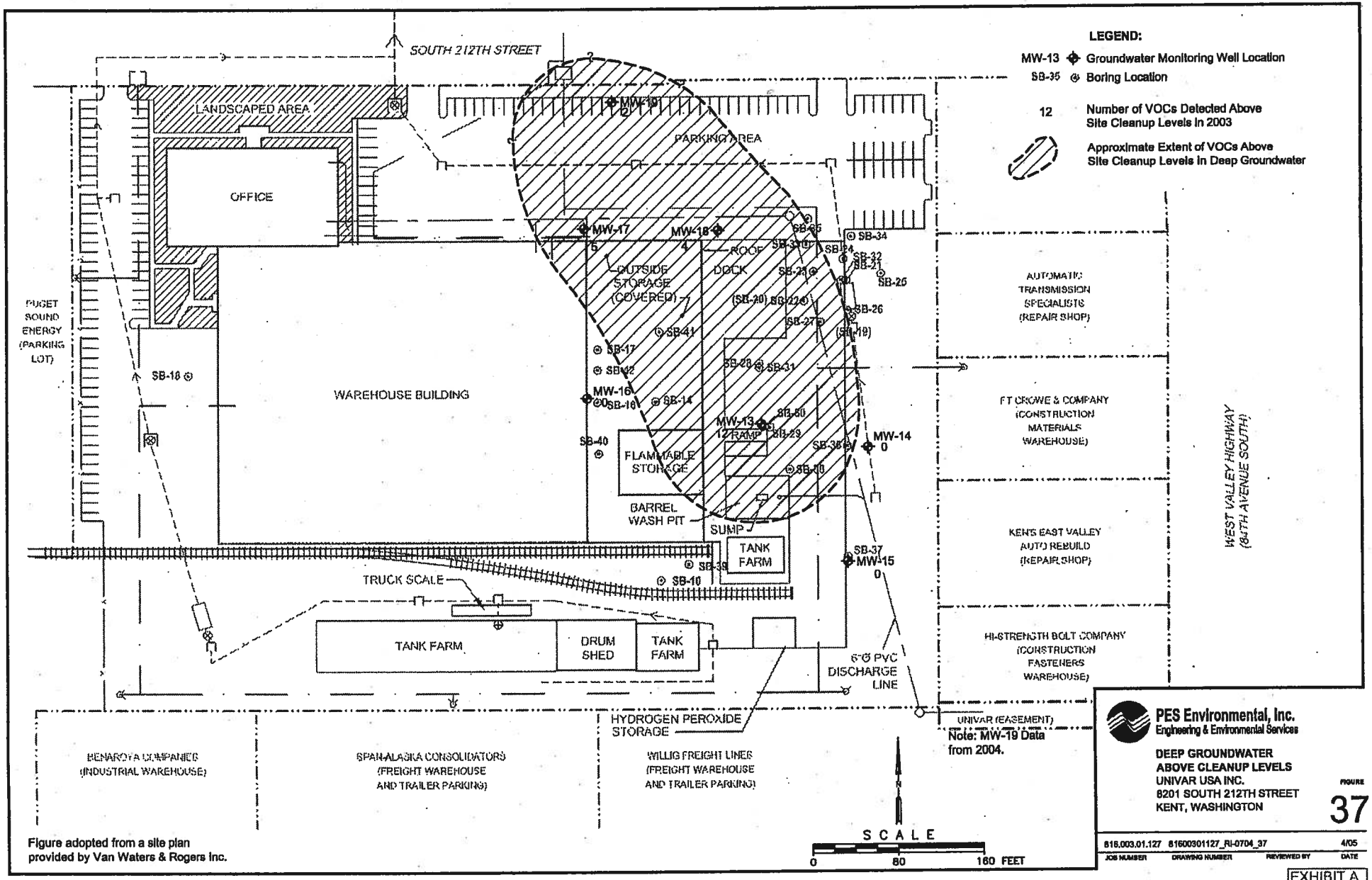

LEGEND:
MW-13 Groundwater Monitoring Well Location
SB-35 Boring Location
12 Number of VOCs Detected Above Site Cleanup Levels In 2003
Approximate Extent of VOCs Above Site Cleanup Levels In Deep Groundwater
SOUTH 212TH STREET
LANDSCAPED AREA
PARKING AREA
OFFICE
PUGET SOUND ENERGY (PARKING LOT)
WAREHOUSE BUILDING
OUTSIDE STORAGE (COVERED)
ROOF DOCK
FLAMMABLE STORAGE
BARREL WASH PIT
SUMP
TANK FARM
TRUCK SCALE
TANK FARM
DRUM SHED
TANK FARM
6"Ø PVC DISCHARGE LINE
HYDROGEN PEROXIDE STORAGE
AUTOMATIC TRANSMISSION SPECIALISTS (REPAIR SHOP)
FT CROWE & COMPANY (CONSTRUCTION MATERIALS WAREHOUSE)
KENS EAST VALLEY AUTO REBUILD (REPAIR SHOP)
HI-STRENGTH BOLT COMPANY (CONSTRUCTION FASTENERS WAREHOUSE)
WEST VALLEY HIGHWAY (84TH AVENUE SOUTH)
UNIVAR (EASEMENT)
BENAROYA COMPANIES (INDUSTRIAL WAREHOUSE)
SPAN-ALASKA CONSOLIDATORS (FREIGHT WAREHOUSE AND TRAILER PARKING)
WILLIG FREIGHT LINES (FREIGHT WAREHOUSE AND TRAILER PARKING)
MW-17 5
MW-18 4
MW-16 20
MW-13 12
MW-14 0
MW-15 0
MW-19 2
SB-10
SB-11
SB-12
SB-13
SB-14
SB-16
SB-17
SB-18
SB-20
SB-21
SB-22
SB-23
SB-24
SB-25
SB-26
SB-27
SB-28
SB-29
SB-30
SB-31
SB-32
SB-33
SB-34
SB-35
SB-36
SB-37
SB-38
SB-40
SB-41
SB-42
Note: MW-19 Data from 2004.
SCALE
0 80 160 FEET
N
Figure adopted from a site plan provided by Van Waters & Rogers Inc.
PES Environmental, Inc.
Engineering & Environmental Services
DEEP GROUNDWATER ABOVE CLEANUP LEVELS
UNIVAR USA INC.
8201 SOUTH 212TH STREET
KENT, WASHINGTON
FIGURE 37
515.003.01.127 51600301127_RI-0704_37 4/05
JOB NUMBER DRAWING NUMBER REVIEWED BY DATE
EXHIBIT A

Exhibit B

SCOPE OF WORK

This Scope of Work provides the tasks to be conducted pursuant to Section VII of the Agreed Order.

Task 1: Remedial Investigation, Focused Feasibility Study Addendum and Draft Cleanup Action Plan (RI/FFSA/DCAP)

Univar shall complete and submit for review and approval a Remedial Investigation, Feasibility Study and Draft Cleanup Action Plan (RI/FFSA/DCAP). The RI/FFSA/DCAP shall include the results of recent off-property groundwater sampling and analysis that have been conducted in an attempt to finalize the site remedial investigation. Following Ecology review and comment, Univar shall revise the RI/FFSA/DCAP in accordance with the schedule established in Exhibit C.

The FFS portion of the report shall include a comparison of potential cleanup action alternatives and shall be consistent with WAC 173-340-350(8), -350(9), -355, -360, and -370 and include, at a minimum, the following information:

1. Results of the previous pilot study and/or treatability studies. These may be summarized and any documents/reports referenced as appropriate.

2. An initial screening of alternatives to reduce the number of alternatives for the final detailed evaluation.

3. A reasonable number and type of alternatives shall be evaluated, taking into account the characteristics and complexity of the facility, including current site conditions and physical constraints.

4. Evaluate the expected cost and performance aspects of each alternative.

5. Include proposed cleanup levels (in table form) from the 2005 RI Report for evaluative purposes.

6. Identify a preferred cleanup action.

7. For the preferred cleanup action:

    a. Estimate the likely future nature and extent of contamination.

b. Assess both onsite and offsite plume migration.

c. Estimate a remediation timeframe.

d. Clearly present/discuss any assumptions or site-specific information used in (a) through (c) above, such as:

i. expected residual contaminants of concern in source areas and down gradient

ii. chemical degradation rates

iii. sorption potential

iv. aquifer total/effective porosity

v. aquifer horizontal and vertical hydraulic conductivity

vi. groundwater flow rates

e. Include a sensitivity analysis and a discussion of uncertainties, including:

i. assessment of existing data quality

ii. the conservativeness of critical assumptions

iii. conclusions about how accurately the information represents true site conditions

8. Any Monitored Natural Attenuation proposal shall also follow applicable EPA guidance[2] and Ecology requirements (WAC 173-340-370(7)).

9. Any remediation levels proposed as part of the preferred cleanup action shall be consistent with WAC 173-340-355.

The DCAP portion of the report shall be consistent with Ecology approved remedial alternative(s) and include:

1. Elements identified in WAC 173-340-380(1)

2. A declaration, with rationale, that the proposed cleanup action will meet WAC 173-340-370 *Expectations for cleanup action alternatives*.

---

[2] Technical Protocol for Evaluating Natural Attenuation of Chlorinated Solvents in Ground Water, EPA/600R/R-98/128.

3. A declaration, with rationale, that the proposed cleanup action will comply with all pertinent requirements contained in WAC 173-340-360, *Selection of cleanup actions*.

4. A description of any post-CAP activities and documents likely needed to implement, operate, and maintain the action, and monitor its performance.

Task 2: Groundwater monitoring plan

Univar shall prepare and submit for review and approval a groundwater monitoring plan (GWMP) in accordance with the schedule established in Exhibit C. Elements of the GWMP may include the existing (though not previously formally approved by Ecology) groundwater monitoring program. It is anticipated that the GWMP shall also be used to monitor the cleanup action for both short and long term effectiveness. The GWMP shall comply with requirements in: WAC 173-340-820 *Sampling and analysis plans*; WAC 173-340-830 *Analytical procedures*; WAC 173-340-840 *General submittal requirements;* and WAC 173-340-410 *Compliance monitoring requirements*. The groundwater monitoring plan shall include:

1. Figure(s) identifying the locations of all existing monitoring wells/points.

2. Figure(s) identifying the locations of monitoring wells included in the GWMP, if different than above.

3. Standard operating procedures (SOPs) for logging, purging, stabilization data, sampling, water levels, groundwater pump inlet locations with respect to well screen elevations, well-decommissioning, etc.

4. A discussion of field records associated with monitoring.

5. For wells located on property not owned or controlled by Univar, a discussion of access considerations, contact information and procedures.

6. Descriptions of monitoring well construction and well logs. References may be used provided the information is readily available to the department.

7. Analysis methods must achieve reporting limits below the appropriate groundwater cleanup levels.

8. A quality assurance project plan (see Task 2a).

9. A site safety and health plan (see Task 2b) conforming to WAC 173-340-810.

Following Ecology approval of the GWMP, Univar shall continue monitoring all wells unless revisions are approved in writing by Ecology. Revisions may be proposed by Ecology or Univar, shall be confirmed in writing by Ecology, and shall not warrant public comment.

Task 2a: Quality assurance project plan (QAPP)

Univar shall prepare and submit for review and approval a quality assurance project plan (QAPP) in accordance with the Ecology's Guidelines and Specifications for Preparing Quality Assurance Project Plans for Environmental Studies, Publication No. 04-03-030, July 2004.

Task 2b: Site safety and health plan

Univar shall prepare and submit for review and approval a site safety and health plan in accordance with WAC 173-340-810.

Task 3: Groundwater monitoring reports

Univar shall prepare and submit for review and approval groundwater monitoring reports on an annual basis. The groundwater monitoring reports shall include at a minimum:

1. An overview of current status, identify significant results and data trends, etc.

2. Descriptions of any problems, how problems were rectified, deviations from the work plans and an explanation for deviations.

3. Water level contour maps using data from all groundwater monitoring wells sampled during each sampling event.

4. Tabulated contaminant of concern concentrations and water table elevation data from the previous years sample events as well as historical contaminant concentrations and water table elevations for all previous sampling events. Tables should note groundwater cleanup levels, and other State and Federal applicable, relevant, and appropriate requirements, for reference.

5. Iso-concentration maps for contaminants of concern, including an isopleth of the appropriate cleanup level.

6. Copies of all laboratory analytical data sheets.

7. Chain of custody forms.

8. Field Activity Logs.

9. Narrative discussion of data validation and a description of all data qualified or rejected.

10. Submitted in compliance with WAC 173-340-820, WAC 173-340-830, WAC 173-340-840.

Ecology or Univar may request changes in the frequency or content of monitoring reports. Changes must be confirmed in writing by Ecology, and shall not warrant public comment.

Task 4: Cleanup progress reports

Univar shall submit quarterly progress reports to provide summaries of recent work conducted under the order. Univar shall, at a minimum, describe the following in each progress report.

1. All work conducted pursuant to the order during the calendar quarter since the last progress report.

2. Occurrence of any problems, how problems were rectified, deviations from the work plans and an explanation for all deviations.

3. Summaries of significant findings, changes in personnel, and summaries of contacts with all federal, state, and local community, and public interest groups.

4. Projected work to occur in the upcoming quarter.

Ecology or Univar may request changes in the frequency or content of progress reports. Changes must be confirmed in writing by Ecology, and shall not warrant public comment.

Exhibit C

SCHEDULE OF DELIVERABLES

Task	Deliverable	Due Date
1	• First draft of RI/FFSA/DCAP • RevisedRI/FFSA/DCAP, including any subsequent revisions	• Submit within 30 calendar days after effective date of agreed order. • Submit revised report(s) within 45-calendar days after receiving Ecology written comments.
2	Groundwater monitoring plan, including	
2a	• Quality assurance project plan	• Submit within 90 calendar days after effective date of agreed order
2b	• Site safety and health plan	• Submit within 90 calendar days after effective date of agreed order • Submit revised plan(s) within 45 calendar days of receipt of Ecology written comments.
3	Annual groundwater monitoring reports	• Submit by March 1 for data from preceding year.
4	Quarterly remedial action progress reports	• Submit within 60 days of the end of the previous calendar quarter.

Appendix B

Environmental Covenant

Instrument Number: 20220802000714 Document:COV Rec: $216.50 Page-1 of 14
Record Date:8/2/2022 3:23 PM
Electronically Recorded King County, WA

After Recording Return
Original Signed Covenant to:
Valerie Cramer
Hazardous Waste and Toxic
Reduction Program
Department of Ecology
15700 Dayton Avenue North
Shoreline WA, 98133

ENVIRONMENTAL COVENANT

Grantor:	Univar Solutions USA Inc.
Grantee:	State of Washington, Department of Ecology
Brief Legal Description:	Portion of N ½ of SE ¼ of NE ¼ of Section 12, Township 22 N, Range 4 E, W.M.
Tax Parcel No:	1222049053
Cross Reference:	N/A

RECITALS

a. This document is an environmental (restrictive) covenant (hereafter "Covenant") executed pursuant to the Model Toxics Control Act ("MTCA"), chapter 70A.305 RCW, and Uniform Environmental Covenants Act ("UECA"), chapter 64.70 RCW.

b. The property that is the subject of this Covenant is part of a site commonly known as the Univar USA Inc. Kent Site located at 8201 South 212th Street, in Kent, Washington (WAD 067 548 966). The property consists of Parcel A of King County Parcel No. 1222049053 and is legally described in Exhibit A and illustrated on Exhibit B, both of which are attached (hereafter "Property"). If there are differences between these two exhibits, the legal description in Exhibit A shall prevail. The Property does not include Parcel B of King County Parcel No. 1222049053.

c. The Property is the subject of remedial action conducted under MTCA. This Covenant is required because residual contamination remains on the Property after completion of remedial actions. Specifically, the following principal contaminants remain on the Property:

Medium	Principal Contaminants Present
Soil	Volatile Organic Compounds: tetrachloroethene (PCE), trichloroethene (TCE), 1,1-dichloroethylene (1,1-DCE), vinyl chloride (VC), methylene chloride (MC), and benzene

Groundwater	Volatile Organic Compounds: PCE, TCE, 1,1-DCA, 1,2-dichloroethylene (1,2-DCE), cis-1,2-dichloroethylene (cDCE), VC, MC, benzene, and total xylenes

d. It is the purpose of this Covenant to restrict certain activities and uses of the Property to protect human health and the environment and the integrity of remedial actions conducted at the site. Records describing the extent of residual contamination and remedial actions conducted are available through the Washington State Department of Ecology ("Ecology") and include the following:

Date	Document Title
March 13, 2009	Revised Remedial Investigation, Focused Feasibility Study Addendum and Draft Cleanup Acton Plan Author: PES Environmental Inc.
March 5, 2010	Final Injection Test Work Plan Author: PES Environmental Inc.
October 29, 2010	Final Engineering Design Report, Final Cleanup Action Author: PES Environmental Inc.
March 12, 2012	Construction Report, Final Cleanup Action Implementation Author: PES Environmental Inc.
November 13, 2014	Technical Memorandum Evaluation of Enhanced Reductive Dechlorination Remediation Performance Author: URS
June 23, 2015	Evaluation and Recommendation Report Author: Aspect Consulting
September 27, 2016	Response to Evaluation and Recommendations Report Author: AECOM
October 18, 2018	Benzene Bioremediation Evaluation Author: AECOM
November 12, 2019	Deep Groundwater Benzene Delineation Report Author: ERM
March 8, 2021	2020 Annual Groundwater Monitoring Report Author: ERM

e. This Covenant grants Ecology certain rights under UECA and as specified in this Covenant. As a holder of this Covenant under UECA, Ecology has an interest in real property, however, this is not an ownership interest which equates to liability under MTCA or the Comprehensive Environmental Response, Compensation, and Liability Act, 42 U.S.C. § 9601 *et seq.* The rights of Ecology as an "agency" under UECA, other than its' right as a holder, are not an interest in real property.

COVENANT

Univar Solutions USA Inc., a Washington corporation, as Grantor and fee simple owner of the Property hereby grants to Ecology and its successors and assignees, as Grantee, the following covenants. Furthermore, it is the intent of Grantor that such covenants shall supersede any prior interests Grantor has in the Property and run with the land and be binding on all current and future owners of any portion of, or interest in, the Property.

Section 1. General Restrictions and Requirements.

The following general restrictions and requirements shall apply to the Property:

a. Interference with Remedial Action. Grantor shall not engage in any activity on the Property that may impact or interfere with the remedial action and any operation, maintenance, inspection or monitoring of that remedial action without prior written approval from Ecology.

b. Protection of Human Health and the Environment. Grantor shall not engage in any activity on the Property that may threaten continued protection of human health or the environment without prior written approval from Ecology. This includes, but is not limited to, any activity that results in the release of residual contamination that was contained as a part of the remedial action or that exacerbates or creates a new exposure to residual contamination remaining on the Property.

c. Continued Compliance Required. Grantor shall not convey any interest in any portion of the Property without providing for the continued adequate and complete operation, maintenance and monitoring of remedial actions and continued compliance with this Covenant.

d. Leases. Grantor shall restrict any lease for any portion of the Property to uses and activities consistent with this Covenant and notify all lessees of the restrictions on the use of the Property.

e. Preservation of Reference Monuments. Grantor shall make a good faith effort to preserve any reference monuments and boundary markers used to define the areal extent of coverage of this Covenant. Should a monument or marker be damaged or destroyed, Grantor shall have it replaced by a licensed professional surveyor within thirty (30) days after discovery of the damage or destruction.

Section 2. Specific Prohibitions and Requirements.

In addition to the general restrictions in Section 1 of this Covenant, the following additional specific restrictions and requirements shall apply to the Property.

a. Industrial Land Use. The remedial action for the Property is based on a cleanup designed for industrial property. As such, the Property shall be used in perpetuity only for industrial uses, as that term is defined in the rules promulgated under Chapter 70A.305 RCW. Prohibited uses on the Property include but are not limited to residential uses, childcare facilities, K-12 public or private schools, parks, grazing of animals, growing of food crops, and non-industrial commercial uses.

b. Containment of Soil. The remedial action for the Property is based on containing contaminated soil under a cap consisting of asphalt and concrete paved surfaces. The location of the contaminated soil and the overlying cap is illustrated on Exhibit C. The primary purposes of the cap are to prevent persons from coming into direct contact with the contaminated soil and minimize the potential for contaminants of concern to leach into groundwater. As such, the following restrictions apply within the "Restricted Area" of the Property depicted in Exhibit C:

i. Any activity on the Property that will compromise the integrity of the cap is prohibited without prior written approval by Ecology. Such activities include: drilling; digging; piercing the asphalt or concrete paved surfaces with a sampling device, post, stake or similar device; grading; excavation; installation of underground utilities; removal of the asphalt or concrete paved surfaces; or, application of loads in excess of the load bearing capacity of the asphalt or concrete paved surfaces. Grantor shall report to Ecology within forty-eight (48) hours of the discovery of any damage to the cap. Unless an alternative plan has been approved by Ecology in writing, Grantor shall promptly repair the damage and submit a report documenting this work to Ecology within thirty (30) days after completing the repairs.

ii. Grantor covenants and agrees that it shall annually, or at another time as approved in writing by Ecology, inspect the cap and report within thirty (30) days after the inspection the condition of the cap and any changes to the cap that would impair its performance.

c. **Vapor Controls.** The residual contamination on the Property includes volatile chemicals that may generate harmful vapors. As such, the following restrictions apply within the "Restricted Area" of the Property depicted in Exhibit C to minimize the potential for exposure to these vapors:

i. No building or other enclosed structure shall be constructed within the Restricted Area unless approved by Ecology.

ii. If a building or other enclosed structure is approved, it shall be constructed with a sealed foundation and a vapor control system that is operated and maintained to prevent the migration of vapors into the building or structure, unless an alternative approach is approved by Ecology.

d. **Groundwater Use.** Groundwater beneath the Property remains contaminated and shall not be extracted for any purpose other than temporary construction dewatering, investigation, monitoring or remediation. Drilling of a well for any water supply purpose is strictly prohibited. Groundwater extracted from the Property for any purpose shall be considered potentially contaminated and any discharge of this water shall be done in accordance with state and federal law.

e. **Monitoring.** Several groundwater monitoring wells are located on the Property in the locations illustrated on Exhibit C to monitor the performance of the remedial action. Grantor shall maintain clear access to these groundwater monitoring wells and protect them from damage. Grantor shall report to Ecology within forty-eight (48) hours after the discovery of any damage to any groundwater monitoring well. Unless Ecology approves of an alternative plan in writing, Grantor shall promptly repair the damage and submit a report documenting this work to Ecology within thirty (30) days after completing the repairs.

Section 3. Access.

a. Grantor shall maintain clear access to all remedial action components necessary to construct, operate, inspect, monitor and maintain the remedial action.

b. Grantor freely and voluntarily grants Ecology and its authorized representatives, upon reasonable notice, the right to enter the Property at reasonable times to evaluate the effectiveness of this Covenant and associated remedial actions, and enforce compliance with this Covenant and those actions, including the right to take samples, inspect any remedial actions conducted on the Property, and to inspect related records.

c. No right of access or use by a third party to any portion of the Property is conveyed by this Covenant.

Section 4. Notice Requirements.

a. Conveyance of Any Interest. Grantor, when conveying any title or security interest in any part of the Property, must:

i. Provide written notice to Ecology of the intended conveyance at least thirty (30) days in advance of the conveyance.

ii. Include in the conveying document a notice in substantially the following form:

> NOTICE: THIS PROPERTY IS SUBJECT TO AN ENVIRONMENTAL COVENANT GRANTED TO THE WASHINGTON STATE DEPARTMENT OF ECOLOGY ON [Date] AND RECORDED WITH THE KING COUNTY AUDITOR UNDER RECORDING NUMBER [Recording Number]. USES AND ACTIVITIES ON THIS PROPERTY MUST COMPLY WITH THAT COVENANT, A COMPLETE COPY OF WHICH IS ATTACHED TO THIS DOCUMENT.

iii. Unless otherwise agreed to in writing by Ecology, provide Ecology with a complete copy of the executed conveying document within thirty (30) days after the date of execution of such document.

b. Reporting Violations. Should Grantor become aware of any violation of this Covenant, Grantor shall promptly report such violation in writing to Ecology.

c. Emergencies. For any emergency event or significant change in site conditions due to an act of nature (for example, flood or fire) resulting in a violation of this Covenant, Grantor is authorized to respond to such an event or act of nature in accordance with state and federal law. Grantor must notify Ecology in writing of the event or act of nature and response actions planned or taken as soon as practical but no later than within twenty-four (24) hours after the discovery of the event or act of nature.

d. Notification Procedure. Any written notice, approval, report or other communication required by this Covenant shall be personally delivered or sent by first class mail to the following persons. Any change in this contact information shall be submitted in writing to all parties to this Covenant. Upon mutual agreement of the parties to this Covenant, an alternative to personal delivery or first class mail, such as e-mail or other electronic means, may be used for these communications.

To Grantor:	To Ecology:
Michelle Stayrook Remediation Manager Univar Solutions USA Inc. 6000 Parkwood Place Dublin, OH 43016 michelle.stayrook@univarsolutions.com	Environmental Covenants Coordinator Washington State Department of Ecology Toxics Cleanup Program P.O. Box 47600 Olympia, WA 98504 – 7600 ToxicsCleanupProgramHQ@ecy.wa.gov

Section 5. Modification or Termination.

a. Grantor must provide written notice and obtain approval from Ecology at least sixty (60) days in advance of any proposed activity or use of the Property in a manner that is inconsistent with this Covenant. For any proposal that is inconsistent with this Covenant and permanently modifies an activity or use restriction at the Property:

i. Ecology must issue a public notice and provide an opportunity for the public to comment on the proposal; and

ii. If Ecology approves of the proposal, this Covenant must be amended to reflect the change before the activity or use can proceed.

b. If the conditions at the Property requiring this Covenant have changed or no longer exist, then Grantor may submit a request to Ecology that this Covenant be amended or terminated. Any amendment or termination of this Covenant must follow the procedures in MTCA and UECA and any rules promulgated under these chapters.

Section 6. Enforcement and Construction.

a. This Covenant is being freely and voluntarily granted by Grantor.

b. Within ten (10) days after execution of this Covenant, Grantor shall provide Ecology with an original signed Covenant and proof of recording and a copy of this Covenant and proof of recording to others required by RCW 64.70.070.

c. Ecology shall be entitled to enforce the terms of this Covenant by resort to specific performance or legal process. All remedies available in this Covenant shall be in addition to any and all remedies at law or in equity, including MTCA and UECA. Enforcement of the terms of this Covenant shall be at the discretion of Ecology, and any forbearance, delay or omission to exercise its rights under this Covenant in the event of a breach of any term of this Covenant is not a waiver by Ecology of that term or of any subsequent breach of that term, or any other term in this Covenant, or of any rights of Ecology under this Covenant.

d. Grantor shall be responsible for all costs associated with implementation of this Covenant. Furthermore, Grantor, upon request by Ecology, shall be obligated to pay for Ecology's costs to process a request for any modification or termination of this Covenant and any approval required by this Covenant.

e. This Covenant shall be liberally construed to meet the intent of MTCA and UECA.

f. The provisions of this Covenant shall be severable. If any provision in this Covenant or its application to any person or circumstance is held invalid, the remainder of this Covenant or its application to any person or circumstance is not affected and shall continue in full force and effect as though such void provision had not been contained herein.

g. A heading used at the beginning of any section or paragraph or exhibit of this Covenant may be used to aid in the interpretation of that section or paragraph or exhibit but does not override the specific requirements in that section or paragraph.

The undersigned Grantor warrants it holds the title to the Property and has authority to execute this Covenant.

GRANTOR:

UNIVAR SOLUTIONS USA INC.
a Washington corporation

Signature: _____

Printed Name: Noelle J. Perkins

Title: SVP, General Counsel & Secretary

Dated: July 26, 2022

STATE OF Illinois

COUNTY OF DuPage

On this 26th day of July, 2022, I certify that Noelle Perkins personally appeared before me, acknowledged that he/she is the SVP/GC of UNIVAR SOLUTIONS USA INC., the corporation that executed the within and foregoing instrument, and signed said instrument by free and voluntary act and deed, for the uses and purposes therein mentioned, and on oath stated that he/she was authorized to execute said instrument for said corporation.

_____
Notary Public in and for the State of ~~Washington~~ Illinois
Residing at 706 S. Spruce Hillside IL 60162
My appointment expires: 3-25-2023

OFFICIAL SEAL
GAVIN T MULDOWNEY
NOTARY PUBLIC - STATE OF ILLINOIS
MY COMMISSION EXPIRES:03/25/23

The Department of Ecology hereby accepts the status as Grantee and holder of this Covenant.

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

Signature: _____

Printed Name: Raman Iyer

Title: Section Manager, Hazardous Waste and Toxics Reduction Program, Northwest Region

Dated: JULY 20TH, 2022

STATE OF WASHINGTON

COUNTY OF KING

On this 20th day of July, 2022, I certify that Raman Iyer personally appeared before me, acknowledged that he is the Section Manager of the Hazardous Waste and Toxics Reduction Program of the WASHINGTON STATE DEPARTMENT OF ECOLOGY, the state agency that executed the within and foregoing instrument, and signed said instrument by free and voluntary act and deed, for the uses and purposes therein mentioned, and on oath stated that he was authorized to execute said instrument for said state agency.

_____
Notary Public in and for the State of Washington
Residing at 1527 N. 107th St. Seattle WA 98133
My appointment expires: March 15, 2023

VIVIAN M PEREZ
Notary Public
State of Washington
Commission # 137737
My Comm. Expires Mar 15, 2023

EXHIBIT A

Legal Description of Property

THE SOUTH 30 FEET OF THAT PORTION OF THE NORTH HALF OF THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER OF SECTION 12, TOWNSHIP 22 NORTH, RANGE 4 EAST W.M., IN KING COUNTY, WASHINGTON, LYING EASTERLY OF THE FOLLOWING DESCRIBED LINE:

BEGINNING AT A POINT 256.75 FEET WEST OF THE NORTHEAST CORNER OF SAID SUBDIVISION;
THENCE SOUTH, PARALLEL WITH THE EAST LINE OF SAID SUBDIVISION, 198 FEET;
THENCE EAST PARALLEL WITH THE NORTH LINE OF SAID SUBDIVISION 71 FEET;
THENCE SOUTH, PARALLEL WITH THE EAST LINE OF SAID SUBDIVISION, 288.20 FEET;
THENCE WEST, PARALLEL WITH THE NORTH LINE OF SAID SUBDIVISION, 71 FEET;
THENCE SOUTH, PARALLEL WITH THE EAST LINE OF SAID SUBDIVISION, TO A POINT ON THE SOUTH LINE OF SAID SUBDIVISION;

EXCEPT THE NORTH 198 FEET;

ALSO EXCEPT THE SOUTH 15 FEET;

AND EXCEPT THE EAST 42 FEET THEREOF;

AND ALSO EXCEPT THE WEST 8 FEET OF THE EAST 50 FEET OF THE NORTH 15 FEET OF THE SOUTH 30 FEET OF THE NORTH HALF OF THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER OF SECTION 12, TOWNSHIP 22 NORTH, RANGE 4 EAST W.M., CONVEYED TO THE CITY OF KENT BY DEED RECORDED DECEMBER 06, 2007 UNDER RECORDING NO. 20071206000791;

TOGETHER WITH THE NORTH HALF OF THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER, AND THE EAST 20.5 FEET OF THE NORTH HALF OF THE SOUTHWEST QUARTER OF THE NORTHEAST QUARTER OF SECTION 12, TOWNSHIP 22 NORTH, RANGE 4 EAST, W.M.;

EXCEPT THE SOUTH 15 FEET THEREOF;

ALSO EXCEPT THAT PORTION THEREOF LYING WITHIN SOUTH 212TH STREET;

AND EXCEPT THAT PORTION THEREOF CONDEMNED BY KING COUNTY SUPERIOR COURT CAUSE NO. 693116;

AND ALSO EXCEPT THE SOUTH 2.00 FEET OF THE NORTH 57.00 FEET OF THE EAST 300.00 FEET OF THE WEST 562.63 FEET OF THAT PORTION OF THE NORTH HALF OF THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER OF AFORESAID SECTION 12, LYING SOUTHERLY OF THE CENTERLINE OF SOUTH 212TH STREET

(O'BRIEN-DES MOINES ROAD, PERMANENT HIGHWAY NO. 24, ALSO KNOWN AS COUNTY ROAD NO. 22,) ACCORDING TO RECORD OF SURVEY THEREOF PREPARED BY THE CITY OF KENT AND FILED FOR RECORD IN BOOK 101 OF SURVEYS, PAGE 200, AND RECORDED DECEMBER 29, 1994 UNDER RECORDING NO. 9412299003, AS CONVEYED TO THE CITY OF KENT BY DEED RECORDED MAY 23, 1995 UNDER RECORDING NO. 9505231974;

AND ALSO EXCEPT THAT PORTION THEREOF, LYING EASTERLY OF A LINE DESCRIBED AS FOLLOWS:

BEGINNING ON THE NORTH LINE OF SAID SUBDIVISION AT A POINT 256.75 FEET WEST OF THE NORTHEAST CORNER THEREOF;
THENCE SOUTH, PARALLEL WITH THE EAST LINE OF SAID SUBDIVISION, TO THE SOUTH LINE OF THE ABOVE DESCRIBED PROPERTY;

AND ALSO EXCEPT THAT PORTION OF THE NORTH HALF OF THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER AND THE EAST 20.5 FEET OF THE NORTH HALF OF SOUTHWEST QUARTER OF THE NORTHEAST QUARTER OF AFORESAID SECTION 12, DESCRIBED AS FOLLOWS:

BEGINNING AT THE NORTHWEST CORNER OF THE ABOVE DESCRIBED PARCEL, SAID POINT BEING ON THE SOUTH LINE OF SOUTH 212TH STREET AND 20.5 FEET WEST OF THE WEST LINE OF THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER OF AFORESAID SECTION 12,
THENCE SOUTH 1°051'48" WEST, PARALLEL TO SAID WEST LINE, 427.23 FEET;
THENCE SOUTH 85°19'30" EAST, 283.13 FEET;
THENCE NORTH 1°05'48" EAST, 430.70 FEET TO THE SOUTH LINE OF SOUTH 212TH STREET;
THENCE NORTH 89°19'30" EAST, ALONG SAID SOUTH RIGHT-OF-WAY LINE, 119.00 FEET;
THENCE SOUTH 0°59'O2" WEST, 5.00 FEET;
THENCE NORTH 89°00'58" WEST, ALONG SAID SOUTH LINE OF SOUTH 212TH STREET, 164.13 FEET TO THE POINT OF BEGINNING, AS CONVEYED TO THE PUGET SOUND POWER AND LIGHT COMPANY BY DEED RECORDED MARCH 05, 1987 UNDER RECORDING NO. 8703051299.

EXHIBIT B

Figure Depicting Property

[See Attached]

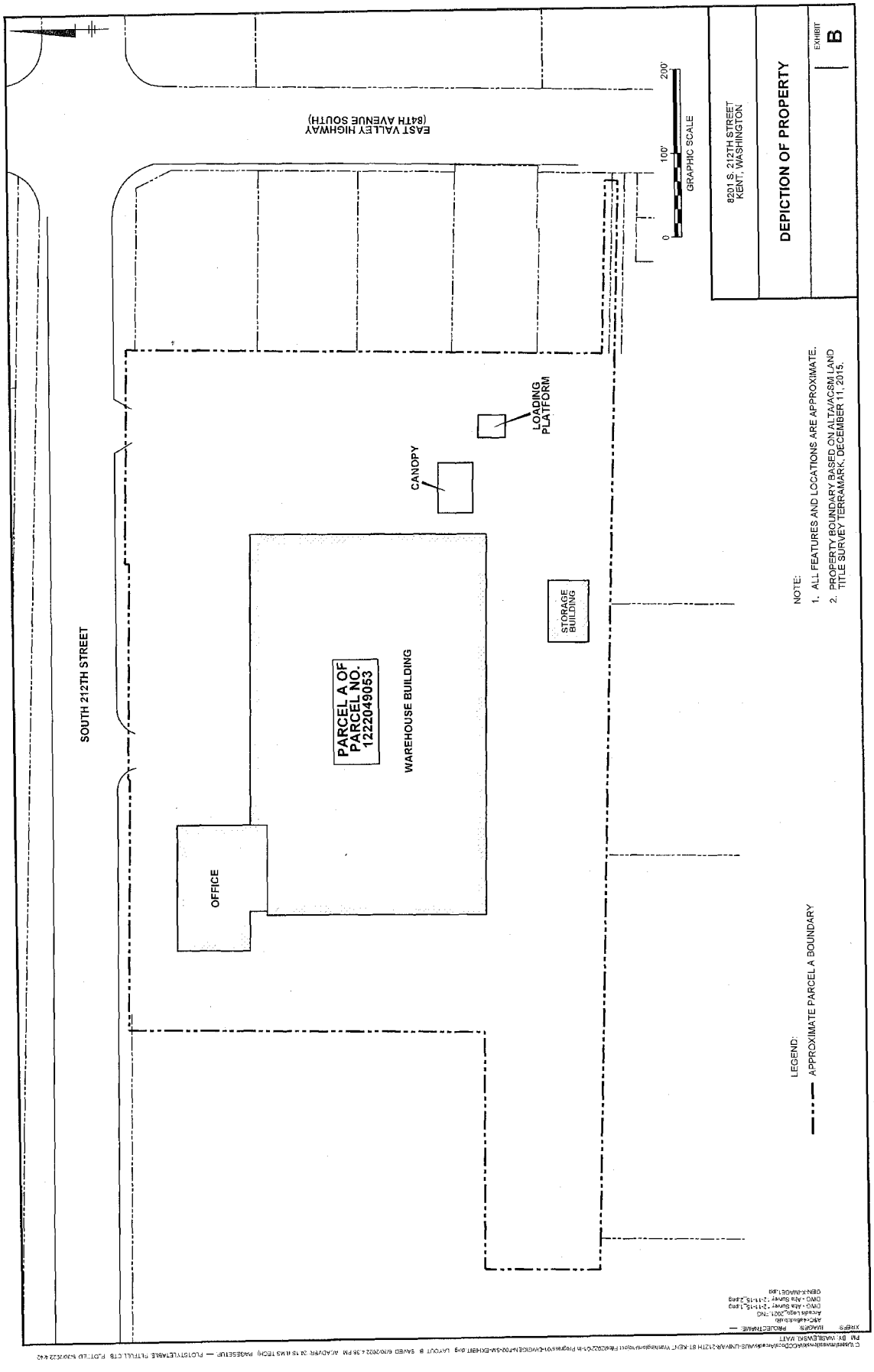
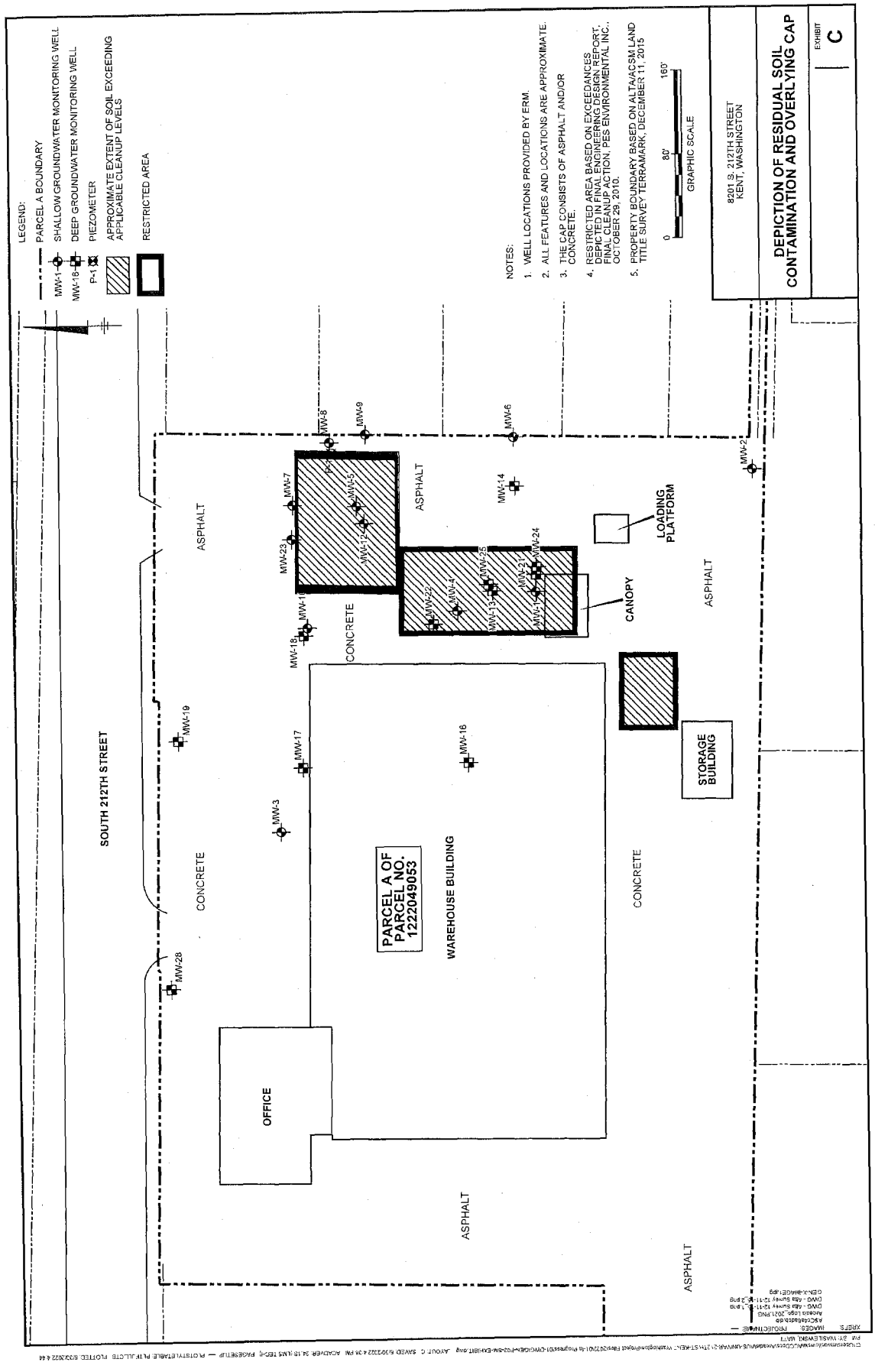


EXHIBIT B
DEPICTION OF PROPERTY
8201 S. 212TH STREET
KENT, WASHINGTON
GRAPHIC SCALE
0
100'
200'
EAST VALLEY HIGHWAY
(84TH AVENUE SOUTH)
SOUTH 212TH STREET
LOADING PLATFORM
CANOPY
STORAGE BUILDING
PARCEL A OF PARCEL NO. 1222049053
WAREHOUSE BUILDING
OFFICE
NOTE:
1. ALL FEATURES AND LOCATIONS ARE APPROXIMATE.
2. PROPERTY BOUNDARY BASED ON ALTA/ACSM LAND TITLE SURVEY TERRAMARK, DECEMBER 11, 2015.
LEGEND:
APPROXIMATE PARCEL A BOUNDARY

EXHIBIT C

Figure Depicting Residual Soil Contamination, Overlying Cap, and Groundwater Monitoring Wells

[See Attached]


LEGEND:
PARCEL A BOUNDARY
SHALLOW GROUNDWATER MONITORING WELL
DEEP GROUNDWATER MONITORING WELL
PIEZOMETER
APPROXIMATE EXTENT OF SOIL EXCEEDING APPLICABLE CLEANUP LEVELS
RESTRICTED AREA
NOTES:
1. WELL LOCATIONS PROVIDED BY ERM.
2. ALL FEATURES AND LOCATIONS ARE APPROXIMATE.
3. THE CAP CONSISTS OF ASPHALT AND/OR CONCRETE.
4. RESTRICTED AREA BASED ON EXCEEDANCES DEPICTED IN FINAL ENGINEERING DESIGN REPORT, FINAL CLEANUP ACTION, PES ENVIRONMENTAL INC., OCTOBER 29, 2010.
5. PROPERTY BOUNDARY BASED ON ALTA/ACSM LAND TITLE SURVEY TERRAMARK, DECEMBER 11, 2015
0
80'
160'
GRAPHIC SCALE
8201 S. 212TH STREET
KENT, WASHINGTON
DEPICTION OF RESIDUAL SOIL CONTAMINATION AND OVERLYING CAP
EXHIBIT
C
SOUTH 212TH STREET
PARCEL A OF PARCEL NO. 1222049053
WAREHOUSE BUILDING
OFFICE
STORAGE BUILDING
LOADING PLATFORM
CANOPY
ASPHALT
CONCRETE
MW-1
MW-2
MW-3
MW-4
MW-5
MW-6
MW-7
MW-8
MW-9
MW-10
MW-11
MW-12
MW-13
MW-14
MW-15
MW-16
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MW-18
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MW-23
MW-24
MW-25
MW-28

Appendix C

Groundwater Laboratory Analytical Reports and Chain-of-Custody Documentation

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Univar

AGMORP: Univar; 8201 S 212th St, Kent, WA

30134763.700

SGS Job Number: FA96864

Sampling Date: 06/23/22

Report to:

Arcadis U.S., Inc.
111 SW Columbia Street Suite 670
Portland, OR 97201
carl.donovan@arcadis.com; Grace.Boyd@arcadis.com;
Melissa.Caldwell@arcadis.com
ATTN: Carl Donovan

Total number of pages in report: **102**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Norm Farmer
Technical Director

Client Service contact: Elvin Kumar 407-425-6700

Certifications: FL(E83510), LA(03051), KS(E-10327), NC(573), NJ(FL002), NY(12022), SC(96038001) DoD ELAP(ANAB L2229), AZ(AZ0806), CA(2937), TX(T104704404), PA(68-03573), VA(460177), AL, AK, AR, CT, IA, KY, MA, MI. MS, ND, NH, NV, OK, OR, IL, UT, VT, WA, WI, WV

Table of Contents

SGS North America Inc.

Sample Summary

Univar

Job No: FA96864

AGMORP: Univar; 8201 S 212th St, Kent, WA
Project No: 30134763.700

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
This report contains results reported as ND = Not detected. The following applies:							
Organics ND = Not detected above the MDL							
FA96864-1	06/23/22	12:58	JDCM	06/25/22	AQ	Ground Water	MW-1-20220623
FA96864-2	06/23/22	13:07	JDCM	06/25/22	AQ	Ground Water	MW-2-20220623
FA96864-3	06/23/22	15:49	JDCM	06/25/22	AQ	Ground Water	MW-3-20220623
FA96864-4	06/23/22	11:38	JDCM	06/25/22	AQ	Ground Water	MW-4-20220623
FA96864-5	06/23/22	11:10	JDCM	06/25/22	AQ	Ground Water	MW-5-20220623
FA96864-6	06/23/22	12:39	JDCM	06/25/22	AQ	Ground Water	MW-6-20220623
FA96864-7	06/23/22	14:27	JDCM	06/25/22	AQ	Ground Water	MW-7-20220623
FA96864-8	06/23/22	11:12	JDCM	06/25/22	AQ	Ground Water	MW-8-20220623
FA96864-9	06/23/22	11:41	JDCM	06/25/22	AQ	Ground Water	MW-9-20220623
FA96864-10	06/23/22	15:15	JDCM	06/25/22	AQ	Ground Water	MW-10-20220623
FA96864-11	06/23/22	10:43	JDCM	06/25/22	AQ	Ground Water	MW-12-20220623
FA96864-12	06/23/22	14:53	JDCM	06/25/22	AQ	Ground Water	MW-23-20220623

Sample Summary
(continued)

Univar

Job No: FA96864

AGMORP: Univar; 8201 S 212th St, Kent, WA
Project No: 30134763.700

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FA96864-13	06/23/22	12:32	JDCM	06/25/22	AQ	Ground Water	MW-13-20220623
FA96864-14	06/23/22	12:13	JDCM	06/25/22	AQ	Ground Water	MW-14-20220623
FA96864-15	06/23/22	13:38	JDCM	06/25/22	AQ	Ground Water	MW-16-20220623
FA96864-16	06/23/22	15:47	JDCM	06/25/22	AQ	Ground Water	MW-17-20220623
FA96864-17	06/23/22	14:47	JDCM	06/25/22	AQ	Ground Water	MW-18-20220623
FA96864-18	06/23/22	15:23	JDCM	06/25/22	AQ	Ground Water	MW-19-20220623
FA96864-19	06/23/22	13:25	JDCM	06/25/22	AQ	Ground Water	MW-21-20220623
FA96864-20	06/23/22	14:17	JDCM	06/25/22	AQ	Ground Water	MW-22-20220623
FA96864-21	06/23/22	13:53	JDCM	06/25/22	AQ	Ground Water	MW-24-20220623
FA96864-22	06/23/22	12:06	JDCM	06/25/22	AQ	Ground Water	MW-25-20220623
FA96864-23	06/23/22	10:47	JDCM	06/25/22	AQ	Ground Water	P-1-20220623
FA96864-24	06/23/22	12:00	JDCM	06/25/22	AQ	Ground Water	DUP-1-20220623
FA96864-25	06/23/22	09:00	JDCM	06/25/22	AQ	Trip Blank Water	TB-1-20220623

Sample Summary
(continued)

Univar

Job No: FA96864

AGMORP: Univar; 8201 S 212th St, Kent, WA
Project No: 30134763.700

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FA96864-26	06/23/22	08:00	JDCM	06/25/22	AQ	Trip Blank Water	TB-2-20220623

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Univar **Job No:** FA96864

Site: AGMORP: Univar; 8201 S 212th St, Kent, WA **Report Date:** 7/26/2022 4:08:42 PM

On 06/25/2022, 24 Sample(s), 2 Trip Blank(s) and 0 Field Blank(s) were received at SGS North America Inc - Orlando. at a maximum corrected temperature of 5 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. - Orlando Job Number of FA96864 was assigned to the project.

Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section. Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

MS Volatiles By Method SW846 8260D

Matrix: AQ **Batch ID:** VA3179

Sample(s) FA96864-19MS, FA96864-19MSD were used as the QC samples indicated.

Sample(s) FA96864-1, FA96864-10, FA96864-11, FA96864-12, FA96864-13, FA96864-14, FA96864-15, FA96864-16, FA96864-17, FA96864-18, FA96864-2, FA96864-3, FA96864-4, FA96864-7, FA96864-8, FA96864-9 have compound(s) reported with a "B" qualifier, indicating analyte is found in the associated method blank.

Blank Spike Recovery(s) for 1,3-Dichloropropane, Bromobenzene, Dibromochloromethane, n-Butylbenzene, Styrene are outside control limits.

Matrix Spike Recovery(s) for 4-Methyl-2-pentanone (MIBK) are outside control limits. Probable cause is due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 4-Methyl-2-pentanone (MIBK), m,p-Xylene are outside control limits. Probable cause is due to matrix interference.

Sample(s) FA96864-13, FA96864-18, FA96864-19 have surrogates outside control limits.

For Sample(s) FA96864-4 are associated with an CCV that has a recovery for Methyl Chloride outside high control limit.

VA3179-BS for 1,3-Dichloropropane: Sporadic marginal failure.

VA3179-BS for Bromobenzene: Sporadic marginal failure.

VA3179-BS for Dibromochloromethane: Sporadic marginal failure.

VA3179-BS for n-Butylbenzene: Sporadic marginal failure.

VA3179-BS for Styrene: Sporadic marginal failure.

FA96864-1 for 1,3-Dichloropropane: Associated BS recovery outside control limits low.

FA96864-1 for Bromobenzene: Associated BS recovery outside control limits low.

FA96864-1 for Dibromochloromethane: Associated BS recovery outside control limits low.

FA96864-1 for Dichlorodifluoromethane: Associated ICV and CCV outside control limits high, sample is ND.

FA96864-1 for Methyl Chloride: Associated CCV outside of control limits high, sample is ND.

FA96864-1 for n-Butylbenzene: Associated BS recovery outside control limits low.

FA96864-1 for Styrene: Associated BS recovery outside control limits low.

FA96864-2 for 1,3-Dichloropropane: Associated BS recovery outside control limits low.

FA96864-2 for Bromobenzene: Associated BS recovery outside control limits low.

FA96864-2 for Dibromochloromethane: Associated BS recovery outside control limits low.

FA96864-2 for Dichlorodifluoromethane: Associated ICV and CCV outside control limits high, sample is ND.

FA96864-2 for Methyl Chloride: Associated CCV outside of control limits high, sample is ND.

FA96864-2 for n-Butylbenzene: Associated BS recovery outside control limits low.

FA96864-2 for Styrene: Associated BS recovery outside control limits low.

FA96864-3 for 1,3-Dichloropropane: Associated BS recovery outside control limits low.

FA96864-3 for Bromobenzene: Associated BS recovery outside control limits low.

FA96864-3 for Dibromochloromethane: Associated BS recovery outside control limits low.

FA96864-3 for Dichlorodifluoromethane: Associated ICV and CCV outside control limits high, sample is ND.

FA96864-3 for Methyl Chloride: Associated CCV outside of control limits high, sample is ND.

FA96864-3 for n-Butylbenzene: Associated BS recovery outside control limits low.

FA96864-3 for Styrene: Associated BS recovery outside control limits low.

FA96864-4 for 1,3-Dichloropropane: Associated BS recovery outside control limits low.

FA96864-4 for Bromobenzene: Associated BS recovery outside control limits low.

FA96864-4 for Dibromochloromethane: Associated BS recovery outside control limits low.

MS Volatiles By Method SW846 8260D

Matrix: AQ **Batch ID:** VA3179

FA96864-4 for Dichlorodifluoromethane: Associated ICV and CCV outside control limits high, sample is ND.
FA96864-4 for Methyl Chloride: Associated CCV outside of control limits high.
FA96864-4 for n-Butylbenzene: Associated BS recovery outside control limits low.
FA96864-4 for Styrene: Associated BS recovery outside control limits low.
FA96864-5 for 1,3-Dichloropropane: Associated BS recovery outside control limits low.
FA96864-5 for Bromobenzene: Associated BS recovery outside control limits low.
FA96864-5 for Dibromochloromethane: Associated BS recovery outside control limits low.
FA96864-5 for Dichlorodifluoromethane: Associated ICV and CCV outside control limits high, sample is ND.
FA96864-5 for Methyl Chloride: Associated CCV outside of control limits high, sample is ND.
FA96864-5 for n-Butylbenzene: Associated BS recovery outside control limits low.
FA96864-5 for Styrene: Associated BS recovery outside control limits low.
FA96864-6 for 1,3-Dichloropropane: Associated BS recovery outside control limits low.
FA96864-6 for Bromobenzene: Associated BS recovery outside control limits low.
FA96864-6 for Dibromochloromethane: Associated BS recovery outside control limits low.
FA96864-6 for Dichlorodifluoromethane: Associated ICV and CCV outside control limits high, sample is ND.
FA96864-6 for Methyl Chloride: Associated CCV outside of control limits high, sample is ND.
FA96864-6 for n-Butylbenzene: Associated BS recovery outside control limits low.
FA96864-6 for Styrene: Associated BS recovery outside control limits low.
FA96864-7 for 1,3-Dichloropropane: Associated BS recovery outside control limits low.
FA96864-7 for Bromobenzene: Associated BS recovery outside control limits low.
FA96864-7 for Dibromochloromethane: Associated BS recovery outside control limits low.
FA96864-7 for Dichlorodifluoromethane: Associated ICV and CCV outside control limits high, sample is ND.
FA96864-7 for Methyl Chloride: Associated CCV outside of control limits high, sample is ND.
FA96864-7 for n-Butylbenzene: Associated BS recovery outside control limits low.
FA96864-7 for Styrene: Associated BS recovery outside control limits low.
FA96864-8 for 1,3-Dichloropropane: Associated BS recovery outside control limits low.
FA96864-8 for Bromobenzene: Associated BS recovery outside control limits low.
FA96864-8 for Dibromochloromethane: Associated BS recovery outside control limits low.
FA96864-8 for Dichlorodifluoromethane: Associated ICV and CCV outside control limits high, sample is ND.
FA96864-8 for Methyl Chloride: Associated CCV outside of control limits high, sample is ND.
FA96864-8 for n-Butylbenzene: Associated BS recovery outside control limits low.
FA96864-8 for Styrene: Associated BS recovery outside control limits low.
FA96864-9 for 1,3-Dichloropropane: Associated BS recovery outside control limits low.
FA96864-9 for Bromobenzene: Associated BS recovery outside control limits low.
FA96864-9 for Dibromochloromethane: Associated BS recovery outside control limits low.
FA96864-9 for Dichlorodifluoromethane: Associated ICV and CCV outside control limits high, sample is ND.
FA96864-9 for Methyl Chloride: Associated CCV outside of control limits high, sample is ND.
FA96864-9 for n-Butylbenzene: Associated BS recovery outside control limits low.
FA96864-9 for Styrene: Associated BS recovery outside control limits low.
FA96864-10 for 1,3-Dichloropropane: Associated BS recovery outside control limits low.
FA96864-10 for Bromobenzene: Associated BS recovery outside control limits low.
FA96864-10 for Dibromochloromethane: Associated BS recovery outside control limits low.
FA96864-10 for Dichlorodifluoromethane: Associated ICV and CCV outside control limits high, sample is ND.
FA96864-10 for Methyl Chloride: Associated CCV outside of control limits high, sample is ND.
FA96864-10 for n-Butylbenzene: Associated BS recovery outside control limits low.
FA96864-10 for Styrene: Associated BS recovery outside control limits low.
FA96864-11 for 1,3-Dichloropropane: Associated BS recovery outside control limits low.
FA96864-11 for Bromobenzene: Associated BS recovery outside control limits low.
FA96864-11 for Dibromochloromethane: Associated BS recovery outside control limits low.
FA96864-11 for Dichlorodifluoromethane: Associated ICV and CCV outside control limits high, sample is ND.
FA96864-11 for Methyl Chloride: Associated CCV outside of control limits high, sample is ND.
FA96864-11 for n-Butylbenzene: Associated BS recovery outside control limits low.
FA96864-11 for Styrene: Associated BS recovery outside control limits low.

MS Volatiles By Method SW846 8260D

Matrix: AQ **Batch ID:** VA3179

FA96864-12 for 1,3-Dichloropropane: Associated BS recovery outside control limits low.
FA96864-12 for Bromobenzene: Associated BS recovery outside control limits low.
FA96864-12 for Dibromochloromethane: Associated BS recovery outside control limits low.
FA96864-12 for Dichlorodifluoromethane: Associated ICV and CCV outside control limits high, sample is ND.
FA96864-12 for Methyl Chloride: Associated CCV outside of control limits high, sample is ND.
FA96864-12 for n-Butylbenzene: Associated BS recovery outside control limits low.
FA96864-12 for Styrene: Associated BS recovery outside control limits low.
FA96864-13 for 1,2-Dichloroethane-D4: Outside control limits.
FA96864-13 for 1,3-Dichloropropane: Associated BS recovery outside control limits low.
FA96864-13 for Bromobenzene: Associated BS recovery outside control limits low.
FA96864-13 for Dibromochloromethane: Associated BS recovery outside control limits low.
FA96864-13 for Dichlorodifluoromethane: Associated ICV and CCV outside control limits high, sample is ND.
FA96864-13 for Methyl Chloride: Associated CCV outside of control limits high, sample is ND.
FA96864-13 for n-Butylbenzene: Associated BS recovery outside control limits low.
FA96864-13 for Styrene: Associated BS recovery outside control limits low.
FA96864-14 for 1,3-Dichloropropane: Associated BS recovery outside control limits low.
FA96864-14 for Bromobenzene: Associated BS recovery outside control limits low.
FA96864-14 for Dibromochloromethane: Associated BS recovery outside control limits low.
FA96864-14 for Dichlorodifluoromethane: Associated ICV and CCV outside control limits high, sample is ND.
FA96864-14 for Methyl Chloride: Associated CCV outside of control limits high, sample is ND.
FA96864-14 for n-Butylbenzene: Associated BS recovery outside control limits low.
FA96864-14 for Styrene: Associated BS recovery outside control limits low.
FA96864-15 for 1,3-Dichloropropane: Associated BS recovery outside control limits low.
FA96864-15 for Bromobenzene: Associated BS recovery outside control limits low.
FA96864-15 for Dibromochloromethane: Associated BS recovery outside control limits low.
FA96864-15 for Dichlorodifluoromethane: Associated ICV and CCV outside control limits high, sample is ND.
FA96864-15 for Methyl Chloride: Associated CCV outside of control limits high, sample is ND.
FA96864-15 for n-Butylbenzene: Associated BS recovery outside control limits low.
FA96864-15 for Styrene: Associated BS recovery outside control limits low.
FA96864-16 for 1,3-Dichloropropane: Associated BS recovery outside control limits low.
FA96864-16 for Bromobenzene: Associated BS recovery outside control limits low.
FA96864-16 for Dibromochloromethane: Associated BS recovery outside control limits low.
FA96864-16 for Dichlorodifluoromethane: Associated ICV and CCV outside control limits high, sample is ND.
FA96864-16 for Methyl Chloride: Associated CCV outside of control limits high, sample is ND.
FA96864-16 for n-Butylbenzene: Associated BS recovery outside control limits low.
FA96864-16 for Styrene: Associated BS recovery outside control limits low.
FA96864-17 for 1,3-Dichloropropane: Associated BS recovery outside control limits low.
FA96864-17 for Bromobenzene: Associated BS recovery outside control limits low.
FA96864-17 for Dibromochloromethane: Associated BS recovery outside control limits low.
FA96864-17 for Dichlorodifluoromethane: Associated ICV and CCV outside control limits high, sample is ND.
FA96864-17 for Methyl Chloride: Associated CCV outside of control limits high, sample is ND.
FA96864-17 for n-Butylbenzene: Associated BS recovery outside control limits low.
FA96864-17 for Styrene: Associated BS recovery outside control limits low.
FA96864-18 for 1,2-Dichloroethane-D4: Outside control limits.
FA96864-18 for 1,3-Dichloropropane: Associated BS recovery outside control limits low.
FA96864-18 for Bromobenzene: Associated BS recovery outside control limits low.
FA96864-18 for Dibromochloromethane: Associated BS recovery outside control limits low.
FA96864-18 for Dichlorodifluoromethane: Associated ICV and CCV outside control limits high, sample is ND.
FA96864-18 for Methyl Chloride: Associated CCV outside of control limits high, sample is ND.
FA96864-18 for n-Butylbenzene: Associated BS recovery outside control limits low.
FA96864-18 for Styrene: Associated BS recovery outside control limits low.
FA96864-19: Sample was analyzed beyond the 12 hour analysis window.

MS Volatiles By Method SW846 8260D

Matrix: AQ **Batch ID:** VA3180

Sample(s) FA96866-1MS, FA96866-1MSD were used as the QC samples indicated.

Sample(s) FA96864-22, FA96864-23, FA96864-24, FA96864-25, FA96864-26 have compound(s) reported with a “B” qualifier, indicating analyte is found in the associated method blank.

Blank Spike Recovery(s) for 1,1,1-Trichloroethane, 1,1,2-Trichloroethane, 1,1-Dichloroethane, 1,2,4-Trimethylbenzene, 1,2-Dichloroethane, 1,3,5-Trimethylbenzene, Benzene, Bromodichloromethane, Carbon Tetrachloride, Chloroethane, Chloroform, cis-1,2-Dichloroethylene, Dichlorodifluoromethane, Methyl Bromide, Methyl Chloride, trans-1,2-Dichloroethylene, trans-1,3-Dichloropropene, Trichloroethylene, Trichlorofluoromethane are outside control limits.

Matrix Spike Recovery(s) for 4-Methyl-2-pentanone (MIBK), Acetone, Dichlorodifluoromethane, Methyl Chloride, Trichlorofluoromethane are outside control limits. Probable cause is due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 4-Methyl-2-pentanone (MIBK), Acetone are outside control limits. Probable cause is due to matrix interference.

RPD(s) for MSD for 4-Methyl-2-pentanone (MIBK), Acetone are outside control limits for sample FA96866-1MSD. Probable cause is due to sample non-homogeneity.

Sample(s) FA96864-22, FA96864-23, FA96864-24, FA96864-26 have surrogates outside control limits.

FA96864-22 for Benzene: Associated BS recovery outside control limits high. Compound was below calibration range in higher dilution.

FA96864-22 for 1,1,1-Trichloroethane: Associated CCV and BS outside control limits high, sample is ND.

FA96864-22 for 1,1,2-Trichloroethane: Associated BS recovery outside control limits high, sample is ND.

FA96864-22 for 1,1-Dichloroethane: Associated CCV and BS outside control limits high, sample is ND.

FA96864-22 for 1,1-Dichloroethylene: Associated CCV outside control limits high, sample is ND.

FA96864-22 for 1,2-Dichloroethane: Associated CCV and BS outside control limits high, sample is ND.

FA96864-22 for 1,2-Dichloroethane-D4: Outside control limits.

FA96864-22 for 1,3,5-Trimethylbenzene: Associated BS recovery outside control limits high, sample is ND.

FA96864-22 for 4-Methyl-2-pentanone (MIBK): Associated CCV outside control limits high, sample is ND.

FA96864-22 for Bromodichloromethane: Associated CCV and BS recovery outside control limits high, sample is ND.

FA96864-22 for Carbon Tetrachloride: Associated CCV and BS outside control limits high, sample is ND.

FA96864-22 for Chloroform: Associated BS recovery outside control limits high, sample is ND.

FA96864-22 for cis-1,2-Dichloroethylene: Associated BS recovery outside control limits high, sample is ND.

FA96864-22 for Dichlorodifluoromethane: Associated CCV and BS recovery outside control limits high, sample is ND.

FA96864-22 for Methyl Bromide: Associated CCV and BS outside control limits high, sample is ND.

FA96864-22 for Methyl Chloride: Associated CCV and BS outside control limits high, sample is ND.

FA96864-22 for Methylene Chloride: Associated BS recovery outside control limits high. Suspected laboratory contaminant.

FA96864-22 for trans-1,3-Dichloropropene: Associated BS recovery outside control limits high, sample is ND.

FA96864-22 for Trichloroethylene: Associated BS recovery outside control limits high, sample is ND.

FA96864-22 for Trichlorofluoromethane: Associated CCV and BS outside control limits high, sample is ND.

FA96864-23 for 1,1,1-Trichloroethane: Associated CCV and BS outside control limits high, sample is ND.

FA96864-23 for 1,1,2-Trichloroethane: Associated BS recovery outside control limits high, sample is ND.

FA96864-23 for 1,1-Dichloroethane: Associated CCV and BS outside control limits high, sample is ND.

FA96864-23 for 1,1-Dichloroethylene: Associated CCV outside control limits high, sample is ND.

FA96864-23 for 1,2,4-Trimethylbenzene: Associated BS recovery outside control limits high, sample is ND.

FA96864-23 for 1,2-Dichloroethane: Associated CCV and BS outside control limits high, sample is ND.

FA96864-23 for 1,2-Dichloroethane-D4: Outside control limits.

FA96864-23 for 1,3,5-Trimethylbenzene: Associated BS recovery outside control limits high, sample is ND.

FA96864-23 for 4-Methyl-2-pentanone (MIBK): Associated CCV outside control limits high, sample is ND.

FA96864-23 for Acetone: Associated CCV outside control limits high.

FA96864-23 for Benzene: Associated BS recovery outside control limits high, sample is ND.

FA96864-23 for Bromodichloromethane: Associated CCV and BS recovery outside control limits high, sample is ND.

FA96864-23 for Carbon Tetrachloride: Associated CCV and BS outside control limits high, sample is ND.

FA96864-23 for Chloroethane: Associated CCV and BS outside control limits high, sample is ND.

FA96864-23 for Chloroform: Associated BS recovery outside control limits high, sample is ND.

FA96864-23 for cis-1,2-Dichloroethylene: Associated BS recovery outside control limits high, sample is ND.

FA96864-23 for Dichlorodifluoromethane: Associated CCV and BS recovery outside control limits high, sample is ND.

FA96864-23 for Methyl Bromide: Associated CCV and BS outside control limits high, sample is ND.

FA96864-23 for Methyl Chloride: Associated CCV and BS outside control limits high, sample is ND.

FA96864-23 for Methylene Chloride: Associated BS recovery outside control limits high. Suspected laboratory contaminant.

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Matrix: AQ **Batch ID:** VA3180

FA96864-23 for trans-1,2-Dichloroethylene: Associated CCV and BS outside control limits high, sample is ND.
FA96864-23 for trans-1,3-Dichloropropene: Associated BS recovery outside control limits high, sample is ND.
FA96864-23 for Trichloroethylene: Associated BS recovery outside control limits high, sample is ND.
FA96864-23 for Trichlorofluoromethane: Associated CCV and BS outside control limits high, sample is ND.
FA96864-23 for Vinyl Chloride: Associated CCV outside control limits high, sample is ND.
FA96864-24 for 1,1,1-Trichloroethane: Associated CCV and BS outside control limits high, sample is ND.
FA96864-24 for 1,1,2-Trichloroethane: Associated BS recovery outside control limits high, sample is ND.
FA96864-24 for 1,1-Dichloroethane: Associated CCV and BS outside control limits high, sample is ND.
FA96864-24 for 1,1-Dichloroethylene: Associated CCV outside control limits high, sample is ND.
FA96864-24 for 1,2,4-Trimethylbenzene: Associated BS recovery outside control limits high, sample is ND.
FA96864-24 for 1,2-Dichloroethane: Associated CCV and BS outside control limits high, sample is ND.
FA96864-24 for 1,2-Dichloroethane-D4: Outside control limits.
FA96864-24 for 1,3,5-Trimethylbenzene: Associated BS recovery outside control limits high, sample is ND.
FA96864-24 for 4-Methyl-2-pentanone (MIBK): Associated CCV outside control limits high, sample is ND.
FA96864-24 for Acetone: Associated CCV outside control limits high, sample is ND.
FA96864-24 for Benzene: Associated BS recovery outside control limits high, sample is ND.
FA96864-24 for Bromodichloromethane: Associated CCV and BS recovery outside control limits high, sample is ND.
FA96864-24 for Carbon Tetrachloride: Associated CCV and BS outside control limits high, sample is ND.
FA96864-24 for Chloroethane: Associated CCV and BS outside control limits high, sample is ND.
FA96864-24 for Chloroform: Associated BS recovery outside control limits high, sample is ND.
FA96864-24 for cis-1,2-Dichloroethylene: Associated BS recovery outside control limits high.
FA96864-24 for Dichlorodifluoromethane: Associated CCV and BS recovery outside control limits high, sample is ND.
FA96864-24 for Methyl Bromide: Associated CCV and BS outside control limits high, sample is ND.
FA96864-24 for Methyl Chloride: Associated CCV and BS outside control limits high, sample is ND.
FA96864-24 for Methylene Chloride: Associated BS recovery outside control limits high. Suspected laboratory contaminant.
FA96864-24 for trans-1,2-Dichloroethylene: Associated CCV and BS outside control limits high, sample is ND.
FA96864-24 for trans-1,3-Dichloropropene: Associated BS recovery outside control limits high, sample is ND.
FA96864-24 for Trichloroethylene: Associated BS recovery outside control limits high, sample is ND.
FA96864-24 for Trichlorofluoromethane: Associated CCV and BS outside control limits high, sample is ND.
FA96864-24 for Vinyl Chloride: Associated CCV outside control limits high, sample is ND.
FA96864-25 for 1,1,1-Trichloroethane: Associated CCV and BS outside control limits high, sample is ND.
FA96864-25 for 1,1,2-Trichloroethane: Associated BS recovery outside control limits high, sample is ND.
FA96864-25 for 1,1-Dichloroethane: Associated CCV and BS outside control limits high, sample is ND.
FA96864-25 for 1,1-Dichloroethylene: Associated CCV outside control limits high, sample is ND.
FA96864-25 for 1,2,4-Trimethylbenzene: Associated BS recovery outside control limits high, sample is ND.
FA96864-25 for 1,2-Dichloroethane: Associated CCV and BS outside control limits high, sample is ND.
FA96864-25 for 1,3,5-Trimethylbenzene: Associated BS recovery outside control limits high, sample is ND.
FA96864-25 for 4-Methyl-2-pentanone (MIBK): Associated CCV outside control limits high, sample is ND.
FA96864-25 for Acetone: Associated CCV outside control limits high, sample is ND.
FA96864-25 for Benzene: Associated BS recovery outside control limits high, sample is ND.
FA96864-25 for Bromodichloromethane: Associated CCV and BS recovery outside control limits high, sample is ND.
FA96864-25 for Carbon Tetrachloride: Associated CCV and BS outside control limits high, sample is ND.
FA96864-25 for Chloroethane: Associated CCV and BS outside control limits high, sample is ND.
FA96864-25 for Chloroform: Associated BS recovery outside control limits high, sample is ND.
FA96864-25 for cis-1,2-Dichloroethylene: Associated BS recovery outside control limits high, sample is ND.
FA96864-25 for Dichlorodifluoromethane: Associated CCV and BS recovery outside control limits high, sample is ND.
FA96864-25 for Methyl Bromide: Associated CCV and BS outside control limits high, sample is ND.
FA96864-25 for Methyl Chloride: Associated CCV and BS outside control limits high, sample is ND.
FA96864-25 for Methylene Chloride: Associated BS recovery outside control limits high. Suspected laboratory contaminant.
FA96864-25 for trans-1,2-Dichloroethylene: Associated CCV and BS outside control limits high, sample is ND.
FA96864-25 for trans-1,3-Dichloropropene: Associated BS recovery outside control limits high, sample is ND.
FA96864-25 for Trichloroethylene: Associated BS recovery outside control limits high, sample is ND.
FA96864-25 for Trichlorofluoromethane: Associated CCV and BS outside control limits high, sample is ND.

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Matrix: AQ **Batch ID:** VA3180

FA96864-25 for Vinyl Chloride: Associated CCV outside control limits high, sample is ND.

FA96864-26 for 1,1,1-Trichloroethane: Associated CCV and BS outside control limits high, sample is ND.

FA96864-26 for 1,1,2-Trichloroethane: Associated BS recovery outside control limits high, sample is ND.

FA96864-26 for 1,1-Dichloroethane: Associated CCV and BS outside control limits high, sample is ND.

FA96864-26 for 1,1-Dichloroethylene: Associated CCV outside control limits high, sample is ND.

FA96864-26 for 1,2,4-Trimethylbenzene: Associated BS recovery outside control limits high, sample is ND.

FA96864-26 for 1,2-Dichloroethane: Associated CCV and BS outside control limits high, sample is ND.

FA96864-26 for 1,2-Dichloroethane-D4: Outside control limits, sample is ND.

FA96864-26 for 1,3,5-Trimethylbenzene: Associated BS recovery outside control limits high, sample is ND.

FA96864-26 for 4-Methyl-2-pentanone (MIBK): Associated CCV outside control limits high, sample is ND.

FA96864-26 for Acetone: Associated CCV outside control limits high, sample is ND.

FA96864-26 for Benzene: Associated BS recovery outside control limits high, sample is ND.

FA96864-26 for Bromodichloromethane: Associated CCV and BS recovery outside control limits high, sample is ND.

FA96864-26 for Carbon Tetrachloride: Associated CCV and BS outside control limits high, sample is ND.

FA96864-26 for Chloroethane: Associated CCV and BS outside control limits high, sample is ND.

FA96864-26 for Chloroform: Associated BS recovery outside control limits high, sample is ND.

FA96864-26 for cis-1,2-Dichloroethylene: Associated BS recovery outside control limits high, sample is ND.

FA96864-26 for Dichlorodifluoromethane: Associated CCV and BS recovery outside control limits high, sample is ND.

FA96864-26 for Methyl Bromide: Associated CCV and BS outside control limits high, sample is ND.

FA96864-26 for Methyl Chloride: Associated CCV and BS outside control limits high, sample is ND.

FA96864-26 for Methylene Chloride: Associated BS recovery outside control limits high. Suspected laboratory contaminant.

FA96864-26 for trans-1,2-Dichloroethylene: Associated CCV and BS outside control limits high, sample is ND.

FA96864-26 for trans-1,3-Dichloropropene: Associated BS recovery outside control limits high, sample is ND.

FA96864-26 for Trichloroethylene: Associated BS recovery outside control limits high, sample is ND.

FA96864-26 for Trichlorofluoromethane: Associated CCV and BS outside control limits high, sample is ND.

FA96864-26 for Vinyl Chloride: Associated CCV outside control limits high, sample is ND.

Matrix: AQ **Batch ID:** VA3188

Sample(s) FA96975-7MS, FA96975-7MSD were used as the QC samples indicated.

Sample(s) FA96864-21 have compounds reported with “E” qualifiers indicating estimated value exceeding calibration range.

Sample(s) FA96864-19, FA96864-21 have compound(s) reported with a “B” qualifier, indicating analyte is found in the associated method blank.

Matrix Spike Recovery(s) for 4-Methyl-2-pentanone (MIBK) are outside control limits. Probable cause is due to matrix interference.

Matrix Spike Duplicate Recovery(s) for Chloroethane, Methyl Chloride are outside control limits. Probable cause is due to matrix interference.

RPD(s) for MSD for Chloroethane, Dichlorodifluoromethane, Methyl Bromide are outside control limits for sample FA96975-7MSD. Probable cause is due to sample non-homogeneity.

Sample(s) FA96864-13, FA96864-14 have surrogates outside control limits.

FA96864-5: Sample re-analyzed beyond hold time.

FA96864-11: Sample re-analyzed beyond hold time.

FA96864-13: Sample re-analyzed beyond hold time.

FA96864-14 for 1,2-Dichloroethane-D4: Outside control limits; associated analytes ND.

FA96864-14: Sample re-analyzed beyond hold time.

FA96864-19: Sample re-analyzed beyond hold time.

FA96864-21: Sample re-analyzed beyond hold time.

Matrix: AQ **Batch ID:** VA3189

Sample(s) FA96866-21MS, FA96866-21MSD were used as the QC samples indicated.

Sample(s) FA96864-20 have compound(s) reported with a “B” qualifier, indicating analyte is found in the associated method blank.

Blank Spike Recovery(s) for 1,2,3-Trichloropropane, 1,3,5-Trimethylbenzene, 1,3-Dichlorobenzene, 1,3-Dichloropropane, Bromobenzene, Isopropylbenzene, n-Butylbenzene, o-Xylene, Styrene, Toluene are outside control limits.

Matrix Spike/Matrix Spike Duplicate Recovery(s) for 1,1-Dichloroethylene are outside control limits. Probable cause is due to matrix interference.

Matrix Spike /Matrix Spike Duplicate Recovery(s) for Ethylbenzene are outside control limits. Outside control limits due to high level in sample relative to spike amount.

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Matrix: AQ **Batch ID:** VA3189

RPD(s) for MSD for Methyl Bromide, Trichlorofluoromethane, Vinyl Chloride are outside control limits for sample FA96866-21MSD. Probable cause is due to sample non-homogeneity.

Sample(s) FA96864-16, FA96864-18, FA96864-20, FA96864-22 have surrogates outside control limits.

VA3189-MB for Methylene Chloride: Suspected laboratory contaminant.

FA96864-4: Sample re-analyzed beyond hold time.

FA96864-16: Sample re-analyzed beyond hold time.

FA96864-18: Sample re-analyzed beyond hold time.

FA96864-20: Sample re-analyzed beyond hold time.

FA96864-22: Sample re-analyzed beyond hold time.

SGS North America Inc. - Orlando certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted. Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria. SGS North America Inc.- Orlando is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety.

Narrative prepared by:

_____

Kim Benham, Client Services *(Signature on File)*

Summary of Hits

Job Number: FA96864
Account: Univar
Project: AGMORP: Univar; 8201 S 212th St, Kent, WA
Collected: 06/23/22

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA96864-1	**MW-1-20220623**					
n-Butylbenzene [a]		0.15 J	0.50	0.13	ug/l	SW846 8260D
sec-Butylbenzene		0.65	0.50	0.13	ug/l	SW846 8260D
Chloroethane		7.0	0.50	0.20	ug/l	SW846 8260D
1,1-Dichloroethane		10.9	0.50	0.13	ug/l	SW846 8260D
cis-1,2-Dichloroethylene		0.81	0.50	0.13	ug/l	SW846 8260D
Ethylbenzene		0.18 J	0.50	0.13	ug/l	SW846 8260D
Isopropylbenzene		3.6	0.50	0.13	ug/l	SW846 8260D
Methylene Chloride		1.7 JB	2.0	1.0	ug/l	SW846 8260D
n-Propylbenzene		4.1	0.50	0.13	ug/l	SW846 8260D
1,1,1-Trichloroethane		0.15 J	0.50	0.13	ug/l	SW846 8260D
Trichloroethylene		2.0	0.50	0.13	ug/l	SW846 8260D
Vinyl Chloride		0.54	0.50	0.13	ug/l	SW846 8260D
m,p-Xylene		0.55 J	1.0	0.13	ug/l	SW846 8260D
o-Xylene		4.6	0.50	0.13	ug/l	SW846 8260D
FA96864-2	**MW-2-20220623**					
Acetone		3.9 J	10	2.0	ug/l	SW846 8260D
cis-1,2-Dichloroethylene		0.67	0.50	0.13	ug/l	SW846 8260D
Methylene Chloride		1.8 JB	2.0	1.0	ug/l	SW846 8260D
Vinyl Chloride		0.14 J	0.50	0.13	ug/l	SW846 8260D
FA96864-3	**MW-3-20220623**					
Acetone		3.0 J	10	2.0	ug/l	SW846 8260D
Benzene		0.23 J	0.50	0.13	ug/l	SW846 8260D
Chloroethane		0.89	0.50	0.20	ug/l	SW846 8260D
cis-1,2-Dichloroethylene		0.58	0.50	0.13	ug/l	SW846 8260D
Methylene Chloride		1.7 JB	2.0	1.0	ug/l	SW846 8260D
Vinyl Chloride		0.71	0.50	0.13	ug/l	SW846 8260D
FA96864-4	**MW-4-20220623**					
Acetone		4.5 J	10	2.0	ug/l	SW846 8260D
Benzene		0.96	0.50	0.13	ug/l	SW846 8260D
n-Butylbenzene [a]		0.39 J	0.50	0.13	ug/l	SW846 8260D
sec-Butylbenzene		2.0	0.50	0.13	ug/l	SW846 8260D
tert-Butylbenzene		0.34 J	0.50	0.13	ug/l	SW846 8260D
Chloroethane [b]		97.7	1.3	0.50	ug/l	SW846 8260D
1,1-Dichloroethane		1.8	0.50	0.13	ug/l	SW846 8260D
cis-1,2-Dichloroethylene		5.8	0.50	0.13	ug/l	SW846 8260D
trans-1,2-Dichloroethylene		0.64	0.50	0.13	ug/l	SW846 8260D
Ethylbenzene		0.67	0.50	0.13	ug/l	SW846 8260D

Summary of Hits

Job Number: FA96864
Account: Univar
Project: AGMORP: Univar; 8201 S 212th St, Kent, WA
Collected: 06/23/22

Lab Sample ID / Client Sample ID / Analyte	Result/ Qual	RL	MDL	Units	Method
Hexane	1.6	1.0	0.20	ug/l	SW846 8260D
Isopropylbenzene	25.1	0.50	0.13	ug/l	SW846 8260D
Methyl Chloride [c]	0.28 J	0.50	0.20	ug/l	SW846 8260D
Methylene Chloride	2.0 B	2.0	1.0	ug/l	SW846 8260D
n-Propylbenzene	20.3	0.50	0.13	ug/l	SW846 8260D
Toluene	1.8	0.50	0.13	ug/l	SW846 8260D
1,2,4-Trimethylbenzene	0.15 J	0.50	0.13	ug/l	SW846 8260D
Vinyl Chloride	26.5	0.50	0.13	ug/l	SW846 8260D
m,p-Xylene	0.60 J	1.0	0.13	ug/l	SW846 8260D
o-Xylene	0.56	0.50	0.13	ug/l	SW846 8260D
FA96864-5 MW-5-20220623					
cis-1,2-Dichloroethylene	25.9	0.50	0.13	ug/l	SW846 8260D
Tetrachloroethylene [b]	60.1	1.3	0.31	ug/l	SW846 8260D
Trichloroethylene	8.1	0.50	0.13	ug/l	SW846 8260D
FA96864-6 MW-6-20220623					
Acetone	4.2 J	10	2.0	ug/l	SW846 8260D
FA96864-7 MW-7-20220623					
Methylene Chloride	1.6 JB	2.0	1.0	ug/l	SW846 8260D
Tetrachloroethylene	3.6	0.50	0.13	ug/l	SW846 8260D
FA96864-8 MW-8-20220623					
Acetone	2.1 J	10	2.0	ug/l	SW846 8260D
1,1-Dichloroethylene	0.23 J	0.50	0.13	ug/l	SW846 8260D
cis-1,2-Dichloroethylene	0.78	0.50	0.13	ug/l	SW846 8260D
Methylene Chloride	1.7 JB	2.0	1.0	ug/l	SW846 8260D
Trichloroethylene	2.5	0.50	0.13	ug/l	SW846 8260D
FA96864-9 MW-9-20220623					
Acetone	3.3 J	10	2.0	ug/l	SW846 8260D
cis-1,2-Dichloroethylene	0.40 J	0.50	0.13	ug/l	SW846 8260D
Methylene Chloride	1.6 JB	2.0	1.0	ug/l	SW846 8260D
Trichloroethylene	0.80	0.50	0.13	ug/l	SW846 8260D
FA96864-10 MW-10-20220623					
Methylene Chloride	1.7 JB	2.0	1.0	ug/l	SW846 8260D

Summary of Hits

Job Number: FA96864
Account: Univar
Project: AGMORP: Univar; 8201 S 212th St, Kent, WA
Collected: 06/23/22

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA96864-11	**MW-12-20220623**					
cis-1,2-Dichloroethylene		28.7	0.50	0.13	ug/l	SW846 8260D
Methylene Chloride		1.7 JB	2.0	1.0	ug/l	SW846 8260D
Tetrachloroethylene [b]		86.1	1.0	0.25	ug/l	SW846 8260D
Trichloroethylene		5.1	0.50	0.13	ug/l	SW846 8260D
Vinyl Chloride		1.6	0.50	0.13	ug/l	SW846 8260D
FA96864-12	**MW-23-20220623**					
cis-1,2-Dichloroethylene		1.8	0.50	0.13	ug/l	SW846 8260D
Methylene Chloride		1.7 JB	2.0	1.0	ug/l	SW846 8260D
Tetrachloroethylene		9.6	0.50	0.13	ug/l	SW846 8260D
Trichloroethylene		0.92	0.50	0.13	ug/l	SW846 8260D
Vinyl Chloride		2.3	0.50	0.13	ug/l	SW846 8260D
FA96864-13	**MW-13-20220623**					
Acetone		4.2 J	10	2.0	ug/l	SW846 8260D
Benzene		0.41 J	0.50	0.13	ug/l	SW846 8260D
n-Butylbenzene [a]		0.29 J	0.50	0.13	ug/l	SW846 8260D
sec-Butylbenzene		0.91	0.50	0.13	ug/l	SW846 8260D
Chloroethane [d]		85.8	2.5	1.0	ug/l	SW846 8260D
Chloroform		0.95	0.50	0.13	ug/l	SW846 8260D
o-Chlorotoluene		1.1	0.50	0.13	ug/l	SW846 8260D
cis-1,2-Dichloroethylene		0.48 J	0.50	0.13	ug/l	SW846 8260D
trans-1,2-Dichloroethylene		2.9	0.50	0.13	ug/l	SW846 8260D
Ethylbenzene		13.4	0.50	0.13	ug/l	SW846 8260D
Hexane		10.9	1.0	0.20	ug/l	SW846 8260D
Isopropylbenzene		33.3	0.50	0.13	ug/l	SW846 8260D
p-Isopropyltoluene		0.34 J	0.50	0.13	ug/l	SW846 8260D
Methylene Chloride		1.8 JB	2.0	1.0	ug/l	SW846 8260D
n-Propylbenzene		44.8	0.50	0.13	ug/l	SW846 8260D
Toluene		0.89	0.50	0.13	ug/l	SW846 8260D
1,2,4-Trimethylbenzene [b]		75.0	2.5	0.63	ug/l	SW846 8260D
1,3,5-Trimethylbenzene		7.9	0.50	0.13	ug/l	SW846 8260D
Vinyl Chloride		0.70	0.50	0.13	ug/l	SW846 8260D
m,p-Xylene [b]		156	5.0	0.63	ug/l	SW846 8260D
FA96864-14	**MW-14-20220623**					
Acetone		3.7 J	10	2.0	ug/l	SW846 8260D
sec-Butylbenzene		0.15 J	0.50	0.13	ug/l	SW846 8260D
Methylene Chloride		1.7 JB	2.0	1.0	ug/l	SW846 8260D

Summary of Hits

Job Number: FA96864
Account: Univar
Project: AGMORP: Univar; 8201 S 212th St, Kent, WA
Collected: 06/23/22

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA96864-15	**MW-16-20220623**					
Acetone		4.1 J	10	2.0	ug/l	SW846 8260D
Methylene Chloride		1.7 JB	2.0	1.0	ug/l	SW846 8260D
Vinyl Chloride		0.69	0.50	0.13	ug/l	SW846 8260D
FA96864-16	**MW-17-20220623**					
Acetone		3.8 J	10	2.0	ug/l	SW846 8260D
Benzene		7.8	0.50	0.13	ug/l	SW846 8260D
Chloroethane [b]		44.3	1.0	0.40	ug/l	SW846 8260D
1,2-Dichloroethane		0.80	0.50	0.13	ug/l	SW846 8260D
Methylene Chloride		1.8 JB	2.0	1.0	ug/l	SW846 8260D
Toluene		0.87	0.50	0.13	ug/l	SW846 8260D
1,2,4-Trimethylbenzene		0.30 J	0.50	0.13	ug/l	SW846 8260D
m,p-Xylene		1.9	1.0	0.13	ug/l	SW846 8260D
FA96864-17	**MW-18-20220623**					
cis-1,2-Dichloroethylene		9.3	0.50	0.13	ug/l	SW846 8260D
Methylene Chloride		1.7 JB	2.0	1.0	ug/l	SW846 8260D
Tetrachloroethylene		5.6	0.50	0.13	ug/l	SW846 8260D
Trichloroethylene		5.3	0.50	0.13	ug/l	SW846 8260D
Vinyl Chloride		0.50	0.50	0.13	ug/l	SW846 8260D
FA96864-18	**MW-19-20220623**					
Acetone		3.0 J	10	2.0	ug/l	SW846 8260D
Benzene		0.34 J	0.50	0.13	ug/l	SW846 8260D
Chloroethane		0.74	0.50	0.20	ug/l	SW846 8260D
o-Chlorotoluene		0.17 J	0.50	0.13	ug/l	SW846 8260D
cis-1,2-Dichloroethylene		25.0	0.50	0.13	ug/l	SW846 8260D
Ethylbenzene		8.1	0.50	0.13	ug/l	SW846 8260D
Hexane		3.7	1.0	0.20	ug/l	SW846 8260D
Isopropylbenzene		0.82	0.50	0.13	ug/l	SW846 8260D
p-Isopropyltoluene		0.33 J	0.50	0.13	ug/l	SW846 8260D
Methylene Chloride		1.7 JB	2.0	1.0	ug/l	SW846 8260D
n-Propylbenzene		0.76	0.50	0.13	ug/l	SW846 8260D
Toluene		6.1	0.50	0.13	ug/l	SW846 8260D
1,2,4-Trimethylbenzene		6.0	0.50	0.13	ug/l	SW846 8260D
1,3,5-Trimethylbenzene		1.2	0.50	0.13	ug/l	SW846 8260D
Vinyl Chloride [b]		43.5	1.0	0.25	ug/l	SW846 8260D
m,p-Xylene		7.0	1.0	0.13	ug/l	SW846 8260D
o-Xylene		2.7	0.50	0.13	ug/l	SW846 8260D

Summary of Hits

Job Number: FA96864
Account: Univar
Project: AGMORP: Univar; 8201 S 212th St, Kent, WA
Collected: 06/23/22

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA96864-19	**MW-21-20220623**					
Chloroethane [d]		132	25	10	ug/l	SW846 8260D
Ethylbenzene [b]		323	25	6.3	ug/l	SW846 8260D
Isopropylbenzene [b]		63.1	25	6.3	ug/l	SW846 8260D
Methylene Chloride [e]		166 B	100	50	ug/l	SW846 8260D
n-Propylbenzene [b]		140	25	6.3	ug/l	SW846 8260D
1,2,4-Trimethylbenzene [b]		371	25	6.3	ug/l	SW846 8260D
1,3,5-Trimethylbenzene [b]		165	25	6.3	ug/l	SW846 8260D
m,p-Xylene [b]		3220	50	6.3	ug/l	SW846 8260D
FA96864-20	**MW-22-20220623**					
Acetone [b]		15.4 J	20	4.0	ug/l	SW846 8260D
Chloroethane [b]		54.5	1.0	0.40	ug/l	SW846 8260D
cis-1,2-Dichloroethylene [b]		1.7	1.0	0.25	ug/l	SW846 8260D
trans-1,2-Dichloroethylene [b]		0.69 J	1.0	0.25	ug/l	SW846 8260D
Ethylbenzene [b]		0.47 J	1.0	0.25	ug/l	SW846 8260D
Isopropylbenzene [f]		0.77 J	1.0	0.25	ug/l	SW846 8260D
Methylene Chloride [b]		7.3 B	4.0	2.0	ug/l	SW846 8260D
n-Propylbenzene [b]		0.44 J	1.0	0.25	ug/l	SW846 8260D
Toluene [f]		1.7	1.0	0.25	ug/l	SW846 8260D
Vinyl Chloride [b]		0.43 J	1.0	0.25	ug/l	SW846 8260D
m,p-Xylene [b]		1.6 J	2.0	0.25	ug/l	SW846 8260D
FA96864-21	**MW-24-20220623**					
Chloroethane [d]		221	25	10	ug/l	SW846 8260D
1,1-Dichloroethane [b]		55.3	25	6.3	ug/l	SW846 8260D
Ethylbenzene [b]		2400	25	6.3	ug/l	SW846 8260D
Hexane [b]		25.7 J	50	10	ug/l	SW846 8260D
Isopropylbenzene [b]		103	25	6.3	ug/l	SW846 8260D
Methylene Chloride [e]		163 B	100	50	ug/l	SW846 8260D
n-Propylbenzene [b]		205	25	6.3	ug/l	SW846 8260D
Toluene [b]		1440	25	6.3	ug/l	SW846 8260D
1,2,4-Trimethylbenzene [b]		545	25	6.3	ug/l	SW846 8260D
1,3,5-Trimethylbenzene [b]		307	25	6.3	ug/l	SW846 8260D
Vinyl Chloride [b]		15.0 J	25	6.3	ug/l	SW846 8260D
m,p-Xylene [g]		6090 E	50	6.3	ug/l	SW846 8260D
o-Xylene [b]		1130	25	6.3	ug/l	SW846 8260D
FA96864-22	**MW-25-20220623**					
Acetone [b]		40.4 J	50	10	ug/l	SW846 8260D
Benzene [h]		0.48 J	0.50	0.13	ug/l	SW846 8260D

Summary of Hits

Job Number: FA96864
Account: Univar
Project: AGMORP: Univar; 8201 S 212th St, Kent, WA
Collected: 06/23/22

Lab Sample ID / Client Sample ID / Analyte	Result/ Qual	RL	MDL	Units	Method
sec-Butylbenzene	0.25 J	0.50	0.13	ug/l	SW846 8260D
Chloroethane [b]	94.1	2.5	1.0	ug/l	SW846 8260D
o-Chlorotoluene	0.61	0.50	0.13	ug/l	SW846 8260D
trans-1,2-Dichloroethylene [b]	2.8	2.5	0.63	ug/l	SW846 8260D
Ethylbenzene	1.4	0.50	0.13	ug/l	SW846 8260D
Hexane	5.4	1.0	0.20	ug/l	SW846 8260D
Isopropylbenzene	19.7	0.50	0.13	ug/l	SW846 8260D
Methylene Chloride [i]	2.0 B	2.0	1.0	ug/l	SW846 8260D
n-Propylbenzene	16.8	0.50	0.13	ug/l	SW846 8260D
1,2,4-Trimethylbenzene [b]	32.9	2.5	0.63	ug/l	SW846 8260D
Vinyl Chloride [b]	1.3 J	2.5	0.63	ug/l	SW846 8260D
m,p-Xylene	12.3	1.0	0.13	ug/l	SW846 8260D
FA96864-23 P-1-20220623					
Acetone [j]	5.0 J	10	2.0	ug/l	SW846 8260D
Methylene Chloride [i]	1.7 JB	2.0	1.0	ug/l	SW846 8260D
FA96864-24 DUP-1-20220623					
cis-1,2-Dichloroethylene [k]	0.56	0.50	0.13	ug/l	SW846 8260D
Methylene Chloride [i]	1.7 JB	2.0	1.0	ug/l	SW846 8260D
FA96864-25 TB-1-20220623					
Methylene Chloride [i]	1.8 JB	2.0	1.0	ug/l	SW846 8260D
FA96864-26 TB-2-20220623					
Methylene Chloride [i]	1.7 JB	2.0	1.0	ug/l	SW846 8260D

(a) Associated BS recovery outside control limits low.
(b) Sample re-analyzed beyond hold time.
(c) Associated CCV outside of control limits high.
(d) Sample re-analyzed beyond hold time. Associated Initial Calibration outside control limits (%RSD > 15%).
(e) Sample re-analyzed beyond hold time. Suspected laboratory contaminant.
(f) Sample re-analyzed beyond hold time. Associated BS recovery outside control limits low.
(g) Sample re-analyzed beyond hold time. Insufficient sample available for re-analysis.
(h) Associated BS recovery outside control limits high. Compound was below calibration range in higher dilution.
(i) Associated BS recovery outside control limits high. Suspected laboratory contaminant.
(j) Associated CCV outside control limits high.
(k) Associated BS recovery outside control limits high.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	MW-1-20220623		
Lab Sample ID:	FA96864-1	**Date Sampled:**	06/23/22
Matrix:	AQ - Ground Water	**Date Received:**	06/25/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AGMORP: Univar; 8201 S 212th St, Kent, WA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A0233198.D	1	07/06/22 13:47	SS	n/a	n/a	VA3179
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	0.50	0.13	ug/l	
108-86-1	Bromobenzene [a]	ND	0.50	0.13	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	0.13	ug/l	
75-25-2	Bromoform	ND	0.50	0.13	ug/l	
104-51-8	n-Butylbenzene [a]	0.15	0.50	0.13	ug/l	J
135-98-8	sec-Butylbenzene	0.65	0.50	0.13	ug/l	
98-06-6	tert-Butylbenzene	ND	0.50	0.13	ug/l	
56-23-5	Carbon Tetrachloride	ND	0.50	0.13	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.13	ug/l	
75-00-3	Chloroethane	7.0	0.50	0.20	ug/l	
67-66-3	Chloroform	ND	0.50	0.13	ug/l	
95-49-8	o-Chlorotoluene	ND	0.50	0.13	ug/l	
106-43-4	p-Chlorotoluene	ND	0.50	0.13	ug/l	
124-48-1	Dibromochloromethane [a]	ND	0.50	0.13	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.50	0.25	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.50	0.13	ug/l	
75-71-8	Dichlorodifluoromethane [b]	ND	0.50	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	0.50	0.13	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	0.50	0.13	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	0.50	0.13	ug/l	
75-34-3	1,1-Dichloroethane	10.9	0.50	0.13	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.13	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.81	0.50	0.13	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	0.13	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.13	ug/l	
142-28-9	1,3-Dichloropropane [a]	ND	0.50	0.13	ug/l	
594-20-7	2,2-Dichloropropane	ND	0.50	0.13	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.13	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.13	ug/l	
100-41-4	Ethylbenzene	0.18	0.50	0.13	ug/l	J

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-1-20220623		
Lab Sample ID:	FA96864-1	**Date Sampled:**	06/23/22
Matrix:	AQ - Ground Water	**Date Received:**	06/25/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AGMORP: Univar; 8201 S 212th St, Kent, WA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
110-54-3	Hexane	ND	1.0	0.20	ug/l	
98-82-8	Isopropylbenzene	3.6	0.50	0.13	ug/l	
99-87-6	p-Isopropyltoluene	ND	0.50	0.13	ug/l	
74-83-9	Methyl Bromide	ND	0.50	0.20	ug/l	
74-87-3	Methyl Chloride [c]	ND	0.50	0.20	ug/l	
74-95-3	Methylene Bromide	ND	0.50	0.13	ug/l	
75-09-2	Methylene Chloride	1.7	2.0	1.0	ug/l	JB
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	2.5	1.3	ug/l	
103-65-1	n-Propylbenzene	4.1	0.50	0.13	ug/l	
100-42-5	Styrene [a]	ND	0.50	0.13	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	0.13	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.13	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.13	ug/l	
108-88-3	Toluene	ND	0.50	0.13	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	0.13	ug/l	
71-55-6	1,1,1-Trichloroethane	0.15	0.50	0.13	ug/l	J
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.13	ug/l	
79-01-6	Trichloroethylene	2.0	0.50	0.13	ug/l	
75-69-4	Trichlorofluoromethane	ND	0.50	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	0.50	0.13	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	0.13	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	0.13	ug/l	
75-01-4	Vinyl Chloride	0.54	0.50	0.13	ug/l	
	m,p-Xylene	0.55	1.0	0.13	ug/l	J
95-47-6	o-Xylene	4.6	0.50	0.13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		83-118%
17060-07-0	1,2-Dichloroethane-D4	113%		79-125%
2037-26-5	Toluene-D8	95%		85-112%
460-00-4	4-Bromofluorobenzene	103%		83-118%

(a) Associated BS recovery outside control limits low.
(b) Associated ICV and CCV outside control limits high, sample is ND.
(c) Associated CCV outside of control limits high, sample is ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-2-20220623		
Lab Sample ID:	FA96864-2	**Date Sampled:**	06/23/22
Matrix:	AQ - Ground Water	**Date Received:**	06/25/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AGMORP: Univar; 8201 S 212th St, Kent, WA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A0233199.D	1	07/06/22 14:09	SS	n/a	n/a	VA3179
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	3.9	10	2.0	ug/l	J
71-43-2	Benzene	ND	0.50	0.13	ug/l	
108-86-1	Bromobenzene [a]	ND	0.50	0.13	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	0.13	ug/l	
75-25-2	Bromoform	ND	0.50	0.13	ug/l	
104-51-8	n-Butylbenzene [a]	ND	0.50	0.13	ug/l	
135-98-8	sec-Butylbenzene	ND	0.50	0.13	ug/l	
98-06-6	tert-Butylbenzene	ND	0.50	0.13	ug/l	
56-23-5	Carbon Tetrachloride	ND	0.50	0.13	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.13	ug/l	
75-00-3	Chloroethane	ND	0.50	0.20	ug/l	
67-66-3	Chloroform	ND	0.50	0.13	ug/l	
95-49-8	o-Chlorotoluene	ND	0.50	0.13	ug/l	
106-43-4	p-Chlorotoluene	ND	0.50	0.13	ug/l	
124-48-1	Dibromochloromethane [a]	ND	0.50	0.13	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.50	0.25	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.50	0.13	ug/l	
75-71-8	Dichlorodifluoromethane [b]	ND	0.50	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	0.50	0.13	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	0.50	0.13	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	0.50	0.13	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.50	0.13	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.13	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.67	0.50	0.13	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	0.13	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.13	ug/l	
142-28-9	1,3-Dichloropropane [a]	ND	0.50	0.13	ug/l	
594-20-7	2,2-Dichloropropane	0.0	0.50	0.13	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.13	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.13	ug/l	
100-41-4	Ethylbenzene	ND	0.50	0.13	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-2-20220623		
Lab Sample ID:	FA96864-2	**Date Sampled:**	06/23/22
Matrix:	AQ - Ground Water	**Date Received:**	06/25/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AGMORP: Univar; 8201 S 212th St, Kent, WA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
110-54-3	Hexane	ND	1.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	0.50	0.13	ug/l	
99-87-6	p-Isopropyltoluene	ND	0.50	0.13	ug/l	
74-83-9	Methyl Bromide	ND	0.50	0.20	ug/l	
74-87-3	Methyl Chloride [c]	ND	0.50	0.20	ug/l	
74-95-3	Methylene Bromide	ND	0.50	0.13	ug/l	
75-09-2	Methylene Chloride	1.8	2.0	1.0	ug/l	JB
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	2.5	1.3	ug/l	
103-65-1	n-Propylbenzene	ND	0.50	0.13	ug/l	
100-42-5	Styrene [a]	ND	0.50	0.13	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	0.13	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.13	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.13	ug/l	
108-88-3	Toluene	ND	0.50	0.13	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	0.13	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.13	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.13	ug/l	
79-01-6	Trichloroethylene	ND	0.50	0.13	ug/l	
75-69-4	Trichlorofluoromethane	ND	0.50	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	0.50	0.13	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	0.13	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	0.13	ug/l	
75-01-4	Vinyl Chloride	0.14	0.50	0.13	ug/l	J
	m,p-Xylene	ND	1.0	0.13	ug/l	
95-47-6	o-Xylene	ND	0.50	0.13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		83-118%
17060-07-0	1,2-Dichloroethane-D4	111%		79-125%
2037-26-5	Toluene-D8	94%		85-112%
460-00-4	4-Bromofluorobenzene	100%		83-118%

(a) Associated BS recovery outside control limits low.
(b) Associated ICV and CCV outside control limits high, sample is ND.
(c) Associated CCV outside of control limits high, sample is ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-3-20220623		
Lab Sample ID:	FA96864-3	**Date Sampled:**	06/23/22
Matrix:	AQ - Ground Water	**Date Received:**	06/25/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AGMORP: Univar; 8201 S 212th St, Kent, WA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A0233200.D	1	07/06/22 14:31	SS	n/a	n/a	VA3179
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	3.0	10	2.0	ug/l	J
71-43-2	Benzene	0.23	0.50	0.13	ug/l	J
108-86-1	Bromobenzene [a]	ND	0.50	0.13	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	0.13	ug/l	
75-25-2	Bromoform	ND	0.50	0.13	ug/l	
104-51-8	n-Butylbenzene [a]	ND	0.50	0.13	ug/l	
135-98-8	sec-Butylbenzene	ND	0.50	0.13	ug/l	
98-06-6	tert-Butylbenzene	ND	0.50	0.13	ug/l	
56-23-5	Carbon Tetrachloride	ND	0.50	0.13	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.13	ug/l	
75-00-3	Chloroethane	0.89	0.50	0.20	ug/l	
67-66-3	Chloroform	ND	0.50	0.13	ug/l	
95-49-8	o-Chlorotoluene	ND	0.50	0.13	ug/l	
106-43-4	p-Chlorotoluene	ND	0.50	0.13	ug/l	
124-48-1	Dibromochloromethane [a]	ND	0.50	0.13	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.50	0.25	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.50	0.13	ug/l	
75-71-8	Dichlorodifluoromethane [b]	ND	0.50	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	0.50	0.13	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	0.50	0.13	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	0.50	0.13	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.50	0.13	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.13	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.58	0.50	0.13	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	0.13	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.13	ug/l	
142-28-9	1,3-Dichloropropane [a]	ND	0.50	0.13	ug/l	
594-20-7	2,2-Dichloropropane	ND	0.50	0.13	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.13	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.13	ug/l	
100-41-4	Ethylbenzene	ND	0.50	0.13	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-3-20220623		
Lab Sample ID:	FA96864-3	**Date Sampled:**	06/23/22
Matrix:	AQ - Ground Water	**Date Received:**	06/25/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AGMORP: Univar; 8201 S 212th St, Kent, WA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
110-54-3	Hexane	ND	1.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	0.50	0.13	ug/l	
99-87-6	p-Isopropyltoluene	ND	0.50	0.13	ug/l	
74-83-9	Methyl Bromide	ND	0.50	0.20	ug/l	
74-87-3	Methyl Chloride [c]	ND	0.50	0.20	ug/l	
74-95-3	Methylene Bromide	ND	0.50	0.13	ug/l	
75-09-2	Methylene Chloride	1.7	2.0	1.0	ug/l	JB
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	2.5	1.3	ug/l	
103-65-1	n-Propylbenzene	ND	0.50	0.13	ug/l	
100-42-5	Styrene [a]	ND	0.50	0.13	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	0.13	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.13	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.13	ug/l	
108-88-3	Toluene	ND	0.50	0.13	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	0.13	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.13	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.13	ug/l	
79-01-6	Trichloroethylene	ND	0.50	0.13	ug/l	
75-69-4	Trichlorofluoromethane	ND	0.50	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	0.50	0.13	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	0.13	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	0.13	ug/l	
75-01-4	Vinyl Chloride	0.71	0.50	0.13	ug/l	
	m,p-Xylene	ND	1.0	0.13	ug/l	
95-47-6	o-Xylene	ND	0.50	0.13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		83-118%
17060-07-0	1,2-Dichloroethane-D4	115%		79-125%
2037-26-5	Toluene-D8	95%		85-112%
460-00-4	4-Bromofluorobenzene	100%		83-118%

(a) Associated BS recovery outside control limits low.
(b) Associated ICV and CCV outside control limits high, sample is ND.
(c) Associated CCV outside of control limits high, sample is ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-4-20220623		
Lab Sample ID:	FA96864-4	**Date Sampled:**	06/23/22
Matrix:	AQ - Ground Water	**Date Received:**	06/25/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AGMORP: Univar; 8201 S 212th St, Kent, WA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A0233201.D	1	07/06/22 14:54	SS	n/a	n/a	VA3179
Run #2 [a]	A0233456.D	2.5	07/15/22 14:00	KW	n/a	n/a	VA3189

	Purge Volume
Run #1	10.0 ml
Run #2	10.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	4.5	10	2.0	ug/l	J
71-43-2	Benzene	0.96	0.50	0.13	ug/l	
108-86-1	Bromobenzene [b]	ND	0.50	0.13	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	0.13	ug/l	
75-25-2	Bromoform	ND	0.50	0.13	ug/l	
104-51-8	n-Butylbenzene [b]	0.39	0.50	0.13	ug/l	J
135-98-8	sec-Butylbenzene	2.0	0.50	0.13	ug/l	
98-06-6	tert-Butylbenzene	0.34	0.50	0.13	ug/l	J
56-23-5	Carbon Tetrachloride	ND	0.50	0.13	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.13	ug/l	
75-00-3	Chloroethane	97.7 [c]	1.3	0.50	ug/l	
67-66-3	Chloroform	ND	0.50	0.13	ug/l	
95-49-8	o-Chlorotoluene	ND	0.50	0.13	ug/l	
106-43-4	p-Chlorotoluene	ND	0.50	0.13	ug/l	
124-48-1	Dibromochloromethane [b]	ND	0.50	0.13	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.50	0.25	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.50	0.13	ug/l	
75-71-8	Dichlorodifluoromethane [d]	ND	0.50	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	0.50	0.13	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	0.50	0.13	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	0.50	0.13	ug/l	
75-34-3	1,1-Dichloroethane	1.8	0.50	0.13	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.13	ug/l	
156-59-2	cis-1,2-Dichloroethylene	5.8	0.50	0.13	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.64	0.50	0.13	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.13	ug/l	
142-28-9	1,3-Dichloropropane [b]	ND	0.50	0.13	ug/l	
594-20-7	2,2-Dichloropropane	ND	0.50	0.13	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.13	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.13	ug/l	
100-41-4	Ethylbenzene	0.67	0.50	0.13	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-4-20220623		
Lab Sample ID:	FA96864-4	**Date Sampled:**	06/23/22
Matrix:	AQ - Ground Water	**Date Received:**	06/25/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AGMORP: Univar; 8201 S 212th St, Kent, WA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
110-54-3	Hexane	1.6	1.0	0.20	ug/l	
98-82-8	Isopropylbenzene	25.1	0.50	0.13	ug/l	
99-87-6	p-Isopropyltoluene	ND	0.50	0.13	ug/l	
74-83-9	Methyl Bromide	ND	0.50	0.20	ug/l	
74-87-3	Methyl Chloride [e]	0.28	0.50	0.20	ug/l	J
74-95-3	Methylene Bromide	ND	0.50	0.13	ug/l	
75-09-2	Methylene Chloride	2.0	2.0	1.0	ug/l	B
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	2.5	1.3	ug/l	
103-65-1	n-Propylbenzene	20.3	0.50	0.13	ug/l	
100-42-5	Styrene [b]	ND	0.50	0.13	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	0.13	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.13	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.13	ug/l	
108-88-3	Toluene	1.8	0.50	0.13	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	0.13	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.13	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.13	ug/l	
79-01-6	Trichloroethylene	ND	0.50	0.13	ug/l	
75-69-4	Trichlorofluoromethane	ND	0.50	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	0.50	0.13	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.15	0.50	0.13	ug/l	J
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	0.13	ug/l	
75-01-4	Vinyl Chloride	26.5	0.50	0.13	ug/l	
	m,p-Xylene	0.60	1.0	0.13	ug/l	J
95-47-6	o-Xylene	0.56	0.50	0.13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%	112%	83-118%
17060-07-0	1,2-Dichloroethane-D4	117%	122%	79-125%
2037-26-5	Toluene-D8	91%	93%	85-112%
460-00-4	4-Bromofluorobenzene	102%	101%	83-118%

(a) Sample re-analyzed beyond hold time.
(b) Associated BS recovery outside control limits low.
(c) Result is from Run# 2
(d) Associated ICV and CCV outside control limits high, sample is ND.
(e) Associated CCV outside of control limits high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-5-20220623		
Lab Sample ID:	FA96864-5	**Date Sampled:**	06/23/22
Matrix:	AQ - Ground Water	**Date Received:**	06/25/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AGMORP: Univar; 8201 S 212th St, Kent, WA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A0233202.D	1	07/06/22 15:18	SS	n/a	n/a	VA3179
Run #2 [a]	A0233431.D	2.5	07/14/22 18:18	KW	n/a	n/a	VA3188

	Purge Volume
Run #1	10.0 ml
Run #2	10.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	0.50	0.13	ug/l	
108-86-1	Bromobenzene [b]	ND	0.50	0.13	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	0.13	ug/l	
75-25-2	Bromoform	ND	0.50	0.13	ug/l	
104-51-8	n-Butylbenzene [b]	ND	0.50	0.13	ug/l	
135-98-8	sec-Butylbenzene	ND	0.50	0.13	ug/l	
98-06-6	tert-Butylbenzene	ND	0.50	0.13	ug/l	
56-23-5	Carbon Tetrachloride	ND	0.50	0.13	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.13	ug/l	
75-00-3	Chloroethane	ND	0.50	0.20	ug/l	
67-66-3	Chloroform	ND	0.50	0.13	ug/l	
95-49-8	o-Chlorotoluene	ND	0.50	0.13	ug/l	
106-43-4	p-Chlorotoluene	ND	0.50	0.13	ug/l	
124-48-1	Dibromochloromethane [b]	ND	0.50	0.13	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.50	0.25	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.50	0.13	ug/l	
75-71-8	Dichlorodifluoromethane [c]	ND	0.50	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	0.50	0.13	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	0.50	0.13	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	0.50	0.13	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.50	0.13	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.13	ug/l	
156-59-2	cis-1,2-Dichloroethylene	25.9	0.50	0.13	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	0.13	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.13	ug/l	
142-28-9	1,3-Dichloropropane [b]	ND	0.50	0.13	ug/l	
594-20-7	2,2-Dichloropropane	ND	0.50	0.13	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.13	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.13	ug/l	
100-41-4	Ethylbenzene	ND	0.50	0.13	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-5-20220623		
Lab Sample ID:	FA96864-5	**Date Sampled:**	06/23/22
Matrix:	AQ - Ground Water	**Date Received:**	06/25/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AGMORP: Univar; 8201 S 212th St, Kent, WA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
110-54-3	Hexane	ND	1.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	0.50	0.13	ug/l	
99-87-6	p-Isopropyltoluene	ND	0.50	0.13	ug/l	
74-83-9	Methyl Bromide	ND	0.50	0.20	ug/l	
74-87-3	Methyl Chloride [d]	ND	0.50	0.20	ug/l	
74-95-3	Methylene Bromide	ND	0.50	0.13	ug/l	
75-09-2	Methylene Chloride	ND	2.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	2.5	1.3	ug/l	
103-65-1	n-Propylbenzene	ND	0.50	0.13	ug/l	
100-42-5	Styrene [b]	ND	0.50	0.13	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	0.13	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.13	ug/l	
127-18-4	Tetrachloroethylene	60.1 [e]	1.3	0.31	ug/l	
108-88-3	Toluene	ND	0.50	0.13	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	0.13	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.13	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.13	ug/l	
79-01-6	Trichloroethylene	8.1	0.50	0.13	ug/l	
75-69-4	Trichlorofluoromethane	ND	0.50	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	0.50	0.13	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	0.13	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	0.13	ug/l	
75-01-4	Vinyl Chloride	ND	0.50	0.13	ug/l	
	m,p-Xylene	ND	1.0	0.13	ug/l	
95-47-6	o-Xylene	ND	0.50	0.13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%	113%	83-118%
17060-07-0	1,2-Dichloroethane-D4	114%	124%	79-125%
2037-26-5	Toluene-D8	96%	98%	85-112%
460-00-4	4-Bromofluorobenzene	101%	100%	83-118%

(a) Sample re-analyzed beyond hold time.
(b) Associated BS recovery outside control limits low.
(c) Associated ICV and CCV outside control limits high, sample is ND.
(d) Associated CCV outside of control limits high, sample is ND.
(e) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-6-20220623		
Lab Sample ID:	FA96864-6	**Date Sampled:**	06/23/22
Matrix:	AQ - Ground Water	**Date Received:**	06/25/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AGMORP: Univar; 8201 S 212th St, Kent, WA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A0233203.D	1	07/06/22 15:43	SS	n/a	n/a	VA3179
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	4.2	10	2.0	ug/l	J
71-43-2	Benzene	ND	0.50	0.13	ug/l	
108-86-1	Bromobenzene [a]	ND	0.50	0.13	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	0.13	ug/l	
75-25-2	Bromoform	ND	0.50	0.13	ug/l	
104-51-8	n-Butylbenzene [a]	ND	0.50	0.13	ug/l	
135-98-8	sec-Butylbenzene	ND	0.50	0.13	ug/l	
98-06-6	tert-Butylbenzene	ND	0.50	0.13	ug/l	
56-23-5	Carbon Tetrachloride	ND	0.50	0.13	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.13	ug/l	
75-00-3	Chloroethane	ND	0.50	0.20	ug/l	
67-66-3	Chloroform	ND	0.50	0.13	ug/l	
95-49-8	o-Chlorotoluene	ND	0.50	0.13	ug/l	
106-43-4	p-Chlorotoluene	ND	0.50	0.13	ug/l	
124-48-1	Dibromochloromethane [a]	ND	0.50	0.13	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.50	0.25	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.50	0.13	ug/l	
75-71-8	Dichlorodifluoromethane [b]	ND	0.50	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	0.50	0.13	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	0.50	0.13	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	0.50	0.13	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.50	0.13	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.13	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	0.13	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	0.13	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.13	ug/l	
142-28-9	1,3-Dichloropropane [a]	ND	0.50	0.13	ug/l	
594-20-7	2,2-Dichloropropane	ND	0.50	0.13	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.13	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.13	ug/l	
100-41-4	Ethylbenzene	ND	0.50	0.13	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-6-20220623		
Lab Sample ID:	FA96864-6	**Date Sampled:**	06/23/22
Matrix:	AQ - Ground Water	**Date Received:**	06/25/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AGMORP: Univar; 8201 S 212th St, Kent, WA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
110-54-3	Hexane	ND	1.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	0.50	0.13	ug/l	
99-87-6	p-Isopropyltoluene	ND	0.50	0.13	ug/l	
74-83-9	Methyl Bromide	ND	0.50	0.20	ug/l	
74-87-3	Methyl Chloride [c]	ND	0.50	0.20	ug/l	
74-95-3	Methylene Bromide	ND	0.50	0.13	ug/l	
75-09-2	Methylene Chloride	ND	2.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	2.5	1.3	ug/l	
103-65-1	n-Propylbenzene	ND	0.50	0.13	ug/l	
100-42-5	Styrene [a]	ND	0.50	0.13	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	0.13	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.13	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.13	ug/l	
108-88-3	Toluene	ND	0.50	0.13	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	0.13	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.13	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.13	ug/l	
79-01-6	Trichloroethylene	ND	0.50	0.13	ug/l	
75-69-4	Trichlorofluoromethane	ND	0.50	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	0.50	0.13	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	0.13	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	0.13	ug/l	
75-01-4	Vinyl Chloride	ND	0.50	0.13	ug/l	
	m,p-Xylene	ND	1.0	0.13	ug/l	
95-47-6	o-Xylene	ND	0.50	0.13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		83-118%
17060-07-0	1,2-Dichloroethane-D4	120%		79-125%
2037-26-5	Toluene-D8	92%		85-112%
460-00-4	4-Bromofluorobenzene	100%		83-118%

(a) Associated BS recovery outside control limits low.
(b) Associated ICV and CCV outside control limits high, sample is ND.
(c) Associated CCV outside of control limits high, sample is ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-7-20220623		
Lab Sample ID:	FA96864-7	**Date Sampled:**	06/23/22
Matrix:	AQ - Ground Water	**Date Received:**	06/25/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AGMORP: Univar; 8201 S 212th St, Kent, WA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A0233204.D	1	07/06/22 16:06	SS	n/a	n/a	VA3179
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	0.50	0.13	ug/l	
108-86-1	Bromobenzene [a]	ND	0.50	0.13	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	0.13	ug/l	
75-25-2	Bromoform	ND	0.50	0.13	ug/l	
104-51-8	n-Butylbenzene [a]	ND	0.50	0.13	ug/l	
135-98-8	sec-Butylbenzene	ND	0.50	0.13	ug/l	
98-06-6	tert-Butylbenzene	ND	0.50	0.13	ug/l	
56-23-5	Carbon Tetrachloride	ND	0.50	0.13	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.13	ug/l	
75-00-3	Chloroethane	ND	0.50	0.20	ug/l	
67-66-3	Chloroform	ND	0.50	0.13	ug/l	
95-49-8	o-Chlorotoluene	ND	0.50	0.13	ug/l	
106-43-4	p-Chlorotoluene	ND	0.50	0.13	ug/l	
124-48-1	Dibromochloromethane [a]	ND	0.50	0.13	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.50	0.25	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.50	0.13	ug/l	
75-71-8	Dichlorodifluoromethane [b]	ND	0.50	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	0.50	0.13	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	0.50	0.13	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	0.50	0.13	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.50	0.13	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.13	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	0.13	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	0.13	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.13	ug/l	
142-28-9	1,3-Dichloropropane [a]	ND	0.50	0.13	ug/l	
594-20-7	2,2-Dichloropropane	ND	0.50	0.13	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.13	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.13	ug/l	
100-41-4	Ethylbenzene	ND	0.50	0.13	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-7-20220623		
Lab Sample ID:	FA96864-7	**Date Sampled:**	06/23/22
Matrix:	AQ - Ground Water	**Date Received:**	06/25/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AGMORP: Univar; 8201 S 212th St, Kent, WA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
110-54-3	Hexane	ND	1.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	0.50	0.13	ug/l	
99-87-6	p-Isopropyltoluene	ND	0.50	0.13	ug/l	
74-83-9	Methyl Bromide	ND	0.50	0.20	ug/l	
74-87-3	Methyl Chloride [c]	ND	0.50	0.20	ug/l	
74-95-3	Methylene Bromide	ND	0.50	0.13	ug/l	
75-09-2	Methylene Chloride	1.6	2.0	1.0	ug/l	JB
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	2.5	1.3	ug/l	
103-65-1	n-Propylbenzene	ND	0.50	0.13	ug/l	
100-42-5	Styrene [a]	ND	0.50	0.13	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	0.13	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.13	ug/l	
127-18-4	Tetrachloroethylene	3.6	0.50	0.13	ug/l	
108-88-3	Toluene	ND	0.50	0.13	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	0.13	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.13	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.13	ug/l	
79-01-6	Trichloroethylene	ND	0.50	0.13	ug/l	
75-69-4	Trichlorofluoromethane	ND	0.50	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	0.50	0.13	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	0.13	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	0.13	ug/l	
75-01-4	Vinyl Chloride	ND	0.50	0.13	ug/l	
	m,p-Xylene	ND	1.0	0.13	ug/l	
95-47-6	o-Xylene	ND	0.50	0.13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		83-118%
17060-07-0	1,2-Dichloroethane-D4	118%		79-125%
2037-26-5	Toluene-D8	98%		85-112%
460-00-4	4-Bromofluorobenzene	100%		83-118%

(a) Associated BS recovery outside control limits low.
(b) Associated ICV and CCV outside control limits high, sample is ND.
(c) Associated CCV outside of control limits high, sample is ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-8-20220623		
Lab Sample ID:	FA96864-8	**Date Sampled:**	06/23/22
Matrix:	AQ - Ground Water	**Date Received:**	06/25/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AGMORP: Univar; 8201 S 212th St, Kent, WA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A0233205.D	1	07/06/22 16:36	SS	n/a	n/a	VA3179
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	2.1	10	2.0	ug/l	J
71-43-2	Benzene	ND	0.50	0.13	ug/l	
108-86-1	Bromobenzene [a]	ND	0.50	0.13	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	0.13	ug/l	
75-25-2	Bromoform	ND	0.50	0.13	ug/l	
104-51-8	n-Butylbenzene [a]	ND	0.50	0.13	ug/l	
135-98-8	sec-Butylbenzene	ND	0.50	0.13	ug/l	
98-06-6	tert-Butylbenzene	ND	0.50	0.13	ug/l	
56-23-5	Carbon Tetrachloride	ND	0.50	0.13	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.13	ug/l	
75-00-3	Chloroethane	ND	0.50	0.20	ug/l	
67-66-3	Chloroform	ND	0.50	0.13	ug/l	
95-49-8	o-Chlorotoluene	ND	0.50	0.13	ug/l	
106-43-4	p-Chlorotoluene	ND	0.50	0.13	ug/l	
124-48-1	Dibromochloromethane [a]	ND	0.50	0.13	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.50	0.25	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.50	0.13	ug/l	
75-71-8	Dichlorodifluoromethane [b]	ND	0.50	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	0.50	0.13	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	0.50	0.13	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	0.50	0.13	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.50	0.13	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	ug/l	
75-35-4	1,1-Dichloroethylene	0.23	0.50	0.13	ug/l	J
156-59-2	cis-1,2-Dichloroethylene	0.78	0.50	0.13	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	0.13	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.13	ug/l	
142-28-9	1,3-Dichloropropane [a]	ND	0.50	0.13	ug/l	
594-20-7	2,2-Dichloropropane	ND	0.50	0.13	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.13	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.13	ug/l	
100-41-4	Ethylbenzene	ND	0.50	0.13	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-8-20220623		
Lab Sample ID:	FA96864-8	**Date Sampled:**	06/23/22
Matrix:	AQ - Ground Water	**Date Received:**	06/25/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AGMORP: Univar; 8201 S 212th St, Kent, WA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
110-54-3	Hexane	ND	1.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	0.50	0.13	ug/l	
99-87-6	p-Isopropyltoluene	ND	0.50	0.13	ug/l	
74-83-9	Methyl Bromide	ND	0.50	0.20	ug/l	
74-87-3	Methyl Chloride [c]	ND	0.50	0.20	ug/l	
74-95-3	Methylene Bromide	ND	0.50	0.13	ug/l	
75-09-2	Methylene Chloride	1.7	2.0	1.0	ug/l	JB
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	2.5	1.3	ug/l	
103-65-1	n-Propylbenzene	ND	0.50	0.13	ug/l	
100-42-5	Styrene [a]	ND	0.50	0.13	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	0.13	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.13	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.13	ug/l	
108-88-3	Toluene	ND	0.50	0.13	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	0.13	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.13	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.13	ug/l	
79-01-6	Trichloroethylene	2.5	0.50	0.13	ug/l	
75-69-4	Trichlorofluoromethane	ND	0.50	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	0.50	0.13	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	0.13	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	0.13	ug/l	
75-01-4	Vinyl Chloride	ND	0.50	0.13	ug/l	
	m,p-Xylene	ND	1.0	0.13	ug/l	
95-47-6	o-Xylene	ND	0.50	0.13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		83-118%
17060-07-0	1,2-Dichloroethane-D4	121%		79-125%
2037-26-5	Toluene-D8	98%		85-112%
460-00-4	4-Bromofluorobenzene	99%		83-118%

(a) Associated BS recovery outside control limits low.
(b) Associated ICV and CCV outside control limits high, sample is ND.
(c) Associated CCV outside of control limits high, sample is ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-9-20220623		
Lab Sample ID:	FA96864-9	**Date Sampled:**	06/23/22
Matrix:	AQ - Ground Water	**Date Received:**	06/25/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AGMORP: Univar; 8201 S 212th St, Kent, WA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A0233210.D	1	07/06/22 18:27	SS	n/a	n/a	VA3179
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	3.3	10	2.0	ug/l	J
71-43-2	Benzene	ND	0.50	0.13	ug/l	
108-86-1	Bromobenzene [a]	ND	0.50	0.13	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	0.13	ug/l	
75-25-2	Bromoform	ND	0.50	0.13	ug/l	
104-51-8	n-Butylbenzene [a]	ND	0.50	0.13	ug/l	
135-98-8	sec-Butylbenzene	ND	0.50	0.13	ug/l	
98-06-6	tert-Butylbenzene	ND	0.50	0.13	ug/l	
56-23-5	Carbon Tetrachloride	ND	0.50	0.13	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.13	ug/l	
75-00-3	Chloroethane	ND	0.50	0.20	ug/l	
67-66-3	Chloroform	ND	0.50	0.13	ug/l	
95-49-8	o-Chlorotoluene	ND	0.50	0.13	ug/l	
106-43-4	p-Chlorotoluene	ND	0.50	0.13	ug/l	
124-48-1	Dibromochloromethane [a]	ND	0.50	0.13	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.50	0.25	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.50	0.13	ug/l	
75-71-8	Dichlorodifluoromethane [b]	ND	0.50	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	0.50	0.13	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	0.50	0.13	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	0.50	0.13	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.50	0.13	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.13	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.40	0.50	0.13	ug/l	J
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	0.13	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.13	ug/l	
142-28-9	1,3-Dichloropropane [a]	ND	0.50	0.13	ug/l	
594-20-7	2,2-Dichloropropane	ND	0.50	0.13	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.13	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.13	ug/l	
100-41-4	Ethylbenzene	ND	0.50	0.13	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-9-20220623		
Lab Sample ID:	FA96864-9	**Date Sampled:**	06/23/22
Matrix:	AQ - Ground Water	**Date Received:**	06/25/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AGMORP: Univar; 8201 S 212th St, Kent, WA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
110-54-3	Hexane	ND	1.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	0.50	0.13	ug/l	
99-87-6	p-Isopropyltoluene	ND	0.50	0.13	ug/l	
74-83-9	Methyl Bromide	ND	0.50	0.20	ug/l	
74-87-3	Methyl Chloride [c]	ND	0.50	0.20	ug/l	
74-95-3	Methylene Bromide	ND	0.50	0.13	ug/l	
75-09-2	Methylene Chloride	1.6	2.0	1.0	ug/l	JB
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	2.5	1.3	ug/l	
103-65-1	n-Propylbenzene	ND	0.50	0.13	ug/l	
100-42-5	Styrene [a]	ND	0.50	0.13	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	0.13	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.13	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.13	ug/l	
108-88-3	Toluene	ND	0.50	0.13	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	0.13	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.13	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.13	ug/l	
79-01-6	Trichloroethylene	0.80	0.50	0.13	ug/l	
75-69-4	Trichlorofluoromethane	ND	0.50	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	0.50	0.13	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	0.13	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	0.13	ug/l	
75-01-4	Vinyl Chloride	ND	0.50	0.13	ug/l	
	m,p-Xylene	ND	1.0	0.13	ug/l	
95-47-6	o-Xylene	ND	0.50	0.13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		83-118%
17060-07-0	1,2-Dichloroethane-D4	120%		79-125%
2037-26-5	Toluene-D8	93%		85-112%
460-00-4	4-Bromofluorobenzene	99%		83-118%

(a) Associated BS recovery outside control limits low.
(b) Associated ICV and CCV outside control limits high, sample is ND.
(c) Associated CCV outside of control limits high, sample is ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-10-20220623		
Lab Sample ID:	FA96864-10	**Date Sampled:**	06/23/22
Matrix:	AQ - Ground Water	**Date Received:**	06/25/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AGMORP: Univar; 8201 S 212th St, Kent, WA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A0233211.D	1	07/06/22 18:50	SS	n/a	n/a	VA3179
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	0.50	0.13	ug/l	
108-86-1	Bromobenzene [a]	ND	0.50	0.13	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	0.13	ug/l	
75-25-2	Bromoform	ND	0.50	0.13	ug/l	
104-51-8	n-Butylbenzene [a]	ND	0.50	0.13	ug/l	
135-98-8	sec-Butylbenzene	ND	0.50	0.13	ug/l	
98-06-6	tert-Butylbenzene	ND	0.50	0.13	ug/l	
56-23-5	Carbon Tetrachloride	ND	0.50	0.13	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.13	ug/l	
75-00-3	Chloroethane	ND	0.50	0.20	ug/l	
67-66-3	Chloroform	ND	0.50	0.13	ug/l	
95-49-8	o-Chlorotoluene	ND	0.50	0.13	ug/l	
106-43-4	p-Chlorotoluene	ND	0.50	0.13	ug/l	
124-48-1	Dibromochloromethane [a]	ND	0.50	0.13	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.50	0.25	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.50	0.13	ug/l	
75-71-8	Dichlorodifluoromethane [b]	ND	0.50	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	0.50	0.13	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	0.50	0.13	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	0.50	0.13	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.50	0.13	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.13	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	0.13	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	0.13	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.13	ug/l	
142-28-9	1,3-Dichloropropane [a]	ND	0.50	0.13	ug/l	
594-20-7	2,2-Dichloropropane	ND	0.50	0.13	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.13	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.13	ug/l	
100-41-4	Ethylbenzene	ND	0.50	0.13	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-10-20220623		
Lab Sample ID:	FA96864-10	**Date Sampled:**	06/23/22
Matrix:	AQ - Ground Water	**Date Received:**	06/25/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AGMORP: Univar; 8201 S 212th St, Kent, WA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
110-54-3	Hexane	ND	1.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	0.50	0.13	ug/l	
99-87-6	p-Isopropyltoluene	ND	0.50	0.13	ug/l	
74-83-9	Methyl Bromide	ND	0.50	0.20	ug/l	
74-87-3	Methyl Chloride [c]	ND	0.50	0.20	ug/l	
74-95-3	Methylene Bromide	ND	0.50	0.13	ug/l	
75-09-2	Methylene Chloride	1.7	2.0	1.0	ug/l	JB
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	2.5	1.3	ug/l	
103-65-1	n-Propylbenzene	ND	0.50	0.13	ug/l	
100-42-5	Styrene [a]	ND	0.50	0.13	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	0.13	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.13	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.13	ug/l	
108-88-3	Toluene	ND	0.50	0.13	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	0.13	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.13	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.13	ug/l	
79-01-6	Trichloroethylene	ND	0.50	0.13	ug/l	
75-69-4	Trichlorofluoromethane	ND	0.50	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	0.50	0.13	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	0.13	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	0.13	ug/l	
75-01-4	Vinyl Chloride	ND	0.50	0.13	ug/l	
	m,p-Xylene	ND	1.0	0.13	ug/l	
95-47-6	o-Xylene	ND	0.50	0.13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		83-118%
17060-07-0	1,2-Dichloroethane-D4	120%		79-125%
2037-26-5	Toluene-D8	93%		85-112%
460-00-4	4-Bromofluorobenzene	101%		83-118%

(a) Associated BS recovery outside control limits low.
(b) Associated ICV and CCV outside control limits high, sample is ND.
(c) Associated CCV outside of control limits high, sample is ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-12-20220623		
Lab Sample ID:	FA96864-11	**Date Sampled:**	06/23/22
Matrix:	AQ - Ground Water	**Date Received:**	06/25/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AGMORP: Univar; 8201 S 212th St, Kent, WA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A0233212.D	1	07/06/22 19:12	SS	n/a	n/a	VA3179
Run #2 [a]	A0233432.D	2	07/14/22 18:40	KW	n/a	n/a	VA3188

	Purge Volume
Run #1	10.0 ml
Run #2	10.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	0.50	0.13	ug/l	
108-86-1	Bromobenzene [b]	ND	0.50	0.13	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	0.13	ug/l	
75-25-2	Bromoform	ND	0.50	0.13	ug/l	
104-51-8	n-Butylbenzene [b]	ND	0.50	0.13	ug/l	
135-98-8	sec-Butylbenzene	ND	0.50	0.13	ug/l	
98-06-6	tert-Butylbenzene	ND	0.50	0.13	ug/l	
56-23-5	Carbon Tetrachloride	ND	0.50	0.13	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.13	ug/l	
75-00-3	Chloroethane	ND	0.50	0.20	ug/l	
67-66-3	Chloroform	ND	0.50	0.13	ug/l	
95-49-8	o-Chlorotoluene	ND	0.50	0.13	ug/l	
106-43-4	p-Chlorotoluene	ND	0.50	0.13	ug/l	
124-48-1	Dibromochloromethane [b]	ND	0.50	0.13	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.50	0.25	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.50	0.13	ug/l	
75-71-8	Dichlorodifluoromethane [c]	ND	0.50	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	0.50	0.13	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	0.50	0.13	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	0.50	0.13	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.50	0.13	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.13	ug/l	
156-59-2	cis-1,2-Dichloroethylene	28.7	0.50	0.13	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	0.13	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.13	ug/l	
142-28-9	1,3-Dichloropropane [b]	ND	0.50	0.13	ug/l	
594-20-7	2,2-Dichloropropane	ND	0.50	0.13	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.13	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.13	ug/l	
100-41-4	Ethylbenzene	ND	0.50	0.13	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-12-20220623		
Lab Sample ID:	FA96864-11	**Date Sampled:**	06/23/22
Matrix:	AQ - Ground Water	**Date Received:**	06/25/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AGMORP: Univar; 8201 S 212th St, Kent, WA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
110-54-3	Hexane	ND	1.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	0.50	0.13	ug/l	
99-87-6	p-Isopropyltoluene	ND	0.50	0.13	ug/l	
74-83-9	Methyl Bromide	ND	0.50	0.20	ug/l	
74-87-3	Methyl Chloride [d]	ND	0.50	0.20	ug/l	
74-95-3	Methylene Bromide	ND	0.50	0.13	ug/l	
75-09-2	Methylene Chloride	1.7	2.0	1.0	ug/l	JB
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	2.5	1.3	ug/l	
103-65-1	n-Propylbenzene	ND	0.50	0.13	ug/l	
100-42-5	Styrene [b]	ND	0.50	0.13	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	0.13	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.13	ug/l	
127-18-4	Tetrachloroethylene	86.1 [e]	1.0	0.25	ug/l	
108-88-3	Toluene	ND	0.50	0.13	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	0.13	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.13	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.13	ug/l	
79-01-6	Trichloroethylene	5.1	0.50	0.13	ug/l	
75-69-4	Trichlorofluoromethane	ND	0.50	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	0.50	0.13	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	0.13	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	0.13	ug/l	
75-01-4	Vinyl Chloride	1.6	0.50	0.13	ug/l	
	m,p-Xylene	ND	1.0	0.13	ug/l	
95-47-6	o-Xylene	ND	0.50	0.13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%	112%	83-118%
17060-07-0	1,2-Dichloroethane-D4	123%	124%	79-125%
2037-26-5	Toluene-D8	96%	98%	85-112%
460-00-4	4-Bromofluorobenzene	100%	97%	83-118%

(a) Sample re-analyzed beyond hold time.
(b) Associated BS recovery outside control limits low.
(c) Associated ICV and CCV outside control limits high, sample is ND.
(d) Associated CCV outside of control limits high, sample is ND.
(e) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-23-20220623		
Lab Sample ID:	FA96864-12	**Date Sampled:**	06/23/22
Matrix:	AQ - Ground Water	**Date Received:**	06/25/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AGMORP: Univar; 8201 S 212th St, Kent, WA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A0233213.D	1	07/06/22 19:34	SS	n/a	n/a	VA3179
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	0.50	0.13	ug/l	
108-86-1	Bromobenzene [a]	ND	0.50	0.13	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	0.13	ug/l	
75-25-2	Bromoform	ND	0.50	0.13	ug/l	
104-51-8	n-Butylbenzene [a]	ND	0.50	0.13	ug/l	
135-98-8	sec-Butylbenzene	ND	0.50	0.13	ug/l	
98-06-6	tert-Butylbenzene	ND	0.50	0.13	ug/l	
56-23-5	Carbon Tetrachloride	ND	0.50	0.13	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.13	ug/l	
75-00-3	Chloroethane	ND	0.50	0.20	ug/l	
67-66-3	Chloroform	ND	0.50	0.13	ug/l	
95-49-8	o-Chlorotoluene	ND	0.50	0.13	ug/l	
106-43-4	p-Chlorotoluene	ND	0.50	0.13	ug/l	
124-48-1	Dibromochloromethane [a]	ND	0.50	0.13	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.50	0.25	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.50	0.13	ug/l	
75-71-8	Dichlorodifluoromethane [b]	ND	0.50	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	0.50	0.13	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	0.50	0.13	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	0.50	0.13	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.50	0.13	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.13	ug/l	
156-59-2	cis-1,2-Dichloroethylene	1.8	0.50	0.13	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	0.13	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.13	ug/l	
142-28-9	1,3-Dichloropropane [a]	ND	0.50	0.13	ug/l	
594-20-7	2,2-Dichloropropane	ND	0.50	0.13	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.13	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.13	ug/l	
100-41-4	Ethylbenzene	ND	0.50	0.13	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-23-20220623		
Lab Sample ID:	FA96864-12	**Date Sampled:**	06/23/22
Matrix:	AQ - Ground Water	**Date Received:**	06/25/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AGMORP: Univar; 8201 S 212th St, Kent, WA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
110-54-3	Hexane	ND	1.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	0.50	0.13	ug/l	
99-87-6	p-Isopropyltoluene	ND	0.50	0.13	ug/l	
74-83-9	Methyl Bromide	ND	0.50	0.20	ug/l	
74-87-3	Methyl Chloride [c]	ND	0.50	0.20	ug/l	
74-95-3	Methylene Bromide	ND	0.50	0.13	ug/l	
75-09-2	Methylene Chloride	1.7	2.0	1.0	ug/l	JB
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	2.5	1.3	ug/l	
103-65-1	n-Propylbenzene	ND	0.50	0.13	ug/l	
100-42-5	Styrene [a]	ND	0.50	0.13	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	0.13	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.13	ug/l	
127-18-4	Tetrachloroethylene	9.6	0.50	0.13	ug/l	
108-88-3	Toluene	ND	0.50	0.13	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	0.13	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.13	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.13	ug/l	
79-01-6	Trichloroethylene	0.92	0.50	0.13	ug/l	
75-69-4	Trichlorofluoromethane	ND	0.50	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	0.50	0.13	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	0.13	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	0.13	ug/l	
75-01-4	Vinyl Chloride	2.3	0.50	0.13	ug/l	
	m,p-Xylene	ND	1.0	0.13	ug/l	
95-47-6	o-Xylene	ND	0.50	0.13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		83-118%
17060-07-0	1,2-Dichloroethane-D4	123%		79-125%
2037-26-5	Toluene-D8	99%		85-112%
460-00-4	4-Bromofluorobenzene	101%		83-118%

(a) Associated BS recovery outside control limits low.
(b) Associated ICV and CCV outside control limits high, sample is ND.
(c) Associated CCV outside of control limits high, sample is ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-13-20220623		
Lab Sample ID:	FA96864-13	**Date Sampled:**	06/23/22
Matrix:	AQ - Ground Water	**Date Received:**	06/25/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AGMORP: Univar; 8201 S 212th St, Kent, WA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A0233214.D	1	07/06/22 19:57	SS	n/a	n/a	VA3179
Run #2 [a]	A0233433.D	5	07/14/22 19:02	KW	n/a	n/a	VA3188

	Purge Volume
Run #1	10.0 ml
Run #2	10.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	4.2	10	2.0	ug/l	J
71-43-2	Benzene	0.41	0.50	0.13	ug/l	J
108-86-1	Bromobenzene [b]	ND	0.50	0.13	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	0.13	ug/l	
75-25-2	Bromoform	ND	0.50	0.13	ug/l	
104-51-8	n-Butylbenzene [b]	0.29	0.50	0.13	ug/l	J
135-98-8	sec-Butylbenzene	0.91	0.50	0.13	ug/l	
98-06-6	tert-Butylbenzene	ND	0.50	0.13	ug/l	
56-23-5	Carbon Tetrachloride	ND	0.50	0.13	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.13	ug/l	
75-00-3	Chloroethane [c]	85.8 [d]	2.5	1.0	ug/l	
67-66-3	Chloroform	0.95	0.50	0.13	ug/l	
95-49-8	o-Chlorotoluene	1.1	0.50	0.13	ug/l	
106-43-4	p-Chlorotoluene	ND	0.50	0.13	ug/l	
124-48-1	Dibromochloromethane [b]	ND	0.50	0.13	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.50	0.25	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.50	0.13	ug/l	
75-71-8	Dichlorodifluoromethane [e]	ND	0.50	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	0.50	0.13	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	0.50	0.13	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	0.50	0.13	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.50	0.13	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.13	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.48	0.50	0.13	ug/l	J
156-60-5	trans-1,2-Dichloroethylene	2.9	0.50	0.13	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.13	ug/l	
142-28-9	1,3-Dichloropropane [b]	ND	0.50	0.13	ug/l	
594-20-7	2,2-Dichloropropane	ND	0.50	0.13	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.13	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.13	ug/l	
100-41-4	Ethylbenzene	13.4	0.50	0.13	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-13-20220623		
Lab Sample ID:	FA96864-13	**Date Sampled:**	06/23/22
Matrix:	AQ - Ground Water	**Date Received:**	06/25/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AGMORP: Univar; 8201 S 212th St, Kent, WA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
110-54-3	Hexane	10.9	1.0	0.20	ug/l	
98-82-8	Isopropylbenzene	33.3	0.50	0.13	ug/l	
99-87-6	p-Isopropyltoluene	0.34	0.50	0.13	ug/l	J
74-83-9	Methyl Bromide	ND	0.50	0.20	ug/l	
74-87-3	Methyl Chloride [f]	ND	0.50	0.20	ug/l	
74-95-3	Methylene Bromide	ND	0.50	0.13	ug/l	
75-09-2	Methylene Chloride	1.8	2.0	1.0	ug/l	JB
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	2.5	1.3	ug/l	
103-65-1	n-Propylbenzene	44.8	0.50	0.13	ug/l	
100-42-5	Styrene [b]	ND	0.50	0.13	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	0.13	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.13	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.13	ug/l	
108-88-3	Toluene	0.89	0.50	0.13	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	0.13	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.13	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.13	ug/l	
79-01-6	Trichloroethylene	ND	0.50	0.13	ug/l	
75-69-4	Trichlorofluoromethane	ND	0.50	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	0.50	0.13	ug/l	
95-63-6	1,2,4-Trimethylbenzene	75.0 [d]	2.5	0.63	ug/l	
108-67-8	1,3,5-Trimethylbenzene	7.9	0.50	0.13	ug/l	
75-01-4	Vinyl Chloride	0.70	0.50	0.13	ug/l	
	m,p-Xylene	156 [d]	5.0	0.63	ug/l	
95-47-6	o-Xylene	ND [d]	2.5	0.63	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%	122% [g]	83-118%
17060-07-0	1,2-Dichloroethane-D4	126% [g]	135% [g]	79-125%
2037-26-5	Toluene-D8	95%	98%	85-112%
460-00-4	4-Bromofluorobenzene	99%	93%	83-118%

(a) Sample re-analyzed beyond hold time.
(b) Associated BS recovery outside control limits low.
(c) Associated Initial Calibration outside control limits (%RSD > 15%).
(d) Result is from Run# 2
(e) Associated ICV and CCV outside control limits high, sample is ND.
(f) Associated CCV outside of control limits high, sample is ND.
(g) Outside control limits.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-14-20220623		
Lab Sample ID:	FA96864-14	**Date Sampled:**	06/23/22
Matrix:	AQ - Ground Water	**Date Received:**	06/25/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AGMORP: Univar; 8201 S 212th St, Kent, WA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A0233215.D	1	07/06/22 20:19	SS	n/a	n/a	VA3179
Run #2 [a]	A0233430.D	1	07/14/22 17:55	KW	n/a	n/a	VA3188

	Purge Volume
Run #1	10.0 ml
Run #2	10.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	3.7	10	2.0	ug/l	J
71-43-2	Benzene	ND	0.50	0.13	ug/l	
108-86-1	Bromobenzene [b]	ND	0.50	0.13	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	0.13	ug/l	
75-25-2	Bromoform	ND	0.50	0.13	ug/l	
104-51-8	n-Butylbenzene [b]	ND	0.50	0.13	ug/l	
135-98-8	sec-Butylbenzene	0.15	0.50	0.13	ug/l	J
98-06-6	tert-Butylbenzene	ND	0.50	0.13	ug/l	
56-23-5	Carbon Tetrachloride	ND	0.50	0.13	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.13	ug/l	
75-00-3	Chloroethane	ND	0.50	0.20	ug/l	
67-66-3	Chloroform	ND	0.50	0.13	ug/l	
95-49-8	o-Chlorotoluene	ND	0.50	0.13	ug/l	
106-43-4	p-Chlorotoluene	ND	0.50	0.13	ug/l	
124-48-1	Dibromochloromethane [b]	ND	0.50	0.13	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.50	0.25	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.50	0.13	ug/l	
75-71-8	Dichlorodifluoromethane [c]	ND	0.50	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	0.50	0.13	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	0.50	0.13	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	0.50	0.13	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.50	0.13	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.13	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	0.13	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	0.13	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.13	ug/l	
142-28-9	1,3-Dichloropropane [b]	ND	0.50	0.13	ug/l	
594-20-7	2,2-Dichloropropane	ND	0.50	0.13	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.13	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.13	ug/l	
100-41-4	Ethylbenzene	ND	0.50	0.13	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-14-20220623		
Lab Sample ID:	FA96864-14	**Date Sampled:**	06/23/22
Matrix:	AQ - Ground Water	**Date Received:**	06/25/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AGMORP: Univar; 8201 S 212th St, Kent, WA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
110-54-3	Hexane	ND	1.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	0.50	0.13	ug/l	
99-87-6	p-Isopropyltoluene	ND	0.50	0.13	ug/l	
74-83-9	Methyl Bromide	ND	0.50	0.20	ug/l	
74-87-3	Methyl Chloride [d]	ND	0.50	0.20	ug/l	
74-95-3	Methylene Bromide	ND	0.50	0.13	ug/l	
75-09-2	Methylene Chloride	1.7	2.0	1.0	ug/l	JB
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	2.5	1.3	ug/l	
103-65-1	n-Propylbenzene	ND	0.50	0.13	ug/l	
100-42-5	Styrene [b]	ND	0.50	0.13	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	0.13	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.13	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.13	ug/l	
108-88-3	Toluene	ND	0.50	0.13	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	0.13	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.13	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.13	ug/l	
79-01-6	Trichloroethylene	ND	0.50	0.13	ug/l	
75-69-4	Trichlorofluoromethane	ND	0.50	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	0.50	0.13	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND [e]	0.50	0.13	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	0.13	ug/l	
75-01-4	Vinyl Chloride	ND	0.50	0.13	ug/l	
	m,p-Xylene	ND	1.0	0.13	ug/l	
95-47-6	o-Xylene	ND	0.50	0.13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%	114%	83-118%
17060-07-0	1,2-Dichloroethane-D4	122%	126% [f]	79-125%
2037-26-5	Toluene-D8	94%	96%	85-112%
460-00-4	4-Bromofluorobenzene	99%	98%	83-118%

(a) Sample re-analyzed beyond hold time.
(b) Associated BS recovery outside control limits low.
(c) Associated ICV and CCV outside control limits high, sample is ND.
(d) Associated CCV outside of control limits high, sample is ND.
(e) Result is from Run# 2
(f) Outside control limits; associated analytes ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-16-20220623		
Lab Sample ID:	FA96864-15	**Date Sampled:**	06/23/22
Matrix:	AQ - Ground Water	**Date Received:**	06/25/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AGMORP: Univar; 8201 S 212th St, Kent, WA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A0233216.D	1	07/06/22 20:41	SS	n/a	n/a	VA3179
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	4.1	10	2.0	ug/l	J
71-43-2	Benzene	ND	0.50	0.13	ug/l	
108-86-1	Bromobenzene [a]	ND	0.50	0.13	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	0.13	ug/l	
75-25-2	Bromoform	ND	0.50	0.13	ug/l	
104-51-8	n-Butylbenzene [a]	ND	0.50	0.13	ug/l	
135-98-8	sec-Butylbenzene	ND	0.50	0.13	ug/l	
98-06-6	tert-Butylbenzene	ND	0.50	0.13	ug/l	
56-23-5	Carbon Tetrachloride	ND	0.50	0.13	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.13	ug/l	
75-00-3	Chloroethane	ND	0.50	0.20	ug/l	
67-66-3	Chloroform	ND	0.50	0.13	ug/l	
95-49-8	o-Chlorotoluene	ND	0.50	0.13	ug/l	
106-43-4	p-Chlorotoluene	ND	0.50	0.13	ug/l	
124-48-1	Dibromochloromethane [a]	ND	0.50	0.13	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.50	0.25	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.50	0.13	ug/l	
75-71-8	Dichlorodifluoromethane [b]	ND	0.50	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	0.50	0.13	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	0.50	0.13	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	0.50	0.13	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.50	0.13	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.13	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	0.13	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	0.13	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.13	ug/l	
142-28-9	1,3-Dichloropropane [a]	ND	0.50	0.13	ug/l	
594-20-7	2,2-Dichloropropane	ND	0.50	0.13	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.13	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.13	ug/l	
100-41-4	Ethylbenzene	ND	0.50	0.13	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-16-20220623		
Lab Sample ID:	FA96864-15	**Date Sampled:**	06/23/22
Matrix:	AQ - Ground Water	**Date Received:**	06/25/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AGMORP: Univar; 8201 S 212th St, Kent, WA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
110-54-3	Hexane	ND	1.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	0.50	0.13	ug/l	
99-87-6	p-Isopropyltoluene	ND	0.50	0.13	ug/l	
74-83-9	Methyl Bromide	ND	0.50	0.20	ug/l	
74-87-3	Methyl Chloride [c]	ND	0.50	0.20	ug/l	
74-95-3	Methylene Bromide	ND	0.50	0.13	ug/l	
75-09-2	Methylene Chloride	1.7	2.0	1.0	ug/l	JB
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	2.5	1.3	ug/l	
103-65-1	n-Propylbenzene	ND	0.50	0.13	ug/l	
100-42-5	Styrene [a]	ND	0.50	0.13	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	0.13	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.13	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.13	ug/l	
108-88-3	Toluene	ND	0.50	0.13	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	0.13	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.13	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.13	ug/l	
79-01-6	Trichloroethylene	ND	0.50	0.13	ug/l	
75-69-4	Trichlorofluoromethane	ND	0.50	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	0.50	0.13	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	0.13	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	0.13	ug/l	
75-01-4	Vinyl Chloride	0.69	0.50	0.13	ug/l	
	m,p-Xylene	ND	1.0	0.13	ug/l	
95-47-6	o-Xylene	ND	0.50	0.13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		83-118%
17060-07-0	1,2-Dichloroethane-D4	123%		79-125%
2037-26-5	Toluene-D8	97%		85-112%
460-00-4	4-Bromofluorobenzene	98%		83-118%

(a) Associated BS recovery outside control limits low.
(b) Associated ICV and CCV outside control limits high, sample is ND.
(c) Associated CCV outside of control limits high, sample is ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-17-20220623		
Lab Sample ID:	FA96864-16	**Date Sampled:**	06/23/22
Matrix:	AQ - Ground Water	**Date Received:**	06/25/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AGMORP: Univar; 8201 S 212th St, Kent, WA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A0233217.D	1	07/06/22 21:03	SS	n/a	n/a	VA3179
Run #2 [a]	A0233457.D	2	07/15/22 14:23	KW	n/a	n/a	VA3189

	Purge Volume
Run #1	10.0 ml
Run #2	10.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	3.8	10	2.0	ug/l	J
71-43-2	Benzene	7.8	0.50	0.13	ug/l	
108-86-1	Bromobenzene [b]	ND	0.50	0.13	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	0.13	ug/l	
75-25-2	Bromoform	ND	0.50	0.13	ug/l	
104-51-8	n-Butylbenzene [b]	ND	0.50	0.13	ug/l	
135-98-8	sec-Butylbenzene	ND	0.50	0.13	ug/l	
98-06-6	tert-Butylbenzene	ND	0.50	0.13	ug/l	
56-23-5	Carbon Tetrachloride	ND	0.50	0.13	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.13	ug/l	
75-00-3	Chloroethane	44.3 [c]	1.0	0.40	ug/l	
67-66-3	Chloroform	ND	0.50	0.13	ug/l	
95-49-8	o-Chlorotoluene	ND	0.50	0.13	ug/l	
106-43-4	p-Chlorotoluene	ND	0.50	0.13	ug/l	
124-48-1	Dibromochloromethane [b]	ND	0.50	0.13	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.50	0.25	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.50	0.13	ug/l	
75-71-8	Dichlorodifluoromethane [d]	ND	0.50	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	0.50	0.13	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	0.50	0.13	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	0.50	0.13	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.50	0.13	ug/l	
107-06-2	1,2-Dichloroethane	0.80	0.50	0.13	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.13	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	0.13	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	0.13	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.13	ug/l	
142-28-9	1,3-Dichloropropane [b]	ND	0.50	0.13	ug/l	
594-20-7	2,2-Dichloropropane	ND	0.50	0.13	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.13	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.13	ug/l	
100-41-4	Ethylbenzene	ND	0.50	0.13	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-17-20220623		
Lab Sample ID:	FA96864-16	**Date Sampled:**	06/23/22
Matrix:	AQ - Ground Water	**Date Received:**	06/25/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AGMORP: Univar; 8201 S 212th St, Kent, WA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
110-54-3	Hexane	ND	1.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	0.50	0.13	ug/l	
99-87-6	p-Isopropyltoluene	ND	0.50	0.13	ug/l	
74-83-9	Methyl Bromide	ND	0.50	0.20	ug/l	
74-87-3	Methyl Chloride [e]	ND	0.50	0.20	ug/l	
74-95-3	Methylene Bromide	ND	0.50	0.13	ug/l	
75-09-2	Methylene Chloride	1.8	2.0	1.0	ug/l	JB
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	2.5	1.3	ug/l	
103-65-1	n-Propylbenzene	ND	0.50	0.13	ug/l	
100-42-5	Styrene [b]	ND	0.50	0.13	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	0.13	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.13	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.13	ug/l	
108-88-3	Toluene	0.87	0.50	0.13	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	0.13	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.13	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.13	ug/l	
79-01-6	Trichloroethylene	ND	0.50	0.13	ug/l	
75-69-4	Trichlorofluoromethane	ND	0.50	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	0.50	0.13	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.30	0.50	0.13	ug/l	J
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	0.13	ug/l	
75-01-4	Vinyl Chloride	ND	0.50	0.13	ug/l	
	m,p-Xylene	1.9	1.0	0.13	ug/l	
95-47-6	o-Xylene	ND	0.50	0.13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%	113%	83-118%
17060-07-0	1,2-Dichloroethane-D4	125%	126%	79-125%
2037-26-5	Toluene-D8	96%	91%	85-112%
460-00-4	4-Bromofluorobenzene	99%	97%	83-118%

(a) Sample re-analyzed beyond hold time.
(b) Associated BS recovery outside control limits low.
(c) Result is from Run# 2
(d) Associated ICV and CCV outside control limits high, sample is ND.
(e) Associated CCV outside of control limits high, sample is ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-18-20220623		
Lab Sample ID:	FA96864-17	**Date Sampled:**	06/23/22
Matrix:	AQ - Ground Water	**Date Received:**	06/25/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AGMORP: Univar; 8201 S 212th St, Kent, WA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A0233218.D	1	07/06/22 21:26	SS	n/a	n/a	VA3179
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	0.50	0.13	ug/l	
108-86-1	Bromobenzene [a]	ND	0.50	0.13	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	0.13	ug/l	
75-25-2	Bromoform	ND	0.50	0.13	ug/l	
104-51-8	n-Butylbenzene [a]	ND	0.50	0.13	ug/l	
135-98-8	sec-Butylbenzene	ND	0.50	0.13	ug/l	
98-06-6	tert-Butylbenzene	ND	0.50	0.13	ug/l	
56-23-5	Carbon Tetrachloride	ND	0.50	0.13	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.13	ug/l	
75-00-3	Chloroethane	ND	0.50	0.20	ug/l	
67-66-3	Chloroform	ND	0.50	0.13	ug/l	
95-49-8	o-Chlorotoluene	ND	0.50	0.13	ug/l	
106-43-4	p-Chlorotoluene	ND	0.50	0.13	ug/l	
124-48-1	Dibromochloromethane [a]	ND	0.50	0.13	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.50	0.25	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.50	0.13	ug/l	
75-71-8	Dichlorodifluoromethane [b]	ND	0.50	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	0.50	0.13	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	0.50	0.13	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	0.50	0.13	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.50	0.13	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.13	ug/l	
156-59-2	cis-1,2-Dichloroethylene	9.3	0.50	0.13	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	0.13	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.13	ug/l	
142-28-9	1,3-Dichloropropane [a]	ND	0.50	0.13	ug/l	
594-20-7	2,2-Dichloropropane	ND	0.50	0.13	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.13	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.13	ug/l	
100-41-4	Ethylbenzene	ND	0.50	0.13	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-18-20220623		
Lab Sample ID:	FA96864-17	**Date Sampled:**	06/23/22
Matrix:	AQ - Ground Water	**Date Received:**	06/25/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AGMORP: Univar; 8201 S 212th St, Kent, WA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
110-54-3	Hexane	ND	1.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	0.50	0.13	ug/l	
99-87-6	p-Isopropyltoluene	ND	0.50	0.13	ug/l	
74-83-9	Methyl Bromide	ND	0.50	0.20	ug/l	
74-87-3	Methyl Chloride [c]	ND	0.50	0.20	ug/l	
74-95-3	Methylene Bromide	ND	0.50	0.13	ug/l	
75-09-2	Methylene Chloride	1.7	2.0	1.0	ug/l	JB
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	2.5	1.3	ug/l	
103-65-1	n-Propylbenzene	ND	0.50	0.13	ug/l	
100-42-5	Styrene [a]	ND	0.50	0.13	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	0.13	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.13	ug/l	
127-18-4	Tetrachloroethylene	5.6	0.50	0.13	ug/l	
108-88-3	Toluene	ND	0.50	0.13	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	0.13	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.13	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.13	ug/l	
79-01-6	Trichloroethylene	5.3	0.50	0.13	ug/l	
75-69-4	Trichlorofluoromethane	ND	0.50	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	0.50	0.13	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	0.13	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	0.13	ug/l	
75-01-4	Vinyl Chloride	0.50	0.50	0.13	ug/l	
	m,p-Xylene	ND	1.0	0.13	ug/l	
95-47-6	o-Xylene	ND	0.50	0.13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		83-118%
17060-07-0	1,2-Dichloroethane-D4	125%		79-125%
2037-26-5	Toluene-D8	95%		85-112%
460-00-4	4-Bromofluorobenzene	100%		83-118%

(a) Associated BS recovery outside control limits low.
(b) Associated ICV and CCV outside control limits high, sample is ND.
(c) Associated CCV outside of control limits high, sample is ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-19-20220623		
Lab Sample ID:	FA96864-18	**Date Sampled:**	06/23/22
Matrix:	AQ - Ground Water	**Date Received:**	06/25/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AGMORP: Univar; 8201 S 212th St, Kent, WA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A0233219.D	1	07/06/22 21:48	SS	n/a	n/a	VA3179
Run #2 [a]	A0233458.D	2	07/15/22 14:45	KW	n/a	n/a	VA3189

	Purge Volume
Run #1	10.0 ml
Run #2	10.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	3.0	10	2.0	ug/l	J
71-43-2	Benzene	0.34	0.50	0.13	ug/l	J
108-86-1	Bromobenzene [b]	ND	0.50	0.13	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	0.13	ug/l	
75-25-2	Bromoform	ND	0.50	0.13	ug/l	
104-51-8	n-Butylbenzene [b]	ND	0.50	0.13	ug/l	
135-98-8	sec-Butylbenzene	ND	0.50	0.13	ug/l	
98-06-6	tert-Butylbenzene	ND	0.50	0.13	ug/l	
56-23-5	Carbon Tetrachloride	ND	0.50	0.13	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.13	ug/l	
75-00-3	Chloroethane	0.74	0.50	0.20	ug/l	
67-66-3	Chloroform	ND	0.50	0.13	ug/l	
95-49-8	o-Chlorotoluene	0.17	0.50	0.13	ug/l	J
106-43-4	p-Chlorotoluene	ND	0.50	0.13	ug/l	
124-48-1	Dibromochloromethane [b]	ND	0.50	0.13	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.50	0.25	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.50	0.13	ug/l	
75-71-8	Dichlorodifluoromethane [c]	ND	0.50	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	0.50	0.13	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	0.50	0.13	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	0.50	0.13	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.50	0.13	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.13	ug/l	
156-59-2	cis-1,2-Dichloroethylene	25.0	0.50	0.13	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	0.13	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.13	ug/l	
142-28-9	1,3-Dichloropropane [b]	ND	0.50	0.13	ug/l	
594-20-7	2,2-Dichloropropane	ND	0.50	0.13	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.13	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.13	ug/l	
100-41-4	Ethylbenzene	8.1	0.50	0.13	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-19-20220623		
Lab Sample ID:	FA96864-18	**Date Sampled:**	06/23/22
Matrix:	AQ - Ground Water	**Date Received:**	06/25/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AGMORP: Univar; 8201 S 212th St, Kent, WA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
110-54-3	Hexane	3.7	1.0	0.20	ug/l	
98-82-8	Isopropylbenzene	0.82	0.50	0.13	ug/l	
99-87-6	p-Isopropyltoluene	0.33	0.50	0.13	ug/l	J
74-83-9	Methyl Bromide	ND	0.50	0.20	ug/l	
74-87-3	Methyl Chloride [d]	ND	0.50	0.20	ug/l	
74-95-3	Methylene Bromide	ND	0.50	0.13	ug/l	
75-09-2	Methylene Chloride	1.7	2.0	1.0	ug/l	JB
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	2.5	1.3	ug/l	
103-65-1	n-Propylbenzene	0.76	0.50	0.13	ug/l	
100-42-5	Styrene [b]	ND	0.50	0.13	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	0.13	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.13	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.13	ug/l	
108-88-3	Toluene	6.1	0.50	0.13	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	0.13	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.13	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.13	ug/l	
79-01-6	Trichloroethylene	ND	0.50	0.13	ug/l	
75-69-4	Trichlorofluoromethane	ND	0.50	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	0.50	0.13	ug/l	
95-63-6	1,2,4-Trimethylbenzene	6.0	0.50	0.13	ug/l	
108-67-8	1,3,5-Trimethylbenzene	1.2	0.50	0.13	ug/l	
75-01-4	Vinyl Chloride	43.5 [e]	1.0	0.25	ug/l	
	m,p-Xylene	7.0	1.0	0.13	ug/l	
95-47-6	o-Xylene	2.7	0.50	0.13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%	116%	83-118%
17060-07-0	1,2-Dichloroethane-D4	126% [f]	129% [f]	79-125%
2037-26-5	Toluene-D8	96%	91%	85-112%
460-00-4	4-Bromofluorobenzene	98%	96%	83-118%

(a) Sample re-analyzed beyond hold time.
(b) Associated BS recovery outside control limits low.
(c) Associated ICV and CCV outside control limits high, sample is ND.
(d) Associated CCV outside of control limits high, sample is ND.
(e) Result is from Run# 2
(f) Outside control limits.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-21-20220623		
Lab Sample ID:	FA96864-19	**Date Sampled:**	06/23/22
Matrix:	AQ - Ground Water	**Date Received:**	06/25/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AGMORP: Univar; 8201 S 212th St, Kent, WA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	A0233434.D	50	07/14/22 19:25	KW	n/a	n/a	VA3188
Run #2 [b]	A0233220.D	50	07/06/22 22:10	SS	n/a	n/a	VA3179

	Purge Volume
Run #1	10.0 ml
Run #2	10.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	500	100	ug/l	
71-43-2	Benzene	ND	25	6.3	ug/l	
108-86-1	Bromobenzene	ND	25	6.3	ug/l	
75-27-4	Bromodichloromethane	ND	25	6.3	ug/l	
75-25-2	Bromoform	ND	25	6.3	ug/l	
104-51-8	n-Butylbenzene	ND	25	6.3	ug/l	
135-98-8	sec-Butylbenzene	ND	25	6.3	ug/l	
98-06-6	tert-Butylbenzene	ND	25	6.3	ug/l	
56-23-5	Carbon Tetrachloride	ND	25	6.3	ug/l	
108-90-7	Chlorobenzene	ND	25	6.3	ug/l	
75-00-3	Chloroethane [c]	132	25	10	ug/l	
67-66-3	Chloroform	ND	25	6.3	ug/l	
95-49-8	o-Chlorotoluene	ND	25	6.3	ug/l	
106-43-4	p-Chlorotoluene	ND	25	6.3	ug/l	
124-48-1	Dibromochloromethane	ND	25	6.3	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	25	12	ug/l	
106-93-4	1,2-Dibromoethane	ND	25	6.3	ug/l	
75-71-8	Dichlorodifluoromethane	ND	25	10	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	25	6.3	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	25	6.3	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	25	6.3	ug/l	
75-34-3	1,1-Dichloroethane	ND	25	6.3	ug/l	
107-06-2	1,2-Dichloroethane	ND	25	6.3	ug/l	
75-35-4	1,1-Dichloroethylene	ND	25	6.3	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	25	6.3	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	25	6.3	ug/l	
78-87-5	1,2-Dichloropropane	ND	25	6.3	ug/l	
142-28-9	1,3-Dichloropropane	ND	25	6.3	ug/l	
594-20-7	2,2-Dichloropropane	ND	25	6.3	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	25	6.3	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	25	6.3	ug/l	
100-41-4	Ethylbenzene	323	25	6.3	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-21-20220623		
Lab Sample ID:	FA96864-19	**Date Sampled:**	06/23/22
Matrix:	AQ - Ground Water	**Date Received:**	06/25/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AGMORP: Univar; 8201 S 212th St, Kent, WA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
110-54-3	Hexane	ND	50	10	ug/l	
98-82-8	Isopropylbenzene	63.1	25	6.3	ug/l	
99-87-6	p-Isopropyltoluene	ND	25	6.3	ug/l	
74-83-9	Methyl Bromide	ND	25	10	ug/l	
74-87-3	Methyl Chloride	ND	25	10	ug/l	
74-95-3	Methylene Bromide	ND	25	6.3	ug/l	
75-09-2	Methylene Chloride [d]	166	100	50	ug/l	B
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	130	63	ug/l	
103-65-1	n-Propylbenzene	140	25	6.3	ug/l	
100-42-5	Styrene	ND	25	6.3	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	25	6.3	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	25	6.3	ug/l	
127-18-4	Tetrachloroethylene	ND	25	6.3	ug/l	
108-88-3	Toluene	ND	25	6.3	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	25	6.3	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	25	6.3	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	25	6.3	ug/l	
79-01-6	Trichloroethylene	ND	25	6.3	ug/l	
75-69-4	Trichlorofluoromethane	ND	25	10	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	25	6.3	ug/l	
95-63-6	1,2,4-Trimethylbenzene	371	25	6.3	ug/l	
108-67-8	1,3,5-Trimethylbenzene	165	25	6.3	ug/l	
75-01-4	Vinyl Chloride	ND	25	6.3	ug/l	
	m,p-Xylene	3220	50	6.3	ug/l	
95-47-6	o-Xylene	ND	25	6.3	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	112%	108%	83-118%
17060-07-0	1,2-Dichloroethane-D4	124%	127% [e]	79-125%
2037-26-5	Toluene-D8	99%	98%	85-112%
460-00-4	4-Bromofluorobenzene	96%	100%	83-118%

(a) Sample re-analyzed beyond hold time.
(b) Sample was analyzed beyond the 12 hour analysis window.
(c) Associated Initial Calibration outside control limits (%RSD > 15%).
(d) Suspected laboratory contaminant.
(e) Outside control limits.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-22-20220623		
Lab Sample ID:	FA96864-20	**Date Sampled:**	06/23/22
Matrix:	AQ - Ground Water	**Date Received:**	06/25/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AGMORP: Univar; 8201 S 212th St, Kent, WA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	A0233459.D	2	07/15/22 15:08	KW	n/a	n/a	VA3189
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	15.4	20	4.0	ug/l	J
71-43-2	Benzene	ND	1.0	0.25	ug/l	
108-86-1	Bromobenzene [b]	ND	1.0	0.25	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.25	ug/l	
75-25-2	Bromoform	ND	1.0	0.25	ug/l	
104-51-8	n-Butylbenzene [b]	ND	1.0	0.25	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.25	ug/l	
56-23-5	Carbon Tetrachloride	ND	1.0	0.25	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.25	ug/l	
75-00-3	Chloroethane	54.5	1.0	0.40	ug/l	
67-66-3	Chloroform	ND	1.0	0.25	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.25	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.0	0.49	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.25	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.40	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.25	ug/l	
541-73-1	1,3-Dichlorobenzene [b]	ND	1.0	0.25	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.25	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
156-59-2	cis-1,2-Dichloroethylene	1.7	1.0	0.25	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.69	1.0	0.25	ug/l	J
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
142-28-9	1,3-Dichloropropane [b]	ND	1.0	0.25	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.25	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
100-41-4	Ethylbenzene	0.47	1.0	0.25	ug/l	J

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-22-20220623		
Lab Sample ID:	FA96864-20	**Date Sampled:**	06/23/22
Matrix:	AQ - Ground Water	**Date Received:**	06/25/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AGMORP: Univar; 8201 S 212th St, Kent, WA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
110-54-3	Hexane	ND	2.0	0.40	ug/l	
98-82-8	Isopropylbenzene [b]	0.77	1.0	0.25	ug/l	J
99-87-6	p-Isopropyltoluene	ND	1.0	0.25	ug/l	
74-83-9	Methyl Bromide	ND	1.0	0.40	ug/l	
74-87-3	Methyl Chloride	ND	1.0	0.40	ug/l	
74-95-3	Methylene Bromide	ND	1.0	0.25	ug/l	
75-09-2	Methylene Chloride	7.3	4.0	2.0	ug/l	B
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	2.5	ug/l	
103-65-1	n-Propylbenzene	0.44	1.0	0.25	ug/l	J
100-42-5	Styrene	ND	1.0	0.25	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene [b]	1.7	1.0	0.25	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.25	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.25	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.40	ug/l	
96-18-4	1,2,3-Trichloropropane [b]	ND	1.0	0.25	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/l	
108-67-8	1,3,5-Trimethylbenzene [b]	ND	1.0	0.25	ug/l	
75-01-4	Vinyl Chloride	0.43	1.0	0.25	ug/l	J
	m,p-Xylene	1.6	2.0	0.25	ug/l	J
95-47-6	o-Xylene [b]	ND	1.0	0.25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	119%		83-118%
17060-07-0	1,2-Dichloroethane-D4	131%		79-125%
2037-26-5	Toluene-D8	92%		85-112%
460-00-4	4-Bromofluorobenzene	94%		83-118%

(a) Sample re-analyzed beyond hold time.
(b) Associated BS recovery outside control limits low.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-24-20220623		
Lab Sample ID:	FA96864-21	**Date Sampled:**	06/23/22
Matrix:	AQ - Ground Water	**Date Received:**	06/25/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AGMORP: Univar; 8201 S 212th St, Kent, WA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	A0233435.D	50	07/14/22 19:47	KW	n/a	n/a	VA3188
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	500	100	ug/l	
71-43-2	Benzene	ND	25	6.3	ug/l	
108-86-1	Bromobenzene	ND	25	6.3	ug/l	
75-27-4	Bromodichloromethane	ND	25	6.3	ug/l	
75-25-2	Bromoform	ND	25	6.3	ug/l	
104-51-8	n-Butylbenzene	ND	25	6.3	ug/l	
135-98-8	sec-Butylbenzene	ND	25	6.3	ug/l	
98-06-6	tert-Butylbenzene	ND	25	6.3	ug/l	
56-23-5	Carbon Tetrachloride	ND	25	6.3	ug/l	
108-90-7	Chlorobenzene	ND	25	6.3	ug/l	
75-00-3	Chloroethane [b]	221	25	10	ug/l	
67-66-3	Chloroform	ND	25	6.3	ug/l	
95-49-8	o-Chlorotoluene	ND	25	6.3	ug/l	
106-43-4	p-Chlorotoluene	ND	25	6.3	ug/l	
124-48-1	Dibromochloromethane	ND	25	6.3	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	25	12	ug/l	
106-93-4	1,2-Dibromoethane	ND	25	6.3	ug/l	
75-71-8	Dichlorodifluoromethane	ND	25	10	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	25	6.3	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	25	6.3	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	25	6.3	ug/l	
75-34-3	1,1-Dichloroethane	55.3	25	6.3	ug/l	
107-06-2	1,2-Dichloroethane	ND	25	6.3	ug/l	
75-35-4	1,1-Dichloroethylene	ND	25	6.3	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	25	6.3	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	25	6.3	ug/l	
78-87-5	1,2-Dichloropropane	ND	25	6.3	ug/l	
142-28-9	1,3-Dichloropropane	ND	25	6.3	ug/l	
594-20-7	2,2-Dichloropropane	ND	25	6.3	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	25	6.3	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	25	6.3	ug/l	
100-41-4	Ethylbenzene	2400	25	6.3	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-24-20220623		
Lab Sample ID:	FA96864-21	**Date Sampled:**	06/23/22
Matrix:	AQ - Ground Water	**Date Received:**	06/25/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AGMORP: Univar; 8201 S 212th St, Kent, WA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
110-54-3	Hexane	25.7	50	10	ug/l	J
98-82-8	Isopropylbenzene	103	25	6.3	ug/l	
99-87-6	p-Isopropyltoluene	ND	25	6.3	ug/l	
74-83-9	Methyl Bromide	ND	25	10	ug/l	
74-87-3	Methyl Chloride	ND	25	10	ug/l	
74-95-3	Methylene Bromide	ND	25	6.3	ug/l	
75-09-2	Methylene Chloride [c]	163	100	50	ug/l	B
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	130	63	ug/l	
103-65-1	n-Propylbenzene	205	25	6.3	ug/l	
100-42-5	Styrene	ND	25	6.3	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	25	6.3	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	25	6.3	ug/l	
127-18-4	Tetrachloroethylene	ND	25	6.3	ug/l	
108-88-3	Toluene	1440	25	6.3	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	25	6.3	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	25	6.3	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	25	6.3	ug/l	
79-01-6	Trichloroethylene	ND	25	6.3	ug/l	
75-69-4	Trichlorofluoromethane	ND	25	10	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	25	6.3	ug/l	
95-63-6	1,2,4-Trimethylbenzene	545	25	6.3	ug/l	
108-67-8	1,3,5-Trimethylbenzene	307	25	6.3	ug/l	
75-01-4	Vinyl Chloride	15.0	25	6.3	ug/l	J
	m,p-Xylene [d]	6090	50	6.3	ug/l	E
95-47-6	o-Xylene	1130	25	6.3	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		83-118%
17060-07-0	1,2-Dichloroethane-D4	124%		79-125%
2037-26-5	Toluene-D8	98%		85-112%
460-00-4	4-Bromofluorobenzene	98%		83-118%

(a) Sample re-analyzed beyond hold time.
(b) Associated Initial Calibration outside control limits (%RSD > 15%).
(c) Suspected laboratory contaminant.
(d) Insufficient sample available for re-analysis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-25-20220623		
Lab Sample ID:	FA96864-22	**Date Sampled:**	06/23/22
Matrix:	AQ - Ground Water	**Date Received:**	06/25/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AGMORP: Univar; 8201 S 212th St, Kent, WA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A0233232.D	1	07/07/22 02:41	SS	n/a	n/a	VA3180
Run #2 [a]	A0233460.D	5	07/15/22 15:30	KW	n/a	n/a	VA3189

	Purge Volume
Run #1	10.0 ml
Run #2	10.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	40.4 [b]	50	10	ug/l	J
71-43-2	Benzene [c]	0.48	0.50	0.13	ug/l	J
108-86-1	Bromobenzene	ND	0.50	0.13	ug/l	
75-27-4	Bromodichloromethane [d]	ND	0.50	0.13	ug/l	
75-25-2	Bromoform	ND	0.50	0.13	ug/l	
104-51-8	n-Butylbenzene	ND	0.50	0.13	ug/l	
135-98-8	sec-Butylbenzene	0.25	0.50	0.13	ug/l	J
98-06-6	tert-Butylbenzene	ND	0.50	0.13	ug/l	
56-23-5	Carbon Tetrachloride [e]	ND	0.50	0.13	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.13	ug/l	
75-00-3	Chloroethane	94.1 [b]	2.5	1.0	ug/l	
67-66-3	Chloroform [f]	ND	0.50	0.13	ug/l	
95-49-8	o-Chlorotoluene	0.61	0.50	0.13	ug/l	
106-43-4	p-Chlorotoluene	ND	0.50	0.13	ug/l	
124-48-1	Dibromochloromethane	ND	0.50	0.13	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.50	0.25	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.50	0.13	ug/l	
75-71-8	Dichlorodifluoromethane [d]	ND	0.50	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	0.50	0.13	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	0.50	0.13	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	0.50	0.13	ug/l	
75-34-3	1,1-Dichloroethane [e]	ND	0.50	0.13	ug/l	
107-06-2	1,2-Dichloroethane [e]	ND	0.50	0.13	ug/l	
75-35-4	1,1-Dichloroethylene [g]	ND	0.50	0.13	ug/l	
156-59-2	cis-1,2-Dichloroethylene [f]	ND	0.50	0.13	ug/l	
156-60-5	trans-1,2-Dichloroethylene	2.8 [b]	2.5	0.63	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.13	ug/l	
142-28-9	1,3-Dichloropropane	ND	0.50	0.13	ug/l	
594-20-7	2,2-Dichloropropane	ND	0.50	0.13	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.13	ug/l	
10061-02-6	trans-1,3-Dichloropropene [f]	ND	0.50	0.13	ug/l	
100-41-4	Ethylbenzene	1.4	0.50	0.13	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-25-20220623		
Lab Sample ID:	FA96864-22	**Date Sampled:**	06/23/22
Matrix:	AQ - Ground Water	**Date Received:**	06/25/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AGMORP: Univar; 8201 S 212th St, Kent, WA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
110-54-3	Hexane	5.4	1.0	0.20	ug/l	
98-82-8	Isopropylbenzene	19.7	0.50	0.13	ug/l	
99-87-6	p-Isopropyltoluene	ND	0.50	0.13	ug/l	
74-83-9	Methyl Bromide [e]	ND	0.50	0.20	ug/l	
74-87-3	Methyl Chloride [e]	ND	0.50	0.20	ug/l	
74-95-3	Methylene Bromide	ND	0.50	0.13	ug/l	
75-09-2	Methylene Chloride [h]	2.0	2.0	1.0	ug/l	B
108-10-1	4-Methyl-2-pentanone (MIB [g]	ND	2.5	1.3	ug/l	
103-65-1	n-Propylbenzene	16.8	0.50	0.13	ug/l	
100-42-5	Styrene	ND	0.50	0.13	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	0.13	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.13	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.13	ug/l	
108-88-3	Toluene	ND	0.50	0.13	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	0.13	ug/l	
71-55-6	1,1,1-Trichloroethane [e]	ND	0.50	0.13	ug/l	
79-00-5	1,1,2-Trichloroethane [f]	ND	0.50	0.13	ug/l	
79-01-6	Trichloroethylene [f]	ND	0.50	0.13	ug/l	
75-69-4	Trichlorofluoromethane [e]	ND	0.50	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	0.50	0.13	ug/l	
95-63-6	1,2,4-Trimethylbenzene	32.9 [b]	2.5	0.63	ug/l	
108-67-8	1,3,5-Trimethylbenzene [f]	ND	0.50	0.13	ug/l	
75-01-4	Vinyl Chloride	1.3 [b]	2.5	0.63	ug/l	J
	m,p-Xylene	12.3	1.0	0.13	ug/l	
95-47-6	o-Xylene	ND	0.50	0.13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	112%	124% [i]	83-118%
17060-07-0	1,2-Dichloroethane-D4	132% [i]	136% [i]	79-125%
2037-26-5	Toluene-D8	96%	98%	85-112%
460-00-4	4-Bromofluorobenzene	99%	95%	83-118%

(a) Sample re-analyzed beyond hold time.
(b) Result is from Run# 2
(c) Associated BS recovery outside control limits high. Compound was below calibration range in higher dilution.
(d) Associated CCV and BS recovery outside control limits high, sample is ND.
(e) Associated CCV and BS outside control limits high, sample is ND.
(f) Associated BS recovery outside control limits high, sample is ND.
(g) Associated CCV outside control limits high, sample is ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-25-20220623		
Lab Sample ID:	FA96864-22	**Date Sampled:**	06/23/22
Matrix:	AQ - Ground Water	**Date Received:**	06/25/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AGMORP: Univar; 8201 S 212th St, Kent, WA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q

(h) Associated BS recovery outside control limits high. Suspected laboratory contaminant.
(i) Outside control limits.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P-1-20220623		
Lab Sample ID:	FA96864-23	**Date Sampled:**	06/23/22
Matrix:	AQ - Ground Water	**Date Received:**	06/25/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AGMORP: Univar; 8201 S 212th St, Kent, WA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A0233233.D	1	07/07/22 03:03	SS	n/a	n/a	VA3180
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	5.0	10	2.0	ug/l	J
71-43-2	Benzene [b]	ND	0.50	0.13	ug/l	
108-86-1	Bromobenzene	ND	0.50	0.13	ug/l	
75-27-4	Bromodichloromethane [c]	ND	0.50	0.13	ug/l	
75-25-2	Bromoform	ND	0.50	0.13	ug/l	
104-51-8	n-Butylbenzene	ND	0.50	0.13	ug/l	
135-98-8	sec-Butylbenzene	ND	0.50	0.13	ug/l	
98-06-6	tert-Butylbenzene	ND	0.50	0.13	ug/l	
56-23-5	Carbon Tetrachloride [d]	ND	0.50	0.13	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.13	ug/l	
75-00-3	Chloroethane [d]	ND	0.50	0.20	ug/l	
67-66-3	Chloroform [b]	ND	0.50	0.13	ug/l	
95-49-8	o-Chlorotoluene	ND	0.50	0.13	ug/l	
106-43-4	p-Chlorotoluene	ND	0.50	0.13	ug/l	
124-48-1	Dibromochloromethane	ND	0.50	0.13	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.50	0.25	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.50	0.13	ug/l	
75-71-8	Dichlorodifluoromethane [c]	ND	0.50	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	0.50	0.13	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	0.50	0.13	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	0.50	0.13	ug/l	
75-34-3	1,1-Dichloroethane [d]	ND	0.50	0.13	ug/l	
107-06-2	1,2-Dichloroethane [d]	ND	0.50	0.13	ug/l	
75-35-4	1,1-Dichloroethylene [e]	ND	0.50	0.13	ug/l	
156-59-2	cis-1,2-Dichloroethylene [b]	ND	0.50	0.13	ug/l	
156-60-5	trans-1,2-Dichloroethylene [d]	ND	0.50	0.13	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.13	ug/l	
142-28-9	1,3-Dichloropropane	ND	0.50	0.13	ug/l	
594-20-7	2,2-Dichloropropane	ND	0.50	0.13	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.13	ug/l	
10061-02-6	trans-1,3-Dichloropropene [b]	ND	0.50	0.13	ug/l	
100-41-4	Ethylbenzene	ND	0.50	0.13	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P-1-20220623		
Lab Sample ID:	FA96864-23	**Date Sampled:**	06/23/22
Matrix:	AQ - Ground Water	**Date Received:**	06/25/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AGMORP: Univar; 8201 S 212th St, Kent, WA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
110-54-3	Hexane	ND	1.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	0.50	0.13	ug/l	
99-87-6	p-Isopropyltoluene	ND	0.50	0.13	ug/l	
74-83-9	Methyl Bromide [d]	ND	0.50	0.20	ug/l	
74-87-3	Methyl Chloride [d]	ND	0.50	0.20	ug/l	
74-95-3	Methylene Bromide	ND	0.50	0.13	ug/l	
75-09-2	Methylene Chloride [f]	1.7	2.0	1.0	ug/l	JB
108-10-1	4-Methyl-2-pentanone (MIB [e]	ND	2.5	1.3	ug/l	
103-65-1	n-Propylbenzene	ND	0.50	0.13	ug/l	
100-42-5	Styrene	ND	0.50	0.13	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	0.13	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.13	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.13	ug/l	
108-88-3	Toluene	ND	0.50	0.13	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	0.13	ug/l	
71-55-6	1,1,1-Trichloroethane [d]	ND	0.50	0.13	ug/l	
79-00-5	1,1,2-Trichloroethane [b]	ND	0.50	0.13	ug/l	
79-01-6	Trichloroethylene [b]	ND	0.50	0.13	ug/l	
75-69-4	Trichlorofluoromethane [d]	ND	0.50	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	0.50	0.13	ug/l	
95-63-6	1,2,4-Trimethylbenzene [b]	ND	0.50	0.13	ug/l	
108-67-8	1,3,5-Trimethylbenzene [b]	ND	0.50	0.13	ug/l	
75-01-4	Vinyl Chloride [e]	ND	0.50	0.13	ug/l	
	m,p-Xylene	ND	1.0	0.13	ug/l	
95-47-6	o-Xylene	ND	0.50	0.13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		83-118%
17060-07-0	1,2-Dichloroethane-D4	129% [g]		79-125%
2037-26-5	Toluene-D8	98%		85-112%
460-00-4	4-Bromofluorobenzene	100%		83-118%

(a) Associated CCV outside control limits high.
(b) Associated BS recovery outside control limits high, sample is ND.
(c) Associated CCV and BS recovery outside control limits high, sample is ND.
(d) Associated CCV and BS outside control limits high, sample is ND.
(e) Associated CCV outside control limits high, sample is ND.
(f) Associated BS recovery outside control limits high. Suspected laboratory contaminant.
(g) Outside control limits.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-1-20220623		
Lab Sample ID:	FA96864-24	**Date Sampled:**	06/23/22
Matrix:	AQ - Ground Water	**Date Received:**	06/25/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AGMORP: Univar; 8201 S 212th St, Kent, WA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A0233234.D	1	07/07/22 03:25	SS	n/a	n/a	VA3180
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	2.0	ug/l	
71-43-2	Benzene [b]	ND	0.50	0.13	ug/l	
108-86-1	Bromobenzene	ND	0.50	0.13	ug/l	
75-27-4	Bromodichloromethane [c]	ND	0.50	0.13	ug/l	
75-25-2	Bromoform	ND	0.50	0.13	ug/l	
104-51-8	n-Butylbenzene	ND	0.50	0.13	ug/l	
135-98-8	sec-Butylbenzene	ND	0.50	0.13	ug/l	
98-06-6	tert-Butylbenzene	ND	0.50	0.13	ug/l	
56-23-5	Carbon Tetrachloride [d]	ND	0.50	0.13	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.13	ug/l	
75-00-3	Chloroethane [d]	ND	0.50	0.20	ug/l	
67-66-3	Chloroform [b]	ND	0.50	0.13	ug/l	
95-49-8	o-Chlorotoluene	ND	0.50	0.13	ug/l	
106-43-4	p-Chlorotoluene	ND	0.50	0.13	ug/l	
124-48-1	Dibromochloromethane	ND	0.50	0.13	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.50	0.25	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.50	0.13	ug/l	
75-71-8	Dichlorodifluoromethane [c]	ND	0.50	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	0.50	0.13	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	0.50	0.13	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	0.50	0.13	ug/l	
75-34-3	1,1-Dichloroethane [d]	ND	0.50	0.13	ug/l	
107-06-2	1,2-Dichloroethane [d]	ND	0.50	0.13	ug/l	
75-35-4	1,1-Dichloroethylene [a]	ND	0.50	0.13	ug/l	
156-59-2	cis-1,2-Dichloroethylene [e]	0.56	0.50	0.13	ug/l	
156-60-5	trans-1,2-Dichloroethylene [d]	ND	0.50	0.13	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.13	ug/l	
142-28-9	1,3-Dichloropropane	ND	0.50	0.13	ug/l	
594-20-7	2,2-Dichloropropane	ND	0.50	0.13	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.13	ug/l	
10061-02-6	trans-1,3-Dichloropropene [b]	ND	0.50	0.13	ug/l	
100-41-4	Ethylbenzene	ND	0.50	0.13	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-1-20220623		
Lab Sample ID:	FA96864-24	**Date Sampled:**	06/23/22
Matrix:	AQ - Ground Water	**Date Received:**	06/25/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AGMORP: Univar; 8201 S 212th St, Kent, WA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
110-54-3	Hexane	ND	1.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	0.50	0.13	ug/l	
99-87-6	p-Isopropyltoluene	ND	0.50	0.13	ug/l	
74-83-9	Methyl Bromide [d]	ND	0.50	0.20	ug/l	
74-87-3	Methyl Chloride [d]	ND	0.50	0.20	ug/l	
74-95-3	Methylene Bromide	ND	0.50	0.13	ug/l	
75-09-2	Methylene Chloride [f]	1.7	2.0	1.0	ug/l	JB
108-10-1	4-Methyl-2-pentanone (MIB [a]	ND	2.5	1.3	ug/l	
103-65-1	n-Propylbenzene	ND	0.50	0.13	ug/l	
100-42-5	Styrene	ND	0.50	0.13	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	0.13	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.13	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.13	ug/l	
108-88-3	Toluene	ND	0.50	0.13	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	0.13	ug/l	
71-55-6	1,1,1-Trichloroethane [d]	ND	0.50	0.13	ug/l	
79-00-5	1,1,2-Trichloroethane [b]	ND	0.50	0.13	ug/l	
79-01-6	Trichloroethylene [b]	ND	0.50	0.13	ug/l	
75-69-4	Trichlorofluoromethane [d]	ND	0.50	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	0.50	0.13	ug/l	
95-63-6	1,2,4-Trimethylbenzene [b]	ND	0.50	0.13	ug/l	
108-67-8	1,3,5-Trimethylbenzene [b]	ND	0.50	0.13	ug/l	
75-01-4	Vinyl Chloride [a]	ND	0.50	0.13	ug/l	
	m,p-Xylene	ND	1.0	0.13	ug/l	
95-47-6	o-Xylene	ND	0.50	0.13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	112%		83-118%
17060-07-0	1,2-Dichloroethane-D4	130% [g]		79-125%
2037-26-5	Toluene-D8	96%		85-112%
460-00-4	4-Bromofluorobenzene	98%		83-118%

(a) Associated CCV outside control limits high, sample is ND.
(b) Associated BS recovery outside control limits high, sample is ND.
(c) Associated CCV and BS recovery outside control limits high, sample is ND.
(d) Associated CCV and BS outside control limits high, sample is ND.
(e) Associated BS recovery outside control limits high.
(f) Associated BS recovery outside control limits high. Suspected laboratory contaminant.
(g) Outside control limits.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB-1-20220623		
Lab Sample ID:	FA96864-25	**Date Sampled:**	06/23/22
Matrix:	AQ - Trip Blank Water	**Date Received:**	06/25/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AGMORP: Univar; 8201 S 212th St, Kent, WA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A0233229.D	1	07/07/22 01:32	SS	n/a	n/a	VA3180
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	2.0	ug/l	
71-43-2	Benzene [b]	ND	0.50	0.13	ug/l	
108-86-1	Bromobenzene	ND	0.50	0.13	ug/l	
75-27-4	Bromodichloromethane [c]	ND	0.50	0.13	ug/l	
75-25-2	Bromoform	ND	0.50	0.13	ug/l	
104-51-8	n-Butylbenzene	ND	0.50	0.13	ug/l	
135-98-8	sec-Butylbenzene	ND	0.50	0.13	ug/l	
98-06-6	tert-Butylbenzene	ND	0.50	0.13	ug/l	
56-23-5	Carbon Tetrachloride [d]	ND	0.50	0.13	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.13	ug/l	
75-00-3	Chloroethane [d]	ND	0.50	0.20	ug/l	
67-66-3	Chloroform [b]	ND	0.50	0.13	ug/l	
95-49-8	o-Chlorotoluene	ND	0.50	0.13	ug/l	
106-43-4	p-Chlorotoluene	ND	0.50	0.13	ug/l	
124-48-1	Dibromochloromethane	ND	0.50	0.13	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.50	0.25	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.50	0.13	ug/l	
75-71-8	Dichlorodifluoromethane [c]	ND	0.50	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	0.50	0.13	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	0.50	0.13	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	0.50	0.13	ug/l	
75-34-3	1,1-Dichloroethane [d]	ND	0.50	0.13	ug/l	
107-06-2	1,2-Dichloroethane [d]	ND	0.50	0.13	ug/l	
75-35-4	1,1-Dichloroethylene [a]	ND	0.50	0.13	ug/l	
156-59-2	cis-1,2-Dichloroethylene [b]	ND	0.50	0.13	ug/l	
156-60-5	trans-1,2-Dichloroethylene [d]	ND	0.50	0.13	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.13	ug/l	
142-28-9	1,3-Dichloropropane	ND	0.50	0.13	ug/l	
594-20-7	2,2-Dichloropropane	ND	0.50	0.13	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.13	ug/l	
10061-02-6	trans-1,3-Dichloropropene [b]	ND	0.50	0.13	ug/l	
100-41-4	Ethylbenzene	ND	0.50	0.13	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB-1-20220623		
Lab Sample ID:	FA96864-25	**Date Sampled:**	06/23/22
Matrix:	AQ - Trip Blank Water	**Date Received:**	06/25/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AGMORP: Univar; 8201 S 212th St, Kent, WA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
110-54-3	Hexane	ND	1.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	0.50	0.13	ug/l	
99-87-6	p-Isopropyltoluene	ND	0.50	0.13	ug/l	
74-83-9	Methyl Bromide [d]	ND	0.50	0.20	ug/l	
74-87-3	Methyl Chloride [d]	ND	0.50	0.20	ug/l	
74-95-3	Methylene Bromide	ND	0.50	0.13	ug/l	
75-09-2	Methylene Chloride [e]	1.8	2.0	1.0	ug/l	JB
108-10-1	4-Methyl-2-pentanone (MIB [a]	ND	2.5	1.3	ug/l	
103-65-1	n-Propylbenzene	ND	0.50	0.13	ug/l	
100-42-5	Styrene	ND	0.50	0.13	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	0.13	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.13	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.13	ug/l	
108-88-3	Toluene	ND	0.50	0.13	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	0.13	ug/l	
71-55-6	1,1,1-Trichloroethane [d]	ND	0.50	0.13	ug/l	
79-00-5	1,1,2-Trichloroethane [b]	ND	0.50	0.13	ug/l	
79-01-6	Trichloroethylene [b]	ND	0.50	0.13	ug/l	
75-69-4	Trichlorofluoromethane [d]	ND	0.50	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	0.50	0.13	ug/l	
95-63-6	1,2,4-Trimethylbenzene [b]	ND	0.50	0.13	ug/l	
108-67-8	1,3,5-Trimethylbenzene [b]	ND	0.50	0.13	ug/l	
75-01-4	Vinyl Chloride [a]	ND	0.50	0.13	ug/l	
	m,p-Xylene	ND	1.0	0.13	ug/l	
95-47-6	o-Xylene	ND	0.50	0.13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		83-118%
17060-07-0	1,2-Dichloroethane-D4	125%		79-125%
2037-26-5	Toluene-D8	98%		85-112%
460-00-4	4-Bromofluorobenzene	102%		83-118%

(a) Associated CCV outside control limits high, sample is ND.
(b) Associated BS recovery outside control limits high, sample is ND.
(c) Associated CCV and BS recovery outside control limits high, sample is ND.
(d) Associated CCV and BS outside control limits high, sample is ND.
(e) Associated BS recovery outside control limits high. Suspected laboratory contaminant.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB-2-20220623		
Lab Sample ID:	FA96864-26	**Date Sampled:**	06/23/22
Matrix:	AQ - Trip Blank Water	**Date Received:**	06/25/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AGMORP: Univar; 8201 S 212th St, Kent, WA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A0233230.D	1	07/07/22 01:55	SS	n/a	n/a	VA3180
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	2.0	ug/l	
71-43-2	Benzene [b]	ND	0.50	0.13	ug/l	
108-86-1	Bromobenzene	ND	0.50	0.13	ug/l	
75-27-4	Bromodichloromethane [c]	ND	0.50	0.13	ug/l	
75-25-2	Bromoform	ND	0.50	0.13	ug/l	
104-51-8	n-Butylbenzene	ND	0.50	0.13	ug/l	
135-98-8	sec-Butylbenzene	ND	0.50	0.13	ug/l	
98-06-6	tert-Butylbenzene	ND	0.50	0.13	ug/l	
56-23-5	Carbon Tetrachloride [d]	ND	0.50	0.13	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.13	ug/l	
75-00-3	Chloroethane [d]	ND	0.50	0.20	ug/l	
67-66-3	Chloroform [b]	ND	0.50	0.13	ug/l	
95-49-8	o-Chlorotoluene	ND	0.50	0.13	ug/l	
106-43-4	p-Chlorotoluene	ND	0.50	0.13	ug/l	
124-48-1	Dibromochloromethane	ND	0.50	0.13	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.50	0.25	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.50	0.13	ug/l	
75-71-8	Dichlorodifluoromethane [c]	ND	0.50	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	0.50	0.13	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	0.50	0.13	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	0.50	0.13	ug/l	
75-34-3	1,1-Dichloroethane [d]	ND	0.50	0.13	ug/l	
107-06-2	1,2-Dichloroethane [d]	ND	0.50	0.13	ug/l	
75-35-4	1,1-Dichloroethylene [a]	ND	0.50	0.13	ug/l	
156-59-2	cis-1,2-Dichloroethylene [b]	ND	0.50	0.13	ug/l	
156-60-5	trans-1,2-Dichloroethylene [d]	ND	0.50	0.13	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.13	ug/l	
142-28-9	1,3-Dichloropropane	ND	0.50	0.13	ug/l	
594-20-7	2,2-Dichloropropane	ND	0.50	0.13	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.13	ug/l	
10061-02-6	trans-1,3-Dichloropropene [b]	ND	0.50	0.13	ug/l	
100-41-4	Ethylbenzene	ND	0.50	0.13	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB-2-20220623		
Lab Sample ID:	FA96864-26	**Date Sampled:**	06/23/22
Matrix:	AQ - Trip Blank Water	**Date Received:**	06/25/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AGMORP: Univar; 8201 S 212th St, Kent, WA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
110-54-3	Hexane	ND	1.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	0.50	0.13	ug/l	
99-87-6	p-Isopropyltoluene	ND	0.50	0.13	ug/l	
74-83-9	Methyl Bromide [d]	ND	0.50	0.20	ug/l	
74-87-3	Methyl Chloride [d]	ND	0.50	0.20	ug/l	
74-95-3	Methylene Bromide	ND	0.50	0.13	ug/l	
75-09-2	Methylene Chloride [e]	1.7	2.0	1.0	ug/l	JB
108-10-1	4-Methyl-2-pentanone (MIB [a]	ND	2.5	1.3	ug/l	
103-65-1	n-Propylbenzene	ND	0.50	0.13	ug/l	
100-42-5	Styrene	ND	0.50	0.13	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	0.13	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.13	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.13	ug/l	
108-88-3	Toluene	ND	0.50	0.13	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	0.13	ug/l	
71-55-6	1,1,1-Trichloroethane [d]	ND	0.50	0.13	ug/l	
79-00-5	1,1,2-Trichloroethane [b]	ND	0.50	0.13	ug/l	
79-01-6	Trichloroethylene [b]	ND	0.50	0.13	ug/l	
75-69-4	Trichlorofluoromethane [d]	ND	0.50	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	0.50	0.13	ug/l	
95-63-6	1,2,4-Trimethylbenzene [b]	ND	0.50	0.13	ug/l	
108-67-8	1,3,5-Trimethylbenzene [b]	ND	0.50	0.13	ug/l	
75-01-4	Vinyl Chloride [a]	ND	0.50	0.13	ug/l	
	m,p-Xylene	ND	1.0	0.13	ug/l	
95-47-6	o-Xylene	ND	0.50	0.13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		83-118%
17060-07-0	1,2-Dichloroethane-D4	129% [f]		79-125%
2037-26-5	Toluene-D8	99%		85-112%
460-00-4	4-Bromofluorobenzene	100%		83-118%

(a) Associated CCV outside control limits high, sample is ND.
(b) Associated BS recovery outside control limits high, sample is ND.
(c) Associated CCV and BS recovery outside control limits high, sample is ND.
(d) Associated CCV and BS outside control limits high, sample is ND.
(e) Associated BS recovery outside control limits high. Suspected laboratory contaminant.
(f) Outside control limits, sample is ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

SGS North America Inc - Orlando
Chain of Custody

FA96864

SGS - ORLANDO JOB #: PAGE 1 OF 3

4405 Vineland Road, Suite C-15, Orlando, FL 32811
TEL: 407-425-6700 FAX: 407-425-0707
www.sgs.com

SGS - ORLANDO Quote # | SKIFF #

Client / Reporting Information

Company Name: ARCADIS - PORTLAND
Address:
City: State: Zip:
Project Contact: CARL DONOVAN Email: CARL.DONOVAN@ARCADIS.COM
Phone #: (503) 785-9470
Sampler(s) Name(s) (Printed) Sampler 1: Jonah Davis Sampler 2: Christina Nroz

Project Information

Project Name: UNIVAR KENT
Street: 8201 S 212TH ST
City: KENT State: WA
Project #: 30134763.700
Fax #:
Client Purchase Order #:

Analytical Information

SGS Orlando Sample #	Field ID / Point of Collection	COLLECTION DATE	TIME	SAMPLED BY:	MATRIX	CONTAINER INFORMATION TOTAL # OF BOTTLES	OTHER	NONE	HCl	NaOH	HNO3	H2SO4	MeOH+ZNAC	DI WATER	MEOH	VOCs (8260)
1	MW-1-20220623	6/23/22	1258	JD	GW	3			X							X
2	MW-2-20220623		1307	CM		3			X							X
3	MW-3-20220623		1549	JD		3			X							X
4	MW-4-20220623		1138	JD		3			X							X
5	MW-5-20220623		1110	JD		3			X							X
6	MW-6-20220623		1239	CM		3			X							X
7	MW-7-20220623		1427	JD		3			X							X
8	MW-8-20220623		1112	CM		3			X							X
9	MW-9-20220623		1141	CM		3			X							X
10	MW-10-20220623		1515	CM		3			X							X
11	MW-17-20220623		1043	JD		4			X							X
12	MW-23-20220623		1453	JD		3			X							X

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid

LAB USE ONLY

Turnaround Time (Business days)

10 Day (Business) Approved By: / Date:
7 Day
5 Day
3 Day *RUSH*
2 Day *RUSH*
1 Day *RUSH*
Other
Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULLT1 (EPA LEVEL 4)
- [ ] EDD'S

Comments / Remarks

INITIAL ASSESSMENT
LABEL VERIFICATION

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler/Affiliation	Date Time:	Received By/Affiliation	Relinquished By/Affiliation	Date Time:	Received By/Affiliation
1		6/24/22	2 SHIPPED VIA FEDEX	3	6/25/22	4
5	Relinquished by/Affiliation	Date Time:	6 Received By/Affiliation	7 Relinquished By/Affiliation	9:20 Date Time:	8 Received By/Affiliation

Lab Use Only : Cooler Temperature (s) Celsius (corrected): 4.1 4.6

http://www.sgs.com/en/terms-and-conditions

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FA96864: Chain of Custody
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SGS North America Inc - Orlando

Chain of Custody

4405 Vineland Road, Suite C-15 Orlando, Fl 32811
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www.sgs.com

FA96864

SGS - ORLANDO JOB # : PAGE 2 OF 3

SGS - ORLANDO Quote # | SKIFF #

Client / Reporting Information

Company Name: ARCADIS - PORTLAND
Address:
City: State: Zip:
Project Contact: CARL DONOVAN Email: CARL.DONOVAN@ARCADIS.COM
Phone #: (503) 785-9470
Sampler(s) Name(s) (Printed) Sampler 1: Jonah Davis Sampler 2: Christina Mroz

Project Information

Project Name: UNIVAR KENT
Street: 8201 S 212TH ST
City: KENT State: WA
Project #: 30134763.700
Fax #:
Client Purchase Order #:

Analytical Information

VOCs (8260)

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL- Sludge
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid

SGS Orlando Sample #	Field ID / Point of Collection	COLLECTION DATE	TIME	SAMPLED BY:	MATRIX	TOTAL # OF BOTTLES	CONTAINER INFORMATION: OTHER	NONE	HCl	NaOH	HNO3	H2SO4	NAOH+ZNA	DI WATER	MEOH	VOCs (8260)	LAB USE ONLY
13	MW-13-20220623	6/23/22	1232	JD	GW	3			X							X	
14	MW-14-20220623		1213	CM		3			X							X	
15	MW-16-20220623		1338	CM		3			X							X	
16	MW-17-20220623		1547	CM		3			X							X	
17	MW-18-20220623		1447	CM		3			X							X	
18	MW-19-20220623		1523	JD		3			X							X	
19	MW-21-20220623		1325	JD		3			X							X	
20	MW-22-20220623		1417	CM		3			X							X	
21	MW-24-20220623		1353	JD		3			X							X	
22	MW-25-20220623		1206	JD		3			X							X	
23	P-1-20220623		1047	JD		3			X							X	
24	DUP-1-20220623		1200	CM		3			X							X	

Turnaround Time (Business days)

10 Day (Business) Approved By: / Date:
7 Day
5 Day
3 Day *RUSH*
2 Day *RUSH*
1 Day *RUSH*
Other
Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULLT1 (EPA LEVEL 4)
- [ ] EDD'S

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler/Affiliation	Date Time:	Received By/Affiliation	Relinquished By/Affiliation	Date Time:	Received By/Affiliation
1		6/24/22	2 SHIPPED VIA FEDEX	3	0855	4
5	Relinquished by/Affiliation	Date Time:	Received By/Affiliation 6	Relinquished By/Affiliation 7	Date Time: 9:40	Received By/Affiliation 8

Lab Use Only : Cooler Temperature (s) Celsius (corrected):

http://www.sgs.com/en/terms-and-conditions

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5.1 5

FA96864: Chain of Custody
Page 2 of 4

SGS North America Inc - Orlando
Chain of Custody

4405 Vineland Road, Suite C-15, Orlando, Fl 32811
TEL. 407-425-6700 FAX: 407-425-0707
www.sgs.com

SGS - ORLANDO JOB # : FA96864 PAGE 3 OF 3

SGS - ORLANDO Quote # | SKIFF #

Client / Reporting Information

Company Name: ARCADIS - PORTLAND
Address:
City: State: Zip:
Project Contact: CARL DONOVAN Email: CARL.DONOVAN@ARCADIS.COM
Phone #: (503) 785-9470
Sampler(s) Name(s) (Printed) Sampler 1: Jonah Davis Sampler 2: Christina Mioz

Project Information

Project Name: UNIVAR KENT
Street: 8201 S 212TH ST
City: KENT State: WA
Project #: 30134763.700
Fax #:
Client Purchase Order #:

Analytical Information

VOCs (8260)

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid

SGS Orlando Sample #	Field ID / Point of Collection	COLLECTION DATE	TIME	SAMPLED BY:	MATRIX	TOTAL # OF BOTTLES	OTHER	NONE	HCl	NaOH	HNO3	H2SO4	NAOH+ZNAC	DI WATER	MEOH	LAB USE ONLY
25	TB-1-20220623	6/23/22	0900	JD	WW	2			X							
26	TB-2-20220623	"	0800	CM	WW	2			X							

Turnaround Time (Business days)

(10 Day) (Business)
7 Day
5 Day
3 Day *RUSH*
2 Day *RUSH*
1 Day *RUSH*
Other
Approved By: / Date:
Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULLT1 (EPA LEVEL 4)
- [ ] EDD'S

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler/Affiliation	Date Time:	Received By/Affiliation	Relinquished By/Affiliation	Date Time:	Received By/Affiliation
1		6/24/22	2 SHIPPED VIA FEDEX	3	6/25/22	4
5	Relinquished by/Affiliation	Date Time:	6 Received By/Affiliation	7 Relinquished By/Affiliation	9Z Date Time:	8 Received By/Affiliation

Lab Use Only : Cooler Temperature (s) Celsius (corrected):

http://www.sgs.com/en/terms-and-conditions

ORLD-SMT-0001-03-FORM-COC (4).xls Rev 031318

FA96864: Chain of Custody
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SGS Sample Receipt Summary

Job Number: FA96864 **Client:** Univar/Arcadis **Project:** Univar; 8201 S 212th St, Kent, WA

Date / Time Received: 6/25/2022 9:30:00 AM **Delivery Method:** FedEx **Airbill #'s:** 791270861374

Therm ID: IR 1; **Therm CF:** 0.4; **# of Coolers:** 1

Cooler Temps (Raw Measured) °C: Cooler 1: (4.6);

Cooler Temps (Corrected) °C: Cooler 1: (5.0);

Cooler Information	Y	or	N
1. Custody Seals Present	☑		☐
2. Custody Seals Intact	☑		☐
3. Temp criteria achieved	☑		☐
4. Cooler temp verification	IR Gun		
5. Cooler media	Ice (Bag)		

Trip Blank Information	Y	or	N	N/A
1. Trip Blank present / cooler	☑		☐	☐
2. Trip Blank listed on COC	☑		☐	☐

	W	or	S	N/A
3. Type Of TB Received	☑		☐	☐

Sample Information	Y	or	N	N/A
1. Sample labels present on bottles	☑		☐	
2. Samples preserved properly	☑		☐	
3. Sufficient volume/containers recvd for analysis:	☑		☐	
4. Condition of sample	Intact			
5. Sample recvd within HT	☑		☐	
6. Dates/Times/IDs on COC match Sample Label	☑		☐	
7. VOCs have headspace	☐		☑	☐
8. Bottles received for unspecified tests	☐		☑	
9. Compositing instructions clear	☐		☐	☑
10. Voa Soil Kits/Jars received past 48hrs?	☐		☐	☑
11. % Solids Jar received?	☐		☐	☑
12. Residual Chlorine Present?	☐		☐	☑

Misc. Information

Number of Encores: 25-Gram _____ 5-Gram _____ Number of 5035 Field Kits: _____ Number of Lab Filtered Metals: _____

Test Strip Lot #s: pH 0-3 230315 pH 10-12 219813A Other: (Specify) _____ _____

Residual Chlorine Test Strip Lot #: _____

Comments

SM001
Rev. Date 05/24/17

Technician: NATHANS Date: 6/25/2022 9:30:00 AM Reviewer: CD Date: 6/26/2022

FA96864: Chain of Custody
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MS Volatiles

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QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: FA96864
Account: UNIVAR Univar
Project: AGMORP: Univar; 8201 S 212th St, Kent, WA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VA3179-MB	A0233197.D	1	07/06/22	SS	n/a	n/a	VA3179

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA96864-1, FA96864-2, FA96864-3, FA96864-4, FA96864-5, FA96864-6, FA96864-7, FA96864-8, FA96864-9, FA96864-10, FA96864-11, FA96864-12, FA96864-13, FA96864-14, FA96864-15, FA96864-16, FA96864-17, FA96864-18, FA96864-19, FA96864-20

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	0.50	0.13	ug/l	
108-86-1	Bromobenzene	ND	0.50	0.13	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	0.13	ug/l	
75-25-2	Bromoform	ND	0.50	0.13	ug/l	
104-51-8	n-Butylbenzene	ND	0.50	0.13	ug/l	
135-98-8	sec-Butylbenzene	ND	0.50	0.13	ug/l	
98-06-6	tert-Butylbenzene	ND	0.50	0.13	ug/l	
56-23-5	Carbon Tetrachloride	ND	0.50	0.13	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.13	ug/l	
75-00-3	Chloroethane	ND	0.50	0.20	ug/l	
67-66-3	Chloroform	ND	0.50	0.13	ug/l	
95-49-8	o-Chlorotoluene	ND	0.50	0.13	ug/l	
106-43-4	p-Chlorotoluene	ND	0.50	0.13	ug/l	
124-48-1	Dibromochloromethane	ND	0.50	0.13	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.50	0.25	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.50	0.13	ug/l	
75-71-8	Dichlorodifluoromethane	ND	0.50	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	0.50	0.13	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	0.50	0.13	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	0.50	0.13	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.50	0.13	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.13	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	0.13	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	0.13	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.13	ug/l	
142-28-9	1,3-Dichloropropane	ND	0.50	0.13	ug/l	
594-20-7	2,2-Dichloropropane	ND	0.50	0.13	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.13	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.13	ug/l	
100-41-4	Ethylbenzene	ND	0.50	0.13	ug/l	
110-54-3	Hexane	ND	1.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	0.50	0.13	ug/l	
99-87-6	p-Isopropyltoluene	ND	0.50	0.13	ug/l	
74-83-9	Methyl Bromide	ND	0.50	0.20	ug/l	

Method Blank Summary

Job Number: FA96864
Account: UNIVAR Univar
Project: AGMORP: Univar; 8201 S 212th St, Kent, WA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VA3179-MB	A0233197.D	1	07/06/22	SS	n/a	n/a	VA3179

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA96864-1, FA96864-2, FA96864-3, FA96864-4, FA96864-5, FA96864-6, FA96864-7, FA96864-8, FA96864-9, FA96864-10, FA96864-11, FA96864-12, FA96864-13, FA96864-14, FA96864-15, FA96864-16, FA96864-17, FA96864-18, FA96864-19, FA96864-20

CAS No.	Compound	Result	RL	MDL	Units	Q
74-87-3	Methyl Chloride	ND	0.50	0.20	ug/l	
74-95-3	Methylene Bromide	ND	0.50	0.13	ug/l	
75-09-2	Methylene Chloride	1.8	2.0	1.0	ug/l	J
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	2.5	1.3	ug/l	
103-65-1	n-Propylbenzene	ND	0.50	0.13	ug/l	
100-42-5	Styrene	ND	0.50	0.13	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	0.13	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.13	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.13	ug/l	
108-88-3	Toluene	ND	0.50	0.13	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	0.13	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.13	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.13	ug/l	
79-01-6	Trichloroethylene	ND	0.50	0.13	ug/l	
75-69-4	Trichlorofluoromethane	ND	0.50	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	0.50	0.13	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	0.13	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	0.13	ug/l	
75-01-4	Vinyl Chloride	ND	0.50	0.13	ug/l	
	m,p-Xylene	ND	1.0	0.13	ug/l	
95-47-6	o-Xylene	ND	0.50	0.13	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	101%	83-118%
17060-07-0	1,2-Dichloroethane-D4	111%	79-125%
2037-26-5	Toluene-D8	98%	85-112%
460-00-4	4-Bromofluorobenzene	99%	83-118%

Method Blank Summary

Job Number: FA96864
Account: UNIVAR Univar
Project: AGMORP: Univar; 8201 S 212th St, Kent, WA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VA3180-MB	A0233228.D	1	07/07/22	SS	n/a	n/a	VA3180

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA96864-22, FA96864-23, FA96864-24, FA96864-25, FA96864-26

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	0.50	0.13	ug/l	
108-86-1	Bromobenzene	ND	0.50	0.13	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	0.13	ug/l	
75-25-2	Bromoform	ND	0.50	0.13	ug/l	
104-51-8	n-Butylbenzene	ND	0.50	0.13	ug/l	
135-98-8	sec-Butylbenzene	ND	0.50	0.13	ug/l	
98-06-6	tert-Butylbenzene	ND	0.50	0.13	ug/l	
56-23-5	Carbon Tetrachloride	ND	0.50	0.13	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.13	ug/l	
75-00-3	Chloroethane	ND	0.50	0.20	ug/l	
67-66-3	Chloroform	ND	0.50	0.13	ug/l	
95-49-8	o-Chlorotoluene	ND	0.50	0.13	ug/l	
106-43-4	p-Chlorotoluene	ND	0.50	0.13	ug/l	
124-48-1	Dibromochloromethane	ND	0.50	0.13	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.50	0.25	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.50	0.13	ug/l	
75-71-8	Dichlorodifluoromethane	ND	0.50	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	0.50	0.13	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	0.50	0.13	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	0.50	0.13	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.50	0.13	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.13	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	0.13	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	0.13	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.13	ug/l	
142-28-9	1,3-Dichloropropane	ND	0.50	0.13	ug/l	
594-20-7	2,2-Dichloropropane	ND	0.50	0.13	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.13	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.13	ug/l	
100-41-4	Ethylbenzene	ND	0.50	0.13	ug/l	
110-54-3	Hexane	ND	1.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	0.50	0.13	ug/l	
99-87-6	p-Isopropyltoluene	ND	0.50	0.13	ug/l	
74-83-9	Methyl Bromide	ND	0.50	0.20	ug/l	

Method Blank Summary

Job Number: FA96864
Account: UNIVAR Univar
Project: AGMORP: Univar; 8201 S 212th St, Kent, WA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VA3180-MB	A0233228.D	1	07/07/22	SS	n/a	n/a	VA3180

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA96864-22, FA96864-23, FA96864-24, FA96864-25, FA96864-26

CAS No.	Compound	Result	RL	MDL	Units	Q
74-87-3	Methyl Chloride	ND	0.50	0.20	ug/l	
74-95-3	Methylene Bromide	ND	0.50	0.13	ug/l	
75-09-2	Methylene Chloride	1.9	2.0	1.0	ug/l	J
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	2.5	1.3	ug/l	
103-65-1	n-Propylbenzene	ND	0.50	0.13	ug/l	
100-42-5	Styrene	ND	0.50	0.13	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	0.13	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.13	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.13	ug/l	
108-88-3	Toluene	ND	0.50	0.13	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	0.13	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.13	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.13	ug/l	
79-01-6	Trichloroethylene	ND	0.50	0.13	ug/l	
75-69-4	Trichlorofluoromethane	ND	0.50	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	0.50	0.13	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	0.13	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	0.13	ug/l	
75-01-4	Vinyl Chloride	ND	0.50	0.13	ug/l	
	m,p-Xylene	ND	1.0	0.13	ug/l	
95-47-6	o-Xylene	ND	0.50	0.13	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	107%	83-118%
17060-07-0	1,2-Dichloroethane-D4	124%	79-125%
2037-26-5	Toluene-D8	98%	85-112%
460-00-4	4-Bromofluorobenzene	100%	83-118%

Method Blank Summary

Job Number: FA96864
Account: UNIVAR Univar
Project: AGMORP: Univar; 8201 S 212th St, Kent, WA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VA3188-MB	A0233417.D	1	07/14/22	KW	n/a	n/a	VA3188

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA96864-5, FA96864-11, FA96864-13, FA96864-14, FA96864-19, FA96864-21

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	0.50	0.13	ug/l	
108-86-1	Bromobenzene	ND	0.50	0.13	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	0.13	ug/l	
75-25-2	Bromoform	ND	0.50	0.13	ug/l	
104-51-8	n-Butylbenzene	ND	0.50	0.13	ug/l	
135-98-8	sec-Butylbenzene	ND	0.50	0.13	ug/l	
98-06-6	tert-Butylbenzene	ND	0.50	0.13	ug/l	
56-23-5	Carbon Tetrachloride	ND	0.50	0.13	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.13	ug/l	
75-00-3	Chloroethane	ND	0.50	0.20	ug/l	
67-66-3	Chloroform	ND	0.50	0.13	ug/l	
95-49-8	o-Chlorotoluene	ND	0.50	0.13	ug/l	
106-43-4	p-Chlorotoluene	ND	0.50	0.13	ug/l	
124-48-1	Dibromochloromethane	ND	0.50	0.13	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.50	0.25	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.50	0.13	ug/l	
75-71-8	Dichlorodifluoromethane	ND	0.50	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	0.50	0.13	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	0.50	0.13	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	0.50	0.13	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.50	0.13	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.13	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	0.13	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	0.13	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.13	ug/l	
142-28-9	1,3-Dichloropropane	ND	0.50	0.13	ug/l	
594-20-7	2,2-Dichloropropane	ND	0.50	0.13	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.13	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.13	ug/l	
100-41-4	Ethylbenzene	ND	0.50	0.13	ug/l	
110-54-3	Hexane	ND	1.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	0.50	0.13	ug/l	
99-87-6	p-Isopropyltoluene	ND	0.50	0.13	ug/l	
74-83-9	Methyl Bromide	ND	0.50	0.20	ug/l	

Method Blank Summary

Job Number: FA96864
Account: UNIVAR Univar
Project: AGMORP: Univar; 8201 S 212th St, Kent, WA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VA3188-MB	A0233417.D	1	07/14/22	KW	n/a	n/a	VA3188

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA96864-5, FA96864-11, FA96864-13, FA96864-14, FA96864-19, FA96864-21

CAS No.	Compound	Result	RL	MDL	Units	Q
74-87-3	Methyl Chloride	ND	0.50	0.20	ug/l	
74-95-3	Methylene Bromide	ND	0.50	0.13	ug/l	
75-09-2	Methylene Chloride	2.4	2.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	2.5	1.3	ug/l	
103-65-1	n-Propylbenzene	ND	0.50	0.13	ug/l	
100-42-5	Styrene	ND	0.50	0.13	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	0.13	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.13	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.13	ug/l	
108-88-3	Toluene	ND	0.50	0.13	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	0.13	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.13	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.13	ug/l	
79-01-6	Trichloroethylene	ND	0.50	0.13	ug/l	
75-69-4	Trichlorofluoromethane	ND	0.50	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	0.50	0.13	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	0.13	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	0.13	ug/l	
75-01-4	Vinyl Chloride	ND	0.50	0.13	ug/l	
	m,p-Xylene	ND	1.0	0.13	ug/l	
95-47-6	o-Xylene	ND	0.50	0.13	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	105%	83-118%
17060-07-0	1,2-Dichloroethane-D4	110%	79-125%
2037-26-5	Toluene-D8	100%	85-112%
460-00-4	4-Bromofluorobenzene	100%	83-118%

Method Blank Summary

Job Number: FA96864
Account: UNIVAR Univar
Project: AGMORP: Univar; 8201 S 212th St, Kent, WA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VA3189-MB	A0233447.D	1	07/15/22	KW	n/a	n/a	VA3189

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA96864-4, FA96864-16, FA96864-18, FA96864-20, FA96864-22

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	0.50	0.13	ug/l	
108-86-1	Bromobenzene	ND	0.50	0.13	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	0.13	ug/l	
75-25-2	Bromoform	ND	0.50	0.13	ug/l	
104-51-8	n-Butylbenzene	ND	0.50	0.13	ug/l	
135-98-8	sec-Butylbenzene	ND	0.50	0.13	ug/l	
98-06-6	tert-Butylbenzene	ND	0.50	0.13	ug/l	
56-23-5	Carbon Tetrachloride	ND	0.50	0.13	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.13	ug/l	
75-00-3	Chloroethane	ND	0.50	0.20	ug/l	
67-66-3	Chloroform	ND	0.50	0.13	ug/l	
95-49-8	o-Chlorotoluene	ND	0.50	0.13	ug/l	
106-43-4	p-Chlorotoluene	ND	0.50	0.13	ug/l	
124-48-1	Dibromochloromethane	ND	0.50	0.13	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.50	0.25	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.50	0.13	ug/l	
75-71-8	Dichlorodifluoromethane	ND	0.50	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	0.50	0.13	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	0.50	0.13	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	0.50	0.13	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.50	0.13	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.13	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	0.13	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	0.13	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.13	ug/l	
142-28-9	1,3-Dichloropropane	ND	0.50	0.13	ug/l	
594-20-7	2,2-Dichloropropane	ND	0.50	0.13	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.13	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.13	ug/l	
100-41-4	Ethylbenzene	ND	0.50	0.13	ug/l	
110-54-3	Hexane	ND	1.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	0.50	0.13	ug/l	
99-87-6	p-Isopropyltoluene	ND	0.50	0.13	ug/l	
74-83-9	Methyl Bromide	ND	0.50	0.20	ug/l	

Method Blank Summary

Job Number: FA96864
Account: UNIVAR Univar
Project: AGMORP: Univar; 8201 S 212th St, Kent, WA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VA3189-MB	A0233447.D	1	07/15/22	KW	n/a	n/a	VA3189

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA96864-4, FA96864-16, FA96864-18, FA96864-20, FA96864-22

CAS No.	Compound	Result	RL	MDL	Units	Q
74-87-3	Methyl Chloride	ND	0.50	0.20	ug/l	
74-95-3	Methylene Bromide	ND	0.50	0.13	ug/l	
75-09-2	Methylene Chloride [a]	2.6	2.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	2.5	1.3	ug/l	
103-65-1	n-Propylbenzene	ND	0.50	0.13	ug/l	
100-42-5	Styrene	ND	0.50	0.13	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	0.13	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.13	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.13	ug/l	
108-88-3	Toluene	ND	0.50	0.13	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	0.13	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.13	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.13	ug/l	
79-01-6	Trichloroethylene	ND	0.50	0.13	ug/l	
75-69-4	Trichlorofluoromethane	ND	0.50	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	0.50	0.13	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	0.13	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	0.13	ug/l	
75-01-4	Vinyl Chloride	ND	0.50	0.13	ug/l	
	m,p-Xylene	ND	1.0	0.13	ug/l	
95-47-6	o-Xylene	ND	0.50	0.13	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	105%	83-118%
17060-07-0	1,2-Dichloroethane-D4	116%	79-125%
2037-26-5	Toluene-D8	101%	85-112%
460-00-4	4-Bromofluorobenzene	98%	83-118%

(a) Suspected laboratory contaminant.

Blank Spike Summary

Job Number: FA96864
Account: UNIVAR Univar
Project: AGMORP: Univar; 8201 S 212th St, Kent, WA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VA3179-BS	A0233194.D	1	07/06/22	SS	n/a	n/a	VA3179

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA96864-1, FA96864-2, FA96864-3, FA96864-4, FA96864-5, FA96864-6, FA96864-7, FA96864-8, FA96864-9, FA96864-10, FA96864-11, FA96864-12, FA96864-13, FA96864-14, FA96864-15, FA96864-16, FA96864-17, FA96864-18, FA96864-19, FA96864-20

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	50	49.8	100	50-147
71-43-2	Benzene	10	8.4	84	81-122
108-86-1	Bromobenzene	10	7.7	77* [a]	80-121
75-27-4	Bromodichloromethane	10	8.5	85	79-123
75-25-2	Bromoform	10	8.1	81	66-123
104-51-8	n-Butylbenzene	10	7.7	77* [a]	79-126
135-98-8	sec-Butylbenzene	10	8.9	89	83-133
98-06-6	tert-Butylbenzene	10	8.4	84	80-133
56-23-5	Carbon Tetrachloride	10	8.8	88	76-136
108-90-7	Chlorobenzene	10	8.2	82	82-124
75-00-3	Chloroethane	10	8.7	87	62-144
67-66-3	Chloroform	10	8.4	84	80-124
95-49-8	o-Chlorotoluene	10	8.4	84	81-127
106-43-4	p-Chlorotoluene	10	8.4	84	83-130
124-48-1	Dibromochloromethane	10	7.7	77* [a]	78-122
96-12-8	1,2-Dibromo-3-chloropropane	10	7.1	71	64-123
106-93-4	1,2-Dibromoethane	10	8.0	80	75-120
75-71-8	Dichlorodifluoromethane	10	11.8	118	42-167
95-50-1	1,2-Dichlorobenzene	10	8.2	82	82-124
541-73-1	1,3-Dichlorobenzene	10	8.4	84	84-125
106-46-7	1,4-Dichlorobenzene	10	8.1	81	78-120
75-34-3	1,1-Dichloroethane	10	8.8	88	81-122
107-06-2	1,2-Dichloroethane	10	8.3	83	75-125
75-35-4	1,1-Dichloroethylene	10	8.6	86	78-137
156-59-2	cis-1,2-Dichloroethylene	10	8.5	85	78-120
156-60-5	trans-1,2-Dichloroethylene	10	8.4	84	76-127
78-87-5	1,2-Dichloropropane	10	8.0	80	76-124
142-28-9	1,3-Dichloropropane	10	7.8	78* [a]	80-118
594-20-7	2,2-Dichloropropane	10	8.4	84	74-139
10061-01-5	cis-1,3-Dichloropropene	10	7.8	78	75-118
10061-02-6	trans-1,3-Dichloropropene	10	8.4	84	80-120
100-41-4	Ethylbenzene	10	8.3	83	81-121
110-54-3	Hexane	10	8.9	89	69-132
98-82-8	Isopropylbenzene	10	8.6	86	83-132
99-87-6	p-Isopropyltoluene	10	8.2	82	79-130
74-83-9	Methyl Bromide	10	9.5	95	59-143

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA96864
Account: UNIVAR Univar
Project: AGMORP: Univar; 8201 S 212th St, Kent, WA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VA3179-BS	A0233194.D	1	07/06/22	SS	n/a	n/a	VA3179

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA96864-1, FA96864-2, FA96864-3, FA96864-4, FA96864-5, FA96864-6, FA96864-7, FA96864-8, FA96864-9, FA96864-10, FA96864-11, FA96864-12, FA96864-13, FA96864-14, FA96864-15, FA96864-16, FA96864-17, FA96864-18, FA96864-19, FA96864-20

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
74-87-3	Methyl Chloride	10	11.1	111	50-159
74-95-3	Methylene Bromide	10	7.8	78	78-119
75-09-2	Methylene Chloride	10	6.9	69	69-135
108-10-1	4-Methyl-2-pentanone (MIBK)	50	52.4	105	66-122
103-65-1	n-Propylbenzene	10	8.5	85	82-133
100-42-5	Styrene	10	7.7	77* [a]	78-119
630-20-6	1,1,1,2-Tetrachloroethane	10	8.1	81	77-122
79-34-5	1,1,2,2-Tetrachloroethane	10	8.1	81	72-120
127-18-4	Tetrachloroethylene	10	8.5	85	76-135
108-88-3	Toluene	10	8.1	81	80-120
120-82-1	1,2,4-Trichlorobenzene	10	7.9	79	73-129
71-55-6	1,1,1-Trichloroethane	10	8.8	88	75-130
79-00-5	1,1,2-Trichloroethane	10	8.0	80	76-119
79-01-6	Trichloroethylene	10	8.5	85	81-126
75-69-4	Trichlorofluoromethane	10	10.4	104	71-156
96-18-4	1,2,3-Trichloropropane	10	7.7	77	77-120
95-63-6	1,2,4-Trimethylbenzene	10	8.5	85	79-120
108-67-8	1,3,5-Trimethylbenzene	10	8.3	83	79-120
75-01-4	Vinyl Chloride	10	10.2	102	69-159
	m,p-Xylene	20	16.5	83	79-126
95-47-6	o-Xylene	10	8.4	84	80-127

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	101%	83-118%
17060-07-0	1,2-Dichloroethane-D4	104%	79-125%
2037-26-5	Toluene-D8	100%	85-112%
460-00-4	4-Bromofluorobenzene	100%	83-118%

(a) Sporadic marginal failure.

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA96864
Account: UNIVAR Univar
Project: AGMORP: Univar; 8201 S 212th St, Kent, WA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VA3180-BS	A0233225.D	1	07/07/22	SS	n/a	n/a	VA3180

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA96864-22, FA96864-23, FA96864-24, FA96864-25, FA96864-26

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	50	62.3	125	50-147
71-43-2	Benzene	10	12.3	123*	81-122
108-86-1	Bromobenzene	10	11.0	110	80-121
75-27-4	Bromodichloromethane	10	13.1	131*	79-123
75-25-2	Bromoform	10	12.0	120	66-123
104-51-8	n-Butylbenzene	10	11.0	110	79-126
135-98-8	sec-Butylbenzene	10	12.8	128	83-133
98-06-6	tert-Butylbenzene	10	12.7	127	80-133
56-23-5	Carbon Tetrachloride	10	13.9	139*	76-136
108-90-7	Chlorobenzene	10	11.8	118	82-124
75-00-3	Chloroethane	10	14.7	147*	62-144
67-66-3	Chloroform	10	13.0	130*	80-124
95-49-8	o-Chlorotoluene	10	12.3	123	81-127
106-43-4	p-Chlorotoluene	10	12.3	123	83-130
124-48-1	Dibromochloromethane	10	11.4	114	78-122
96-12-8	1,2-Dibromo-3-chloropropane	10	11.2	112	64-123
106-93-4	1,2-Dibromoethane	10	11.7	117	75-120
75-71-8	Dichlorodifluoromethane	10	19.2	192*	42-167
95-50-1	1,2-Dichlorobenzene	10	11.9	119	82-124
541-73-1	1,3-Dichlorobenzene	10	11.9	119	84-125
106-46-7	1,4-Dichlorobenzene	10	11.6	116	78-120
75-34-3	1,1-Dichloroethane	10	13.5	135*	81-122
107-06-2	1,2-Dichloroethane	10	13.7	137*	75-125
75-35-4	1,1-Dichloroethylene	10	13.3	133	78-137
156-59-2	cis-1,2-Dichloroethylene	10	12.4	124*	78-120
156-60-5	trans-1,2-Dichloroethylene	10	12.9	129*	76-127
78-87-5	1,2-Dichloropropane	10	12.2	122	76-124
142-28-9	1,3-Dichloropropane	10	11.6	116	80-118
594-20-7	2,2-Dichloropropane	10	11.1	111	74-139
10061-01-5	cis-1,3-Dichloropropene	10	11.6	116	75-118
10061-02-6	trans-1,3-Dichloropropene	10	12.6	126*	80-120
100-41-4	Ethylbenzene	10	12.1	121	81-121
110-54-3	Hexane	10	12.2	122	69-132
98-82-8	Isopropylbenzene	10	12.4	124	83-132
99-87-6	p-Isopropyltoluene	10	11.8	118	79-130
74-83-9	Methyl Bromide	10	14.7	147*	59-143

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA96864
Account: UNIVAR Univar
Project: AGMORP: Univar; 8201 S 212th St, Kent, WA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VA3180-BS	A0233225.D	1	07/07/22	SS	n/a	n/a	VA3180

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA96864-22, FA96864-23, FA96864-24, FA96864-25, FA96864-26

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
74-87-3	Methyl Chloride	10	17.7	177*	50-159
74-95-3	Methylene Bromide	10	11.9	119	78-119
75-09-2	Methylene Chloride	10	11.0	110	69-135
108-10-1	4-Methyl-2-pentanone (MIBK)	50	60.6	121	66-122
103-65-1	n-Propylbenzene	10	12.3	123	82-133
100-42-5	Styrene	10	11.1	111	78-119
630-20-6	1,1,1,2-Tetrachloroethane	10	11.9	119	77-122
79-34-5	1,1,2,2-Tetrachloroethane	10	11.9	119	72-120
127-18-4	Tetrachloroethylene	10	12.2	122	76-135
108-88-3	Toluene	10	11.5	115	80-120
120-82-1	1,2,4-Trichlorobenzene	10	11.4	114	73-129
71-55-6	1,1,1-Trichloroethane	10	13.9	139*	75-130
79-00-5	1,1,2-Trichloroethane	10	12.0	120*	76-119
79-01-6	Trichloroethylene	10	12.9	129*	81-126
75-69-4	Trichlorofluoromethane	10	16.7	167*	71-156
96-18-4	1,2,3-Trichloropropane	10	11.4	114	77-120
95-63-6	1,2,4-Trimethylbenzene	10	12.4	124*	79-120
108-67-8	1,3,5-Trimethylbenzene	10	12.1	121*	79-120
75-01-4	Vinyl Chloride	10	15.9	159	69-159
	m,p-Xylene	20	24.2	121	79-126
95-47-6	o-Xylene	10	12.5	125	80-127

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	106%	83-118%
17060-07-0	1,2-Dichloroethane-D4	118%	79-125%
2037-26-5	Toluene-D8	99%	85-112%
460-00-4	4-Bromofluorobenzene	100%	83-118%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA96864
Account: UNIVAR Univar
Project: AGMORP: Univar; 8201 S 212th St, Kent, WA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VA3188-BS	A0233414.D	1	07/14/22	KW	n/a	n/a	VA3188

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA96864-5, FA96864-11, FA96864-13, FA96864-14, FA96864-19, FA96864-21

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	50	37.8	76	50-147
71-43-2	Benzene	10	8.8	88	81-122
108-86-1	Bromobenzene	10	8.5	85	80-121
75-27-4	Bromodichloromethane	10	9.0	90	79-123
75-25-2	Bromoform	10	8.7	87	66-123
104-51-8	n-Butylbenzene	10	8.0	80	79-126
135-98-8	sec-Butylbenzene	10	9.1	91	83-133
98-06-6	tert-Butylbenzene	10	9.3	93	80-133
56-23-5	Carbon Tetrachloride	10	9.3	93	76-136
108-90-7	Chlorobenzene	10	8.7	87	82-124
75-00-3	Chloroethane	10	14.0	140	62-144
67-66-3	Chloroform	10	8.9	89	80-124
95-49-8	o-Chlorotoluene	10	9.2	92	81-127
106-43-4	p-Chlorotoluene	10	9.1	91	83-130
124-48-1	Dibromochloromethane	10	8.3	83	78-122
96-12-8	1,2-Dibromo-3-chloropropane	10	7.8	78	64-123
106-93-4	1,2-Dibromoethane	10	8.3	83	75-120
75-71-8	Dichlorodifluoromethane	10	12.3	123	42-167
95-50-1	1,2-Dichlorobenzene	10	9.0	90	82-124
541-73-1	1,3-Dichlorobenzene	10	9.1	91	84-125
106-46-7	1,4-Dichlorobenzene	10	8.6	86	78-120
75-34-3	1,1-Dichloroethane	10	9.3	93	81-122
107-06-2	1,2-Dichloroethane	10	8.8	88	75-125
75-35-4	1,1-Dichloroethylene	10	9.4	94	78-137
156-59-2	cis-1,2-Dichloroethylene	10	8.9	89	78-120
156-60-5	trans-1,2-Dichloroethylene	10	9.2	92	76-127
78-87-5	1,2-Dichloropropane	10	8.5	85	76-124
142-28-9	1,3-Dichloropropane	10	8.1	81	80-118
594-20-7	2,2-Dichloropropane	10	8.7	87	74-139
10061-01-5	cis-1,3-Dichloropropene	10	8.1	81	75-118
10061-02-6	trans-1,3-Dichloropropene	10	8.7	87	80-120
100-41-4	Ethylbenzene	10	8.8	88	81-121
110-54-3	Hexane	10	9.6	96	69-132
98-82-8	Isopropylbenzene	10	8.4	84	83-132
99-87-6	p-Isopropyltoluene	10	8.7	87	79-130
74-83-9	Methyl Bromide	10	11.8	118	59-143

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA96864
Account: UNIVAR Univar
Project: AGMORP: Univar; 8201 S 212th St, Kent, WA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VA3188-BS	A0233414.D	1	07/14/22	KW	n/a	n/a	VA3188

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA96864-5, FA96864-11, FA96864-13, FA96864-14, FA96864-19, FA96864-21

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
74-87-3	Methyl Chloride	10	12.7	127	50-159
74-95-3	Methylene Bromide	10	8.6	86	78-119
75-09-2	Methylene Chloride	10	9.2	92	69-135
108-10-1	4-Methyl-2-pentanone (MIBK)	50	42.6	85	66-122
103-65-1	n-Propylbenzene	10	9.3	93	82-133
100-42-5	Styrene	10	8.2	82	78-119
630-20-6	1,1,1,2-Tetrachloroethane	10	8.8	88	77-122
79-34-5	1,1,2,2-Tetrachloroethane	10	8.7	87	72-120
127-18-4	Tetrachloroethylene	10	9.2	92	76-135
108-88-3	Toluene	10	8.4	84	80-120
120-82-1	1,2,4-Trichlorobenzene	10	8.1	81	73-129
71-55-6	1,1,1-Trichloroethane	10	9.3	93	75-130
79-00-5	1,1,2-Trichloroethane	10	8.8	88	76-119
79-01-6	Trichloroethylene	10	9.1	91	81-126
75-69-4	Trichlorofluoromethane	10	12.3	123	71-156
96-18-4	1,2,3-Trichloropropane	10	8.2	82	77-120
95-63-6	1,2,4-Trimethylbenzene	10	8.7	87	79-120
108-67-8	1,3,5-Trimethylbenzene	10	8.5	85	79-120
75-01-4	Vinyl Chloride	10	11.1	111	69-159
	m,p-Xylene	20	17.5	88	79-126
95-47-6	o-Xylene	10	8.3	83	80-127

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	101%	83-118%
17060-07-0	1,2-Dichloroethane-D4	107%	79-125%
2037-26-5	Toluene-D8	99%	85-112%
460-00-4	4-Bromofluorobenzene	99%	83-118%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA96864
Account: UNIVAR Univar
Project: AGMORP: Univar; 8201 S 212th St, Kent, WA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VA3189-BS	A0233451.D	1	07/15/22	KW	n/a	n/a	VA3189

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA96864-4, FA96864-16, FA96864-18, FA96864-20, FA96864-22

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	50	52.1	104	50-147
71-43-2	Benzene	10	8.4	84	81-122
108-86-1	Bromobenzene	10	7.7	77*	80-121
75-27-4	Bromodichloromethane	10	9.0	90	79-123
75-25-2	Bromoform	10	8.3	83	66-123
104-51-8	n-Butylbenzene	10	7.5	75*	79-126
135-98-8	sec-Butylbenzene	10	8.3	83	83-133
98-06-6	tert-Butylbenzene	10	8.6	86	80-133
56-23-5	Carbon Tetrachloride	10	9.5	95	76-136
108-90-7	Chlorobenzene	10	8.2	82	82-124
75-00-3	Chloroethane	10	11.6	116	62-144
67-66-3	Chloroform	10	9.0	90	80-124
95-49-8	o-Chlorotoluene	10	8.6	86	81-127
106-43-4	p-Chlorotoluene	10	8.4	84	83-130
124-48-1	Dibromochloromethane	10	7.9	79	78-122
96-12-8	1,2-Dibromo-3-chloropropane	10	7.1	71	64-123
106-93-4	1,2-Dibromoethane	10	7.6	76	75-120
75-71-8	Dichlorodifluoromethane	10	10.8	108	42-167
95-50-1	1,2-Dichlorobenzene	10	8.2	82	82-124
541-73-1	1,3-Dichlorobenzene	10	8.3	83*	84-125
106-46-7	1,4-Dichlorobenzene	10	8.0	80	78-120
75-34-3	1,1-Dichloroethane	10	9.1	91	81-122
107-06-2	1,2-Dichloroethane	10	9.1	91	75-125
75-35-4	1,1-Dichloroethylene	10	9.4	94	78-137
156-59-2	cis-1,2-Dichloroethylene	10	8.7	87	78-120
156-60-5	trans-1,2-Dichloroethylene	10	8.9	89	76-127
78-87-5	1,2-Dichloropropane	10	8.2	82	76-124
142-28-9	1,3-Dichloropropane	10	7.5	75*	80-118
594-20-7	2,2-Dichloropropane	10	9.1	91	74-139
10061-01-5	cis-1,3-Dichloropropene	10	7.6	76	75-118
10061-02-6	trans-1,3-Dichloropropene	10	8.2	82	80-120
100-41-4	Ethylbenzene	10	8.3	83	81-121
110-54-3	Hexane	10	8.9	89	69-132
98-82-8	Isopropylbenzene	10	7.9	79*	83-132
99-87-6	p-Isopropyltoluene	10	8.1	81	79-130
74-83-9	Methyl Bromide	10	9.7	97	59-143

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA96864
Account: UNIVAR Univar
Project: AGMORP: Univar; 8201 S 212th St, Kent, WA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VA3189-BS	A0233451.D	1	07/15/22	KW	n/a	n/a	VA3189

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA96864-4, FA96864-16, FA96864-18, FA96864-20, FA96864-22

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
74-87-3	Methyl Chloride	10	11.6	116	50-159
74-95-3	Methylene Bromide	10	8.3	83	78-119
75-09-2	Methylene Chloride	10	9.6	96	69-135
108-10-1	4-Methyl-2-pentanone (MIBK)	50	46.7	93	66-122
103-65-1	n-Propylbenzene	10	8.6	86	82-133
100-42-5	Styrene	10	7.6	76*	78-119
630-20-6	1,1,1,2-Tetrachloroethane	10	8.4	84	77-122
79-34-5	1,1,2,2-Tetrachloroethane	10	7.5	75	72-120
127-18-4	Tetrachloroethylene	10	8.8	88	76-135
108-88-3	Toluene	10	7.8	78*	80-120
120-82-1	1,2,4-Trichlorobenzene	10	7.3	73	73-129
71-55-6	1,1,1-Trichloroethane	10	9.2	92	75-130
79-00-5	1,1,2-Trichloroethane	10	8.2	82	76-119
79-01-6	Trichloroethylene	10	9.3	93	81-126
75-69-4	Trichlorofluoromethane	10	11.2	112	71-156
96-18-4	1,2,3-Trichloropropane	10	7.3	73*	77-120
95-63-6	1,2,4-Trimethylbenzene	10	8.1	81	79-120
108-67-8	1,3,5-Trimethylbenzene	10	7.8	78*	79-120
75-01-4	Vinyl Chloride	10	9.3	93	69-159
	m,p-Xylene	20	16.7	84	79-126
95-47-6	o-Xylene	10	7.7	77*	80-127

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	106%	83-118%
17060-07-0	1,2-Dichloroethane-D4	118%	79-125%
2037-26-5	Toluene-D8	98%	85-112%
460-00-4	4-Bromofluorobenzene	96%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA96864
Account: UNIVAR Univar
Project: AGMORP: Univar; 8201 S 212th St, Kent, WA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA96864-19MS	A0233206.D	50	07/06/22	SS	n/a	n/a	VA3179
FA96864-19MSD	A0233207.D	50	07/06/22	SS	n/a	n/a	VA3179
FA96864-19 [a]	A0233220.D	50	07/06/22	SS	n/a	n/a	VA3179

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA96864-1, FA96864-2, FA96864-3, FA96864-4, FA96864-5, FA96864-6, FA96864-7, FA96864-8, FA96864-9, FA96864-10, FA96864-11, FA96864-12, FA96864-13, FA96864-14, FA96864-15, FA96864-16, FA96864-17, FA96864-18, FA96864-19, FA96864-20

CAS No.	Compound	FA96864-19 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		2500	3230	129	2500	3170	127	2	50-147/21
71-43-2	Benzene	ND		500	530	106	500	516	103	3	81-122/14
108-86-1	Bromobenzene	ND		500	485	97	500	469	94	3	80-121/14
75-27-4	Bromodichloromethane	ND		500	573	115	500	550	110	4	79-123/19
75-25-2	Bromoform	ND		500	515	103	500	502	100	3	66-123/21
104-51-8	n-Butylbenzene	ND		500	494	99	500	480	96	3	79-126/16
135-98-8	sec-Butylbenzene	ND		500	568	114	500	551	110	3	83-133/16
98-06-6	tert-Butylbenzene	ND		500	552	110	500	538	108	3	80-133/16
56-23-5	Carbon Tetrachloride	ND		500	594	119	500	588	118	1	76-136/23
108-90-7	Chlorobenzene	ND		500	511	102	500	499	100	2	82-124/14
75-00-3	Chloroethane	133		500	713	116	500	749	123	5	62-144/20
67-66-3	Chloroform	ND		500	566	113	500	546	109	4	80-124/15
95-49-8	o-Chlorotoluene	21.5	J	500	560	108	500	538	103	4	81-127/15
106-43-4	p-Chlorotoluene	ND		500	535	107	500	521	104	3	83-130/15
124-48-1	Dibromochloromethane	ND		500	488	98	500	482	96	1	78-122/19
96-12-8	1,2-Dibromo-3-chloropropane	ND		500	488	98	500	473	95	3	64-123/18
106-93-4	1,2-Dibromoethane	ND		500	489	98	500	483	97	1	75-120/13
75-71-8	Dichlorodifluoromethane	ND		500	826	165	500	826	165	0	42-167/19
95-50-1	1,2-Dichlorobenzene	ND		500	524	105	500	503	101	4	82-124/14
541-73-1	1,3-Dichlorobenzene	ND		500	524	105	500	508	102	3	84-125/14
106-46-7	1,4-Dichlorobenzene	ND		500	514	103	500	497	99	3	78-120/15
75-34-3	1,1-Dichloroethane	ND		500	576	115	500	566	113	2	81-122/15
107-06-2	1,2-Dichloroethane	ND		500	589	118	500	568	114	4	75-125/14
75-35-4	1,1-Dichloroethylene	ND		500	558	112	500	549	110	2	78-137/18
156-59-2	cis-1,2-Dichloroethylene	ND		500	534	107	500	518	104	3	78-120/15
156-60-5	trans-1,2-Dichloroethylene	ND		500	555	111	500	537	107	3	76-127/17
78-87-5	1,2-Dichloropropane	ND		500	526	105	500	509	102	3	76-124/14
142-28-9	1,3-Dichloropropane	ND		500	485	97	500	469	94	3	80-118/13
594-20-7	2,2-Dichloropropane	ND		500	535	107	500	547	109	2	74-139/17
10061-01-5	cis-1,3-Dichloropropene	ND		500	498	100	500	489	98	2	75-118/23
10061-02-6	trans-1,3-Dichloropropene	ND		500	537	107	500	533	107	1	80-120/22
100-41-4	Ethylbenzene	294		500	814	104	500	782	98	4	81-121/14
110-54-3	Hexane	ND		500	555	111	500	547	109	1	69-132/20
98-82-8	Isopropylbenzene	67.6		500	627	112	500	612	109	2	83-132/15
99-87-6	p-Isopropyltoluene	ND		500	519	104	500	509	102	2	79-130/16
74-83-9	Methyl Bromide	ND		500	633	127	500	649	130	2	59-143/19

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA96864
Account: UNIVAR Univar
Project: AGMORP: Univar; 8201 S 212th St, Kent, WA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA96864-19MS	A0233206.D	50	07/06/22	SS	n/a	n/a	VA3179
FA96864-19MSD	A0233207.D	50	07/06/22	SS	n/a	n/a	VA3179
FA96864-19 [a]	A0233220.D	50	07/06/22	SS	n/a	n/a	VA3179

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA96864-1, FA96864-2, FA96864-3, FA96864-4, FA96864-5, FA96864-6, FA96864-7, FA96864-8, FA96864-9, FA96864-10, FA96864-11, FA96864-12, FA96864-13, FA96864-14, FA96864-15, FA96864-16, FA96864-17, FA96864-18, FA96864-19, FA96864-20

CAS No.	Compound	FA96864-19 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
74-87-3	Methyl Chloride	ND		500	764	153	500	754	151	1	50-159/19
74-95-3	Methylene Bromide	ND		500	519	104	500	499	100	4	78-119/14
75-09-2	Methylene Chloride	116	B	500	502	77	500	487	74	3	69-135/16
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		2500	3260	130*	2500	3100	124*	5	66-122/16
103-65-1	n-Propylbenzene	126		500	660	107	500	642	103	3	82-133/15
100-42-5	Styrene	ND		500	479	96	500	473	95	1	78-119/23
630-20-6	1,1,1,2-Tetrachloroethane	ND		500	524	105	500	509	102	3	77-122/19
79-34-5	1,1,2,2-Tetrachloroethane	ND		500	510	102	500	498	100	2	72-120/14
127-18-4	Tetrachloroethylene	ND		500	531	106	500	523	105	2	76-135/16
108-88-3	Toluene	ND		500	501	100	500	489	98	2	80-120/14
120-82-1	1,2,4-Trichlorobenzene	ND		500	489	98	500	481	96	2	73-129/20
71-55-6	1,1,1-Trichloroethane	ND		500	595	119	500	580	116	3	75-130/16
79-00-5	1,1,2-Trichloroethane	ND		500	509	102	500	503	101	1	76-119/14
79-01-6	Trichloroethylene	ND		500	557	111	500	536	107	4	81-126/15
75-69-4	Trichlorofluoromethane	ND		500	760	152	500	771	154	1	71-156/21
96-18-4	1,2,3-Trichloropropane	ND		500	495	99	500	476	95	4	77-120/16
95-63-6	1,2,4-Trimethylbenzene	374		500	925	110	500	888	103	4	79-120/18
108-67-8	1,3,5-Trimethylbenzene	162		500	682	104	500	669	101	2	79-120/19
75-01-4	Vinyl Chloride	ND		500	661	132	500	708	142	7	69-159/18
	m,p-Xylene	2830		1000	3630	80	1000	3450	62* [b]	5	79-126/15
95-47-6	o-Xylene	ND		500	533	107	500	522	104	2	80-127/14

CAS No.	Surrogate Recoveries	MS	MSD	FA96864-19	Limits
1868-53-7	Dibromofluoromethane	106%	105%	108%	83-118%
17060-07-0	1,2-Dichloroethane-D4	118%	116%	127%* [c]	79-125%
2037-26-5	Toluene-D8	98%	99%	98%	85-112%
460-00-4	4-Bromofluorobenzene	99%	100%	100%	83-118%

(a) Sample was analyzed beyond the 12 hour analysis window.
(b) Outside control limits due to high level in sample relative to spike amount.
(c) Outside control limits.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA96864
Account: UNIVAR Univar
Project: AGMORP: Univar; 8201 S 212th St, Kent, WA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA96866-1MS	A0233238.D	200	07/07/22	SS	n/a	n/a	VA3180
FA96866-1MSD	A0233239.D	200	07/07/22	SS	n/a	n/a	VA3180
FA96866-1 [a]	A0233237.D	200	07/07/22	SS	n/a	n/a	VA3180

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA96864-22, FA96864-23, FA96864-24, FA96864-25, FA96864-26

CAS No.	Compound	FA96866-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		10000	ND	0*	10000	26800	268*	200*	50-147/21
71-43-2	Benzene	ND		2000	2030	102	2000	1990	100	2	81-122/14
108-86-1	Bromobenzene	ND		2000	1810	91	2000	1790	90	1	80-121/14
75-27-4	Bromodichloromethane	ND		2000	2250	113	2000	2200	110	2	79-123/19
75-25-2	Bromoform	ND		2000	2030	102	2000	1900	95	7	66-123/21
104-51-8	n-Butylbenzene	ND		2000	1740	87	2000	1720	86	1	79-126/16
135-98-8	sec-Butylbenzene	ND		2000	2080	104	2000	2070	104	0	83-133/16
98-06-6	tert-Butylbenzene	ND		2000	2070	104	2000	2080	104	0	80-133/16
56-23-5	Carbon Tetrachloride	ND		2000	2380	119	2000	2340	117	2	76-136/23
108-90-7	Chlorobenzene	ND		2000	1950	98	2000	1890	95	3	82-124/14
75-00-3	Chloroethane	ND		2000	2680	134	2000	2250	113	17	62-144/20
67-66-3	Chloroform	ND		2000	2200	110	2000	2170	109	1	80-124/15
95-49-8	o-Chlorotoluene	ND		2000	2030	102	2000	2020	101	0	81-127/15
106-43-4	p-Chlorotoluene	ND		2000	1990	100	2000	2000	100	1	83-130/15
124-48-1	Dibromochloromethane	ND		2000	1960	98	2000	1860	93	5	78-122/19
96-12-8	1,2-Dibromo-3-chloropropane	ND		2000	1810	91	2000	1840	92	2	64-123/18
106-93-4	1,2-Dibromoethane	ND		2000	1900	95	2000	1850	93	3	75-120/13
75-71-8	Dichlorodifluoromethane	ND		2000	3350	168*	2000	2800	140	18	42-167/19
95-50-1	1,2-Dichlorobenzene	ND		2000	1960	98	2000	1930	97	2	82-124/14
541-73-1	1,3-Dichlorobenzene	ND		2000	1940	97	2000	1970	99	2	84-125/14
106-46-7	1,4-Dichlorobenzene	ND		2000	1940	97	2000	1920	96	1	78-120/15
75-34-3	1,1-Dichloroethane	ND		2000	2260	113	2000	2230	112	1	81-122/15
107-06-2	1,2-Dichloroethane	ND		2000	2370	119	2000	2320	116	2	75-125/14
75-35-4	1,1-Dichloroethylene	ND		2000	2190	110	2000	2200	110	0	78-137/18
156-59-2	cis-1,2-Dichloroethylene	7040		2000	8690	83	2000	8880	92	2	78-120/15
156-60-5	trans-1,2-Dichloroethylene	167		2000	2340	109	2000	2330	108	0	76-127/17
78-87-5	1,2-Dichloropropane	ND		2000	1980	99	2000	1960	98	1	76-124/14
142-28-9	1,3-Dichloropropane	ND		2000	1860	93	2000	1810	91	3	80-118/13
594-20-7	2,2-Dichloropropane	ND		2000	1540	77	2000	1530	77	1	74-139/17
10061-01-5	cis-1,3-Dichloropropene	ND		2000	1840	92	2000	1810	91	2	75-118/23
10061-02-6	trans-1,3-Dichloropropene	ND		2000	1960	98	2000	1950	98	1	80-120/22
100-41-4	Ethylbenzene	90.2	J	2000	2100	100	2000	2050	98	2	81-121/14
110-54-3	Hexane	ND		2000	1990	100	2000	1950	98	2	69-132/20
98-82-8	Isopropylbenzene	ND		2000	2040	102	2000	2010	101	1	83-132/15
99-87-6	p-Isopropyltoluene	ND		2000	1910	96	2000	1890	95	1	79-130/16
74-83-9	Methyl Bromide	ND		2000	2590	130	2000	2210	111	16	59-143/19

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA96864
Account: UNIVAR Univar
Project: AGMORP: Univar; 8201 S 212th St, Kent, WA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA96866-1MS	A0233238.D	200	07/07/22	SS	n/a	n/a	VA3180
FA96866-1MSD	A0233239.D	200	07/07/22	SS	n/a	n/a	VA3180
FA96866-1 [a]	A0233237.D	200	07/07/22	SS	n/a	n/a	VA3180

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA96864-22, FA96864-23, FA96864-24, FA96864-25, FA96864-26

CAS No.	Compound	FA96866-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
74-87-3	Methyl Chloride	ND		2000	3310	166*	2000	2870	144	14	50-159/19
74-95-3	Methylene Bromide	ND		2000	2000	100	2000	1960	98	2	78-119/14
75-09-2	Methylene Chloride	535	B	2000	2110	79	2000	2050	76	3	69-135/16
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10000	ND	0*	10000	26700	267*	200*	66-122/16
103-65-1	n-Propylbenzene	ND		2000	1960	98	2000	1980	99	1	82-133/15
100-42-5	Styrene	ND		2000	1820	91	2000	1780	89	2	78-119/23
630-20-6	1,1,1,2-Tetrachloroethane	ND		2000	2030	102	2000	1960	98	4	77-122/19
79-34-5	1,1,2,2-Tetrachloroethane	ND		2000	1930	97	2000	1870	94	3	72-120/14
127-18-4	Tetrachloroethylene	ND		2000	1980	99	2000	1910	96	4	76-135/16
108-88-3	Toluene	ND		2000	1920	96	2000	1860	93	3	80-120/14
120-82-1	1,2,4-Trichlorobenzene	ND		2000	1750	88	2000	1770	89	1	73-129/20
71-55-6	1,1,1-Trichloroethane	ND		2000	2370	119	2000	2330	117	2	75-130/16
79-00-5	1,1,2-Trichloroethane	ND		2000	1960	98	2000	1850	93	6	76-119/14
79-01-6	Trichloroethylene	ND		2000	2160	108	2000	2100	105	3	81-126/15
75-69-4	Trichlorofluoromethane	ND		2000	3270	164*	2000	2670	134	20	71-156/21
96-18-4	1,2,3-Trichloropropane	ND		2000	1910	96	2000	1890	95	1	77-120/16
95-63-6	1,2,4-Trimethylbenzene	ND		2000	2040	102	2000	2020	101	1	79-120/18
108-67-8	1,3,5-Trimethylbenzene	ND		2000	1950	98	2000	1960	98	1	79-120/19
75-01-4	Vinyl Chloride	7680		2000	9770	105	2000	10200	126	4	69-159/18
	m,p-Xylene	ND		4000	4040	101	4000	3950	99	2	79-126/15
95-47-6	o-Xylene	ND		2000	2070	104	2000	2040	102	1	80-127/14

CAS No.	Surrogate Recoveries	MS	MSD	FA96866-1	Limits
1868-53-7	Dibromofluoromethane	109%	108%	109%	83-118%
17060-07-0	1,2-Dichloroethane-D4	127%*	129%*	129%* [b]	79-125%
2037-26-5	Toluene-D8	98%	98%	99%	85-112%
460-00-4	4-Bromofluorobenzene	97%	100%	100%	83-118%

(a) Sample analyzed beyond hold time. Confirmation run.
(b) Outside control limits.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA96864
Account: UNIVAR Univar
Project: AGMORP: Univar; 8201 S 212th St, Kent, WA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA96975-7MS	A0233438.D	50	07/14/22	KW	n/a	n/a	VA3188
FA96975-7MSD	A0233439.D	50	07/14/22	KW	n/a	n/a	VA3188
FA96975-7 [a]	A0233437.D	50	07/14/22	KW	n/a	n/a	VA3188

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA96864-5, FA96864-11, FA96864-13, FA96864-14, FA96864-19, FA96864-21

CAS No.	Compound	FA96975-7 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		2500	2090	84	2500	2540	102	19	50-147/21
71-43-2	Benzene	ND		500	537	107	500	550	110	2	81-122/14
108-86-1	Bromobenzene	ND		500	497	99	500	503	101	1	80-121/14
75-27-4	Bromodichloromethane	ND		500	591	118	500	586	117	1	79-123/19
75-25-2	Bromoform	ND		500	552	110	500	546	109	1	66-123/21
104-51-8	n-Butylbenzene	ND		500	459	92	500	480	96	4	79-126/16
135-98-8	sec-Butylbenzene	ND		500	526	105	500	542	108	3	83-133/16
98-06-6	tert-Butylbenzene	ND		500	557	111	500	569	114	2	80-133/16
56-23-5	Carbon Tetrachloride	ND		500	639	128	500	623	125	3	76-136/23
108-90-7	Chlorobenzene	ND		500	526	105	500	536	107	2	82-124/14
75-00-3	Chloroethane	ND		500	636	127	500	828	166*	26*	62-144/20
67-66-3	Chloroform	ND		500	586	117	500	582	116	1	80-124/15
95-49-8	o-Chlorotoluene	ND		500	547	109	500	563	113	3	81-127/15
106-43-4	p-Chlorotoluene	ND		500	540	108	500	552	110	2	83-130/15
124-48-1	Dibromochloromethane	ND		500	510	102	500	525	105	3	78-122/19
96-12-8	1,2-Dibromo-3-chloropropane	ND		500	485	97	500	500	100	3	64-123/18
106-93-4	1,2-Dibromoethane	ND		500	494	99	500	504	101	2	75-120/13
75-71-8	Dichlorodifluoromethane	ND		500	591	118	500	756	151	24*	42-167/19
95-50-1	1,2-Dichlorobenzene	ND		500	525	105	500	535	107	2	82-124/14
541-73-1	1,3-Dichlorobenzene	ND		500	524	105	500	542	108	3	84-125/14
106-46-7	1,4-Dichlorobenzene	ND		500	517	103	500	525	105	2	78-120/15
75-34-3	1,1-Dichloroethane	67.0		500	659	118	500	661	119	0	81-122/15
107-06-2	1,2-Dichloroethane	ND		500	606	121	500	601	120	1	75-125/14
75-35-4	1,1-Dichloroethylene	38.3		500	656	124	500	654	123	0	78-137/18
156-59-2	cis-1,2-Dichloroethylene	526		500	1070	109	500	1090	113	2	78-120/15
156-60-5	trans-1,2-Dichloroethylene	ND		500	624	125	500	589	118	6	76-127/17
78-87-5	1,2-Dichloropropane	ND		500	528	106	500	536	107	2	76-124/14
142-28-9	1,3-Dichloropropane	ND		500	481	96	500	494	99	3	80-118/13
594-20-7	2,2-Dichloropropane	ND		500	459	92	500	482	96	5	74-139/17
10061-01-5	cis-1,3-Dichloropropene	ND		500	482	96	500	490	98	2	75-118/23
10061-02-6	trans-1,3-Dichloropropene	ND		500	529	106	500	528	106	0	80-120/22
100-41-4	Ethylbenzene	ND		500	534	107	500	548	110	3	81-121/14
110-54-3	Hexane	ND		500	562	112	500	581	116	3	69-132/20
98-82-8	Isopropylbenzene	ND		500	507	101	500	523	105	3	83-132/15
99-87-6	p-Isopropyltoluene	ND		500	510	102	500	525	105	3	79-130/16
74-83-9	Methyl Bromide	ND		500	553	111	500	710	142	25*	59-143/19

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA96864
Account: UNIVAR Univar
Project: AGMORP: Univar; 8201 S 212th St, Kent, WA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA96975-7MS	A0233438.D	50	07/14/22	KW	n/a	n/a	VA3188
FA96975-7MSD	A0233439.D	50	07/14/22	KW	n/a	n/a	VA3188
FA96975-7 [a]	A0233437.D	50	07/14/22	KW	n/a	n/a	VA3188

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA96864-5, FA96864-11, FA96864-13, FA96864-14, FA96864-19, FA96864-21

CAS No.	Compound	FA96975-7 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
74-87-3	Methyl Chloride	ND		500	672	134	500	798	160*	17	50-159/19
74-95-3	Methylene Bromide	ND		500	544	109	500	551	110	1	78-119/14
75-09-2	Methylene Chloride	154	B	500	618	93	500	611	91	1	69-135/16
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		2500	3170	127*	2500	3060	122	4	66-122/16
103-65-1	n-Propylbenzene	ND		500	541	108	500	556	111	3	82-133/15
100-42-5	Styrene	ND		500	491	98	500	508	102	3	78-119/23
630-20-6	1,1,1,2-Tetrachloroethane	ND		500	546	109	500	556	111	2	77-122/19
79-34-5	1,1,2,2-Tetrachloroethane	ND		500	512	102	500	526	105	3	72-120/14
127-18-4	Tetrachloroethylene	72.0		500	622	110	500	639	113	3	76-135/16
108-88-3	Toluene	ND		500	497	99	500	513	103	3	80-120/14
120-82-1	1,2,4-Trichlorobenzene	ND		500	435	87	500	480	96	10	73-129/20
71-55-6	1,1,1-Trichloroethane	ND		500	612	122	500	610	122	0	75-130/16
79-00-5	1,1,2-Trichloroethane	ND		500	525	105	500	547	109	4	76-119/14
79-01-6	Trichloroethylene	27.6		500	600	114	500	600	114	0	81-126/15
75-69-4	Trichlorofluoromethane	ND		500	635	127	500	771	154	19	71-156/21
96-18-4	1,2,3-Trichloropropane	ND		500	481	96	500	492	98	2	77-120/16
95-63-6	1,2,4-Trimethylbenzene	ND		500	514	103	500	526	105	2	79-120/18
108-67-8	1,3,5-Trimethylbenzene	ND		500	495	99	500	510	102	3	79-120/19
75-01-4	Vinyl Chloride	613		500	1100	97	500	1290	135	16	69-159/18
	m,p-Xylene	ND		1000	1060	106	1000	1090	109	3	79-126/15
95-47-6	o-Xylene	ND		500	493	99	500	514	103	4	80-127/14

CAS No.	Surrogate Recoveries	MS	MSD	FA96975-7	Limits
1868-53-7	Dibromofluoromethane	109%	107%	110%	83-118%
17060-07-0	1,2-Dichloroethane-D4	116%	114%	122%	79-125%
2037-26-5	Toluene-D8	97%	99%	100%	85-112%
460-00-4	4-Bromofluorobenzene	95%	96%	98%	83-118%

(a) Sample re-analyzed beyond hold time.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA96864
Account: UNIVAR Univar
Project: AGMORP: Univar; 8201 S 212th St, Kent, WA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA96866-21MS	A0233466.D	20	07/15/22	KW	n/a	n/a	VA3189
FA96866-21MSD	A0233467.D	20	07/15/22	KW	n/a	n/a	VA3189
FA96866-21 [a]	A0233462.D	20	07/15/22	KW	n/a	n/a	VA3189

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA96864-4, FA96864-16, FA96864-18, FA96864-20, FA96864-22

CAS No.	Compound	FA96866-21 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		1000	1080	108	1000	1030	103	5	50-147/21
71-43-2	Benzene	779		200	961	91	200	949	85	1	81-122/14
108-86-1	Bromobenzene	ND		200	184	92	200	192	96	4	80-121/14
75-27-4	Bromodichloromethane	ND		200	222	111	200	224	112	1	79-123/19
75-25-2	Bromoform	ND		200	208	104	200	206	103	1	66-123/21
104-51-8	n-Butylbenzene	ND		200	177	89	200	185	93	4	79-126/16
135-98-8	sec-Butylbenzene	ND		200	198	99	200	206	103	4	83-133/16
98-06-6	tert-Butylbenzene	ND		200	209	105	200	219	110	5	80-133/16
56-23-5	Carbon Tetrachloride	ND		200	230	115	200	232	116	1	76-136/23
108-90-7	Chlorobenzene	ND		200	191	96	200	200	100	5	82-124/14
75-00-3	Chloroethane	1090	E	200	1240	75	200	1320	115	6	62-144/20
67-66-3	Chloroform	ND		200	220	110	200	220	110	0	80-124/15
95-49-8	o-Chlorotoluene	ND		200	205	103	200	212	106	3	81-127/15
106-43-4	p-Chlorotoluene	ND		200	197	99	200	208	104	5	83-130/15
124-48-1	Dibromochloromethane	ND		200	190	95	200	199	100	5	78-122/19
96-12-8	1,2-Dibromo-3-chloropropane	ND		200	182	91	200	180	90	1	64-123/18
106-93-4	1,2-Dibromoethane	ND		200	183	92	200	194	97	6	75-120/13
75-71-8	Dichlorodifluoromethane	ND		200	215	108	200	251	126	15	42-167/19
95-50-1	1,2-Dichlorobenzene	ND		200	196	98	200	203	102	4	82-124/14
541-73-1	1,3-Dichlorobenzene	ND		200	196	98	200	204	102	4	84-125/14
106-46-7	1,4-Dichlorobenzene	ND		200	189	95	200	199	100	5	78-120/15
75-34-3	1,1-Dichloroethane	7.6	J	200	229	111	200	235	114	3	81-122/15
107-06-2	1,2-Dichloroethane	ND		200	231	116	200	227	114	2	75-125/14
75-35-4	1,1-Dichloroethylene	ND		200	141	71*	200	148	74*	5	78-137/18
156-59-2	cis-1,2-Dichloroethylene	ND		200	202	101	200	210	105	4	78-120/15
156-60-5	trans-1,2-Dichloroethylene	ND		200	236	118	200	220	110	7	76-127/17
78-87-5	1,2-Dichloropropane	ND		200	197	99	200	202	101	3	76-124/14
142-28-9	1,3-Dichloropropane	ND		200	179	90	200	191	96	6	80-118/13
594-20-7	2,2-Dichloropropane	ND		200	184	92	200	190	95	3	74-139/17
10061-01-5	cis-1,3-Dichloropropene	ND		200	183	92	200	189	95	3	75-118/23
10061-02-6	trans-1,3-Dichloropropene	ND		200	195	98	200	206	103	5	80-120/22
100-41-4	Ethylbenzene	1100	E	200	1250	75* [b]	200	1260	80* [b]	1	81-121/14
110-54-3	Hexane	ND		200	225	113	200	226	113	0	69-132/20
98-82-8	Isopropylbenzene	43.3		200	244	100	200	255	106	4	83-132/15
99-87-6	p-Isopropyltoluene	ND		200	191	96	200	199	100	4	79-130/16
74-83-9	Methyl Bromide	ND		200	180	90	200	239	120	28*	59-143/19

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA96864
Account: UNIVAR Univar
Project: AGMORP: Univar; 8201 S 212th St, Kent, WA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA96866-21MS	A0233466.D	20	07/15/22	KW	n/a	n/a	VA3189
FA96866-21MSD	A0233467.D	20	07/15/22	KW	n/a	n/a	VA3189
FA96866-21 [a]	A0233462.D	20	07/15/22	KW	n/a	n/a	VA3189

The QC reported here applies to the following samples: **Method:** SW846 8260D

FA96864-4, FA96864-16, FA96864-18, FA96864-20, FA96864-22

CAS No.	Compound	FA96866-21 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
74-87-3	Methyl Chloride	ND		200	236	118	200	265	133	12	50-159/19
74-95-3	Methylene Bromide	ND		200	211	106	200	209	105	1	78-119/14
75-09-2	Methylene Chloride	68.2	B	200	249	90	200	244	88	2	69-135/16
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		1000	1170	117	1000	1130	113	3	66-122/16
103-65-1	n-Propylbenzene	57.4		200	260	101	200	270	106	4	82-133/15
100-42-5	Styrene	ND		200	183	92	200	194	97	6	78-119/23
630-20-6	1,1,1,2-Tetrachloroethane	ND		200	202	101	200	208	104	3	77-122/19
79-34-5	1,1,2,2-Tetrachloroethane	ND		200	191	96	200	196	98	3	72-120/14
127-18-4	Tetrachloroethylene	ND		200	203	102	200	214	107	5	76-135/16
108-88-3	Toluene	24.7		200	208	92	200	217	96	4	80-120/14
120-82-1	1,2,4-Trichlorobenzene	ND		200	174	87	200	184	92	6	73-129/20
71-55-6	1,1,1-Trichloroethane	ND		200	228	114	200	229	115	0	75-130/16
79-00-5	1,1,2-Trichloroethane	ND		200	197	99	200	210	105	6	76-119/14
79-01-6	Trichloroethylene	ND		200	214	107	200	216	108	1	81-126/15
75-69-4	Trichlorofluoromethane	ND		200	160	80	200	265	133	49*	71-156/21
96-18-4	1,2,3-Trichloropropane	ND		200	184	92	200	191	96	4	77-120/16
95-63-6	1,2,4-Trimethylbenzene	ND		200	190	95	200	200	100	5	79-120/18
108-67-8	1,3,5-Trimethylbenzene	2.7	J	200	188	93	200	196	97	4	79-120/19
75-01-4	Vinyl Chloride	ND		200	182	91	200	237	119	26*	69-159/18
	m,p-Xylene	83.8		400	482	100	400	499	104	3	79-126/15
95-47-6	o-Xylene	63.6		200	260	98	200	271	104	4	80-127/14

CAS No.	Surrogate Recoveries	MS	MSD	FA96866-21	Limits
1868-53-7	Dibromofluoromethane	107%	105%	107%	83-118%
17060-07-0	1,2-Dichloroethane-D4	123%	117%	120%	79-125%
2037-26-5	Toluene-D8	96%	99%	97%	85-112%
460-00-4	4-Bromofluorobenzene	94%	95%	100%	83-118%

(a) Sample re-analyzed beyond hold time.
(b) Outside control limits due to high level in sample relative to spike amount.

* = Outside of Control Limits.

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