UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 7
11201 Renner Boulevard
Lenexa, Kansas 66219

SEP 2 0 2016

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RETURN RECEIPT REQUESTED
Article Number: 7014 1200 0000 6126 3861

Mr. Jay Smith, P.E.
Director, Environmental Projects
Environmental Affairs
Group Sustainability
Royal Philips
15313 W. 95th Street
Lenexa, Kansas 66219

RE: Harcros Chemicals, Inc.
5200 Speaker Road
Kansas City, Kansas
EPA ID No. KST210010062
Docket No. VII-90-H-0028

Dear Mr. Smith:

This letter is addressed to you as the designated Project Coordinator for Harcros Chemicals Inc. under the referenced Administrative Order on Consent. This is in follow-up to Jack Cleary's correspondence of October 7, 2010, and subsequent correspondence of May 23, 2011, both setting forth a proposal to terminate pumping operations of extraction well EW-1 and to reduce the scope and frequency of groundwater monitoring at the referenced Harcros facility. Also, relating to this proposed request to terminate operation of EW-1, Kim Haymond, Arcadis, in a letter dated May 8, 2012, transmitted to the U.S. Environmental Protection Agency the monitored natural attenuation data/evaluation and the recommended groundwater monitoring program for extraction well EW-1 termination.

In response to the above referenced correspondence, the EPA in a letter dated July 8, 2011, approved the request for a reduction in the sampling frequency of the performance monitoring wells at the referenced facility from quarterly to semi-annual monitoring. That approval for a reduced sampling frequency did not include any approval for a change in operation of Extraction Well EW-1, or modification to the groundwater monitoring well networks (performance and facility-wide) or parameter list. The monitoring well networks, previously approved by the EPA in our letter dated October 23, 2002, remains enforceable under the referenced AOC. We also stated that a more intensive review and evaluation by the EPA of the groundwater information is necessary.

During our meeting on April 27, 2016, the EPA committed to conducting this intensive hydrogeology review of the Mid-Plume extraction and monitoring program in response to the proposed requests.

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This is to notify you that we have completed our review, which focused primarily on the following documents and took into consideration the EPA guidance:

- Arcadis. 2007. Letter transmitting recommendations for modification of the groundwater monitoring program. From Kathy Kissick-Daveport, Arcadis. To Patricia Murrow, U.S. Environmental Protection Agency Region 7. August 7.
- Project Realty LLC. 2010. Letter transmitting Arcadis' request for termination of operations at extraction well EW-1. From John P. Cleary, Project Realty LLC. To Patricia Murrow, EPA Region 7. October 7.
- Arcadis. 2012. Letter transmitting the evaluation of monitored natural attenuation data and the recommended groundwater monitoring program for extraction well EW-1 termination. From Kim Haymond, Arcadis. To Patricia Murrow, EPA Region 7. May 8.

The results of the EPA's hydrogeology review and evaluation of the groundwater information is attached to this letter. Based on results of our review, the EPA approves your request to terminate the operation of Extraction Well EW-1, so long as the following conditions are met:

a. Semiannual monitoring of groundwater stabilization/performance system monitoring wells along a 360 degree perimeter and no farther than 550 feet beyond the extent of groundwater contamination that exists above the EPA MCLs for the volatile contaminants of concern listed in Attachment A to the October 29, 2001, Amendment to the Administrative Order on Consent. A revised list of groundwater stabilization/performance system monitoring wells is provided below. Both field and laboratory data should be included in progress reports to the EPA.

b. Annual monitoring of facility-wide monitoring wells for the volatile contaminants of concern listed in Attachment A to the October 29, 2001, Amendment to the Administrative Order on Consent and for monitored natural attenuation screening analyses consistent with the EPA protocol (EPA, 1998). A revised list of groundwater stabilization system monitoring wells is provided below. Both field and laboratory data should be included in progress reports to the EPA.

c. Semiannual gauging of all groundwater stabilization system and facility monitoring wells for total depth and water level surface. Field data, elevation and gradient calculations, and potentiometric surface maps should be included in progress reports to the EPA to document changes in groundwater flow conditions.

	Frequency		Parameters			Plume	
Well	**Facility-wide Monitoring Well Network, Annual**	**Stabilization Performance Monitoring Well Network, Semiannual**	**VOCs***	**MNA**	**Gauging**	**Mid-Area**	**Southern**
MW-1S		X	X		X	X	
MW-2D		X	X		X	X	
MW-6		X	X		X	X	
MW-7		X	X		X	X	
MW-10		X	X		X		X
MW-9D	X		X	X	X		X
MW-17SA		X	X		X	X	
MW-17D		X	X		X	X	
MW-20D	X		X	X	X		X
MW-22D		X	X		X	X	
MW-27S	X		X	X	X	X	
MW-30S	X		X	X	X	X	
MW-31S		X			X	X	
MW-36S		X	X		X	X	X
MW-36D		X	X		X	X	X
MW-37S	X		X	X	X		X
MW-38S	X		X	X	X		X
MW-40D	X		X	X	X		X
MW-48S	X		X	X	X		X
MW-49S	X		X	X	X		X
MW-41D		X	X		X	X	X
MW-42D		X	X		X	X	
MW-43D		X	X		X		X
MW-44D		X	X		X	X	
MW-46S		X	X		X		X
MW-46D					X		X
BMW-3S		X	X		X		X
BMW-3D		X	X		X		X

* Volatile Organic Compounds, VOCs, listed in Attachment A to the Amendment to the referenced AOC.

The EPA is willing to meet and discuss this approval with conditions letter, particularly the revisions to the groundwater stabilization performance monitoring well network and the facility-wide monitoring well network, as presented above, as well as the results of our hydrogeology review. Please contact me for scheduling such a meeting between all parties.

If you have any questions pertaining to this letter, please do not hesitate to give me a call. I can be reached at (913) 551-7627.

Sincerely,

Patricia Murrow

Patricia Murrow
Project Manager
RCRA Corrective Action and Permits Section
Waste Remediation and Permitting Branch
Air and Waste Management Division

Enclosure

cc: Michael Potts, Elementis Chemicals, Inc. (w/encl)
Jack P. Cleary, Harcros Chemical Inc. (w/encl)
Mark Vishnefske, KDHE (w/encl)

Hydrogeology Review of Extraction Well EW-1 and Mid-Plume Monitoring Program
Harcros Chemicals, Inc., 5200 Speaker Road Facility, Kansas City, Kansas
EPA RCRA ID #KST210010062

Background

Corrective Action Objectives: Corrective action objectives for groundwater, as presented in the Corrective Measures Study (URS, 2002), are to: 1) attain EPA maximum contaminant levels at the edge of the Kansas River, and 2) maintain the contaminated plume within previously contaminated areas. These corrective action objectives were submitted as an addendum to the February 2000 corrective action objectives development report on July 13, 2001, and approved by EPA on September 13, 2001.

Groundwater Extraction System: Extraction well EW-1 was installed in the Mid-Area plume in October 2002 to support these corrective action objectives and "provide hydraulic containment and/or stabilization to prevent migration of groundwater contamination into uncontaminated areas at levels above MCLs," a requirement of the October 29, 2001, Amendment to the Administrative Order on Consent. A second extraction well, EW-2, was installed in the Southern plume in 2004. The groundwater treatment system associated with these two recovery wells is configured to accommodate flow rates of 100 gallons per minute from EW-1 and 75 gpm from EW-2. Groundwater recovery and treatment efforts have been coupled with source area mass removal efforts including multiple soil vapor extraction systems and an Accelerated Remediation Technology well system.

Groundwater Monitoring Program: The Revised 2002 Groundwater Monitoring Program was established by the Amendment to the Administrative Order on Consent dated October 29, 2001, and the Revised Groundwater Monitoring Network Proposal approved by EPA on October 23, 2002. The objectives of the program are twofold. 1) The groundwater stabilization system monitoring network seeks to verify that contaminated groundwater is not migrating into uncontaminated portions of the aquifer at concentrations exceeding EPA MCLs. Monitoring wells MW-1S, MW-2D, MW-10, MW-17D, MW-17SA, MW-31S, MW-36S, MW-36D, MW-43D, MW-44D, MW-46S, MW-46D, BMW-2S, BMW-3S, and BMW-3D are sampled for volatile organic compounds. 2) The facility-wide monitoring network seeks to monitor the overall distribution of contamination within the plumes. Monitoring wells MW-7, MW-22D, MW-27S, MW-30S, and MW-42D in the Mid-Area plume vicinity and monitoring wells MW-9D, MW-20D, MW-37S, MW-38S, MW-40D, and MW-41D in the Southern plume vicinity are gauged and sampled annually for VOCs.

Proposed Changes: The August 2007 letter requests to change the frequency of gauging and sampling of the groundwater stabilization system monitoring network from quarterly to semiannually; this modification has been approved by the Agencies. The letter also requests to reduce the groundwater stabilization system monitoring network to six wells: MW-1S, MW-10, MW-17D, MW-17SA, MW-43D, and MW-44D. No revision to the facility-wide monitoring network or sampling approach is requested.

The October 2010 and May 2012 letters indicate that the Mid-Area plume has been stabilized to the point that EW-1 extraction can be terminated and replaced with a monitored natural attenuation program sufficient to prevent migration of groundwater contamination into uncontaminated areas at levels above MCLs.

Groundwater Extraction System

Technical Review:

Consistent with EPA guidance (e.g., EPA, 1990, 1994, 2005, 2011), the following questions were considered in determining whether EW-1 extraction can be terminated and replaced with a monitored natural attenuation program.

A. *Does well-by-well analysis demonstrate that groundwater has reached cleanup levels for all contaminants of concern, as stated in the decision document?*

No. Groundwater concentrations have not reached cleanup levels for all contaminants of concern. For each well within or adjacent to the previously mapped EW-1 capture zone, EPA completed a statistical evaluation of any volatile contaminant of concern data set with four or more detections (EPA, 2014a, 2014b, 2014c, 2014d) (see Appendices A and B). The following wells had contaminant of concern concentrations exceeding EPA MCLs at the 95 percent upper confidence limits or upper confidence bands:

- MW-11B: vinyl chloride
- MW-27S: *cis*-1,2-dichloroethene
- MW-30S: tetrachloroethene, trichloroethene, *cis*-1,2-DCE, vinyl chloride
- MW-42D: vinyl chloride.

B. *Has optimum mass removal been achieved such that it is not practical to reduce contaminant levels further?*

Indeterminant. Although mass removal associated with soil-vapor extraction is reported in quarterly progress reports to EPA, mass removal associated with groundwater extraction and treatment is not reported.

Review of the June 2016 NPDES monitoring data for influent to the treatment system (EDMR Code: INF001A) indicates that concentrations of PCE (0.67 micrograms per liter), TCE (2.0 µg/L), and vinyl chloride (<1.0 µg/L) are below EPA MCLs (Philips, 2016). However, the NPDES monitoring data are of limited value for mass assessment because influent samples are not analyzed for all contaminants of concern, may be "diluted" by non-contaminated groundwater, and may not be collected in a manner that prevents volatilization to air.

As noted above, for each well within or adjacent to the previously mapped EW-1 capture zone, EPA completed a statistical evaluation of any volatile contaminant of concern data set with four or more detections (EPA, 2014a, 2014b, 2014c, 2014d) (see Appendices A and B). The following wells show decreasing trends for select contaminants of concern, indicating that contaminant levels continue to be reduced.

- MW-02D: *cis*-1,2-DCE
- MW-22D: *cis*-1,2-DCE
- MW-30S: PCE, TCE, chlorobenzene, chloroform.

Notably, MW-22D and MW-30S are located along the pathway between the Mid-Area source(s) and EW-1, with MW-30S being closer to the source(s) and MW-22D being closer to EW-1. All other concentration trends were stable. No increases in contaminant of concern concentrations within or adjacent to the EW-1 capture zone were noted.

C. *Would an alternative remedy effectively achieve corrective action objectives, while also achieving cleanup levels within a reasonable timeframe?*

Likely. Monitored natural attenuation has been proposed as an alternative remedy to groundwater extraction and treatment. EPA evaluated the effectiveness of natural attenuation in remediating the Mid-Area contamination plume using the EPA BIOCHLOR Natural Attenuation Decision Support System, Version 2.2 (EPA, 2000, 2002a, 2002b, 2004) (see Appendix C). Inputs to the tool are site specific where reliable data are available (e.g., average hydraulic conductivity and gradient from 2002 Corrective Measures Study, historical concentration data for MW27S, MW30S, MW-7, MW-42D, and MW-44D). SVE systems, ART wells, and groundwater extraction and treatment have reduced considerable source mass, but because some source material persists, the evaluation was conducted with both a continuous and degrading source, with similar results. Likewise, because the petroleum hydrocarbon contamination that previously drove reductive dechlorination has been depleted and because the BIOCHLOR test for biotransformation indicates support for reductive dechlorination is limited, natural attenuation was evaluated both with and without biotransformation. When biotransformation was evaluated, first order decay coefficients were conservatively selected as half the literature value.

	MCL	**Modeled Concentration Distribution with Time and Distance**								
Distance from source		1,200 feet			1,600 feet			2,000 feet		
Elapsed time		10 yr	30 yr	100 yr	10 yr	30 yr	100 yr	10 yr	30 yr	100 yr
Biotransformation										
PCE (µg/L)	**5**	4	4	3	3	3	2	2	2	2
TCE (µg/L)	**5**	3	3	3	3	3	3	3	3	2
DCE (µg/L)	**70**	6	6	5	5	5	4	5	5	4
VC (µg/L)	**2**	0	0	0	0	0	0	0	0	0
No Degradation										
PCE (µg/L)	**5**	**8**	**7**	**6**	**7**	**7**	**5**	**6**	**6**	**5**
TCE (µg/L)	**5**	1	1	1	1	1	1	1	1	1
DCE (µg/L)	**70**	6	6	5	5	5	4	5	5	4
VC (µg/L)	**2**	0	0	5	0	0	0	0	0	0

Notes: Shaded values exceed EPA MCL.

Outcomes of EPA's BIOCHLOR evaluation are that, if reductive dechlorination is supported, concentrations are expected to attenuate below EPA MCLs before reaching the original plume boundary or the Kansas River; however, without biotransformation, PCE concentrations at or above EPA MCLs may persist and migrate beyond the original plume boundary to the Kansas River for decades.

Technical Comments:

1. EPA recognizes that a monitored natural attenuation remedy requires considerably less operation and maintenance effort than groundwater extraction and treatment. Because limited support for reductive dechlorination appears evident, monitored natural attenuation is an acceptable replacement remedy for achieving corrective action objectives and cleanup levels within a reasonable timeframe, so long as the following conditions are met:

a. Semiannual monitoring of groundwater stabilization system monitoring wells along a 360 degree perimeter and no farther than 550 feet beyond the extent of groundwater contamination that exists above EPA MCLs for the volatile contaminants of concern listed in Attachment A to the October 29, 2001, Amendment to the Administrative Order on Consent. A revised list of groundwater stabilization system monitoring wells is provided in the discussion of the Groundwater Monitoring Program below. Both field and laboratory data should be included in progress reports to EPA.

b. Annual monitoring of facility-wide monitoring wells for the volatile contaminants of concern listed in Attachment A to the October 29, 2001, Amendment to the Administrative Order on Consent and for monitored natural attenuation screening analyses consistent with EPA protocol (EPA, 1998). A revised list of groundwater stabilization system monitoring wells is provided in the discussion of the Groundwater Monitoring Program below. Both field and laboratory data should be included in progress reports to EPA.

c. Semiannual gauging of all groundwater stabilization system and facility monitoring wells for total depth and water level surface. Field data, elevation and gradient calculations, and potentiometric surface maps should be included in progress reports to EPA to document changes in groundwater flow conditions.

d. Consistent with the October 29, 2001, Amendment to the Administrative Order on Consent, implementation of trigger conditions for increased sampling frequency and reactivation of EW-1 or an equivalent extraction system should a contaminant of concern be detected at or above EPA MCLs in an associated groundwater stabilization system monitoring well for multiple consecutive quarters.

2. Because a future request to cease extraction well EW-2 operations is anticipated, Southern plume groundwater stabilization system and facility monitoring wells are being held to the same expectations as those associated with the Mid-Area plume. Additionally, mass removal associated with EW-2 groundwater extraction and treatment should be documented at least annually in progress reports to EPA.

Groundwater Monitoring Program

Technical Review:

Wells proposed for elimination from the semi-annual groundwater stabilization system monitoring network are evaluated below. Evaluation is based on review of volatile contaminant of concern data from numerous rounds of samples collected since July 2010 (Arcadis, 2010, 2011a, 2011b, 2011c, 2012a, 2012c, 2013a, 2013b, 2013c, 2014a, 2014b, 2014c, 2014d, 2015a, 2015b, 2015c, 2015d 2016a, 2016b, 2016c) (see Appendices A and B).

A. MW-2D: Constructed in 1992 of 2-inch diameter polyvinyl chloride, this deep aquifer monitoring well is southeast of the closed surface impoundment and directly north of the extraction well EW-1 capture zone. Contaminants of concern in this well included regular detections of *cis*-1,2-DCE (0.24 J to 1.6 µg/L) and occasional detections of acetone (3.2 J µg/L

in April 2016) and toluene (11 µg/L in April 2014). The *cis*-1,2-DCE concentrations exhibit a statistically decreasing trend, with a 95 percent upper confidence limit (0.996 µg/L) and a 95 percent upper confidence band (0.734 µg/L) well below the EPA MCL (70 µg/L). Concentrations of acetone and toluene also were well below their EPA MCLs (14,000 and 1,000 µg/L, respectively).

The October 2001 Amendment to the Administrative Order on Consent requires that the monitoring well network be "along a 360 degree perimeter from the detected extent of groundwater contamination that exists above MCLs" for the contaminants of concern. No other monitoring well is monitored northeast of the Mid-Area plume except shallow monitoring well MW-1S. Additionally, sampling of MW-2D supports the CSI monitoring program. This monitoring well should not be eliminated from the semi-annual groundwater stabilization system monitoring network or, for purposes of monitoring the Mid-Area plume only, a deep monitoring well closer to the northeastern plume boundary should be selected for monitoring instead.

B. MW-31S: Constructed in 1997 of 2-inch diameter PVC, this shallow aquifer monitoring well is across the levee, northeast of the Mid-Area plume boundary as defined in 2002. Contaminants of concern in this well included regular detections of *cis*-1,2-DCE (0.16 J to 0.28 J µg/L), recent detections of acetone (2.7 J to 5.6 J µg/L), and occasional detections of chloroform (0.18 J to 0.32 J µg/L). The *cis*-1,2-DCE concentrations exhibit a statistically decreasing trend, with a 95 percent UCL (0.25 µg/L) and a 95 percent UCB (0.262 µg/L) well below the EPA MCL (70 µg/L). Concentrations of acetone and chloroform also were well below their EPA MCLs (14,000 and 80 µg/L, respectively). Given concentration trends in MW-31S and reductions in the extent of the Mid-Area plume, MW-31S is no longer an appropriate choice for sentinel monitoring at the Mid-Area plume perimeter. Stabilization system monitoring wells MW-17SA and MW-17D and facility monitoring wells MW-22D will remain in the monitoring program to monitor groundwater north of the northwestern extent of the Mid-Area plume perimeter. Concentrations in these wells were consistently below EPA MCLs in the data evaluated.

As an additional consideration, MW-31S is northwest of the CSI, between the CSI and Kansas River, but is not currently designated as a CSI monitoring well. Monitoring wells MW-17SA and MW-17D of the semi-annual groundwater stabilization system monitoring network and monitoring wells MW-11B, MW-11D, and MW-35S of the CSI monitoring network will remain in place to monitor groundwater northwest of the CSI. Concentrations in these wells were consistently below EPA MCLs in the data evaluated.

Groundwater sampling at MW-31S may be discontinued; however, groundwater elevations in this well should continue to be gauged for purposes of evaluating flow conditions, especially during the attainment monitoring phase following shut down of EW-1.

C. MW-36S / MW-36D: Constructed in 2002 of 1-inch diameter PVC, this shallow / deep aquifer monitoring well pair is southeast of the Mid-Area plume. No chemicals of concern were detected in these wells except for estimated detections of chloroform (0.31 J µg/L) in MW-36S and acetone (2.9 µg/L J) in MW-36D, both in January 2011 and below their MCLs (80 and 14,000 µg/L, respectively).

Although contaminants of concern have not been recently detected in MW-36S or MW-36D, the October 2001 Amendment to the Administrative Order on Consent requires that the monitoring

well network be "along a 360 degree perimeter from the detected extent of groundwater contamination that exists above MCLs" for the contaminants of concern. No other monitoring wells are monitored southeast of the Mid-Area and Southern plumes. Additionally, natural groundwater flow, without the influence of pumping by EW-1, has been demonstrated to include seasonal reversals to the southeast. These monitoring wells should not be eliminated from the semi-annual groundwater stabilization system monitoring network.

D. MW-46S / MW-46D: Constructed in 2002 of 1-inch diameter PVC, this shallow / deep aquifer monitoring well pair is west of the Southern plume. Contaminants of concern in MW-46S are limited to occasional detections of acetone (3.4 J µg/L in April 2014) and chloroform (0.31 J µg/L in January 2011) below their respective EPA MCLs (14,000 and 80 µg/L, respectively). Contaminants of concern in MW-46D included regular detections of TCE (0.18 J to 0.46 J µg/L) and *cis*-1,2-DCE (0.15 J to 0.38 J µg/L). The TCE concentrations exhibit a statistically decreasing trend, with a 95 percent UCL (0.308 µg/L) and a 95 percent UCB (0.269 µg/L) well below the EPA MCL (5 µg/L). The *cis*-1,2-DCE concentrations exhibit no statistical trend, with a 95 percent UCL (0.28 µg/L) and a 95 percent UCB (0.306 µg/L) well below the EPA MCL (70 µg/L).

   Although contaminant levels in MW-46S are stable or decreasing at concentrations below EPA MCLs, the October 2001 Amendment to the Administrative Order on Consent requires that the monitoring well network be "along a 360 degree perimeter from the detected extent of groundwater contamination that exists above MCLs." No other shallow monitoring well is being monitored west of the Southern plume source area and south to southwest of the northwestern plume extent. Monitoring well MW-46S should not be eliminated from the semi-annual groundwater stabilization system monitoring network.

   Contaminant levels in MW-46D also are stable or decreasing at concentrations below EPA MCLs. Because MW-10 will continue to monitor deep groundwater west of the Southern plume source area and south of the plume body, groundwater sampling at MW-46D may be discontinued. However, groundwater elevations in MW-46D should continue to be gauged for purposes of evaluating flow conditions.

E. BMW-2S: Constructed in 1995 or 1996 of 2-inch diameter PVC, this shallow aquifer monitoring well is southwest of the Southern plume on 5101 Speaker Road property. No chemicals of concern were detected in this well except a single estimated TCE detection (0.26 J µg/L in July 2010), at a concentration below the MCL (5 µg/L).

   Because contaminants of concern in BMW-2S have not been recently detected and because MW-46S and BMW-3S will continue to monitor the shallow aquifer along the southwestern perimeter of the Southern plume, groundwater sampling and gauging at BMW-2S may be discontinued.

F. BMW-3S / BMW-3D: Constructed in 1995 or 1996 of 2-inch diameter PVC, this shallow / deep aquifer monitoring well pair is southwest of the Southern plume on 5101 Speaker Road property. No chemicals of concern have been detected in BMW-3D except two acetone detections (3.0 J and 3.8 J µg/L) well below the MCL (14,000 µg/L). Contaminants of concern in BMW-3S have included regular detections of TCE (0.24 J to 0.86 J µg/L), *cis*-1,2-DCE (0.16 J to 0.8 J µg/L), and *trans*-1,2-DCE (0.17 J to 0.31 J µg/L), and a single detection of acetone (2.3 J µg/L) well below the EPA MCL (14,000 µg/L). The TCE concentrations exhibit no statistical trend, with a 95 percent UCL (0.602 µg/L) and a 95 percent UCB (0.621 µg/L) well below the EPA MCL (5

μg/L). The *cis*-1,2-DCE concentrations exhibit no statistical trend, with a 95 percent UCL (0.603 μg/L) and a 95 percent UCB (0.662 μg/L) well below the EPA MCL (70 μg/L). The *trans*-1,2-DCE concentrations exhibit no statistical trend, with a 95 percent UCL (0.768 μg/L) and a 95 percent UCB (0.867 μg/L) well below the EPA MCL (100 μg/L).

Although contaminant levels in BMW-3S and BMW-3D are stable or decreasing at concentrations below EPA MCLs, the October 2001 Amendment to the Administrative Order on Consent requires that the monitoring well network be "along a 360 degree perimeter from the detected extent of groundwater contamination that exists above MCLs." No other monitoring well pair is being monitored southwest of the Southern plume source area, and these monitoring wells should not be eliminated from the semi-annual groundwater stabilization system monitoring network.

G. MW-44: Although the 2007 letter did not request to remove MW-44 from the monitoring program, EPA evaluated this well in light of the reduced Mid-Area plume extent. Constructed in 2002 of 1-inch diameter PVC, this deep aquifer monitoring well is across the levee, northwest of the Mid-Area plume boundary as defined in 2002. Contaminants of concern in this well included regular detections of 1,1-dichloroethane (0.27J to 2.8 μg/L), *cis*-1,2-dichloroethene (1.1. to 8.5 μg/L), and vinyl chloride (0.35 J to 6.5 μg/L), and occasional detections of 1,1-dichloroethene (0.27 J μg/L), acetone (2.5 JB to 37 μg/L), toluene (0.23 J μg/L), and *trans*-1,2-DCE (0.17 J to 0.22 J μg/L). The 1,1-DCA, *cis*-1,2-DCE, and vinyl chloride concentrations exhibit statistically decreasing trends, with 95 percent UCLs and 95 percent UCBs below their EPA MCLs. Concentrations of all other compounds were below their EPA MCLs.

Although the MW-44D concentrations and trends are favorable, monitoring well MW-42D, located between the source and MW-44D, exhibits vinyl chloride concentrations (0.38 J to 4.6 μg/L) that continue to exceed the EPA MCL. The 95 percent UCL (4.94 μg/L) and 95 percent UCB (3.43 μg/L) also exceed the EPA MCL. As such, MW-44D should continue to continue to be gauged and sampled as a "sentinel" groundwater stabilization system monitoring well.

Technical Comments:

1. Following are general comments pertaining to the groundwater monitoring network:

    a. Historically, concentrations of PCE, TCE, and DCE have significantly exceeded EPA MCLs in Southern plume well pairs MW-48S/MW-48D and MW-49S/MW-49D (for example, PCE at 280 μg/L, TCE at 200 μg/L, and DCE at 260 μg/L in October 2011). However, these source area well pairs are not typically included in progress reports to EPA. Excluding source area groundwater concentrations from monthly progress reporting hinders assessment of source area remediation efforts and may be misleading to readers who lack familiarity with the facility's environmental record. Concentrations of contaminants of concern in source area groundwater should be reported at least annually so that impacts of both source area remedies and groundwater remedies can be better evaluated.

    b. Both the October 2010 and May 2012 letters seek to exclude vinyl chloride from the list of contaminants of concern, citing a regional vinyl chloride plume detected during a 2001 direct-push investigation. However, the above-noted data review identified no vinyl

chloride detections in perimeter wells in the predominant upgradient and sidegradient directions (MW-1S, MW-2D, MW-14, MW-36S, MW-36D, MW-46S, MW-46D, BMW-2S, BMW-2D, BMW-3S, BMW-3D) and vinyl chloride is a reductive dechlorination daughter product of the PCE and TCE contamination associated with the facility. Vinyl chloride should remain a contaminant of concern for purposes of monitoring remediation and attainment.

c. Groundwater analytical data for wells IW-04, IW-08, and PM-01 are included in progress reports to EPA; however, the associated sampling locations are not identified on progress report figures. Progress reports to EPA should include a figure identifying all sampling locations.

2. Based on the current distribution of contamination, the proposed termination of EW-1 operations, and the above evaluation, the following revised groundwater monitoring network is proposed.

	Frequency		Parameters			Plume	
Well	**Annual**	**Semiannual**	**VOCs**	**MNA**	**Gauging**	**Mid-Area**	**Southern**
MW-1S		X	X		X	X	
MW-2D		X	X		X	X	
MW-6		X	X		X	X	
MW-7		X	X		X	X	
MW-9D	X		X	X	X		X
MW-10		X	X		X		X
MW-17SA		X	X		X	X	
MW-17D		X	X		X	X	
MW-20D	X		X	X	X		X
MW-22D		X	X		X	X	
MW-27S	X		X	X	X	X	
MW-30S	X		X	X	X	X	
MW-31S		X			X	X	
MW-36S		X	X		X	X	X
MW-36D		X	X		X	X	X
MW-37S	X		X	X	X		X
MW-38S	X		X	X	X		X
MW-40D	X		X	X	X		X
MW-41D		X	X		X	X	X
MW-42D		X	X		X	X	
MW-43D		X	X		X		X
MW-44D		X	X		X	X	
MW-46S		X	X		X		X
MW-46D		X*			X		X
MW-48S	X		X	X	X		X
MW-49S	X		X	X	X		X
BMW-3S		X	X		X		X
BMW-3D		X	X		X		X

* Gauged semiannually but no longer sampled under the stabilization performance monitoring network

References

Arcadis.

2007. Letter transmitting recommendations for modification of the groundwater monitoring program. From Kathy Kissick-Daveport, Arcadis. To Patricia Murrow, U.S. Environmental Protection Agency Region 7. August 7.

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Appendices

Appendix A: Analytical Data Compilation

Appendix B: EPA Groundwater Statistics Evaluation

Appendix C: EPA BIOCHLOR 2.2 Evaluation

Appendix A

Analytical Data Compilation

	MCL/PRG	2010_07 #94	2010_10 #95	2011_01 #96	2011_04 #97	2011_10 #99	2012_04 #101	2012_10 #103	2013_04 #105	2013_08 #106	2013_10 #107
MW-1S											
1,1,1-TCA	200	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,1-DCA	2.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,1-DCE	7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,2-DCE	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,2-DCE (total)	70	0.29 J	1 U	1 U	0.28 J	1 U	0.37 J	1 U	1 U	-- --	1 U
Acetone	*14000*	10 U	10 U	10 UB	10 U	10 U	10 U	10 U	10 U	-- --	10 U
Benzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Carbon tetrachloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Chlorobenzene	100	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Chloroform	80	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Chloromethane	*190*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	-- --	2 U
cis -1,2-DCE	70	0.29 J	1 U	1 U	0.28 J	1 U	0.37 J	0.23 J	1 U	-- --	1 U
Ethylbenzene	700	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Methylene chloride	5	2 U	2 U	2 U	2 U	2 UB	2 U	2 UB	2 U	-- --	2 U
PCE	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Toluene	1000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
trans -1,2-DCE	100	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
TCE	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Vinyl chloride	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Xylenes (total)	10000	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U	-- --	2 U
MW-2D											
1,1,1-TCA	200	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,1-DCA	2.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,1-DCE	7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,2-DCE	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,2-DCE (total)	70	1.6	1.3	1.4	0.68 J	1.2	0.81 J	0.53 J	0.41 J	-- --	0.32 J
Acetone	*14000*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	-- --	10 U
Benzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Carbon tetrachloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Chlorobenzene	100	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Chloroform	80	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Chloromethane	*190*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	-- --	2 U
cis -1,2-DCE	70	1.6	1.3	1.4	0.68 J	1.2	0.81 J	0.53 J	0.41 J	-- --	0.32 J
Ethylbenzene	700	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Methylene chloride	5	2 U	2 U	2 U	2 U	2 UB	2 U	2 UB	2 U	-- --	2 U
PCE	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Toluene	1000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
trans -1,2-DCE	100	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
TCE	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Vinyl chloride	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Xylenes (total)	10000	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U	-- --	2 U

	MCL/PRG	2014_03 #108	2014_04 #109	2014_06 #110	2014_10 #111	2015_02 #112	2015_04 #113	2015_07 #114	2015_10 #115	2016_01 #116	2016_04 #117
MW-1S											
1,1,1-TCA	200	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,1-DCA	2.8	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,1-DCE	7	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,2-DCE	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,2-DCE (total)	70	-- --	1 U	-- --	1 U	-- --	0.74 J	-- --	1 U	-- --	0.25 J
Acetone	*14000*	-- --	10 U	-- --	10 UB	-- --	10 U	-- --	10 U	-- --	3.2 J
Benzene	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Carbon tetrachloride	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Chlorobenzene	100	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Chloroform	80	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Chloromethane	*190*	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U
cis -1,2-DCE	70	-- --	1 U	-- --	1 U	-- --	0.74 J	-- --	1 U	-- --	0.25 J
Ethylbenzene	700	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Methylene chloride	5	-- --	2 U	-- --	2 U	-- --	2 UB	-- --	2 U	-- --	2 U
PCE	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Toluene	1000	-- --	1 U	-- --	1 U	-- --	1 U	-- --	0.19 J	-- --	1 U
trans -1,2-DCE	100	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
TCE	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Vinyl chloride	2	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Xylenes (total)	10000	-- --	1 U	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U
MW-2D											
1,1,1-TCA	200	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,1-DCA	2.8	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,1-DCE	7	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,2-DCE	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,2-DCE (total)	70	-- --	0.24 J	-- --	0.71 J	-- --	0.33 J	-- --	1	-- --	0.46 J
Acetone	*14000*	-- --	10 U	-- --	10 UB	-- --	10 U	-- --	10 U	-- --	3.2 J
Benzene	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Carbon tetrachloride	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Chlorobenzene	100	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Chloroform	80	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Chloromethane	*190*	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U
cis -1,2-DCE	70	-- --	0.24 J	-- --	0.71 J	-- --	0.33 J	-- --	1	-- --	0.46 J
Ethylbenzene	700	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Methylene chloride	5	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U
PCE	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Toluene	1000	-- --	11	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
trans -1,2-DCE	100	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
TCE	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Vinyl chloride	2	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Xylenes (total)	10000	-- --	1 U	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U

	MCL/PRG	2010_07 #94	2010_10 #95	2011_01 #96	2011_04 #97	2011_10 #99	2012_04 #101	2012_10 #103	2013_04 #105	2013_08 #106	2013_10 #107
MW-7											
1,1,1-TCA	200	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
1,1-DCA	2.8	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
1,1-DCE	7	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
1,2-DCE	5	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
1,2-DCE (total)	70	-- --	1 U	-- --	1 U	-- --	-- --	0.98 J	-- --	-- --	14
Acetone	*14000*	-- --	10 UB	-- --	10	-- --	-- --	2.8 J	-- --	-- --	10 U
Benzene	5	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
Carbon tetrachloride	5	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
Chlorobenzene	100	-- --	1 U	-- --	1 U	-- --	-- --	0.37 J	-- --	-- --	0.19 J
Chloroform	80	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
Chloromethane	*190*	-- --	2 U	-- --	2 U	-- --	-- --	2 U	-- --	-- --	2 U
cis -1,2-DCE	70	-- --	1 U	-- --	1 U	-- --	-- --	0.98 J	-- --	-- --	14
Ethylbenzene	700	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
Methylene chloride	5	-- --	2 UB	-- --	2 U	-- --	-- --	2 U	-- --	-- --	2 U
PCE	5	-- --	0.3 J	-- --	0.34 J	-- --	-- --	0.4 J	-- --	-- --	0.23
Toluene	1000	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
trans -1,2-DCE	100	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	0.38
TCE	5	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
Vinyl chloride	2	-- --	1 U	-- --	1 U	-- --	-- --	1.8	-- --	-- --	4.5
Xylenes (total)	10000	-- --	2 U	-- --	2 U	-- --	-- --	2 U	-- --	-- --	2 U
MW-9D											
1,1,1-TCA	200	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
1,1-DCA	2.8	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
1,1-DCE	7	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
1,2-DCE	5	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
1,2-DCE (total)	70	-- --	14	-- --	28	-- --	-- --	13	-- --	-- --	16
Acetone	*14000*	-- --	10 U	-- --	10 U	-- --	-- --	10 U	-- --	-- --	10 U
Benzene	5	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
Carbon tetrachloride	5	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
Chlorobenzene	100	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
Chloroform	80	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
Chloromethane	*190*	-- --	2 U	-- --	2 U	-- --	-- --	2 U	-- --	-- --	2 U
cis -1,2-DCE	70	-- --	14	-- --	27	-- --	-- --	13	-- --	-- --	15
Ethylbenzene	700	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
Methylene chloride	5	-- --	2 U	-- --	2 U	-- --	-- --	2 U	-- --	-- --	2 U
PCE	5	-- --	63	-- --	25	-- --	-- --	9.5	-- --	-- --	5.9
Toluene	1000	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
trans -1,2-DCE	100	-- --	0.24 J	-- --	0.95 J	-- --	-- --	1 U	-- --	-- --	0.21 J
TCE	5	-- --	67	-- --	47	-- --	-- --	24	-- --	-- --	24
Vinyl chloride	2	-- --	1 U	-- --	0.42 J	-- --	-- --	1 U	-- --	-- --	1 U
Xylenes (total)	10000	-- --	2 U	-- --	0.25 J	-- --	-- --	2 U	-- --	-- --	2 U

	MCL/PRG	2014_03 #108	2014_04 #109	2014_06 #110	2014_10 #111	2015_02 #112	2015_04 #113	2015_07 #114	2015_10 #115	2016_01 #116	2016_04 #117
MW-7											
1,1,1-TCA	200	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
1,1-DCA	2.8	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
1,1-DCE	7	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
1,2-DCE	5	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
1,2-DCE (total)	70	-- --	-- --	-- --	2.6	-- --	-- --	-- --	1 U	-- --	-- --
Acetone	*14000*	-- --	-- --	-- --	10 U	-- --	-- --	-- --	10 U	-- --	-- --
Benzene	5	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
Carbon tetrachloride	5	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
Chlorobenzene	100	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
Chloroform	80	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
Chloromethane	*190*	-- --	-- --	-- --	2 U	-- --	-- --	-- --	2 U	-- --	-- --
cis -1,2-DCE	70	-- --	-- --	-- --	2.6	-- --	-- --	-- --	1 U	-- --	-- --
Ethylbenzene	700	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
Methylene chloride	5	-- --	-- --	-- --	2 U	-- --	-- --	-- --	2 U	-- --	-- --
PCE	5	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
Toluene	1000	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
trans -1,2-DCE	100	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
TCE	5	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
Vinyl chloride	2	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
Xylenes (total)	10000	-- --	-- --	-- --	2 U	-- --	-- --	-- --	2 U	-- --	-- --
MW-9D											
1,1,1-TCA	200	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
1,1-DCA	2.8	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
1,1-DCE	7	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
1,2-DCE	5	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
1,2-DCE (total)	70	-- --	-- --	-- --	29	-- --	-- --	-- --	14	-- --	-- --
Acetone	*14000*	-- --	-- --	-- --	2.6 J	-- --	-- --	-- --	10 U	-- --	-- --
Benzene	5	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
Carbon tetrachloride	5	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
Chlorobenzene	100	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
Chloroform	80	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
Chloromethane	*190*	-- --	-- --	-- --	2 U	-- --	-- --	-- --	2 U	-- --	-- --
cis -1,2-DCE	70	-- --	-- --	-- --	29	-- --	-- --	-- --	14	-- --	-- --
Ethylbenzene	700	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
Methylene chloride	5	-- --	-- --	-- --	2 U	-- --	-- --	-- --	2 U	-- --	-- --
PCE	5	-- --	-- --	-- --	4.4	-- --	-- --	-- --	2.1	-- --	-- --
Toluene	1000	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
trans -1,2-DCE	100	-- --	-- --	-- --	0.21	-- --	-- --	-- --	0.21 J	-- --	-- --
TCE	5	-- --	-- --	-- --	30	-- --	-- --	-- --	13	-- --	-- --
Vinyl chloride	2	-- --	-- --	-- --	0.32	-- --	-- --	-- --	1 U	-- --	-- --
Xylenes (total)	10000	-- --	-- --	-- --	2 U	-- --	-- --	-- --	2 U	-- --	-- --

	MCL/PRG	2010_07 #94	2010_10 #95	2011_01 #96	2011_04 #97	2011_10 #99	2012_04 #101	2012_10 #103	2013_04 #105	2013_08 #106	2013_10 #107
MW-10											
1,1,1-TCA	200	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,1-DCA	2.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,1-DCE	7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,2-DCE	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,2-DCE (total)	70	1	1.4	2.1	0.73 J	7.5	3.4	0.85 J	0.57 J	-- --	0.5 J
Acetone	*14000*	10 U	10 U	2.1 J	10 U	10 U	10 U	10 U	10 U	-- --	10 U
Benzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Carbon tetrachloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Chlorobenzene	100	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Chloroform	80	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Chloromethane	*190*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	-- --	2 U
cis -1,2-DCE	70	1	1.4	2.1	0.73 J	7.2	3.4	0.85 J	0.57 J	-- --	0.5 J
Ethylbenzene	700	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Methylene chloride	5	2 U	2 U	2 U	2 UB	2 U	2 U	2 U	2 U	-- --	2 U
PCE	5	1 U	1 U	1 U	1 U	0.38 J	1 U	1 U	1 U	-- --	1 U
Toluene	1000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
trans -1,2-DCE	100	1 U	1 U	1 U	1 U	0.23 J	1 U	1 U	1 U	-- --	1 U
TCE	5	1.2	1.4	1.5	0.4 J	5.2	1.7	0.57 J	0.36 J	-- --	0.36 J
Vinyl chloride	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Xylenes (total)	10000	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U	-- --	2 U
MW-11B											
1,1,1-TCA	200	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,1-DCA	2.8	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,1-DCE	7	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,2-DCE	5	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,2-DCE (total)	70	-- --	0.29 J	-- --	1 U	1 U	0.68 J	0.75 J	0.94 J	-- --	1 U
Acetone	*14000*	-- --	10 UB	-- --	10 U	10 U	10 U	10 U	10 U	-- --	10 U
Benzene	5	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Carbon tetrachloride	5	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Chlorobenzene	100	-- --	1 U	-- --	1 U	1 U	0.8 J	0.94 J	1	-- --	0.42 J
Chloroform	80	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Chloromethane	*190*	-- --	2 U	-- --	2 U	2 U	2 U	2 U	2 U	-- --	2 U
cis -1,2-DCE	70	-- --	0.29 J	-- --	1 U	1 U	0.68 J	0.75 J	0.94 J	-- --	1 U
Ethylbenzene	700	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Methylene chloride	5	-- --	2 U	-- --	2 U	2 UB	2 U	2 UB	2 U	-- --	2 U
PCE	5	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Toluene	1000	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	1 U
trans -1,2-DCE	100	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	1 U
TCE	5	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Vinyl chloride	2	-- --	1 U	-- --	1 U	1 U	2	2.8	3.9	-- --	1 U
Xylenes (total)	10000	-- --	2 U	-- --	2 U	2 U	2 U	2 U	1 U	-- --	2 U

	MCL/PRG	2014_03 #108	2014_04 #109	2014_06 #110	2014_10 #111	2015_02 #112	2015_04 #113	2015_07 #114	2015_10 #115	2016_01 #116	2016_04 #117
MW-10											
1,1,1-TCA	200	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,1-DCA	2.8	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,1-DCE	7	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,2-DCE	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,2-DCE (total)	70	-- --	1 U	-- --	1 U	-- --	0.28 J	-- --	1.8	-- --	0.3 J
Acetone	*14000*	-- --	10 U	-- --	3.7 J	-- --	10 U	-- --	10 U	-- --	10 U
Benzene	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Carbon tetrachloride	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Chlorobenzene	100	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Chloroform	80	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Chloromethane	*190*	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U
cis -1,2-DCE	70	-- --	0.22 J	-- --	0.23 J	-- --	0.28 J	-- --	1.8	-- --	0.3 J
Ethylbenzene	700	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Methylene chloride	5	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 UB
PCE	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Toluene	1000	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
trans -1,2-DCE	100	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
TCE	5	-- --	0.22 J	-- --	0.24 J	-- --	0.25 J	-- --	0.63 J	-- --	0.36 J
Vinyl chloride	2	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Xylenes (total)	10000	-- --	1 U	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U
MW-11B											
1,1,1-TCA	200	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,1-DCA	2.8	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,1-DCE	7	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,2-DCE	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,2-DCE (total)	70	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	0.26 J
Acetone	*14000*	-- --	10 U	-- --	10 U	-- --	10 U	-- --	10 U	-- --	10 U
Benzene	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Carbon tetrachloride	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Chlorobenzene	100	-- --	0.86 J	-- --	0.22 J	-- --	0.52 J	-- --	1 U	-- --	0.62 J
Chloroform	80	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Chloromethane	*190*	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U
cis -1,2-DCE	70	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	0.26 J
Ethylbenzene	700	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Methylene chloride	5	-- --	2 U	-- --	2 U	-- --	2 UB	-- --	2 U	-- --	2 U
PCE	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Toluene	1000	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
trans -1,2-DCE	100	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
TCE	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Vinyl chloride	2	-- --	1	-- --	0.2 J	-- --	0.46 J	-- --	1 U	-- --	0.66 J
Xylenes (total)	10000	-- --	1 U	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U

	MCL/PRG	2010_07 #94	2010_10 #95	2011_01 #96	2011_04 #97	2011_10 #99	2012_04 #101	2012_10 #103	2013_04 #105	2013_08 #106	2013_10 #107
MW-11D											
1,1,1-TCA	200	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,1-DCA	2.8	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,1-DCE	7	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,2-DCE	5	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	0.68 J
1,2-DCE (total)	70	-- --	0.92 J	-- --	1	0.67 J	0.83 J	1	0.58 J	-- --	1.2
Acetone	*14000*	-- --	10 U	-- --	10 U	10 U	10 U	10 U	10 U	-- --	10 U
Benzene	5	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Carbon tetrachloride	5	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Chlorobenzene	100	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Chloroform	80	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Chloromethane	*190*	-- --	2 U	-- --	2 U	2 U	2 U	2 U	2 U	-- --	2 U
cis -1,2-DCE	70	-- --	0.92 J	-- --	1	0.67 J	0.83 J	1	0.58 J	-- --	1.2
Ethylbenzene	700	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Methylene chloride	5	-- --	2 U	-- --	2 U	2 UB	2 U	2 U	2 U	-- --	2 U
PCE	5	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Toluene	1000	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	1 U
trans -1,2-DCE	100	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	1 U
TCE	5	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Vinyl chloride	2	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Xylenes (total)	10000	-- --	2 U	-- --	2 U	2 U	2 U	2 U	1 U	-- --	2 U
MW-12											
1,1,1-TCA	200	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	-- --
1,1-DCA	2.8	-- --	1 U	-- --	0.25 J	1 U	1 U	1 U	1 U	-- --	-- --
1,1-DCE	7	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	-- --
1,2-DCE	5	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	-- --
1,2-DCE (total)	70	-- --	0.27 J	-- --	3.3	1 U	2.3	2.4	1	-- --	-- --
Acetone	*14000*	-- --	10 UB	-- --	10 U	10 U	10 U	10 U	10 U	-- --	-- --
Benzene	5	-- --	1 U	-- --	3	0.51 J	1 U	1 U	1 U	-- --	-- --
Carbon tetrachloride	5	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	-- --
Chlorobenzene	100	-- --	0.2 J	-- --	0.62 J	1 U	0.93 J	0.69 J	1	-- --	-- --
Chloroform	80	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	-- --
Chloromethane	*190*	-- --	2 U	-- --	2 U	2 U	2 U	2 U	2 U	-- --	-- --
cis -1,2-DCE	70	-- --	0.27 J	-- --	3.3	1 U	2.3	2.4	1	-- --	-- --
Ethylbenzene	700	-- --	1 U	-- --	1 U	0.42 J	0.55 J	1 U	1 U	-- --	-- --
Methylene chloride	5	-- --	2 U	-- --	2 U	2 U	2 U	2 UB	2 U	-- --	-- --
PCE	5	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	-- --
Toluene	1000	-- --	1 U	-- --	1 U	3.9	1 U	1 U	1 U	-- --	-- --
trans -1,2-DCE	100	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	-- --
TCE	5	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	-- --
Vinyl chloride	2	-- --	3.7	-- --	13	1 U	8.5	4.6	8.3	-- --	-- --
Xylenes (total)	10000	-- --	2 U	-- --	2 U	2.2	0.36 J	2 U	1 U	-- --	-- --

	MCL/PRG	2014_03 #108	2014_04 #109	2014_06 #110	2014_10 #111	2015_02 #112	2015_04 #113	2015_07 #114	2015_10 #115	2016_01 #116	2016_04 #117
MW-11D											
1,1,1-TCA	200	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,1-DCA	2.8	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,1-DCE	7	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,2-DCE	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,2-DCE (total)	70	-- --	0.58 J	-- --	0.74 J	-- --	0.6 J	-- --	0.84 J	-- --	0.9 J
Acetone	*14000*	-- --	10 U	-- --	10 U	-- --	10 U	-- --	10 U	-- --	10 U
Benzene	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Carbon tetrachloride	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Chlorobenzene	100	-- --	1 U	-- --	0.19 J	-- --	1 U	-- --	1 U	-- --	1 U
Chloroform	80	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Chloromethane	*190*	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U
cis -1,2-DCE	70	-- --	0.58 J	-- --	0.74 J	-- --	0.6 J	-- --	0.84 J	-- --	0.9 J
Ethylbenzene	700	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Methylene chloride	5	-- --	2 U	-- --	2 U	-- --	2 UB	-- --	2 U	-- --	2 U
PCE	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Toluene	1000	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
trans -1,2-DCE	100	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
TCE	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Vinyl chloride	2	-- --	0.15 J	-- --	0.61 J	-- --	1 U	-- --	1 U	-- --	1 U
Xylenes (total)	10000	-- --	1 U	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U
MW-12											
1,1,1-TCA	200	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,1-DCA	2.8	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,1-DCE	7	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,2-DCE	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,2-DCE (total)	70	-- --	2.2	-- --	0.49 J	-- --	1 U	-- --	1.7	-- --	2.2
Acetone	*14000*	-- --	10 U	-- --	10 U	-- --	10 U	-- --	2.5 J	-- --	10 U
Benzene	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Carbon tetrachloride	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Chlorobenzene	100	-- --	0.64 J	-- --	0.23 J	-- --	1 U	-- --	1 U	-- --	0.18 J
Chloroform	80	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Chloromethane	*190*	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U
cis -1,2-DCE	70	-- --	2.2	-- --	0.49 J	-- --	0.2 J	-- --	1.7	-- --	2.2
Ethylbenzene	700	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Methylene chloride	5	-- --	2 U	-- --	2 U	-- --	2 UB	-- --	2 U	-- --	2 U
PCE	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Toluene	1000	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
trans -1,2-DCE	100	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
TCE	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	0.21 J	-- --	0.19 J
Vinyl chloride	2	-- --	0.84 J	-- --	0.79 J	-- --	0.32 J	-- --	1 U	-- --	0.73 J
Xylenes (total)	10000	-- --	1 U	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U

	MCL/PRG	2010_07 #94	2010_10 #95	2011_01 #96	2011_04 #97	2011_10 #99	2012_04 #101	2012_10 #103	2013_04 #105	2013_08 #106	2013_10 #107
MW-14											
1,1,1-TCA	200	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,1-DCA	2.8	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,1-DCE	7	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,2-DCE	5	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,2-DCE (total)	70	-- --	0.74 J	-- --	0.91 J	0.92 J	0.91 J	0.98 J	0.4 J	-- --	0.98 J
Acetone	*14000*	-- --	10 U	-- --	7.9 J	10 U	39	3.1 J	10 U	-- --	10 U
Benzene	5	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Carbon tetrachloride	5	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Chlorobenzene	100	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Chloroform	80	-- --	1 U	-- --	35	1 U	1 U	1 U	1 U	-- --	1 U
Chloromethane	*190*	-- --	2 U	-- --	2 U	2 U	2 U	2 U	2 U	-- --	2 U
cis -1,2-DCE	70	-- --	0.74 J	-- --	0.9 J	0.92 J	0.91 J	0.98 J	0.4 J	-- --	0.98 J
Ethylbenzene	700	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Methylene chloride	5	-- --	2 U	-- --	2 U	2 UB	2 U	2 UB	2 U	-- --	2 U
PCE	5	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Toluene	1000	-- --	1 U	-- --	1 U	1 U	0.18 J	1 U	1 U	-- --	1 U
trans -1,2-DCE	100	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	1 U
TCE	5	-- --	1 U	-- --	0.28 J	1 U	1 U	1 U	1 U	-- --	1 U
Vinyl chloride	2	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Xylenes (total)	10000	-- --	2 U	-- --	0.41 J	2 U	2 U	2 U	1 U	-- --	2 U
MW-17SA											
1,1,1-TCA	200	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,1-DCA	2.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,1-DCE	7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,2-DCE	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,2-DCE (total)	70	1 U	1 U	0.34 J	0.24 J	1 U	1 U	1 U	1 U	-- --	1 U
Acetone	*14000*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	-- --	10 U
Benzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Carbon tetrachloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Chlorobenzene	100	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Chloroform	80	1 U	1 U	0.31 J	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Chloromethane	*190*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	-- --	2 U
cis -1,2-DCE	70	1 U	1 U	0.34 J	0.24 J	1 U	1 U	0.23 J	1 U	-- --	0.21 J
Ethylbenzene	700	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Methylene chloride	5	2 UB	2 U	2 U	2 UB	2 U	2 U	2 U	2 U	-- --	2 U
PCE	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Toluene	1000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
trans -1,2-DCE	100	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
TCE	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Vinyl chloride	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Xylenes (total)	10000	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U	-- --	2 U

	MCL/PRG	2014_03 #108	2014_04 #109	2014_06 #110	2014_10 #111	2015_02 #112	2015_04 #113	2015_07 #114	2015_10 #115	2016_01 #116	2016_04 #117
MW-14											
1,1,1-TCA	200	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,1-DCA	2.8	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,1-DCE	7	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,2-DCE	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,2-DCE (total)	70	-- --	0.5 J	-- --	0.88 J	-- --	1 U	-- --	0.78 J	-- --	0.71 J
Acetone	*14000*	-- --	10 U	-- --	10 UB	-- --	4.8 J	-- --	10 U	-- --	10 U
Benzene	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Carbon tetrachloride	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Chlorobenzene	100	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Chloroform	80	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Chloromethane	*190*	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U
cis -1,2-DCE	70	-- --	0.5 J	-- --	0.88 J	-- --	1 U	-- --	0.78 J	-- --	0.71 J
Ethylbenzene	700	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Methylene chloride	5	-- --	2 U	-- --	2 U	-- --	2 UB	-- --	2 U	-- --	2 U
PCE	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Toluene	1000	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
trans -1,2-DCE	100	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
TCE	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Vinyl chloride	2	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Xylenes (total)	10000	-- --	1 U	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U
MW-17SA											
1,1,1-TCA	200	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,1-DCA	2.8	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,1-DCE	7	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,2-DCE	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,2-DCE (total)	70	-- --	0.28 J	-- --	1 U	-- --	0.59 J	-- --	1 U	-- --	0.54 J
Acetone	*14000*	-- --	10 U	-- --	2.5 J	-- --	10 U	-- --	10 U	-- --	10 U
Benzene	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Carbon tetrachloride	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Chlorobenzene	100	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Chloroform	80	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Chloromethane	*190*	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U
cis -1,2-DCE	70	-- --	0.28 J	-- --	0.17 J	-- --	0.59 J	-- --	1 U	-- --	0.54 J
Ethylbenzene	700	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Methylene chloride	5	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 UB
PCE	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Toluene	1000	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
trans -1,2-DCE	100	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
TCE	5	-- --	1 U	-- --	1 U	-- --	0.35 J	-- --	1 U	-- --	1 U
Vinyl chloride	2	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Xylenes (total)	10000	-- --	1 U	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U

	MCL/PRG	2010_07 #94	2010_10 #95	2011_01 #96	2011_04 #97	2011_10 #99	2012_04 #101	2012_10 #103	2013_04 #105	2013_08 #106	2013_10 #107
MW-17D											
1,1,1-TCA	200	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,1-DCA	2.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,1-DCE	7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,2-DCE	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,2-DCE (total)	70	1 U	0.28 J	0.83 J	0.38 J	0.24 J	1 U	1 U	1 U	-- --	0.42 J
Acetone	*14000*	10 U	10 U	10 U	10 U	10 U	10 U	2.8 JB	10 U	-- --	10 U
Benzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Carbon tetrachloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Chlorobenzene	100	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Chloroform	80	1 U	1 U	0.31 J	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Chloromethane	*190*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	-- --	2 U
cis -1,2-DCE	70	0.18 J	0.28 J	0.83 J	0.38 J	0.24 J	0.2 J	0.22 J	0.2 J	-- --	0.42 J
Ethylbenzene	700	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Methylene chloride	5	2 UB	2 U	2 UB	2 U	2 U	2 U	2 U	2 U	-- --	2 U
PCE	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Toluene	1000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
trans -1,2-DCE	100	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
TCE	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Vinyl chloride	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Xylenes (total)	10000	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U	-- --	2 U
MW-20S											
1,1,1-TCA	200	-- --	-- --	-- --	-- --	-- --	-- --	1 U	1 U	1 U	1 U
1,1-DCA	2.8	-- --	-- --	-- --	-- --	-- --	-- --	1 U	1 U	1 U	1 U
1,1-DCE	7	-- --	-- --	-- --	-- --	-- --	-- --	1 U	1 U	1 U	1 U
1,2-DCE	5	-- --	-- --	-- --	-- --	-- --	-- --	1 U	1 U	1 U	1 U
1,2-DCE (total)	70	-- --	-- --	-- --	-- --	-- --	-- --	1 U	1 U	1 U	1 U
Acetone	*14000*	-- --	-- --	-- --	-- --	-- --	-- --	10 U	10 U	4.2 J	10 U
Benzene	5	-- --	-- --	-- --	-- --	-- --	-- --	1 U	1 U	1 U	1 U
Carbon tetrachloride	5	-- --	-- --	-- --	-- --	-- --	-- --	1 U	1 U	1 U	1 U
Chlorobenzene	100	-- --	-- --	-- --	-- --	-- --	-- --	1 U	1 U	1 U	1 U
Chloroform	80	-- --	-- --	-- --	-- --	-- --	-- --	1 U	1 U	1 U	1 U
Chloromethane	*190*	-- --	-- --	-- --	-- --	-- --	-- --	2 U	2 U	2 U	2 U
cis -1,2-DCE	70	-- --	-- --	-- --	-- --	-- --	-- --	1 U	1 U	1 U	1 U
Ethylbenzene	700	-- --	-- --	-- --	-- --	-- --	-- --	1 U	1 U	1 U	1 U
Methylene chloride	5	-- --	-- --	-- --	-- --	-- --	-- --	2 U	2 U	2 U	2 U
PCE	5	-- --	-- --	-- --	-- --	-- --	-- --	0.3 J	0.35 J	0.3 J	1 U
Toluene	1000	-- --	-- --	-- --	-- --	-- --	-- --	1 U	1 U	1 U	1 U
trans -1,2-DCE	100	-- --	-- --	-- --	-- --	-- --	-- --	1 U	1 U	1 U	1 U
TCE	5	-- --	-- --	-- --	-- --	-- --	-- --	0.69 J	0.69 J	1 U	0.2 J
Vinyl chloride	2	-- --	-- --	-- --	-- --	-- --	-- --	1 U	1 U	1 U	1 U
Xylenes (total)	10000	-- --	-- --	-- --	-- --	-- --	-- --	2 U	1 U	2 U	2 U

	MCL/PRG	2014_03 #108	2014_04 #109	2014_06 #110	2014_10 #111	2015_02 #112	2015_04 #113	2015_07 #114	2015_10 #115	2016_01 #116	2016_04 #117
MW-17D											
1,1,1-TCA	200	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,1-DCA	2.8	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,1-DCE	7	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,2-DCE	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,2-DCE (total)	70	-- --	0.26 J	-- --	1 U	-- --	1 U	-- --	0.27 J	-- --	0.31 J
Acetone	*14000*	-- --	10 U	-- --	10 U	-- --	10 U	-- --	10 U	-- --	10 U
Benzene	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Carbon tetrachloride	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Chlorobenzene	100	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Chloroform	80	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Chloromethane	*190*	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U
cis -1,2-DCE	70	-- --	0.26 J	-- --	1 U	-- --	0.23 J	-- --	0.27 J	-- --	0.31 J
Ethylbenzene	700	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Methylene chloride	5	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 UB
PCE	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Toluene	1000	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
trans -1,2-DCE	100	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
TCE	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Vinyl chloride	2	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Xylenes (total)	10000	-- --	1 U	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U
MW-20S											
1,1,1-TCA	200	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-DCA	2.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-DCE	7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-DCE	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-DCE (total)	70	1 U	1 U	15	3.7	1 U	1 U	51	1.1	6.9	1 U
Acetone	*14000*	10 UB	2.1 J	10 U	10 U	10 UB	10 U	10 U	10 U	10 U	10 U
Benzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	100	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	80	1 U	0.19 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	*190*	2 UB	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
cis 1,2-DCE	70	1 U	1 U	15	3.7	1 U	1 U	50	1.1	6.9	1 U
Ethylbenzene	700	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene chloride	5	2 U	2 U	2 UB	2 U	2 U	2 U	1 U	2 U	0.67 J	2 U
PCE	5	1 U	1 U	1 U	1 U	1 U	1 U	0.25 J	1 U	1 U	1 U
Toluene	1000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.21 J	1 U	0.18 J
trans -1,2-DCE	100	1 U	1 U	1 U	1 U	1 U	1 U	0.56 J	1 U	1 U	1 U
TCE	5	0.32 J	0.23 J	0.66 J	2.9	1 U	0.23 J	41 J	1.3	3.1	0.39 J
Vinyl chloride	2	1 U	1 U	0.71 J	1 U	1 U	1 U	0.74 J	1 U	1 U	1 U
Xylenes (total)	10000	1 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U

	MCL/PRG	2010_07 #94	2010_10 #95	2011_01 #96	2011_04 #97	2011_10 #99	2012_04 #101	2012_10 #103	2013_04 #105	2013_08 #106	2013_10 #107
MW-20D											
1,1,1-TCA	200	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
1,1-DCA	2.8	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
1,1-DCE	7	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
1,2-DCE	5	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
1,2-DCE (total)	70	-- --	29	-- --	27	-- --	-- --	7.9	-- --	-- --	4.3
Acetone	*14000*	-- --	10 U	-- --	10 U	-- --	-- --	10 U	-- --	-- --	10 U
Benzene	5	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
Carbon tetrachloride	5	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
Chlorobenzene	100	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
Chloroform	80	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
Chloromethane	*190*	-- --	2 U	-- --	2 U	-- --	-- --	2 U	-- --	-- --	2 U
cis -1,2-DCE	70	-- --	29	-- --	26	-- --	-- --	7.9	-- --	-- --	4.3
Ethylbenzene	700	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
Methylene chloride	5	-- --	2 U	-- --	2 U	-- --	-- --	2 U	-- --	-- --	2 U
PCE	5	-- --	98	-- --	18	-- --	-- --	1 U	-- --	-- --	1 U
Toluene	1000	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
trans -1,2-DCE	100	-- --	1 U	-- --	0.68 J	-- --	-- --	1 U	-- --	-- --	1 U
TCE	5	-- --	100	-- --	46	-- --	-- --	1.6	-- --	-- --	0.62 J
Vinyl chloride	2	-- --	1 U	-- --	0.35 J	-- --	-- --	0.43 J	-- --	-- --	1 U
Xylenes (total)	10000	-- --	2 U	-- --	2 U	-- --	-- --	2 U	-- --	-- --	2 U
MW-22D											
1,1,1-TCA	200	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
1,1-DCA	2.8	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
1,1-DCE	7	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
1,2-DCE	5	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
1,2-DCE (total)	70	-- --	1.5	-- --	1.4	-- --	-- --	1	-- --	-- --	1.1
Acetone	*14000*	-- --	10 UB	-- --	10 U	-- --	-- --	10 U	-- --	-- --	10 U
Benzene	5	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
Carbon tetrachloride	5	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
Chlorobenzene	100	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	0.17 J
Chloroform	80	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
Chloromethane	*190*	-- --	2 U	-- --	2 U	-- --	-- --	2 U	-- --	-- --	2 U
cis -1,2-DCE	70	-- --	1.5	-- --	1.3	-- --	-- --	1	-- --	-- --	1.1
Ethylbenzene	700	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
Methylene chloride	5	-- --	2 UB	-- --	2 U	-- --	-- --	2 U	-- --	-- --	0.36 J
PCE	5	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
Toluene	1000	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
trans -1,2-DCE	100	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
TCE	5	-- --	1 U	-- --	0.16 J	-- --	-- --	1 U	-- --	-- --	1 U
Vinyl chloride	2	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
Xylenes (total)	10000	-- --	2 U	-- --	2 U	-- --	-- --	2 U	-- --	-- --	2 U

	MCL/PRG	2014_03 #108	2014_04 #109	2014_06 #110	2014_10 #111	2015_02 #112	2015_04 #113	2015_07 #114	2015_10 #115	2016_01 #116	2016_04 #117
MW-20D											
1,1,1-TCA	200	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
1,1-DCA	2.8	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
1,1-DCE	7	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
1,2-DCE	5	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
1,2-DCE (total)	70	-- --	-- --	-- --	10	-- --	-- --	-- --	9	-- --	-- --
Acetone	*14000*	-- --	-- --	-- --	10 U	-- --	-- --	-- --	2 J	-- --	-- --
Benzene	5	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
Carbon tetrachloride	5	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
Chlorobenzene	100	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
Chloroform	80	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
Chloromethane	*190*	-- --	-- --	-- --	2 U	-- --	-- --	-- --	2 U	-- --	-- --
cis -1,2-DCE	70	-- --	-- --	-- --	10	-- --	-- --	-- --	9	-- --	-- --
Ethylbenzene	700	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
Methylene chloride	5	-- --	-- --	-- --	2 U	-- --	-- --	-- --	2 UB	-- --	-- --
PCE	5	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
Toluene	1000	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
trans -1,2-DCE	100	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
TCE	5	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1.1	-- --	-- --
Vinyl chloride	2	-- --	-- --	-- --	0.48 J	-- --	-- --	-- --	0.2 J	-- --	-- --
Xylenes (total)	10000	-- --	-- --	-- --	2 U	-- --	-- --	-- --	2 U	-- --	-- --
MW-22D											
1,1,1-TCA	200	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
1,1-DCA	2.8	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
1,1-DCE	7	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
1,2-DCE	5	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
1,2-DCE (total)	70	-- --	-- --	-- --	0.6 J	-- --	-- --	-- --	0.64 J	-- --	-- --
Acetone	*14000*	-- --	-- --	-- --	10 U	-- --	-- --	-- --	10 U	-- --	-- --
Benzene	5	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
Carbon tetrachloride	5	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
Chlorobenzene	100	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
Chloroform	80	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
Chloromethane	*190*	-- --	-- --	-- --	2 U	-- --	-- --	-- --	2 U	-- --	-- --
cis -1,2-DCE	70	-- --	-- --	-- --	0.6 J	-- --	-- --	-- --	0.64 J	-- --	-- --
Ethylbenzene	700	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
Methylene chloride	5	-- --	-- --	-- --	2 U	-- --	-- --	-- --	2 U	-- --	-- --
PCE	5	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
Toluene	1000	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
trans -1,2-DCE	100	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
TCE	5	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
Vinyl chloride	2	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
Xylenes (total)	10000	-- --	-- --	-- --	2 U	-- --	-- --	-- --	2 U	-- --	-- --

	MCL/PRG	2010_07 #94	2010_10 #95	2011_01 #96	2011_04 #97	2011_10 #99	2012_04 #101	2012_10 #103	2013_04 #105	2013_08 #106	2013_10 #107
MW-27S											
1,1,1-TCA	200	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
1,1-DCA	2.8	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
1,1-DCE	7	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
1,2-DCE	5	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
1,2-DCE (total)	70	-- --	67	-- --	19	-- --	-- --	14	-- --	-- --	50
Acetone	*14000*	-- --	10 UB	-- --	10 U	-- --	-- --	10 U	-- --	-- --	10 U
Benzene	5	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
Carbon tetrachloride	5	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
Chlorobenzene	100	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
Chloroform	80	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
Chloromethane	*190*	-- --	2 U	-- --	2 U	-- --	-- --	2 U	-- --	-- --	2 U
cis -1,2-DCE	70	-- --	56	-- --	18	-- --	-- --	13	-- --	-- --	49
Ethylbenzene	700	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
Methylene chloride	5	-- --	2 UB	-- --	2 U	-- --	-- --	2 U	-- --	-- --	2 U
PCE	5	-- --	64	-- --	54	-- --	-- --	79	-- --	-- --	72
Toluene	1000	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
trans -1,2-DCE	100	-- --	0.78 J	-- --	0.37 J	-- --	-- --	0.17 J	-- --	-- --	0.57
TCE	5	-- --	16	-- --	12	-- --	-- --	9.3	-- --	-- --	23
Vinyl chloride	2	-- --	4.4	-- --	1 U	-- --	-- --	0.49 J	-- --	-- --	4.2
Xylenes (total)	10000	-- --	2 U	-- --	2 U	-- --	-- --	2 U	-- --	-- --	2 U
MW-30S											
1,1,1-TCA	200	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
1,1-DCA	2.8	-- --	0.34 J	-- --	0.32 J	-- --	-- --	1 U	-- --	-- --	1 U
1,1-DCE	7	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
1,2-DCE	5	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
1,2-DCE (total)	70	-- --	5.5	-- --	5.4	-- --	-- --	1200	-- --	-- --	95
Acetone	*14000*	-- --	10 UB	-- --	10 U	-- --	-- --	10 U	-- --	-- --	10 U
Benzene	5	-- --	0.4 J	-- --	0.39 J	-- --	-- --	1 U	-- --	-- --	0.28
Carbon tetrachloride	5	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
Chlorobenzene	100	-- --	1.4	-- --	0.76 J	-- --	-- --	1	-- --	-- --	1
Chloroform	80	-- --	2.8	-- --	4.5	-- --	-- --	2.5	-- --	-- --	2.3
Chloromethane	*190*	-- --	2 U	-- --	2 U	-- --	-- --	2 U	-- --	-- --	2 U
cis -1,2-DCE	70	-- --	5.1	-- --	5.4	-- --	-- --	1200	-- --	-- --	93
Ethylbenzene	700	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
Methylene chloride	5	-- --	2 UB	-- --	0.52 J	-- --	-- --	2 U	-- --	-- --	2 U
PCE	5	-- --	16	-- --	11	-- --	-- --	13	-- --	-- --	4.8
Toluene	1000	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
trans -1,2-DCE	100	-- --	0.33 J	-- --	1 U	-- --	-- --	11	-- --	-- --	1.7
TCE	5	-- --	6.8	-- --	5.2	-- --	-- --	4.1	-- --	-- --	2
Vinyl chloride	2	-- --	30	-- --	8.5	-- --	-- --	71	-- --	-- --	59
Xylenes (total)	10000	-- --	2 U	-- --	2 U	-- --	-- --	2 U	-- --	-- --	2 U

	MCL/PRG	2014_03 #108	2014_04 #109	2014_06 #110	2014_10 #111	2015_02 #112	2015_04 #113	2015_07 #114	2015_10 #115	2016_01 #116	2016_04 #117
MW-27S											
1,1,1-TCA	200	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
1,1-DCA	2.8	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
1,1-DCE	7	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
1,2-DCE	5	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
1,2-DCE (total)	70	-- --	-- --	-- --	45	-- --	-- --	-- --	9.2	-- --	-- --
Acetone	*14000*	-- --	-- --	-- --	10 U	-- --	-- --	-- --	10 U	-- --	-- --
Benzene	5	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
Carbon tetrachloride	5	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
Chlorobenzene	100	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
Chloroform	80	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
Chloromethane	*190*	-- --	-- --	-- --	2 U	-- --	-- --	-- --	2 U	-- --	-- --
cis -1,2-DCE	70	-- --	-- --	-- --	44	-- --	-- --	-- --	9.2	-- --	-- --
Ethylbenzene	700	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
Methylene chloride	5	-- --	-- --	-- --	2 U	-- --	-- --	-- --	2 U	-- --	-- --
PCE	5	-- --	-- --	-- --	9.6	-- --	-- --	-- --	12	-- --	-- --
Toluene	1000	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
trans -1,2-DCE	100	-- --	-- --	-- --	0.57 J	-- --	-- --	-- --	1 U	-- --	-- --
TCE	5	-- --	-- --	-- --	4.1	-- --	-- --	-- --	1.5	-- --	-- --
Vinyl chloride	2	-- --	-- --	-- --	12	-- --	-- --	-- --	1 U	-- --	-- --
Xylenes (total)	10000	-- --	-- --	-- --	2 U	-- --	-- --	-- --	2 U	-- --	-- --
MW-30S											
1,1,1-TCA	200	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
1,1-DCA	2.8	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
1,1-DCE	7	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
1,2-DCE	5	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
1,2-DCE (total)	70	-- --	-- --	-- --	49	-- --	-- --	-- --	8.3	-- --	-- --
Acetone	*14000*	-- --	-- --	-- --	10 U	-- --	-- --	-- --	10 U	-- --	-- --
Benzene	5	-- --	-- --	-- --	1 U	-- --	-- --	-- --	0.34 J	-- --	-- --
Carbon tetrachloride	5	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
Chlorobenzene	100	-- --	-- --	-- --	0.66	-- --	-- --	-- --	0.36 J	-- --	-- --
Chloroform	80	-- --	-- --	-- --	0.53	-- --	-- --	-- --	0.45 J	-- --	-- --
Chloromethane	*190*	-- --	-- --	-- --	2 U	-- --	-- --	-- --	2 U	-- --	-- --
cis -1,2-DCE	70	-- --	-- --	-- --	48	-- --	-- --	-- --	7.9	-- --	-- --
Ethylbenzene	700	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
Methylene chloride	5	-- --	-- --	-- --	2 U	-- --	-- --	-- --	2 U	-- --	-- --
PCE	5	-- --	-- --	-- --	5.3	-- --	-- --	-- --	3.9	-- --	-- --
Toluene	1000	-- --	-- --	-- --	1 U	-- --	-- --	-- --	0.19 J	-- --	-- --
trans -1,2-DCE	100	-- --	-- --	-- --	1.5	-- --	-- --	-- --	0.42 J	-- --	-- --
TCE	5	-- --	-- --	-- --	1.7	-- --	-- --	-- --	1.5	-- --	-- --
Vinyl chloride	2	-- --	-- --	-- --	21	-- --	-- --	-- --	3.9	-- --	-- --
Xylenes (total)	10000	-- --	-- --	-- --	2 U	-- --	-- --	-- --	2 U	-- --	-- --

	MCL/PRG	2010_07 #94	2010_10 #95	2011_01 #96	2011_04 #97	2011_10 #99	2012_04 #101	2012_10 #103	2013_04 #105	2013_08 #106	2013_10 #107
MW-31S											
1,1,1-TCA	200	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,1-DCA	2.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,1-DCE	7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,2-DCE	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,2-DCE (total)	70	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Acetone	*14000*	10 U	10 U	10 U	10 U	10 UB	10 U	10 U	10 U	-- --	10 U
Benzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Carbon tetrachloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Chlorobenzene	100	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Chloroform	80	1 U	1 U	0.32 J	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Chloromethane	*190*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	-- --	2 U
cis -1,2-DCE	70	1 U	0.21 J	1 U	0.2 J	1 U	0.19 J	1 U	0.17 J	-- --	0.17 J
Ethylbenzene	700	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Methylene chloride	5	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	-- --	2 U
PCE	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Toluene	1000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
trans -1,2-DCE	100	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
TCE	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Vinyl chloride	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Xylenes (total)	10000	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U	-- --	2 U
MW-35S											
1,1,1-TCA	200	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,1-DCA	2.8	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,1-DCE	7	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,2-DCE	5	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,2-DCE (total)	70	-- --	0.31 J	-- --	1 U	0.57 J	0.28 J	0.29 J	1 U	-- --	0.34 J
Acetone	*14000*	-- --	10 U	-- --	10 U	10 U	10 U	10 U	10 U	-- --	10 U
Benzene	5	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Carbon tetrachloride	5	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Chlorobenzene	100	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Chloroform	80	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Chloromethane	*190*	-- --	2 U	-- --	2 U	2 U	2 U	2 U	2 U	-- --	2 U
cis -1,2-DCE	70	-- --	0.31 J	-- --	1 U	0.57 J	0.28 J	0.29 J	1 U	-- --	0.34 J
Ethylbenzene	700	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Methylene chloride	5	-- --	2 U	-- --	2 U	2 UB	2 U	2 UB	2 U	-- --	2 U
PCE	5	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Toluene	1000	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	1 U
trans -1,2-DCE	100	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	1 U
TCE	5	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Vinyl chloride	2	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Xylenes (total)	10000	-- --	2 U	-- --	2 U	2 U	2 U	2 U	1 U	-- --	2 U

	MCL/PRG	2014_03 #108	2014_04 #109	2014_06 #110	2014_10 #111	2015_02 #112	2015_04 #113	2015_07 #114	2015_10 #115	2016_01 #116	2016_04 #117
MW-31S											
1,1,1-TCA	200	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,1-DCA	2.8	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,1-DCE	7	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,2-DCE	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,2-DCE (total)	70	-- --	1 U	-- --	0.28 J	-- --	1 U	-- --	1 U	-- --	1 U
Acetone	*14000*	-- --	2.7 J	-- --	2.8 J	-- --	3.3 J	-- --	10 U	-- --	5.6 J
Benzene	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Carbon tetrachloride	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Chlorobenzene	100	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Chloroform	80	-- --	0.18 J	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Chloromethane	*190*	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U
cis -1,2-DCE	70	-- --	1 U	-- --	0.28 J	-- --	1 U	-- --	0.17 J	-- --	0.16 J
Ethylbenzene	700	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Methylene chloride	5	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 UB
PCE	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Toluene	1000	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
trans -1,2-DCE	100	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
TCE	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Vinyl chloride	2	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Xylenes (total)	10000	-- --	1 U	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U
MW-35S											
1,1,1-TCA	200	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,1-DCA	2.8	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,1-DCE	7	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,2-DCE	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,2-DCE (total)	70	-- --	1 U	-- --	0.27 J	-- --	1 U	-- --	0.42 J	-- --	0.44 J
Acetone	*14000*	-- --	10 U	-- --	10 U	-- --	10 U	-- --	10 U	-- --	10 U
Benzene	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Carbon tetrachloride	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Chlorobenzene	100	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Chloroform	80	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Chloromethane	*190*	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U
cis -1,2-DCE	70	-- --	1 U	-- --	0.27 J	-- --	0.2 J	-- --	0.42 J	-- --	0.44 J
Ethylbenzene	700	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Methylene chloride	5	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U
PCE	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Toluene	1000	-- --	1 U	-- --	1 U	-- --	1 U	-- --	0.26 J	-- --	1 U
trans -1,2-DCE	100	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
TCE	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Vinyl chloride	2	-- --	1 U	-- --	0.2 J	-- --	1 U	-- --	1 U	-- --	1 U
Xylenes (total)	10000	-- --	1 U	-- --	0.82 J	-- --	2 U	-- --	2 U	-- --	2 U

	MCL/PRG	2010_07 #94	2010_10 #95	2011_01 #96	2011_04 #97	2011_10 #99	2012_04 #101	2012_10 #103	2013_04 #105	2013_08 #106	2013_10 #107
MW-36S											
1,1,1-TCA	200	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,1-DCA	2.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,1-DCE	7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,2-DCE	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,2-DCE (total)	70	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Acetone	*14000*	10 U	10 UB	10 U	10 U	10 U	10 U	10 U	10 U	-- --	10 U
Benzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Carbon tetrachloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Chlorobenzene	100	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Chloroform	80	1 U	1 U	0.31 J	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Chloromethane	*190*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	-- --	2 U
cis -1,2-DCE	70	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Ethylbenzene	700	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Methylene chloride	5	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	-- --	2 U
PCE	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Toluene	1000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
trans -1,2-DCE	100	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
TCE	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Vinyl chloride	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Xylenes (total)	10000	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U	-- --	2 U
MW-36D											
1,1,1-TCA	200	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,1-DCA	2.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,1-DCE	7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,2-DCE	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,2-DCE (total)	70	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Acetone	*14000*	10 U	10 UB	2.9 J	10 U	10 U	10 U	10 U	10 U	-- --	10 U
Benzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Carbon tetrachloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Chlorobenzene	100	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Chloroform	80	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Chloromethane	*190*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	-- --	2 U
cis -1,2-DCE	70	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Ethylbenzene	700	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Methylene chloride	5	2 U	2 U	2 UB	2 U	2 U	2 U	2 U	2 U	-- --	2 U
PCE	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Toluene	1000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
trans -1,2-DCE	100	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
TCE	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Vinyl chloride	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Xylenes (total)	10000	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U	-- --	2 U

	MCL/PRG	2014_03 #108	2014_04 #109	2014_06 #110	2014_10 #111	2015_02 #112	2015_04 #113	2015_07 #114	2015_10 #115	2016_01 #116	2016_04 #117
MW-36S											
1,1,1-TCA	200	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,1-DCA	2.8	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,1-DCE	7	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,2-DCE	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,2-DCE (total)	70	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Acetone	*14000*	-- --	10 U	-- --	10 U	-- --	10 U	-- --	10 U	-- --	10 U
Benzene	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Carbon tetrachloride	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Chlorobenzene	100	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Chloroform	80	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Chloromethane	*190*	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U
cis -1,2-DCE	70	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Ethylbenzene	700	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Methylene chloride	5	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U
PCE	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Toluene	1000	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
trans -1,2-DCE	100	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
TCE	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Vinyl chloride	2	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Xylenes (total)	10000	-- --	1 U	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U
MW-36D											
1,1,1-TCA	200	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,1-DCA	2.8	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,1-DCE	7	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,2-DCE	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,2-DCE (total)	70	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Acetone	*14000*	-- --	10 U	-- --	10 U	-- --	10 U	-- --	10 U	-- --	10 U
Benzene	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Carbon tetrachloride	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Chlorobenzene	100	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Chloroform	80	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Chloromethane	*190*	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U
cis -1,2-DCE	70	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Ethylbenzene	700	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Methylene chloride	5	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U
PCE	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Toluene	1000	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
trans -1,2-DCE	100	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
TCE	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Vinyl chloride	2	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Xylenes (total)	10000	-- --	1 U	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U

	MCL/PRG	2010_07 #94	2010_10 #95	2011_01 #96	2011_04 #97	2011_10 #99	2012_04 #101	2012_10 #103	2013_04 #105	2013_08 #106	2013_10 #107
MW-37S											
1,1,1-TCA	200	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
1,1-DCA	2.8	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
1,1-DCE	7	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
1,2-DCE	5	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
1,2-DCE (total)	70	-- --	19	-- --	49	-- --	-- --	2.9	-- --	-- --	4.4
Acetone	*14000*	-- --	10 UB	-- --	10 U	-- --	-- --	10 U	-- --	-- --	10 U
Benzene	5	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
Carbon tetrachloride	5	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
Chlorobenzene	100	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
Chloroform	80	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
Chloromethane	*190*	-- --	2 U	-- --	2 U	-- --	-- --	2 U	-- --	-- --	2 U
cis -1,2-DCE	70	-- --	19	-- --	49	-- --	-- --	2.9	-- --	-- --	4.4
Ethylbenzene	700	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
Methylene chloride	5	-- --	2 U	-- --	2 U	-- --	-- --	2 U	-- --	-- --	2 U
PCE	5	-- --	12	-- --	4.3	-- --	-- --	1.1	-- --	-- --	1.2
Toluene	1000	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
trans -1,2-DCE	100	-- --	0.29 J	-- --	0.78 J	-- --	-- --	1 U	-- --	-- --	1 U
TCE	5	-- --	9.1	-- --	6.5	-- --	-- --	1.4	-- --	-- --	2.3
Vinyl chloride	2	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
Xylenes (total)	10000	-- --	2 U	-- --	0.26 J	-- --	-- --	2 U	-- --	-- --	2 U
MW-38S											
1,1,1-TCA	200	-- --	1 U	-- --	-- Dry	-- --	-- --	-- Dry	-- --	-- --	-- Dry
1,1-DCA	2.8	-- --	1 U	-- --	-- Dry	-- --	-- --	-- Dry	-- --	-- --	-- Dry
1,1-DCE	7	-- --	1 U	-- --	-- Dry	-- --	-- --	-- Dry	-- --	-- --	-- Dry
1,2-DCE	5	-- --	1 U	-- --	-- Dry	-- --	-- --	-- Dry	-- --	-- --	-- Dry
1,2-DCE (total)	70	-- --	24	-- --	-- Dry	-- --	-- --	-- Dry	-- --	-- --	-- Dry
Acetone	*14000*	-- --	10 U	-- --	-- Dry	-- --	-- --	-- Dry	-- --	-- --	-- Dry
Benzene	5	-- --	1 U	-- --	-- Dry	-- --	-- --	-- Dry	-- --	-- --	-- Dry
Carbon tetrachloride	5	-- --	1 U	-- --	-- Dry	-- --	-- --	-- Dry	-- --	-- --	-- Dry
Chlorobenzene	100	-- --	1 U	-- --	-- Dry	-- --	-- --	-- Dry	-- --	-- --	-- Dry
Chloroform	80	-- --	1 U	-- --	-- Dry	-- --	-- --	-- Dry	-- --	-- --	-- Dry
Chloromethane	*190*	-- --	2 U	-- --	-- Dry	-- --	-- --	-- Dry	-- --	-- --	-- Dry
cis -1,2-DCE	70	-- --	23	-- --	-- Dry	-- --	-- --	-- Dry	-- --	-- --	-- Dry
Ethylbenzene	700	-- --	1 U	-- --	-- Dry	-- --	-- --	-- Dry	-- --	-- --	-- Dry
Methylene chloride	5	-- --	2 U	-- --	-- Dry	-- --	-- --	-- Dry	-- --	-- --	-- Dry
PCE	5	-- --	18	-- --	-- Dry	-- --	-- --	-- Dry	-- --	-- --	-- Dry
Toluene	1000	-- --	1 U	-- --	-- Dry	-- --	-- --	-- Dry	-- --	-- --	-- Dry
trans -1,2-DCE	100	-- --	0.3 J	-- --	-- Dry	-- --	-- --	-- Dry	-- --	-- --	-- Dry
TCE	5	-- --	27	-- --	-- Dry	-- --	-- --	-- Dry	-- --	-- --	-- Dry
Vinyl chloride	2	-- --	1 U	-- --	-- Dry	-- --	-- --	-- Dry	-- --	-- --	-- Dry
Xylenes (total)	10000	-- --	2 U	-- --	-- Dry	-- --	-- --	-- Dry	-- --	-- --	-- Dry

	MCL/PRG	2014_03 #108	2014_04 #109	2014_06 #110	2014_10 #111	2015_02 #112	2015_04 #113	2015_07 #114	2015_10 #115	2016_01 #116	2016_04 #117
MW-37S											
1,1,1-TCA	200	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
1,1-DCA	2.8	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
1,1-DCE	7	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
1,2-DCE	5	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
1,2-DCE (total)	70	-- --	-- --	-- --	5.2	-- --	-- --	-- --	9.2	-- --	-- --
Acetone	*14000*	-- --	-- --	-- --	10 U	-- --	-- --	-- --	10 U	-- --	-- --
Benzene	5	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
Carbon tetrachloride	5	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
Chlorobenzene	100	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
Chloroform	80	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
Chloromethane	*190*	-- --	-- --	-- --	2 U	-- --	-- --	-- --	2 U	-- --	-- --
cis -1,2-DCE	70	-- --	-- --	-- --	5.2	-- --	-- --	-- --	9.2	-- --	-- --
Ethylbenzene	700	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
Methylene chloride	5	-- --	-- --	-- --	2 U	-- --	-- --	-- --	2 U	-- --	-- --
PCE	5	-- --	-- --	-- --	0.93	-- --	-- --	-- --	0.21 J	-- --	-- --
Toluene	1000	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
trans -1,2-DCE	100	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
TCE	5	-- --	-- --	-- --	3.4	-- --	-- --	-- --	1.2	-- --	-- --
Vinyl chloride	2	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
Xylenes (total)	10000	-- --	-- --	-- --	2 U	-- --	-- --	-- --	2 U	-- --	-- --
MW-38S											
1,1,1-TCA	200	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
1,1-DCA	2.8	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
1,1-DCE	7	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
1,2-DCE	5	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
1,2-DCE (total)	70	-- --	-- --	-- --	19	-- --	-- --	-- --	14	-- --	-- --
Acetone	*14000*	-- --	-- --	-- --	10 U	-- --	-- --	-- --	10 U	-- --	-- --
Benzene	5	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
Carbon tetrachloride	5	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
Chlorobenzene	100	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
Chloroform	80	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
Chloromethane	*190*	-- --	-- --	-- --	2 U	-- --	-- --	-- --	2 U	-- --	-- --
cis -1,2-DCE	70	-- --	-- --	-- --	19	-- --	-- --	-- --	14	-- --	-- --
Ethylbenzene	700	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
Methylene chloride	5	-- --	-- --	-- --	2 U	-- --	-- --	-- --	2 UB	-- --	-- --
PCE	5	-- --	-- --	-- --	6.6 J/U?	-- --	-- --	-- --	5.7	-- --	-- --
Toluene	1000	-- --	-- --	-- --	1 U	-- --	-- --	-- --	0.2 J	-- --	-- --
trans -1,2-DCE	100	-- --	-- --	-- --	0.55 J	-- --	-- --	-- --	0.32 J	-- --	-- --
TCE	5	-- --	-- --	-- --	12	-- --	-- --	-- --	18	-- --	-- --
Vinyl chloride	2	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
Xylenes (total)	10000	-- --	-- --	-- --	2 U	-- --	-- --	-- --	2 U	-- --	-- --

	MCL/PRG	2010_07 #94	2010_10 #95	2011_01 #96	2011_04 #97	2011_10 #99	2012_04 #101	2012_10 #103	2013_04 #105	2013_08 #106	2013_10 #107
MW-40D											
1,1,1-TCA	200	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
1,1-DCA	2.8	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
1,1-DCE	7	-- --	0.33 J	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
1,2-DCE	5	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
1,2-DCE (total)	70	-- --	29	-- --	25	-- --	-- --	28	-- --	-- --	28
Acetone	*14000*	-- --	10 U	-- --	10 UB	-- --	-- --	10 U	-- --	-- --	10 U
Benzene	5	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
Carbon tetrachloride	5	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
Chlorobenzene	100	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
Chloroform	80	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
Chloromethane	*190*	-- --	2 U	-- --	2 U	-- --	-- --	2 U	-- --	-- --	2 U
cis -1,2-DCE	70	-- --	28	-- --	24	-- --	-- --	28	-- --	-- --	27
Ethylbenzene	700	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
Methylene chloride	5	-- --	2 U	-- --	2 U	-- --	-- --	2 U	-- --	-- --	2 U
PCE	5	-- --	81	-- --	46	-- --	-- --	28	-- --	-- --	23 J/U?
Toluene	1000	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
trans -1,2-DCE	100	-- --	0.69 J	-- --	0.84 J	-- --	-- --	0.46 J	-- --	-- --	0.4 J
TCE	5	-- --	74	-- --	48	-- --	-- --	57	-- --	-- --	50
Vinyl chloride	2	-- --	0.75 J	-- --	0.98 J	-- --	-- --	1.2	-- --	-- --	0.22 J
Xylenes (total)	10000	-- --	2 U	-- --	2 U	-- --	-- --	2 U	-- --	-- --	2 U
MW-41D											
1,1,1-TCA	200	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
1,1-DCA	2.8	-- --	0.22 J	-- --	0.79 J	-- --	-- --	1 U	-- --	-- --	1 U
1,1-DCE	7	-- --	0.31 J	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
1,2-DCE	5	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
1,2-DCE (total)	70	-- --	48	-- --	24	-- --	-- --	22	-- --	-- --	25
Acetone	*14000*	-- --	10 U	-- --	10 U	-- --	-- --	10 U	-- --	-- --	10 U
Benzene	5	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
Carbon tetrachloride	5	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
Chlorobenzene	100	-- --	0.32 J	-- --	0.87 J	-- --	-- --	0.17 J	-- --	-- --	1 U
Chloroform	80	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
Chloromethane	*190*	-- --	2 U	-- --	2 U	-- --	-- --	2 U	-- --	-- --	2 U
cis -1,2-DCE	70	-- --	46	-- --	23	-- --	-- --	21	-- --	-- --	24
Ethylbenzene	700	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
Methylene chloride	5	-- --	2 U	-- --	2 U	-- --	-- --	2 U	-- --	-- --	2 U
PCE	5	-- --	2.8	-- --	2	-- --	-- --	1.6	-- --	-- --	2.3 J
Toluene	1000	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
trans -1,2-DCE	100	-- --	1.7	-- --	0.82 J	-- --	-- --	0.93 J	-- --	-- --	0.97 J
TCE	5	-- --	3.5	-- --	2.3	-- --	-- --	9.8	-- --	-- --	9.9 J/U?
Vinyl chloride	2	-- --	6.8	-- --	5.8	-- --	-- --	1 U	-- --	-- --	0.24 J
Xylenes (total)	10000	-- --	2 U	-- --	2 U	-- --	-- --	2 U	-- --	-- --	2 U

	MCL/PRG	2014_03 #108	2014_04 #109	2014_06 #110	2014_10 #111	2015_02 #112	2015_04 #113	2015_07 #114	2015_10 #115	2016_01 #116	2016_04 #117
MW-40D											
1,1,1-TCA	200	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
1,1-DCA	2.8	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
1,1-DCE	7	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
1,2-DCE	5	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
1,2-DCE (total)	70	-- --	-- --	-- --	28	-- --	-- --	-- --	25	-- --	-- --
Acetone	*14000*	-- --	-- --	-- --	10 U	-- --	-- --	-- --	10 U	-- --	-- --
Benzene	5	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
Carbon tetrachloride	5	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
Chlorobenzene	100	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
Chloroform	80	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
Chloromethane	*190*	-- --	-- --	-- --	2 U	-- --	-- --	-- --	2 U	-- --	-- --
cis -1,2-DCE	70	-- --	-- --	-- --	27	-- --	-- --	-- --	24	-- --	-- --
Ethylbenzene	700	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
Methylene chloride	5	-- --	-- --	-- --	2 U	-- --	-- --	-- --	2 U	-- --	-- --
PCE	5	-- --	-- --	-- --	19 J/U?	-- --	-- --	-- --	11	-- --	-- --
Toluene	1000	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
trans -1,2-DCE	100	-- --	-- --	-- --	0.4 J	-- --	-- --	-- --	0.61 J	-- --	-- --
TCE	5	-- --	-- --	-- --	52	-- --	-- --	-- --	27	-- --	-- --
Vinyl chloride	2	-- --	-- --	-- --	0.19 J	-- --	-- --	-- --	1 U	-- --	-- --
Xylenes (total)	10000	-- --	-- --	-- --	2 U	-- --	-- --	-- --	2 U	-- --	-- --
MW-41D											
1,1,1-TCA	200	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
1,1-DCA	2.8	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
1,1-DCE	7	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
1,2-DCE	5	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
1,2-DCE (total)	70	-- --	-- --	-- --	25	-- --	-- --	-- --	9.3	-- --	-- --
Acetone	*14000*	-- --	-- --	-- --	10 U	-- --	-- --	-- --	10 U	-- --	-- --
Benzene	5	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
Carbon tetrachloride	5	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
Chlorobenzene	100	-- --	-- --	-- --	1 U	-- --	-- --	-- --	0.19 J	-- --	-- --
Chloroform	80	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
Chloromethane	*190*	-- --	-- --	-- --	2 U	-- --	-- --	-- --	2 U	-- --	-- --
cis -1,2-DCE	70	-- --	-- --	-- --	24	-- --	-- --	-- --	9.1	-- --	-- --
Ethylbenzene	700	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
Methylene chloride	5	-- --	-- --	-- --	2 U	-- --	-- --	-- --	2 U	-- --	-- --
PCE	5	-- --	-- --	-- --	0.87 J	-- --	-- --	-- --	0.37 J	-- --	-- --
Toluene	1000	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
trans -1,2-DCE	100	-- --	-- --	-- --	0.65 J	-- --	-- --	-- --	0.22 J	-- --	-- --
TCE	5	-- --	-- --	-- --	3.1	-- --	-- --	-- --	0.48 J	-- --	-- --
Vinyl chloride	2	-- --	-- --	-- --	0.33 J	-- --	-- --	-- --	0.3 J	-- --	-- --
Xylenes (total)	10000	-- --	-- --	-- --	2 U	-- --	-- --	-- --	2 U	-- --	-- --

	MCL/PRG	2010_07 #94	2010_10 #95	2011_01 #96	2011_04 #97	2011_10 #99	2012_04 #101	2012_10 #103	2013_04 #105	2013_08 #106	2013_10 #107
MW-42D											
1,1,1-TCA	200	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
1,1-DCA	2.8	-- --	0.55 J	-- --	0.34 J	-- --	-- --	1 U	-- --	-- --	1 U
1,1-DCE	7	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
1,2-DCE	5	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
1,2-DCE (total)	70	-- --	17 J	-- --	3.2	-- --	-- --	8	-- --	-- --	7.3
Acetone	*14000*	-- --	10 U	-- --	10 U	-- --	-- --	10 U	-- --	-- --	10 U
Benzene	5	-- --	0.3 J	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
Carbon tetrachloride	5	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
Chlorobenzene	100	-- --	1.6	-- --	1	-- --	-- --	0.48 J	-- --	-- --	0.32
Chloroform	80	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
Chloromethane	*190*	-- --	2 U	-- --	2 U	-- --	-- --	2 U	-- --	-- --	2 U
cis -1,2-DCE	70	-- --	17	-- --	3.2	-- --	-- --	7.7	-- --	-- --	7.1
Ethylbenzene	700	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
Methylene chloride	5	-- --	2 U	-- --	2 U	-- --	-- --	2 U	-- --	-- --	2 U
PCE	5	-- --	0.68 J	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
Toluene	1000	-- --	1 U	-- --	1 U	-- --	-- --	1 U	-- --	-- --	1 U
trans -1,2-DCE	100	-- --	0.58 J	-- --	1 U	-- --	-- --	0.27 J	-- --	-- --	0.19 J
TCE	5	-- --	1.9	-- --	0.37 J	-- --	-- --	0.2 J	-- --	-- --	0.17 J
Vinyl chloride	2	-- --	4.6	-- --	0.44 J	-- --	-- --	1 U	-- --	-- --	0.38 J
Xylenes (total)	10000	-- --	2 U	-- --	2 U	-- --	-- --	2 U	-- --	-- --	2 U
MW-43D											
1,1,1-TCA	200	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,1-DCA	2.8	0.26 J	0.59 J	1 U	0.24 J	1	0.24 J	0.26 J	1 U	-- --	0.36 J
1,1-DCE	7	1 U	0.3 J	0.36 J	0.27 J	1 U	1 U	1 U	1 U	-- --	1 U
1,2-DCE	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,2-DCE (total)	70	5.2	36	42	39	20	30	23	21	-- --	24
Acetone	*14000*	7.4 J	10 U	10 U	10 U	10 UB	10 U	10 U	10 U	-- --	10 U
Benzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	0.16 J
Carbon tetrachloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Chlorobenzene	100	0.2 J	0.46	0.34 J	0.31 J	0.48 J	0.38 J	0.42 J	0.54	-- --	0.49 J
Chloroform	80	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Chloromethane	*190*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	-- --	2 U
cis -1,2-DCE	70	5.2	35	39	36	19	29	22	20	-- --	23
Ethylbenzene	700	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Methylene chloride	5	0.36 J	2 U	2 UB	2 UB	2 U	2 U	2 U	2 U	-- --	2 U
PCE	5	1 U	13	15	7.3	1.9	1.6	0.33 J	1 U	-- --	1 U
Toluene	1000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
trans -1,2-DCE	100	1 U	1.9	3.1	2.2	0.97 J	1.4	0.95 J	0.67	-- --	0.89 J
TCE	5	0.19 J	22	31	21	5.9	9.8	4	1.9	-- --	1.2
Vinyl chloride	2	1 U	6.8	4.6	2.8	1.6	0.45 J	0.22 J	0.18	-- --	0.39 J
Xylenes (total)	10000	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U	-- --	2 U

	MCL/PRG	2014_03 #108	2014_04 #109	2014_06 #110	2014_10 #111	2015_02 #112	2015_04 #113	2015_07 #114	2015_10 #115	2016_01 #116	2016_04 #117
MW-42D											
1,1,1-TCA	200	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
1,1-DCA	2.8	-- --	-- --	-- --	0.24 J	-- --	-- --	-- --	1 U	-- --	-- --
1,1-DCE	7	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
1,2-DCE	5	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
1,2-DCE (total)	70	-- --	-- --	-- --	6.4	-- --	-- --	-- --	15	-- --	-- --
Acetone	*14000*	-- --	-- --	-- --	10 U	-- --	-- --	-- --	10 U	-- --	-- --
Benzene	5	-- --	-- --	-- --	0.17 J	-- --	-- --	-- --	1 U	-- --	-- --
Carbon tetrachloride	5	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
Chlorobenzene	100	-- --	-- --	-- --	0.9 J	-- --	-- --	-- --	0.56 J	-- --	-- --
Chloroform	80	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
Chloromethane	*190*	-- --	-- --	-- --	2 U	-- --	-- --	-- --	2 U	-- --	-- --
cis -1,2-DCE	70	-- --	-- --	-- --	6.2	-- --	-- --	-- --	15	-- --	-- --
Ethylbenzene	700	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
Methylene chloride	5	-- --	-- --	-- --	2 U	-- --	-- --	-- --	2 U	-- --	-- --
PCE	5	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
Toluene	1000	-- --	-- --	-- --	1 U	-- --	-- --	-- --	1 U	-- --	-- --
trans -1,2-DCE	100	-- --	-- --	-- --	0.21 J	-- --	-- --	-- --	0.31 J	-- --	-- --
TCE	5	-- --	-- --	-- --	0.32 J	-- --	-- --	-- --	0.17 J	-- --	-- --
Vinyl chloride	2	-- --	-- --	-- --	1.2	-- --	-- --	-- --	3.2	-- --	-- --
Xylenes (total)	10000	-- --	-- --	-- --	2 U	-- --	-- --	-- --	2 U	-- --	-- --
MW-43D											
1,1,1-TCA	200	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,1-DCA	2.8	-- --	0.28 J	-- --	0.52 J	-- --	1 U	-- --	0.38 J	-- --	1 U
1,1-DCE	7	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,2-DCE	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,2-DCE (total)	70	-- --	22	-- --	17	-- --	25	-- --	17	-- --	19
Acetone	*14000*	-- --	2.3 J	-- --	10 U	-- --	1.9 J	-- --	10 U	-- --	10 U
Benzene	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Carbon tetrachloride	5	-- --	1 U	-- -	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Chlorobenzene	100	-- --	0.58 J	-- --	0.42 J	-- --	0.52 J	-- --	0.54 J	-- --	0.42 J
Chloroform	80	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Chloromethane	*190*	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U
cis -1,2-DCE	70	-- --	21	-- --	17	-- --	24	-- --	16	-- --	18
Ethylbenzene	700	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Methylene chloride	5	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 UB
PCE	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Toluene	1000	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
trans -1,2-DCE	100	-- --	0.65 J	-- --	0.68 J	-- --	0.74 J	-- --	0.61 J	-- --	0.55 J
TCE	5	-- --	0.33 J	-- --	1 U	-- --	0.32 J	-- --	2.2	-- --	0.17 J
Vinyl chloride	2	-- --	0.85 J	-- --	0.48 J	-- --	0.12 J	-- --	0.64 J	-- --	0.11 J
Xylenes (total)	10000	-- --	1 U	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U

	MCL/PRG	2010_07 #94	2010_10 #95	2011_01 #96	2011_04 #97	2011_10 #99	2012_04 #101	2012_10 #103	2013_04 #105	2013_08 #106	2013_10 #107
MW-44D											
1,1,1-TCA	200	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,1-DCA	2.8	2.8	2	1.6	0.75 J	0.8 J	0.34 J	0.37 J	0.29 J	-- --	0.31 J
1,1-DCE	7	0.27 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,2-DCE	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,2-DCE (total)	70	8.5	5.9	4.4	2.3	3	1.5	1.3	1.1	-- --	1.4
Acetone	*14000*	10 U	10 U	8.6 J	10 U	10 UB	10 U	10 U	10 U	-- --	2.5 JB
Benzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Carbon tetrachloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Chlorobenzene	100	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Chloroform	80	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Chloromethane	*190*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	-- --	2 U
cis -1,2-DCE	70	8.3	5.7	4.4	2.3	3	1.5	1.3	1.1	-- --	1.4
Ethylbenzene	700	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Methylene chloride	5	2 U	2 U	2 UB	2 U	2 U	2 U	2 U	2 U	-- --	2 U
PCE	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Toluene	1000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
trans -1,2-DCE	100	0.22 J	0.17 J	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
TCE	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Vinyl chloride	2	6.5	4.6	3.2	1.6	1.3	1 U	0.71 J	0.44 J	-- --	0.98 J
Xylenes (total)	10000	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U	-- --	2 U
MW-46S											
1,1,1-TCA	200	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,1-DCA	2.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,1-DCE	7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,2-DCE	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,2-DCE (total)	70	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Acetone	*14000*	10 U	10 UB	10 U	10 U	10 U	10 U	10 U	10 U	-- --	10 U
Benzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Carbon tetrachloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Chlorobenzene	100	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Chloroform	80	1 U	1 U	0.31 J	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Chloromethane	*190*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	-- --	2 U
cis -1,2-DCE	70	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Ethylbenzene	700	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Methylene chloride	5	2 U	2 U	2 U	2 UB	2 U	2 UB	2 U	2 U	-- --	2 U
PCE	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Toluene	1000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
trans -1,2-DCE	100	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
TCE	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Vinyl chloride	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Xylenes (total)	10000	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U	-- --	2 U

	MCL/PRG	2014_03 #108	2014_04 #109	2014_06 #110	2014_10 #111	2015_02 #112	2015_04 #113	2015_07 #114	2015_10 #115	2016_01 #116	2016_04 #117
MW-44D											
1,1,1-TCA	200	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,1-DCA	2.8	-- --	0.46 J	-- --	0.32 J	-- --	0.31 J	-- --	0.27 J	-- --	1 U
1,1-DCE	7	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,2-DCE	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,2-DCE (total)	70	-- --	2.5	-- --	1.9	-- --	2	-- --	1.6	-- --	1.3
Acetone	*14000*	-- --	10 U	-- --	10 U	-- --	10 U	-- --	10 U	-- --	37
Benzene	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Carbon tetrachloride	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Chlorobenzene	100	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Chloroform	80	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Chloromethane	*190*	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U
cis -1,2-DCE	70	-- --	2.5	-- --	1.9	-- --	2	-- --	1.6	-- --	1.3
Ethylbenzene	700	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Methylene chloride	5	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 UB
PCE	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Toluene	1000	-- --	1 U	-- --	1 U	-- --	1 U	-- --	0.23 J	-- --	1 U
trans -1,2-DCE	100	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
TCE	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Vinyl chloride	2	-- --	0.54 J	-- --	1 U	-- --	0.42 J	-- --	0.35 J	-- --	1 U
Xylenes (total)	10000	-- --	1 U	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U
MW-46S											
1,1,1-TCA	200	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,1-DCA	2.8	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,1-DCE	7	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,2-DCE	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,2-DCE (total)	70	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Acetone	*14000*	-- --	3.4 J	-- --	10 U	-- --	10 U	-- --	10 U	-- --	10 U
Benzene	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Carbon tetrachloride	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Chlorobenzene	100	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Chloroform	80	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Chloromethane	*190*	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U
cis -1,2-DCE	70	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Ethylbenzene	700	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Methylene chloride	5	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U
PCE	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Toluene	1000	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
trans -1,2-DCE	100	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
TCE	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Vinyl chloride	2	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Xylenes (total)	10000	-- --	1 U	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U

	MCL/PRG	2010_07 #94	2010_10 #95	2011_01 #96	2011_04 #97	2011_10 #99	2012_04 #101	2012_10 #103	2013_04 #105	2013_08 #106	2013_10 #107
MW-46D											
1,1,1-TCA	200	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,1-DCA	2.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,1-DCE	7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,2-DCE	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,2-DCE (total)	70	1 U	1 U	0.38 J	1 U	1 U	0.32 J	0.24 J	1 U	-- --	1 U
Acetone	*14000*	10 U	10 UB	10 U	10 U	10 U	10 UB	10 U	10 U	-- --	10 U
Benzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Carbon tetrachloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Chlorobenzene	100	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Chloroform	80	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Chloromethane	*190*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	-- --	2 U
cis -1,2-DCE	70	1 U	0.15 J	0.38 J	1 U	0.23 J	0.32 J	0.24 J	1 U	-- --	0.23 J
Ethylbenzene	700	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Methylene chloride	5	2 U	2 U	2 U	2 UB	2 U	2 U	2 U	2 U	-- --	2 U
PCE	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Toluene	1000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
trans -1,2-DCE	100	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
TCE	5	1 U	1 U	0.46 J	1 U	0.27 J	0.36 J	0.36 J	1 U	-- --	0.24 J
Vinyl chloride	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Xylenes (total)	10000	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U	-- --	2 U
MW-47S											
1,1,1-TCA	200	-- --	1 U	-- --	1 U	1 U	1 U	-- --	1 U	1 U	4 U
1,1-DCA	2.8	-- --	1 U	-- --	1 U	1 U	1 U	-- --	1 U	1 U	4 U
1,1-DCE	7	-- --	0.35 J	-- --	1 U	1 U	1 U	-- --	1 U	1 U	4 U
1,2-DCE	5	-- --	1 U	-- --	1 U	1 U	1 U	-- --	1 U	1 U	4 U
1,2-DCE (total)	70	-- --	180	-- --	21	49	43	-- --	0.57 J	0.29 J	4 U
Acetone	*14000*	-- --	10 UB	-- --	10 U	10 U	10 U	-- --	9.3 J	37 J	99
Benzene	5	-- --	1 U	-- --	1 U	1 U	1 U	-- --	1 U	1 U	4 U
Carbon tetrachloride	5	-- --	1 U	-- --	1 U	1 U	1 U	-- --	1 U	1 U	4 U
Chlorobenzene	100	-- --	1 U	-- --	1 U	1 U	1 U	-- --	1 U	1 U	4 U
Chloroform	80	-- --	1 U	-- --	1 U	1 U	1 U	-- --	1 U	1 U	4 U
Chloromethane	*190*	-- --	2 U	-- --	2 U	2 U	2 U	-- --	2 U	2 U	8 U
cis -1,2-DCE	70	-- --	180	-- --	21	48	43	-- --	0.4 J	0.29 J	4 U
Ethylbenzene	700	-- --	1 U	-- --	1 U	1 U	1 U	-- --	1 U	1 U	4 U
Methylene chloride	5	-- --	2 U	-- --	2 U	2 U	2 U	-- --	2 U	2 U	4.5 J
PCE	5	-- --	120	-- --	1.8	33	33	-- --	0.72 J	1 U	4 U
Toluene	1000	-- --	1 U	-- --	1 U	1 U	1 U	-- --	1 U	0.26 J	4 U
trans -1,2-DCE	100	-- --	1.1	-- --	0.27 J	0.34 J	1 U	-- --	0.17 J	1 U	4 U
TCE	5	-- --	240	-- --	12	34	18	-- --	0.18 J	1 U	4 U
Vinyl chloride	2	-- --	1 U	-- --	1 U	1 U	1 U	-- --	5.5	1 U	4 U
Xylenes (total)	10000	-- --	2 U	-- --	2 U	2 U	2 U	-- --	1 U	1 U	8 U

	MCL/PRG	2014_03 #108	2014_04 #109	2014_06 #110	2014_10 #111	2015_02 #112	2015_04 #113	2015_07 #114	2015_10 #115	2016_01 #116	2016_04 #117
MW-46D											
1,1,1-TCA	200	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,1-DCA	2.8	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,1-DCE	7	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,2-DCE	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,2-DCE (total)	70	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Acetone	*14000*	-- --	10 U	-- --	10 U	-- --	10 U	-- --	10 U	-- --	10 U
Benzene	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Carbon tetrachloride	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Chlorobenzene	100	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Chloroform	80	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Chloromethane	*190*	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U
cis -1,2-DCE	70	-- --	0.16 J	-- --	1 U	-- --	1 U	-- --	0.22 J	-- --	0.17 J
Ethylbenzene	700	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Methylene chloride	5	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U
PCE	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Toluene	1000	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
trans -1,2-DCE	100	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
TCE	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	0.18 J	-- --	0.19 J
Vinyl chloride	2	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Xylenes (total)	10000	-- --	1 U	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U
MW-47S											
1,1,1-TCA	200	1 U	-- --	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-DCA	2.8	1 U	-- --	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-DCE	7	1 U	-- --	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-DCE	5	1 U	-- --	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-DCE (total)	70	1 U	-- --	0.59 J	0.7 J	1.4	4.1	0.32 J	8.3	4.7	7.8
Acetone	*14000*	110	-- --	10 UB	10 U	30 B	2.9 J	10 U	6.3 J	10 U	10 UB
Benzene	5	1 U	-- --	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5	1 U	-- --	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	100	1 U	-- --	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	80	1 U	-- --	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	*190*	2 UB	-- --	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
cis -1,2-DCE	70	1 U	-- --	0.59 J	0.7 J	1.4	3.9	0.32 J	8.3	4.7	7.8
Ethylbenzene	700	0.16 J	-- --	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene chloride	5	3.6	-- --	2 UB	2 U	2 U	2 U	1 U	2 UB	0.81 J	2 UB
PCE	5	1 U	-- --	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	1000	1 U	-- --	7.7	38 U/J?	211	0.53 J	11	0.18 J	1 U	1 U
trans -1,2-DCE	100	1 U	-- --	1 U	1 U	1 U	0.18 J	1 U	1 U	1 U	1 U
TCE	5	1 U	-- --	0.21 J	0.23 J	0.23 J	0.21 J	0.32 J	1.7	0.7 J	2
Vinyl chloride	2	1 U	-- --	0.32 J	0.57 J	2.8	5.7	1.3	3.8	4.6	4.1
Xylenes (total)	10000	1 U	-- --	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U

	MCL/PRG	2010_07 #94	2010_10 #95	2011_01 #96	2011_04 #97	2011_10 #99	2012_04 #101	2012_10 #103	2013_04 #105	2013_08 #106	2013_10 #107
MW-47D											
1,1,1-TCA	200	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,1-DCA	2.8	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,1-DCE	7	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,2-DCE	5	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,2-DCE (total)	70	-- --	1.7	-- --	1 U	1 U	1 U	1 U	1 U	-- --	0.47 J
Acetone	*14000*	-- --	10 UB	-- --	10 U	10 U	10 U	10 U	10 U	-- --	10 U
Benzene	5	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Carbon tetrachloride	5	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Chlorobenzene	100	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Chloroform	80	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Chloromethane	*190*	-- --	2 U	-- --	2 U	2 U	2 U	2 U	2 U	-- --	2 U
cis -1,2-DCE	70	-- --	1.7	-- --	0.17 J	1 U	1 U	1 U	1 U	-- --	0.47 J
Ethylbenzene	700	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Methylene chloride	5	-- --	2 U	-- --	2 U	2 U	2 U	2 U	2 U	-- --	2 U
PCE	5	-- --	0.93 J	-- --	1 U	0.47 J	1 U	1 U	1 U	-- --	1 U
Toluene	1000	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	1 U
trans -1,2-DCE	100	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	1 U
TCE	5	-- --	2	-- --	0.35 J	0.45 J	0.35 J	0.21 J	0.17 J	-- --	0.17 J
Vinyl chloride	2	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Xylenes (total)	10000	-- --	2 U	-- --	2 U	2 U	2 U	2 U	1 U	-- --	2 U
MW-48S											
1,1,1-TCA	200	-- --	1 U	-- --	1 U	1 U	1 U	-- --	1 U	1 U	1 U
1,1-DCA	2.8	-- --	1 U	-- --	1 U	1 U	1 U	-- --	1 U	1 U	1 U
1,1-DCE	7	-- --	1 U	-- --	1 U	1 U	1 U	-- --	1 U	1 U	1 U
1,2-DCE	5	-- --	1 U	-- --	1 U	1 U	1 U	-- --	1 U	1 U	1 U
1,2-DCE (total)	70	-- --	140	-- --	42	260	29	-- --	30	13	0.74 J
Acetone	*14000*	-- --	10 UB	-- --	10 U	10 U	10 U	-- --	10 U	3.9 J	52
Benzene	5	-- --	1 U	-- --	1 U	1 U	1 U	-- --	1 U	1 U	1 U
Carbon tetrachloride	5	-- --	1 U	-- --	1 U	1 U	1 U	-- --	1 U	1 U	1 U
Chlorobenzene	100	-- --	1 U	-- --	1 U	1 U	1 U	-- --	1 U	1 U	1 U
Chloroform	80	-- --	1 U	-- --	1 U	1 U	1 U	-- --	1 U	1 U	1 U
Chloromethane	*190*	-- --	2 U	-- --	2 U	2 U	2 U	-- --	2 U	2 U	2 U
cis -1,2-DCE	70	-- --	140	-- --	42	260	29	-- --	30	13	0.74 J
Ethylbenzene	700	-- --	1 U	-- --	1 U	1 U	1 U	-- --	1 U	1 U	1 U
Methylene chloride	5	-- --	2 UB	-- --	2 U	2 U	2 U	-- --	2 U	1 U	0.52 J
PCE	5	-- --	310	-- --	34	57	34	-- --	0.22 J	1 U	0.23 J
Toluene	1000	-- --	1 U	-- --	1 U	1 U	1 U	-- --	1 U	1 U	1 U
trans -1,2-DCE	100	-- --	1.1	-- --	0.42 J	1.7	0.42 J	-- --	1 U	0.22 J	1 U
TCE	5	-- --	130	-- --	29	49	29	-- --	3.3	1	0.34 J
Vinyl chloride	2	-- --	1 U	-- --	1 U	1 U	1 U	-- --	0.8 J	10	7.8 J
Xylenes (total)	10000	-- --	2 U	-- --	2 U	2 U	2 U	-- --	1 U	2 U	2 U

	MCL/PRG	2014_03 #108	2014_04 #109	2014_06 #110	2014_10 #111	2015_02 #112	2015_04 #113	2015_07 #114	2015_10 #115	2016_01 #116	2016_04 #117
MW-47D											
1,1,1-TCA	200	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,1-DCA	2.8	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,1-DCE	7	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,2-DCE	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,2-DCE (total)	70	-- --	1 U	-- --	3.2	-- --	0.36 J	-- --	1 U	-- --	1 U
Acetone	*14000*	-- --	10 U	-- --	10 U	-- --	3.6 J	-- --	10 U	-- --	10 UB
Benzene	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Carbon tetrachloride	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Chlorobenzene	100	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Chloroform	80	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Chloromethane	*190*	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U
cis -1,2-DCE	70	-- --	0.15 J	-- --	3.2	-- --	0.36 J	-- --	1 U	-- --	0.18 J
Ethylbenzene	700	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Methylene chloride	5	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 UB	-- --	2 U
PCE	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Toluene	1000	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
trans -1,2-DCE	100	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
TCE	5	-- --	0.23 J	-- --	0.8 J	-- --	0.27 J	-- --	1 U	-- --	0.19 J
Vinyl chloride	2	-- --	1 U	-- --	1.3	-- --	1 U	-- --	1 U	-- --	1 U
Xylenes (total)	10000	-- --	1 U	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U
MW-48S											
1,1,1-TCA	200	1 U	-- --	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-DCA	2.8	1 U	-- --	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-DCE	7	1 U	-- --	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-DCE	5	1 U	-- --	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-DCE (total)	70	0.28 J	-- --	1 U	1 U	1 U	1 U	0.29 J	1.3	1 U	1 U
Acetone	*14000*	110 J	-- --	10 UB	10 U	10 U	10 U	10 U	2.9 J	10 U	10 U
Benzene	5	1 U	-- --	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5	1 U	-- --	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	100	1 U	-- --	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	80	1 U	-- --	1 U	1 U	1 U	1 U	1 U	0.54 J	1 U	1 U
Chloromethane	*190*	2 UB	-- --	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
cis -1,2-DCE	70	0.28 J	-- --	1 U	1 U	1 U	1 U	0.29 J	1.3	1 U	1 U
Ethylbenzene	700	1 U	-- --	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene chloride	5	2.1	-- --	2 UB	2 U	2 U	2 U	1 U	2 UB	0.79 J	2 U
PCE	5	1 U	-- --	1 U	1 U	1 U	1 U	1 U	0.24 J	1 U	1 U
Toluene	1000	1 U	-- --	1 U	1 U	1 U	1 U	0.29 J	1 U	1 U	1 U
trans -1,2-DCE	100	1 U	-- --	1 U	0.18 J	1 U	1 U	1 U	1 U	1 U	1 U
TCE	5	0.21 J	-- --	1 U	1 U	0.16 J	1 U	0.54 J	2.4	1 U	1 U
Vinyl chloride	2	0.37 J	-- --	0.64 J	0.45 J	1.5	1 U	1.2	0.78 J	1 U	1 U
Xylenes (total)	10000	1 U	-- --	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U

	MCL/PRG	2010_07 #94	2010_10 #95	2011_01 #96	2011_04 #97	2011_10 #99	2012_04 #101	2012_10 #103	2013_04 #105	2013_08 #106	2013_10 #107
MW-48D											
1,1,1-TCA	200	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,1-DCA	2.8	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,1-DCE	7	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,2-DCE	5	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,2-DCE (total)	70	-- --	1	-- --	1 U	3.3	1 U	1 U	1 U	-- --	1 U
Acetone	*14000*	-- --	10 U	-- --	10 U	10 U	10 U	10 U	10 U	-- --	10 U
Benzene	5	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Carbon tetrachloride	5	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Chlorobenzene	100	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Chloroform	80	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Chloromethane	*190*	-- --	2 U	-- --	2 U	2 U	2 U	2 U	2 U	-- --	2 U
cis -1,2-DCE	70	-- --	1	-- --	1 U	3.3	1 U	1 U	1 U	-- --	1 U
Ethylbenzene	700	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Methylene chloride	5	-- --	2 U	-- --	2 U	2 U	2 U	2 U	2 U	-- --	2 U
PCE	5	-- --	0.85 J	-- --	5.1	2.2	5.1	4.1	3.2 J	-- --	0.99 J
Toluene	1000	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	1 U
trans -1,2-DCE	100	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	1 U
TCE	5	-- --	1.2	-- --	0.6 J	1.4	0.6 J	0.85 J	1.3 J	-- --	0.51 J
Vinyl chloride	2	-- --	1 U	-- --	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Xylenes (total)	10000	-- --	2 U	-- --	2 U	2 U	2 U	2 U	1 U	-- --	2 U
MW-49S											
1,1,1-TCA	200	-- --	1 U	-- --	-- --	1 U	-- --	1 U	1 U	1 U	1 U
1,1-DCA	2.8	-- --	1 U	-- --	-- --	1 U	-- --	1 U	1 U	1 U	1 U
1,1-DCE	7	-- --	1 U	-- --	-- --	1 U	-- --	1 U	1 U	1 U	1 U
1,2-DCE	5	-- --	1 U	-- --	-- --	1 U	-- --	1 U	1 U	1 U	1 U
1,2-DCE (total)	70	-- --	60	-- --	-- --	61	-- --	48	39	28	24
Acetone	*14000*	-- --	10 U	-- --	-- --	10 U	-- --	2.1 JB	10 U	1.9 J	10 U
Benzene	5	-- --	1 U	-- --	-- --	1 U	-- --	1 U	1 U	1 U	1 U
Carbon tetrachloride	5	-- --	1 U	-- --	-- --	1 U	-- --	1 U	1 U	1 U	1 U
Chlorobenzene	100	-- --	1 U	-- --	-- --	1 U	-- --	1 U	1 U	1 U	1 U
Chloroform	80	-- --	1 U	-- --	-- --	1 U	-- --	1 U	1 U	1 U	1 U
Chloromethane	*190*	-- --	2 U	-- --	-- --	2 U	-- --	2 U	2 U	2 U	2 U
cis -1,2-DCE	70	-- --	60	-- --	-- --	60	-- --	48	39	27	23
Ethylbenzene	700	-- --	1 U	-- --	-- --	1 U	-- --	1 U	1 U	1 U	1 U
Methylene chloride	5	-- --	2 U	-- --	-- --	2 U	-- --	2 U	2 U	2 U	2 U
PCE	5	-- --	340	-- --	-- --	280	-- --	180	62	48	50
Toluene	1000	-- --	1 U	-- --	-- --	1 U	-- --	1 U	1 U	1 U	1 U
trans -1,2-DCE	100	-- --	1	-- --	-- --	0.79 J	-- --	0.7 J	0.34	0.38 J	0.33 J
TCE	5	-- --	350	-- --	-- --	200	-- --	130 U/J?	110	84	85
Vinyl chloride	2	-- --	1 U	-- --	-- --	1 U	-- --	1 U	1 U	1 U	1 U
Xylenes (total)	10000	-- --	2 U	-- --	-- --	2 U	-- --	2 U	2 U	2 U	2 U

	MCL/PRG	2014_03 #108	2014_04 #109	2014_06 #110	2014_10 #111	2015_02 #112	2015_04 #113	2015_07 #114	2015_10 #115	2016_01 #116	2016_04 #117
MW-48D											
1,1,1-TCA	200	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,1-DCA	2.8	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,1-DCE	7	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,2-DCE	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,2-DCE (total)	70	-- --	0.45 J	-- --	0.68 J	-- --	1 U	-- --	1 U	-- --	1 U
Acetone	*14000*	-- --	10 U	-- --	10 U	-- --	10 U	-- --	10 U	-- --	10 U
Benzene	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Carbon tetrachloride	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Chlorobenzene	100	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Chloroform	80	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Chloromethane	*190*	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U
cis -1,2-DCE	70	-- --	0.45 J	-- --	0.68 J	-- --	1 U	-- --	1 U	-- --	1 U
Ethylbenzene	700	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Methylene chloride	5	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 UB	-- --	2 U
PCE	5	-- --	0.6 J	-- --	0.61 J	-- --	0.51 J	-- --	0.64 J	-- --	0.57 J
Toluene	1000	-- --	1 U	-- --	1 U	-- --	1 U	-- --	0.25 J	-- --	1 U
trans -1,2-DCE	100	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
TCE	5	-- --	0.57 J	-- --	0.22 J	-- --	1 U	-- --	0.23 J	-- --	1 U
Vinyl chloride	2	-- --	1 U	-- --	1.6	-- --	1 U	-- --	1 U	-- --	1 U
Xylenes (total)	10000	-- --	1 U	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U
MW-49S											
1,1,1-TCA	200	1 U	-- --	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-DCA	2.8	1 U	-- --	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-DCE	7	1 U	-- --	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-DCE	5	1 U	-- --	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-DCE (total)	70	18	-- --	26	31	23	30	21	45	20	13
Acetone	*14000*	10 UB	-- --	10 U	10 U	10 UB	10 U	10 U	10 U	10 U	10 U
Benzene	5	1 U	-- --	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5	1 U	-- --	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	100	1 U	-- --	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	80	1 U	-- --	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	*190*	2 UB	-- --	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
cis -1,2-DCE	70	18	-- --	25	31	23	30	21	45	20	13
Ethylbenzene	700	1 U	-- --	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene chloride	5	2 U	-- --	2 UB	2 U	2 U	2 U	1 U	2 UB	0.7 J	2 U
PCE	5	18	-- --	16	26	32	22	8.8	15	1.2	6.7
Toluene	1000	1 U	-- --	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans -1,2-DCE	100	0.23 J	-- --	0.39 J	0.45 J	0.34 J	0.29 J	0.29 J	0.39 J	0.19 J	1 U
TCE	5	70	-- --	83	91	56	51	39	34	11	10
Vinyl chloride	2	1 U	-- --	1 U	0.14 J	1 U	0.24 J	1 U	1	0.54 J	0.5 J
Xylenes (total)	10000	1 U	-- --	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U

	MCL/PRG	2010_07 #94	2010_10 #95	2011_01 #96	2011_04 #97	2011_10 #99	2012_04 #101	2012_10 #103	2013_04 #105	2013_08 #106	2013_10 #107
MW-49D											
1,1,1-TCA	200	-- --	1 U	-- --	-- --	1 U	-- --	1 U	1 U	-- --	1 U
1,1-DCA	2.8	-- --	1 U	-- --	-- --	1 U	-- --	1 U	1 U	-- --	1 U
1,1-DCE	7	-- --	1 U	-- --	-- --	1 U	-- --	1 U	1 U	-- --	1 U
1,2-DCE	5	-- --	1 U	-- --	-- --	1 U	-- --	1 U	1 U	-- --	1 U
1,2-DCE (total)	70	-- --	8.9	-- --	-- --	24	-- --	1.2	2.3	-- --	2.4
Acetone	*14000*	-- --	10 UB	-- --	-- --	10 U	-- --	2.8 JB	10 U	-- --	10 U
Benzene	5	-- --	1 U	-- --	-- --	1 U	-- --	1 U	1 U	-- --	1 U
Carbon tetrachloride	5	-- --	1 U	-- --	-- --	1 U	-- --	1 U	1 U	-- --	1 U
Chlorobenzene	100	-- --	1 U	-- --	-- --	1 U	-- --	1 U	1 U	-- --	1 U
Chloroform	80	-- --	1 U	-- --	-- --	1 U	-- --	1 U	1 U	-- --	1 U
Chloromethane	*190*	-- --	2 U	-- --	-- --	2 U	-- --	2 U	2 U	-- --	2 U
cis -1,2-DCE	70	-- --	8.9	-- --	-- --	24	-- --	1.2	2.3	-- --	2.4
Ethylbenzene	700	-- --	1 U	-- --	-- --	1 U	-- --	1 U	1 U	-- --	1 U
Methylene chloride	5	-- --	2 UB	-- --	-- --	2 U	-- --	2 U	2 U	-- --	2 U
PCE	5	-- --	22	-- --	-- --	66	-- --	0.25 J	1 U	-- --	1 U
Toluene	1000	-- --	1 U	-- --	-- --	1 U	-- --	1 U	1 U	-- --	1 U
trans -1,2-DCE	100	-- --	1 U	-- --	-- --	0.48 J	-- --	1 U	1 U	-- --	1 U
TCE	5	-- --	28	-- --	-- --	55	-- --	1	0.52 J	-- --	0.29
Vinyl chloride	2	-- --	1 U	-- --	-- --	1 U	-- --	1 U	1 U	-- --	1 U
Xylenes (total)	10000	-- --	2 U	-- --	-- --	2 U	-- --	2 U	1 U	-- --	2 U
BMW-2S											
1,1,1-TCA	200	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,1-DCA	2.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,1-DCE	7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,2-DCE	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,2-DCE (total)	70	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Acetone	*14000*	10 U	10 UB	10 U	10 U	10 U	10 U	10 U	10 U	-- --	10 U
Benzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Carbon tetrachloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Chlorobenzene	100	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Chloroform	80	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Chloromethane	*190*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	-- --	2 U
cis -1,2-DCE	70	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Ethylbenzene	700	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Methylene chloride	5	2 UB	2 U	2 UB	2 U	2 U	2 UB	2 U	2 U	-- --	2 U
PCE	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Toluene	1000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
trans -1,2-DCE	100	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
TCE	5	0.26 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Vinyl chloride	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Xylenes (total)	10000	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U	-- --	2 U

	MCL/PRG	2014_03 #108	2014_04 #109	2014_06 #110	2014_10 #111	2015_02 #112	2015_04 #113	2015_07 #114	2015_10 #115	2016_01 #116	2016_04 #117
MW-49D											
1,1,1-TCA	200	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,1-DCA	2.8	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,1-DCE	7	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,2-DCE	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,2-DCE (total)	70	-- --	1.3	-- --	1.5	-- --	0.26 J	-- --	0.33 J	-- --	1 U
Acetone	*14000*	-- --	10 U	-- --	10 U	-- --	10 U	-- --	10 U	-- --	10 U
Benzene	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Carbon tetrachloride	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Chlorobenzene	100	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Chloroform	80	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Chloromethane	*190*	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U
cis -1,2-DCE	70	-- --	1.3	-- --	1.5	-- --	0.26 J	-- --	0.33 J	-- --	1 U
Ethylbenzene	700	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Methylene chloride	5	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U
PCE	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Toluene	1000	-- --	1 U	-- --	1 U	-- --	1 U	-- --	0.22 J	-- --	1 U
trans -1,2-DCE	100	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
TCE	5	-- --	0.49	-- --	0.36 J	-- --	0.16 J	-- --	0.21 J	-- --	1 U
Vinyl chloride	2	-- --	0.33	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Xylenes (total)	10000	-- --	1 U	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U
BMW-2S											
1,1,1-TCA	200	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,1-DCA	2.8	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,1-DCE	7	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,2-DCE	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,2-DCE (total)	70	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Acetone	*14000*	-- --	10 U	-- --	10 U	-- --	10 U	-- --	10 U	-- --	10 U
Benzene	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Carbon tetrachloride	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Chlorobenzene	100	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Chloroform	80	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Chloromethane	*190*	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U
cis -1,2-DCE	70	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Ethylbenzene	700	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Methylene chloride	5	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U
PCE	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Toluene	1000	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
trans -1,2-DCE	100	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
TCE	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Vinyl chloride	2	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Xylenes (total)	10000	-- --	1 U	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U

	MCL/PRG	2010_07 #94	2010_10 #95	2011_01 #96	2011_04 #97	2011_10 #99	2012_04 #101	2012_10 #103	2013_04 #105	2013_08 #106	2013_10 #107
BMW-3S											
1,1,1-TCA	200	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,1-DCA	2.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,1-DCE	7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,2-DCE	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,2-DCE (total)	70	1.1	0.94 J	1 U	0.67 J	1 U	0.49 J	1 U	0.89 J	-- --	0.7 J
Acetone	*14000*	10 U	10 U	10 U	10 U	10 U	10 UB	10 U	10 U	-- --	10 U
Benzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Carbon tetrachloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Chlorobenzene	100	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Chloroform	80	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Chloromethane	*190*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	-- --	2 U
cis -1,2-DCE	70	0.79 J	0.67 J	1 U	0.67 J	0.16 J	0.35 J	0.22 J	0.67 J	-- --	0.5 J
Ethylbenzene	700	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Methylene chloride	5	2 UB	2 U	2 U	2 U	2 U	2 UB	2 U	2 U	-- --	2 U
PCE	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Toluene	1000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
trans -1,2-DCE	100	0.31 J	0.28 J	1 U	1 U	1 U	1 U	1 U	0.22 J	-- --	0.19 J
TCE	5	0.81 J	0.65 J	0.38 J	0.78 J	0.28 J	0.44 J	0.28 J	0.69 J	-- --	0.42 J
Vinyl chloride	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Xylenes (total)	10000	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U	-- --	2 U
BMW-3D											
1,1,1-TCA	200	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,1-DCA	2.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,1-DCE	7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,2-DCE	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
1,2-DCE (total)	70	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Acetone	*14000*	10 U	10 UB	3.8 J	10 U	10 U	10 U	10 U	10 U	-- --	10 U
Benzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Carbon tetrachloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Chlorobenzene	100	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Chloroform	80	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Chloromethane	*190*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	-- --	2 U
cis -1,2-DCE	70	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Ethylbenzene	700	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Methylene chloride	5	2 UB	2 U	2 U	2 U	2 U	2 UB	2 U	2 U	-- --	2 U
PCE	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Toluene	1000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
trans -1,2-DCE	100	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
TCE	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Vinyl chloride	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-- --	1 U
Xylenes (total)	10000	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U	-- --	2 U

	MCL/PRG	2014_03 #108	2014_04 #109	2014_06 #110	2014_10 #111	2015_02 #112	2015_04 #113	2015_07 #114	2015_10 #115	2016_01 #116	2016_04 #117
BMW-3S											
1,1,1-TCA	200	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,1-DCA	2.8	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,1-DCE	7	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,2-DCE	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,2-DCE (total)	70	-- --	0.8 J	-- --	1.1	-- --	0.38 J	-- --	0.25 J	-- --	0.3 J
Acetone	*14000*	-- --	10 U	-- --	2.3 J	-- --	10 U	-- --	10 U	-- --	10 U
Benzene	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Carbon tetrachloride	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Chlorobenzene	100	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Chloroform	80	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Chloromethane	*190*	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U
cis -1,2-DCE	70	-- --	0.63 J	-- --	0.8 J	-- --	0.38 J	-- --	0.25 J	-- --	0.3 J
Ethylbenzene	700	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Methylene chloride	5	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U
PCE	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Toluene	1000	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
trans -1,2-DCE	100	-- --	0.17 J	-- --	0.31 J	-- --	1 U	-- --	1 U	-- --	1 U
TCE	5	-- --	0.5 J	-- --	0.86 J	-- --	0.38 J	-- --	0.24 J	-- --	0.26 J
Vinyl chloride	2	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Xylenes (total)	10000	-- --	1 U	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U
BMW-3D											
1,1,1-TCA	200	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,1-DCA	2.8	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,1-DCE	7	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,2-DCE	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
1,2-DCE (total)	70	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Acetone	*14000*	-- --	10 U	-- --	3 J	-- --	10 U	-- --	10 U	-- --	10 U
Benzene	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Carbon tetrachloride	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Chlorobenzene	100	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Chloroform	80	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Chloromethane	*190*	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U
cis -1,2-DCE	70	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Ethylbenzene	700	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Methylene chloride	5	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U
PCE	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Toluene	1000	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
trans -1,2-DCE	100	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
TCE	5	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Vinyl chloride	2	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U	-- --	1 U
Xylenes (total)	10000	-- --	1 U	-- --	2 U	-- --	2 U	-- --	2 U	-- --	2 U

	MCL/PRG	2010_07 #94	2010_10 #95	2011_01 #96	2011_04 #97	2011_10 #99	2012_04 #101	2012_10 #103	2013_04 #105	2013_08 #106	2013_10 #107
IW-04											
1,1,1-TCA	200	-- --	-- --	-- --	-- --	-- --	-- --	-- --	1 U	4 U	20 U
1,1-DCA	2.8	-- --	-- --	-- --	-- --	-- --	-- --	-- --	1 U	4 U	20 U
1,1-DCE	7	-- --	-- --	-- --	-- --	-- --	-- --	-- --	1 U	4 U	20 U
1,2-DCE	5	-- --	-- --	-- --	-- --	-- --	-- --	-- --	1 U	4 U	20 U
1,2-DCE (total)	70	-- --	-- --	-- --	-- --	-- --	-- --	-- --	1.3 J	7.5 J	20 U
Acetone	*14000*	-- --	-- --	-- --	-- --	-- --	-- --	-- --	260	660	98 J
Benzene	5	-- --	-- --	-- --	-- --	-- --	-- --	-- --	1 U	4 U	20 U
Carbon tetrachloride	5	-- --	-- --	-- --	-- --	-- --	-- --	-- --	1 U	4 U	20 U
Chlorobenzene	100	-- --	-- --	-- --	-- --	-- --	-- --	-- --	1 U	4 U	20 U
Chloroform	80	-- --	-- --	-- --	-- --	-- --	-- --	-- --	4.1	2.2 J	20 U
Chloromethane	*190*	-- --	-- --	-- --	-- --	-- --	-- --	-- --	2 U	4 U	40 U
cis -1,2-DCE	70	-- --	-- --	-- --	-- --	-- --	-- --	-- --	1.3 J	7.5	20 U
Ethylbenzene	700	-- --	-- --	-- --	-- --	-- --	-- --	-- --	0.73 J	4 U	20 U
Methylene chloride	5	-- --	-- --	-- --	-- --	-- --	-- --	-- --	8.3	6 J	11 J
PCE	5	-- --	-- --	-- --	-- --	-- --	-- --	-- --	3.6 J	4 U	20 U
Toluene	1000	-- --	-- --	-- --	-- --	-- --	-- --	-- --	1 U	4 U	20 U
trans -1,2-DCE	100	-- --	-- --	-- --	-- --	-- --	-- --	-- --	1 U	4 U	20 U
TCE	5	-- --	-- --	-- --	-- --	-- --	-- --	-- --	1 U	4 U	20 U
Vinyl chloride	2	-- --	-- --	-- --	-- --	-- --	-- --	-- --	1 U	4 U	20 U
Xylenes (total)	10000	-- --	-- --	-- --	-- --	-- --	-- --	-- --	1 U	8 U	40 U
IW-08											
1,1,1-TCA	200	-- --	-- --	-- --	-- --	-- --	-- --	-- --	1 U	4 U	1 U
1,1-DCA	2.8	-- --	-- --	-- --	-- --	-- --	-- --	-- --	1 U	4 U	1 U
1,1-DCE	7	-- --	-- --	-- --	-- --	-- --	-- --	-- --	1 U	4 U	1 U
1,2-DCE	5	-- --	-- --	-- --	-- --	-- --	-- --	-- --	1 U	4 U	1 U
1,2-DCE (total)	70	-- --	-- --	-- --	-- --	-- --	-- --	-- --	7.5	4 U	1 U
Acetone	*14000*	-- --	-- --	-- --	-- --	-- --	-- --	-- --	98	560	110
Benzene	5	-- --	-- --	-- --	-- --	-- --	-- --	-- --	1 U	4 U	1 U
Carbon tetrachloride	5	-- --	-- --	-- --	-- --	-- --	-- --	-- --	1 U	4 U	1 U
Chlorobenzene	100	-- --	-- --	-- --	-- --	-- --	-- --	-- --	1 U	4 U	1 U
Chloroform	80	-- --	-- --	-- --	-- --	-- --	-- --	-- --	2.2 J	4 U	0.46 J
Chloromethane	*190*	-- --	-- --	-- --	-- --	-- --	-- --	-- --	2 U	8 U	2 U
cis -1,2-DCE	70	-- --	-- --	-- --	-- --	-- --	-- --	-- --	7.5	4 U	1 U
Ethylbenzene	700	-- --	-- --	-- --	-- --	-- --	-- --	-- --	1 U	4 U	1 U
Methylene chloride	5	-- --	-- --	-- --	-- --	-- --	-- --	-- --	6 J	8 U	2 U
PCE	5	-- --	-- --	-- --	-- --	-- --	-- --	-- --	1 U	4 U	1 U
Toluene	1000	-- --	-- --	-- --	-- --	-- --	-- --	-- --	1 U	3.3 J	1 U
trans -1,2-DCE	100	-- --	-- --	-- --	-- --	-- --	-- --	-- --	1 U	4 U	1 U
TCE	5	-- --	-- --	-- --	-- --	-- --	-- --	-- --	1 U	4 U	1 U
Vinyl chloride	2	-- --	-- --	-- --	-- --	-- --	-- --	-- --	1 U	4 U	1 U
Xylenes (total)	10000	-- --	-- --	-- --	-- --	-- --	-- --	-- --	1 U	8 U	2 U

	MCL/PRG	2014_03 #108	2014_04 #109	2014_06 #110	2014_10 #111	2015_02 #112	2015_04 #113	2015_07 #114	2015_10 #115	2016_01 #116	2016_04 #117
IW-04											
1,1,1-TCA	200	1 U	1 U	1 U	4 U	1 U	20 U	20 U	1 U	1 U	1 U
1,1-DCA	2.8	1 U	1 U	1 U	4 U	1 U	20 U	20 U	1 U	1 U	1 U
1,1-DCE	7	1 U	1 U	1 U	4 U	1 U	20 U	20 U	1 U	1 U	1 U
1,2-DCE	5	1 U	1 U	1 U	4 U	1 U	20 U	20 U	1 U	1 U	1 U
1,2-DCE (total)	70	1 U	1 U	4.3 J	4 U	0.79 J	20 U	20 U	1 U	1 U	1 U
Acetone	*14000*	10 UB	10 U	870	560	390 B	250	140 J	28 J	10 U	10 UB
Benzene	5	0.93 J	1 U	1 U	4 U	1 U	20 U	20 U	1 U	1 U	1 U
Carbon tetrachloride	5	1 U	1 U	1 U	4 U	1 U	20 U	20 U	1 U	1 U	1 U
Chlorobenzene	100	1 U	1 U	1 U	4 U	1 U	20 U	20 U	1 U	1 U	1 U
Chloroform	80	5.6	1 U	1 U	4 U	1 U	20 U	20 U	1 U	1 U	1 U
Chloromethane	*190*	2 UB	2 U	2 U	8 U	2 U	40 U	40 U	2 U	2 U	2 U
cis -1,2-DCE	70	1 U	1 U	4.3 J	4 U	0.79 J	20 U	20 U	1 U	1 U	1 U
Ethylbenzene	700	1 U	1 U	2.3	4 U	0.5 J	3.8 J	20 U	1 U	1 U	1 U
Methylene chloride	5	3.5	2 U	2 UB	8 U	0.44 J	40 U	15 JB	2 U	11 J	2 UB
PCE	5	1 U	1 U	0.9 J	4 U	0.36 J	20 U	20 U	1 U	2.3 J	1.2 J
Toluene	1000	1 U	1 U	4.5	3.3 J	1.1	7400	3800	2100	1600	810
trans -1,2-DCE	100	1 U	1 U	1 U	4 U	1 U	20 U	20 U	1 U	1 U	1 U
TCE	5	1 U	1 U	0.28 J	4 U	1 U	20 U	20 U	1 U	1 U	1 U
Vinyl chloride	2	1 U	1 U	0.13 J	4 U	1 U	20 U	20 U	1 U	1 U	1 U
Xylenes (total)	10000	1 U	1 U	2 U	8 U	2 U	40 U	40 U	2 U	2 U	2 U
IW-08											
1,1,1-TCA	200	1 U	1 U	1 U	4 U	4 U	20 U	10 U	1 U	1 U	1 U
1,1-DCA	2.8	1 U	1 U	1 U	4 U	4 U	20 U	10 U	1 U	1 U	1 U
1,1-DCE	7	1 U	1 U	1 U	4 U	4 U	20 U	10 U	1 U	1 U	1 U
1,2-DCE	5	1 U	1 U	1 U	4 U	4 U	20 U	10 U	1 U	1 U	1 U
1,2-DCE (total)	70	1 U	1 U	2.6	4 U	4 U	20 U	10 U	1 U	0.67 J	0.28 J
Acetone	*14000*	10 UB	10 U	180	300	300 B	99 J	81 J	10 U	17	10 UB
Benzene	5	1 U	1 U	1 U	4 U	4 U	20 U	10 U	1 U	1 U	1 U
Carbon tetrachloride	5	1 U	1 U	1 U	4 U	4 U	20 U	10 U	1 U	1 U	1 U
Chlorobenzene	100	1 U	1 U	1 U	4 U	4 U	20 U	10 U	1 U	1 U	1 U
Chloroform	80	3.1	1 U	1 U	4 U	4 U	20 U	10 U	1 U	1 U	1 U
Chloromethane	*190*	2 UB	2 U	2 U	8 U	8 U	40 U	20 U	2 U	2 U	2 U
cis -1,2-DCE	70	1 U	1 U	2.6	0.79 J	4 U	20 U	10 U	1 U	0.67 J	0.28 J
Ethylbenzene	700	1 U	1 U	1 U	4 U	4 U	20 U	10 U	1 U	0.23 J	0.24 J
Methylene chloride	5	1.3 J	2 U	2 UB	8 U	8 U	40 U	20 UB	2 U	0.73 J	2 U
PCE	5	1 U	1 U	1.5	4 U	4 U	20 U	10 U	1 U	1.1	0.87 J
Toluene	1000	1 U	1 U	0.75 J	9.8	830	4200	2300	2900	26	0.82 J
trans -1,2-DCE	100	1 U	1 U	1 U	4 U	4 U	20 U	10 U	1 U	1 U	1 U
TCE	5	1 U	1 U	0.36 J	4 U	4 U	20 U	10 U	1 U	0.29 J	1 U
Vinyl chloride	2	1 U	1 U	0.51 J	4 U	4 U	20 U	10 U	1 U	0.29 J	1 U
Xylenes (total)	10000	1 U	1 U	1 U	8 U	8 U	40 U	10 U	2 U	2 U	2 U

	MCL/PRG	2010_07 #94	2010_10 #95	2011_01 #96	2011_04 #97	2011_10 #99	2012_04 #101	2012_10 #103	2013_04 #105	2013_08 #106	2013_10 #107
PM-01											
1,1,1-TCA	200	-- --	-- --	-- --	-- --	-- --	-- --	1 U	1 U	1 U	1 U
1,1-DCA	2.8	-- --	-- --	-- --	-- --	-- --	-- --	1 U	1 U	1 U	1 U
1,1-DCE	7	-- --	-- --	-- --	-- --	-- --	-- --	1 U	1 U	1 U	1 U
1,2-DCE	5	-- --	-- --	-- --	-- --	-- --	-- --	1 U	1 U	1 U	1 U
1,2-DCE (total)	70	-- --	-- --	-- --	-- --	-- --	-- --	14	58	85	39
Acetone	*14000*	-- --	-- --	-- --	-- --	-- --	-- --	10 U	10 U	10 U	10 U
Benzene	5	-- --	-- --	-- --	-- --	-- --	-- --	1 U	1 U	1 U	1 U
Carbon tetrachloride	5	-- --	-- --	-- --	-- --	-- --	-- --	1 U	1 U	1 U	1 U
Chlorobenzene	100	-- --	-- --	-- --	-- --	-- --	-- --	1 U	1 U	1 U	1 U
Chloroform	80	-- --	-- --	-- --	-- --	-- --	-- --	1 U	1 U	1 U	1 U
Chloromethane	*190*	-- --	-- --	-- --	-- --	-- --	-- --	2 U	2 U	2 U	2 U
cis -1,2-DCE	70	-- --	-- --	-- --	-- --	-- --	-- --	14	57	83	38
Ethylbenzene	700	-- --	-- --	-- --	-- --	-- --	-- --	1 U	1 U	1 U	1 U
Methylene chloride	5	-- --	-- --	-- --	-- --	-- --	-- --	2 U	2 U	2 U	2 U
PCE	5	-- --	-- --	-- --	-- --	-- --	-- --	17	24	3.6	8.5
Toluene	1000	-- --	-- --	-- --	-- --	-- --	-- --	1 U	1 U	1 U	1 U
trans -1,2-DCE	100	-- --	-- --	-- --	-- --	-- --	-- --	0.24 J	0.55 J	1.8 J	0.48 J
TCE	5	-- --	-- --	-- --	-- --	-- --	-- --	18	28	20	15
Vinyl chloride	2	-- --	-- --	-- --	-- --	-- --	-- --	1 U	12	20	3.6
Xylenes (total)	10000	-- --	-- --	-- --	-- --	-- --	-- --	2 U	1 U	2 U	2 U

No sample collected	--
Analyte is detected	
Result > MCL/PRG	

	MCL/PRG	2014_03 #108	2014_04 #109	2014_06 #110	2014_10 #111	2015_02 #112	2015_04 #113	2015_07 #114	2015_10 #115	2016_01 #116	2016_04 #117
PM-01											
1,1,1-TCA	200	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-DCA	2.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-DCE	7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-DCE	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-DCE (total)	70	32	16	50	100	12	13	35	23	3.8	4.5
Acetone	*14000*	10 UB	10 U	10 U	10 U	10 UB	10 U	10 U	10 U	10 U	10 UB
Benzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	100	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	80	1 U	0.31 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	*190*	2 UB	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
cis -1,2-DCE	70	32	16	50	100	12	13	34	23	3.8	4.5
Ethylbenzene	700	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene chloride	5	2 U	2 U	2 UB	2 U	2 U	2 U	1 U	2 U	0.66 J	2 U
PCE	5	1.3	1.5	4	6.3	2.8	2.8	21	1.7	1.8	1.1
Toluene	1000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.3 J
trans -1,2-DCE	100	0.23 J	1 U	0.42 J	1 U	0.21 J	0.2 J	0.5 J	0.31 J	1 U	1 U
TCE	5	4.4	4	19	35	4.8	5.3	46	5.9	5.9	4.1
Vinyl chloride	2	5.7	0.18 J	12	3.9	1 U	1 U	1 U	0.36 J	1 U	1 U
Xylenes (total)	10000	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U

No sample collected --
Analyte is detected
Result > MCL/PRG

Appendix B

EPA Groundwater Statistics Evaluation

Monitoring Event	MW-02D cis12DCE	MW-7 PCE	MW-10 cis12DCE	MW-10 TCE	MW-11B Chlorobenzene	MW-11B cis12DCE	MW-11B Vinyl chloride	MW-11D cis12DCE	MW-12 Chlorobenzene
7/1/2010	1.6	--	1	1.2	--	--	--	--	--
10/1/2010	1.3	0.3 J	1.4	1.4	1 U	0.29 J	1 U	0.92 J	0.2 J
1/1/2011	1.4	--	2.1	1.5	--	--	--	--	--
4/1/2011	0.68 J	--	0.73 J	0.4 J	1 U	1 U	1 U	1	0.62 J
10/1/2011	1.2	0.34 J	7.2	5.2	1 U	1 U	1 U	0.67 J	1 U
4/1/2012	0.81 J	--	3.4	1.7	0.8 J	0.68 J	2	0.83 J	0.93 J
10/1/2012	0.53 J	0.4 J	0.85 J	0.57 J	0.94 J	0.75 J	2.8	1	0.69 J
4/1/2013	0.41 J	--	0.57 J	0.36 J	1	0.94 J	3.9	0.58 J	1
10/1/2013	0.32 J	0.23 J	0.5 J	0.36 J	0.42 J	1 U	1 U	1.2	--
4/1/2014	0.24 J	--	0.22 J	0.22 J	0.86 J	1 U	1	0.58 J	0.64 J
10/1/2014	0.71 J	1 U	0.23 J	0.24 J	0.22 J	1 U	0.2 J	0.74 J	0.23 J
4/1/2015	0.33 J	--	0.28 J	0.25 J	0.52 J	1 U	0.46 J	0.6 J	1 U
10/1/2015	1	1 U	1.8 J	0.63 J	1 U	1 U	1 U	0.84 J	1 U
4/1/2016	0.46 J	--	0.3 J	0.36 J	0.62 J	0.26 J	0.66 J	0.9 J	0.18 J
MCL/PRG:	70	5	70	5	100	70	2	70	100

STATISTICS:

Data Points	14	4	14	9	12	5	12	12	11
Trend	decreasing	none	decreasing	none	none	none	none	none	none
95% UCL	0.996	0.402	3.66	1.2	1.03	0.868	2.69	0.923	1.01
UCL Method	Student's t UCL	Student's t UCL	Chebyshev UCL	Chebyshev UCL	KM Chebyshev UCL	Student's t UCL	KM Chebyshev UCL	Student's t UCL	KM Chebyshev UCL
95% UCB	0.734	0.594	1.23	0.57	0.978	1.52	3.86	1.02	0.759
UCB Method	Ordinary Least Squares	Ordinary Least Squares	Theil-Sen/ Mann-Kendall	Theil-Sen/ Mann-Kendall	Ordinary Least Squares	Ordinary Least Squares	Theil-Sen/ Mann-Kendall	Ordinary Least Squares	Ordinary Least Squares

Notes
Statistics were completed for wells within or adjacent to the mapped EW-1 capture zone.
Statistics were completed for wells evaluated for removal from the monitoring program.
Statistics could only be completed for contaminants of concern with four or more detections.
Early results were omitted if negative results were predicted by linear regression trend.
Non-detect results were omitted if the reporting limit exceeded the highest detection.
Run August 2016 (EPA_2014_GWStatisticsTool_08112014.final_)

Monitoring Event	MW-12 cis12DCE	MW-12 Vinyl chloride	MW-17A cis12DCE	MW-17D cis12DCE	MW-22D cis12DCE	MW-27S cis12DCE	MW-30S Benzene	MW-30S Chlorobenzene	MW-30S Chloroform
7/1/2010	--	--	1 U	0.18 J	--	--	--	--	--
10/1/2010	0.27 J	3.7	1 U	0.28 J	1.5	56	0.4 J	1.4	2.8
1/1/2011	--	--	0.34 J	0.83 J	--	--	--	--	--
4/1/2011	3.3	13	0.24 J	0.38 J	--	--	--	--	--
10/1/2011	1 U	1 U	1 U	0.24 J	1.3	18	0.39 J	0.76 J	4.5
4/1/2012	2.3	8.5	1 U	0.2 J	--	--	--	--	--
10/1/2012	2.4	4.6	0.23 J	0.22 J	1	13	1 U	1	2.5
4/1/2013	1	8.3	1 U	0.2 J	--	--	--	--	--
10/1/2013	--	--	0.21 J	0.42 J	1.1	49	0.28	1	2.3
4/1/2014	2.2	0.84 J	0.28 J	0.26 J	--	--	--	--	--
10/1/2014	0.49 J	0.79 J	0.17 J	1 U	0.6 J	44	1 U	0.66	0.53
4/1/2015	0.2 J	0.32 J	0.59 J	0.23 J	--	--	--	--	--
10/1/2015	1.7	1 U	1 U	0.27 J	0.64 J	9.2	0.34 J	0.36 J	0.45 J
4/1/2016	2.2	0.73 J	0.54 J	0.31 J	--	--	--	--	--
MCL/PRG:	70	2	70	70	70	70	5	100	80

STATISTICS:

Data Points	11	4	8	13	6	6	4	6	6
Trend	none	none	none	none	decreasing	none	none	decreasing	decreasing
95% UCL	2.92	0.95	0.57	0.52	1.31	48.3	0.418	1.16	3.43
UCL Method	KM Chebyshev UCL	Student's t UCL	Chebyshev UCL	Chebyshev UCL	Student's t UCL	Student's t UCL	Student's t UCL	Student's t UCL	Student's t UCL
95% UCB	3	0.73	0.678	0.349	0.854	72.2	0.494	0.945	2.46
UCB Method	Ordinary Least Squares	Theil-Sen/ Mann-Kendall	Ordinary Least Squares	Theil-Sen/ Mann-Kendall	Ordinary Least Squares	Theil-Sen/ Mann-Kendall	Ordinary Least Squares	Ordinary Least Squares	Ordinary Least Squares

Monitoring Event	MW-30S cis12DCE	MW-30S PCE	MW-30S trans12DCE	MW-30S TCE	MW-30S Vinyl chloride	MW31S cis12DCE	MW-40D cis12DCE	MW-40D PCE	MW-40D trans12DCE
7/1/2010	--	--	--	--	--	1 U	--	--	--
10/1/2010	5.1	16	0.33 J	6.8	30	0.21 J	28	81	0.69 J
1/1/2011	--	--	--	--	--	1 U	--	--	--
4/1/2011	--	--	--	--	--	0.2 J	--	--	--
10/1/2011	5.4	11	1 U	5.2	8.5	1 U	24	46	0.84 J
4/1/2012	--	--	--	--	--	0.19 J	--	--	--
10/1/2012	1200	13	11	4.1	71	1 U	28	28	0.46 J
4/1/2013	--	--	--	--	--	0.17 J	--	--	--
10/1/2013	93	4.8	1.7	2	59	0.17 J	27	23 J	0.4 J
4/1/2014	--	--	--	--	--	1 U	--	--	--
10/1/2014	48	5.3	1.5	1.7	21	0.28 J	27	19 J	0.4 J
4/1/2015	--	--	--	--	--	1 U	--	--	--
10/1/2015	7.9	3.9	0.42 J	1.5	3.9	0.17 J	24	11	0.61 J
4/1/2016	--	--	--	--	--	0.16 J	--	--	--
MCL/PRG:	70	5	100	5	2	70	70	5	100

STATISTICS:

Data Points	6	6	6	6	6	8	6	6	6
Trend	none	decreasing	none	decreasing	none	decreasing	none	decreasing	none
95% UCL	1078	13.1	10.1	5.34	54.7	0.25	29.6	55.7	0.713
UCL Method	Chebyshev UCL	Student's t UCL	KM Chebyshev UCL	Student's t UCL	Student's t UCL	Chebyshev UCL	Chebyshev UCL	Student's t UCL	Student's t UCL
95% UCB	2390	7.77	21.7	2.17	88.2	0.262	29.9	28.4	0.798
UCB Method	Theil-Sen/ Mann-Kendall	Ordinary Least Squares	Theil-Sen/ Mann-Kendall	Ordinary Least Squares	Ordinary Least Squares	Theil-Sen/ Mann-Kendall	Theil-Sen/ Mann-Kendall	Ordinary Least Squares	Ordinary Least Squares

Monitoring Event	MW-40D TCE	MW-40D Vinyl chloride	MW-42D Chlorobenzene	MW-42D cis12DCE	MW-42D trans12DCE	MW-42D TCE	MW-42D Vinyl chloride	MW-44D 1,1DCA	MW-44D cis12DCE
7/1/2010	--	--	--	--	--	--	--	2.8	8.3
10/1/2010	74	0.75 J	1.6	17	0.58 J	1.9	4.6	2	5.7
1/1/2011	--	--	--	--	--	--	--	1.6	4.4
4/1/2011	--	--	--	--	--	--	--	0.75 J	2.3
10/1/2011	48	0.98 J	1	3.2	1 U	0.37 J	0.44 J	0.8 J	3
4/1/2012	--	--	--	--	--	--	--	0.34 J	1.5
10/1/2012	57	1.2	0.48 J	7.7	0.27 J	0.2 J	1 U	0.37 J	1.3
4/1/2013	--	--	--	--	--	--	--	0.29 J	1.1
10/1/2013	50	0.22 J	0.32	7.1	0.19 J	0.17 J	0.38 J	0.31 J	1.4
4/1/2014	--	--	--	--	--	--	--	0.46 J	2.5
10/1/2014	52	0.19 J	0.9 J	6.2	0.21 J	0.32 J	1.2	0.32 J	1.9
4/1/2015	--	--	--	--	--	--	--	0.31 J	2
10/1/2015	27	1 U	0.56 J	15	0.31 J	0.17 J	3.2	0.27 J	1.6
4/1/2016	--	--	--	--	--	--	--	1 U	1.3
MCL/PRG:	5	2	100	70	100	5	2	2.8	70

STATISTICS:

Data Points	6	6	6	6	5	5	6	11	14
Trend	decreasing	none	none	none	none	none	none	decreasing	decreasing
95% UCL	63.8	1.49	1.19	13.8	0.462	0.335	4.94	1.05	5.15
UCL Method	Student's t UCL	KM Chebyshev UCL	Student's t UCL	Student's t UCL	Student's t UCL	Student's t UCL	KM Chebyshev UCL	Chebyshev UCL	Chebyshev UCL
95% UCB	56.1	1.44	1.24	22.1	0.486	0.431	3.43	0.517	2.48
UCB Method	Ordinary Least Squares	Ordinary Least Squares	Ordinary Least Squares	Ordinary Least Squares	Ordinary Least Squares	Ordinary Least Squares	Theil-Sen/ Mann-Kendall	Ordinary Least Squares	Ordinary Least Squares

Monitoring Event	MW-44D Vinyl chloride	MW46D cis12DCE	MW46D TCE	BMW3S TCE	BMW3S cis12DCE	BMW3S trans12DCE
7/1/2010	6.5	1 U	1 U	0.81 J	0.79 J	0.31 J
10/1/2010	4.6	0.15 J	1 U	0.65 J	0.67 J	0.28 J
1/1/2011	3.2	0.38 J	0.46 J	0.38 J	1 U	1 U
4/1/2011	1.6	1 U	1 U	0.78 J	0.67 J	1 U
10/1/2011	1.3	0.23 J	0.27 J	0.28 J	0.16 J	1 U
4/1/2012	1 U	0.32 J	0.36 J	0.44 J	0.35 J	1 U
10/1/2012	0.71 J	0.24 J	0.36 J	0.28 J	0.22 J	1 U
4/1/2013	0.44 J	1 U	1 U	0.69 J	0.67 J	0.22 J
10/1/2013	0.98 J	0.23 J	0.24 J	0.42 J	0.5 J	0.19 J
4/1/2014	0.54 J	0.16 J	1 U	0.5 J	0.63 J	0.17 J
10/1/2014	1 U	1 U	1 U	0.86 J	0.8 J	0.31 J
4/1/2015	0.42 J	1 U	1 U	0.38 J	0.38 J	1 U
10/1/2015	0.35 J	0.22 J	0.18 J	0.24 J	0.25 J	1 U
4/1/2016	1 U	0.17 J	0.19 J	0.26 J	0.3 J	1 U
MCL/PRG:	2	70	5	5	70	100

STATISTICS:

Data Points	10	9	7	14	13	6
Trend	decreasing	none	decreasing	none	none	none
95% UCL	1.14	0.28	0.308	0.602	0.603	0.768
UCL Method	KM Chebyshev UCL	Student's t UCL	Student's t UCL	Student's t UCL	Student's t UCL	Student's t UCL
95% UCB	0.696	0.306	0.269	0.621	0.662	0.867
UCB Method	Ordinary Least Squares	Ordinary Least Squares	Ordinary Least Squares	Ordinary Least Squares	Ordinary Least Squares	Ordinary Least Squares

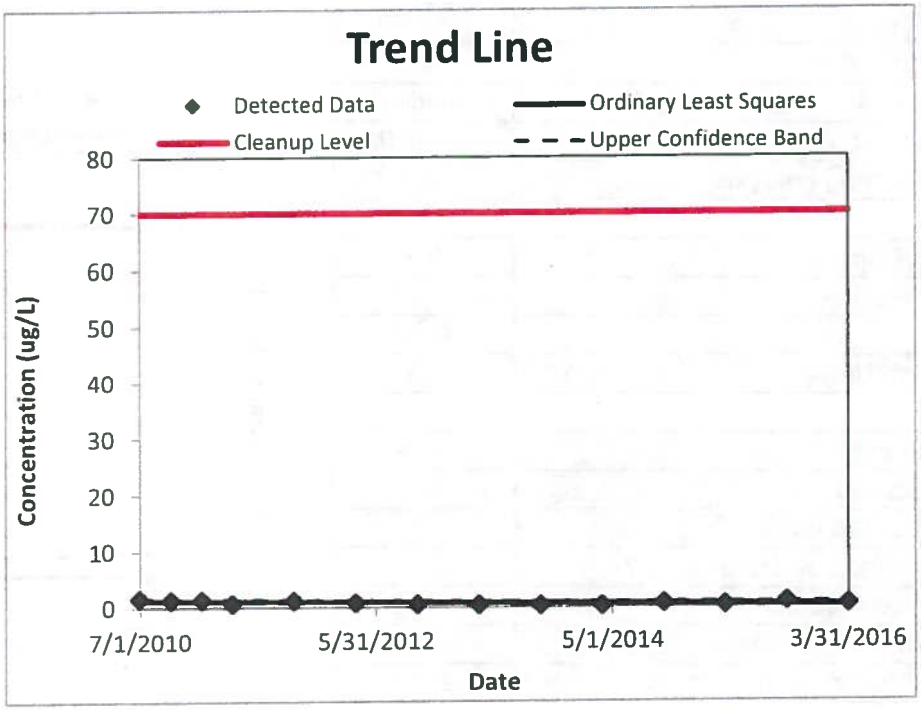
Groundwater Statistics Tool

UCL calculations and summary statistics for data sets that are normally distributed

Site Name	Harcros
Operating Unit (OU)	EW1
Type of Evaluation	Remediation
Date of Evaluation	8/1/2016
Person performing analysis	JLK

Chemical of Concern	cis12DCE
Well Name/Number	MW02D
Date Units	Date
Concentration Units	ug/L

Confidence Level	95%
Number of results	14
Number < cleanup level	14
Are any potential outliers present?	No
Mean of concentration	0.785
Standard deviation of concentration	0.445
t-value for UCL calculation	1.771



95% Upper Confidence Limit (UCL)	0.996
Method for calculating UCL	Student's t UCL
Value of 95% Upper Confidence Band value at final sampling event	0.734
Trend calculation method	Ordinary Least Squares
Cleanup level	70
Source of cleanup level	MCL
Is the trend decreasing or statistically insignificant?	Yes

When is the concentration predicted to exceed the MCL?	Not applicable - slope is not statistically increasing
Message: None.	

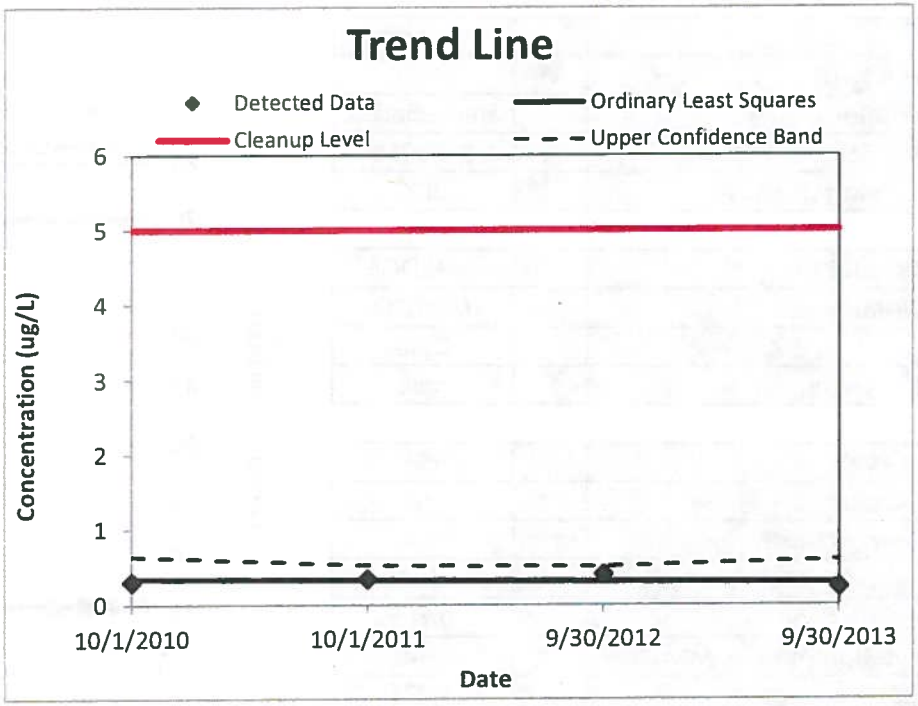
Groundwater Statistics Tool

UCL calculations and summary statistics for data sets that are normally distributed

Site Name	Harcros
Operating Unit (OU)	EW1
Type of Evaluation	Remediation
Date of Evaluation	8/1/2016
Person performing analysis	JLK

Chemical of Concern	PCE
Well Name/Number	MW7
Date Units	Date
Concentration Units	ug/L

Confidence Level	95%
Number of results	4
Number < cleanup level	4
Are any potential outliers present?	No
Mean of concentration	0.318
Standard deviation of concentration	0.0714
t-value for UCL calculation	2.353



95% Upper Confidence Limit (UCL)	0.402
Method for calculating UCL	Student's t UCL
Value of 95% Upper Confidence Band value at final sampling event	0.594
Trend calculation method	Ordinary Least Squares
Cleanup level	5
Source of cleanup level	MCL
Is the trend decreasing or statistically insignificant?	Yes

When is the concentration predicted to exceed the MCL?	Not applicable - slope is not statistically increasing
Message: None.	

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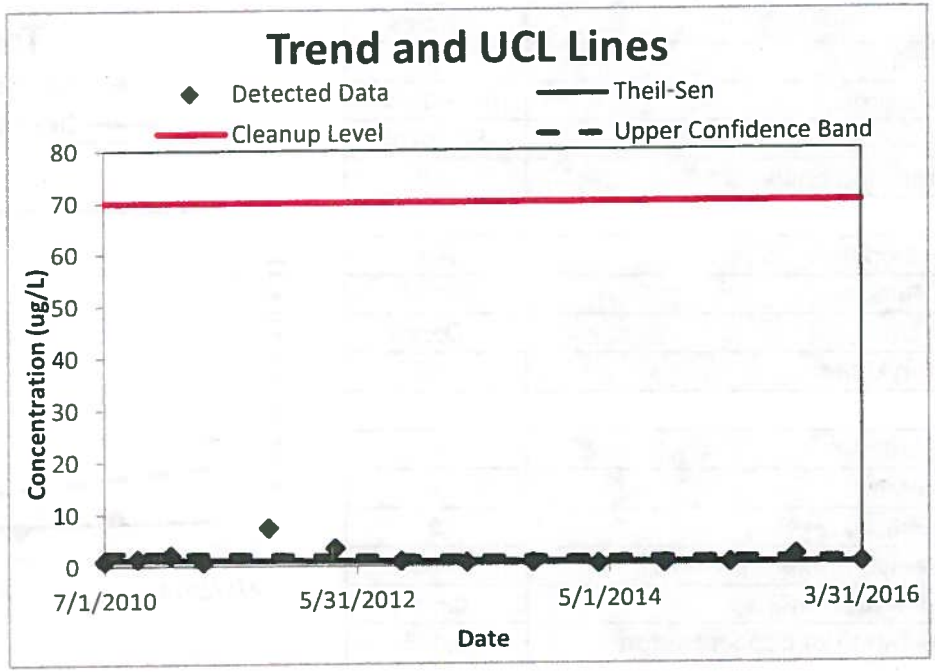
Groundwater Statistics Tool

UCL calculations and summary statistics for nonparametric data sets

Site Name	Harcros
Operating Unit (OU)	0
Type of Evaluation	Remediation
Date of Evaluation	8/1/2016
Person performing analysis	JLK

Chemical of Concern	cis12DCE
Well Name/Number	MW10
Date Units	Date
Concentration Units	ug/L

Confidence Level	95%
Number of results	14
Number < cleanup level	14
Are any potential outliers present?	Yes
Mean of concentration	1.47
Standard deviation of concentration	1.88



95% Upper Confidence Limit (UCL)	3.66
Method for calculating UCL	Chebyshev UCL
Value of 95% Upper Confidence Band value at final sampling event	1.23
Trend calculation method	Theil-Sen/Mann-Kendall
Cleanup level	70
Source of cleanup level	MCL
Is the trend decreasing or statistically insignificant?	Yes

When is the concentration predicted to exceed the MCL?	Not applicable - slope is not statistically increasing
Random Seed Used	53579.87891
Message: None.	

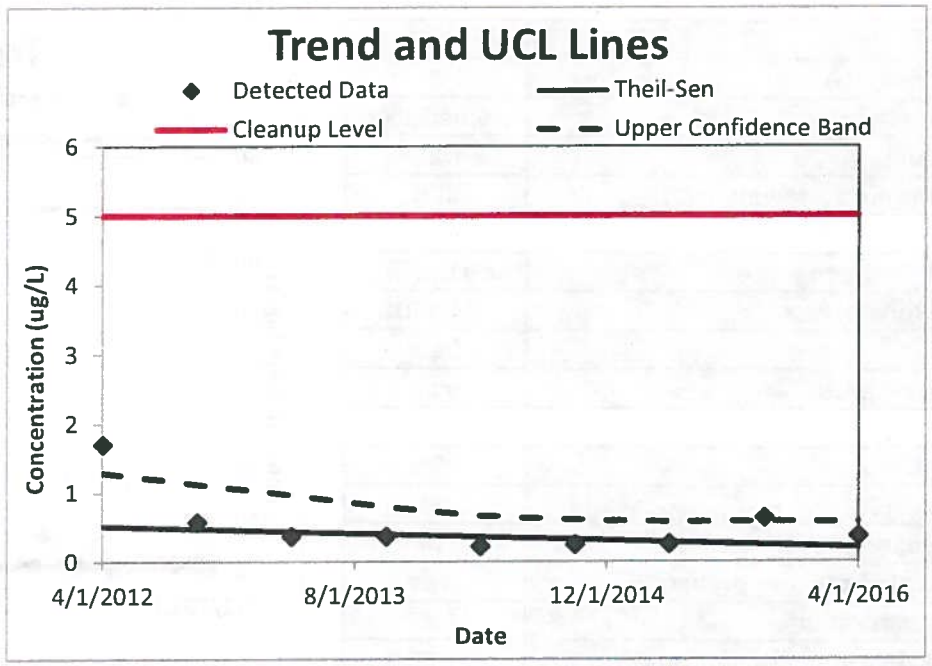
Groundwater Statistics Tool

UCL calculations and summary statistics for nonparametric data sets

Site Name	Harcros
Operating Unit (OU)	0
Type of Evaluation	Remediation
Date of Evaluation	8/1/2016
Person performing analysis	JLK

Chemical of Concern	TCE
Well Name/Number	MW10
Date Units	Date
Concentration Units	ug/L

Confidence Level	95%
Number of results	9
Number < cleanup level	9
Are any potential outliers present?	Yes
Mean of concentration	0.521
Standard deviation of concentration	0.464



95% Upper Confidence Limit (UCL)	1.2
Method for calculating UCL	Chebyshev UCL
Value of 95% Upper Confidence Band value at final sampling event	0.57
Trend calculation method	Theil-Sen/Mann-Kendall
Cleanup level	5
Source of cleanup level	MCL
Is the trend decreasing or statistically insignificant?	Yes

When is the concentration predicted to exceed the MCL?	Not applicable - slope is not statistically increasing
Random Seed Used	53988.67188
Message: None.	

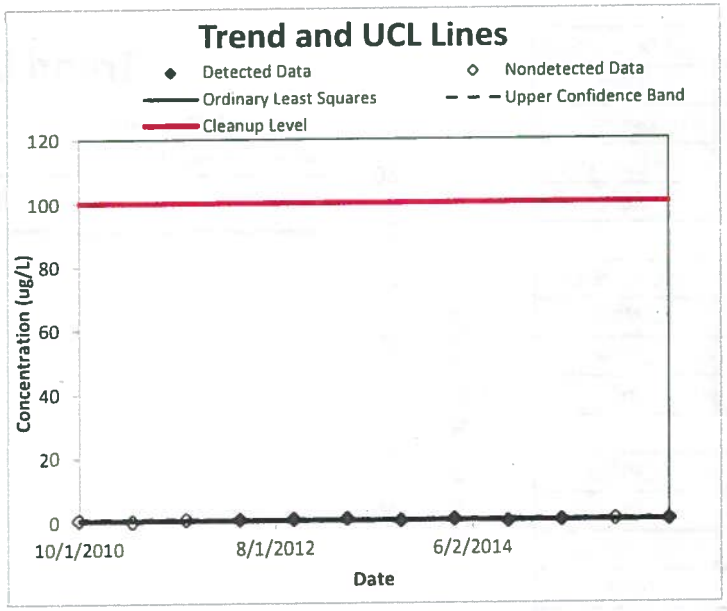
Groundwater Statistics Tool

UCL calculations and summary statistics for data sets with nondetects

Site Name	Harcros
Operating Unit (OU)	EW1
Type of Evaluation	Remediation
Date of Evaluation	8/1/2016
Person performing analysis	JLK

Chemical of Concern	chlorobenz
Well Name/Number	MW11B
Date Units	Date
Concentration Units	ug/L

Confidence Level	95%
Number of results	12
Number of detected results	8
Number of non-detected results	4
Detection frequency	67%
Number at or below cleanup level	12
Are any potential outliers present?	No
Mean of concentration	0.667
Standard deviation of concentration	0.255



95% Upper Confidence Limit (UCL)	1.03
Method for calculating UCL	KM Chebyshev UCL
Value of 95% Upper Confidence Band value at final sampling event	0.978
Trend calculation method	Ordinary Least Squares
Cleanup level	100
Source of cleanup level	MCL
Is the trend decreasing or statistically insignificant?	Yes

When is the concentration predicted to exceed the MCL?	Not applicable - slope is not statistically increasing
Message: None.	

Data, including imputed values

Date (Date)	chlorobenz Concentration (ug/L)	Data Qualifier	Imputed value*
40452	1	U	0.73
40634	1	U	0.2
40817	1	U	0.85
41000	0.8	J	0.8
41183	0.94	J	0.94
41365	1		1
41548	0.42	J	0.42
41730	0.86	J	0.86
41913	0.22	J	0.22
42095	0.52	J	0.52
42278	1	U	0.74
42461	0.62	J	0.62

* Note that the imputed value column also includes the actual value for detected samples. This is for convenience in copying and pasting the data.

Random Seed Used	29357.23047

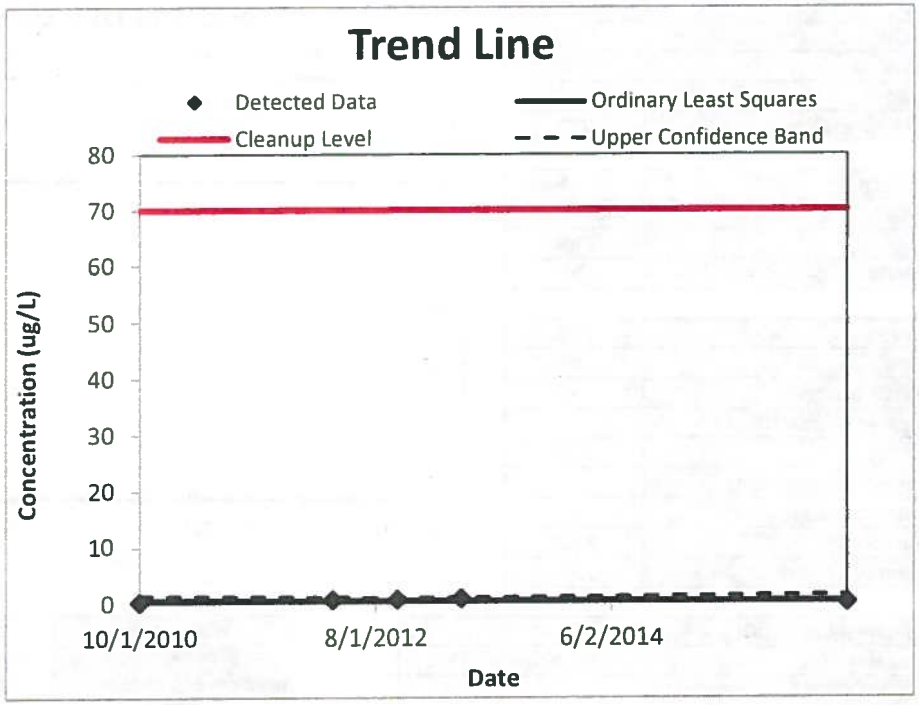
Groundwater Statistics Tool

UCL calculations and summary statistics for data sets that are normally distributed

Site Name	Harcros
Operating Unit (OU)	EW1
Type of Evaluation	Remediation
Date of Evaluation	8/1/2016
Person performing analysis	JLK

Chemical of Concern	cis12DCE
Well Name/Number	MW11B
Date Units	Date
Concentration Units	ug/L

Confidence Level	95%
Number of results	5
Number < cleanup level	5
Are any potential outliers present?	No
Mean of concentration	0.584
Standard deviation of concentration	0.298
t-value for UCL calculation	2.132



95% Upper Confidence Limit (UCL)	0.868
Method for calculating UCL	Student's t UCL
Value of 95% Upper Confidence Band value at final sampling event	1.52
Trend calculation method	Ordinary Least Squares
Cleanup level	70
Source of cleanup level	MCL
Is the trend decreasing or statistically insignificant?	Yes

When is the concentration predicted to exceed the MCL?	Not applicable - slope is not statistically increasing
Message: None.	

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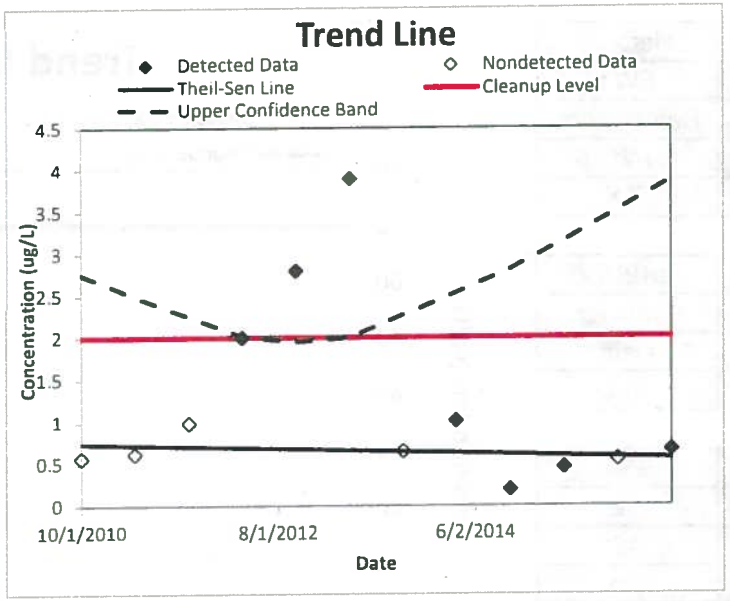
Groundwater Statistics Tool

UCL calculations and summary statistics for data sets with nondetects

Site Name	Harcros
Operating Unit (OU)	EW1
Type of Evaluation	Remediation
Date of Evaluation	8/1/2016
Person performing analysis	JLK

Chemical of Concern	VC
Well Name/Number	MW11B
Date Units	Date
Concentration Units	ug/L

Confidence Level	95%
Number of results	12
Number of detected results	7
Number of non-detected results	5
Detection frequency	58%
Number at or below cleanup level	10
Are any potential outliers present?	No
Mean of concentration	1.14
Standard deviation of concentration	1.12



95% Upper Confidence Limit (UCL)	2.69
Method for calculating UCL	KM Chebyshev UCL
Value of 95% Upper Confidence Band value at final sampling event	3.86
Trend calculation method	Theil-Sen/Mann-Kendall
Cleanup level	2
Source of cleanup level	MCL
Is the trend decreasing or statistically insignificant?	Yes

When is the concentration predicted to exceed the MCL?	Not applicable - slope is not statistically increasing
Message: None.	

Data, including imputed values

Date (Date)	VC Concentration (ug/L)	Data Qualifier	Imputed value*
40452	1	U	0.57
40634	1	U	0.62
40817	1	U	0.98
41000	2		2
41183	2.8		2.8
41365	3.9		3.9
41548	1	U	0.65
41730	1		1
41913	0.2	J	0.2
42095	0.46	J	0.46
42278	1	U	0.55
42461	0.66	J	0.66

* Note that the imputed value column also includes the actual value for detected samples. This is for convenience in copying and pasting the data.

Random Seed Used	29738.60156

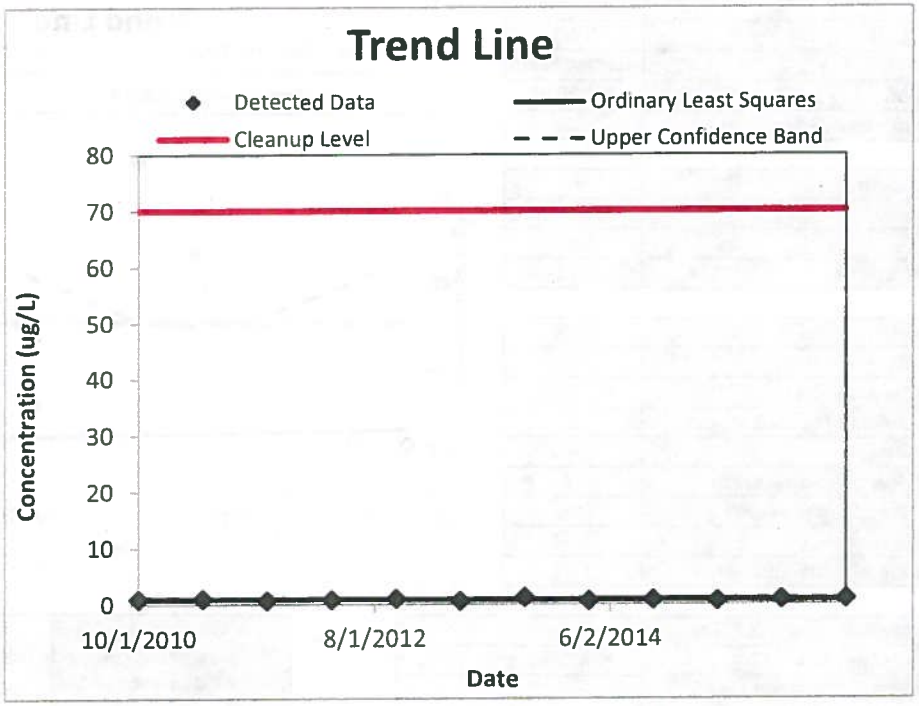
Groundwater Statistics Tool

UCL calculations and summary statistics for data sets that are normally distributed

Site Name	Harcros
Operating Unit (OU)	EW1
Type of Evaluation	Remediation
Date of Evaluation	8/1/2016
Person performing analysis	JLK

Chemical of Concern	cis12DCE
Well Name/Number	MW11D
Date Units	Date
Concentration Units	ug/L

Confidence Level	95%
Number of results	12
Number < cleanup level	12
Are any potential outliers present?	No
Mean of concentration	0.822
Standard deviation of concentration	0.195
t-value for UCL calculation	1.796



95% Upper Confidence Limit (UCL)	0.923
Method for calculating UCL	Student's t UCL
Value of 95% Upper Confidence Band value at final sampling event	1.02
Trend calculation method	Ordinary Least Squares
Cleanup level	70
Source of cleanup level	MCL
Is the trend decreasing or statistically insignificant?	Yes

When is the concentration predicted to exceed the MCL?	Not applicable - slope is not statistically increasing
Message: None.	

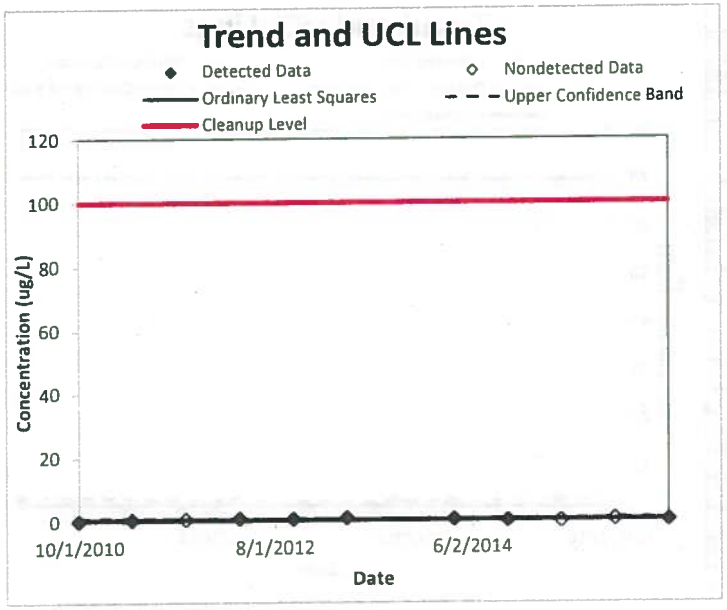
Groundwater Statistics Tool

UCL calculations and summary statistics for data sets with nondetects

Site Name	Harcros
Operating Unit (OU)	EW1
Type of Evaluation	Remediation
Date of Evaluation	8/1/2016
Person performing analysis	JLK

Chemical of Concern	chlorobenz
Well Name/Number	MW12
Date Units	Date
Concentration Units	ug/L

Confidence Level	95%
Number of results	11
Number of detected results	8
Number of non-detected results	3
Detection frequency	73%
Number at or below cleanup level	11
Are any potential outliers present?	No
Mean of concentration	0.549
Standard deviation of concentration	0.299



95% Upper Confidence Limit (UCL)	1.01
Method for calculating UCL	KM Chebyshev UCL
Value of 95% Upper Confidence Band value at final sampling event	0.759
Trend calculation method	Ordinary Least Squares
Cleanup level	100
Source of cleanup level	MCL
Is the trend decreasing or statistically insignificant?	Yes

When is the concentration predicted to exceed the MCL?	Not applicable - slope is not statistically increasing
Message: None.	

Data, including imputed values

Date (Date)	chlorobenz Concentration (ug/L)	Data Qualifier	Imputed value*
40452	0.2	J	0.2
40634	0.62	J	0.62
40817	1	U	0.76
41000	0.93	J	0.93
41183	0.69	J	0.69
41365	1		1
41730	0.64	J	0.64
41913	0.23	J	0.23
42095	1	U	0.06
42278	1	U	0.55
42461	0.18	J	0.18

* Note that the imputed value column also includes the actual value for detected samples. This is for convenience in copying and pasting the data.

Random Seed Used	30476.39648

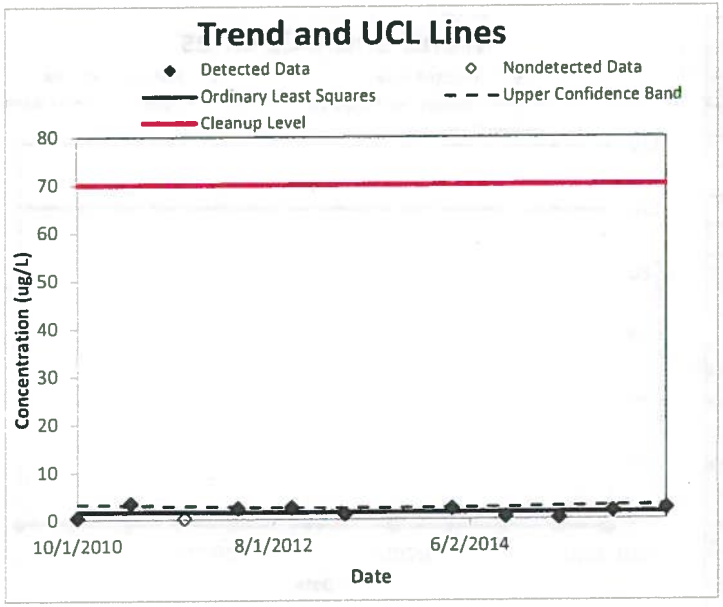
Groundwater Statistics Tool

UCL calculations and summary statistics for data sets with nondetects

Site Name	Harcros
Operating Unit (OU)	EW1
Type of Evaluation	Remediation
Date of Evaluation	8/1/2016
Person performing analysis	JLK

Chemical of Concern	cis12DCE
Well Name/Number	MW12
Date Units	Date
Concentration Units	ug/L

Confidence Level	95%
Number of results	11
Number of detected results	10
Number of non-detected results	1
Detection frequency	91%
Number at or below cleanup level	11
Are any potential outliers present?	No
Mean of concentration	1.5
Standard deviation of concentration	1.01



95% Upper Confidence Limit (UCL)	2.92
Method for calculating UCL	KM Chebyshev UCL
Value of 95% Upper Confidence Band value at final sampling event	3
Trend calculation method	Ordinary Least Squares
Cleanup level	70
Source of cleanup level	MCL
Is the trend decreasing or statistically insignificant?	Yes

When is the concentration predicted to exceed the MCL?	Not applicable - slope is not statistically increasing
Message: None.	

Data, including imputed values

Date (Date)	cis12DCE Concentration (ug/L)	Data Qualifier	Imputed value*
40452	0.27	J	0.27
40634	3.3		3.3
40817	1	U	0.16
41000	2.3		2.3
41183	2.4		2.4
41365	1		1
41730	2.2		2.2
41913	0.49	J	0.49
42095	0.2	J	0.2
42278	1.7		1.7
42461	2.2		2.2

* Note that the imputed value column also includes the actual value for detected samples. This is for convenience in copying and pasting the data.

Random Seed Used	30376.11719

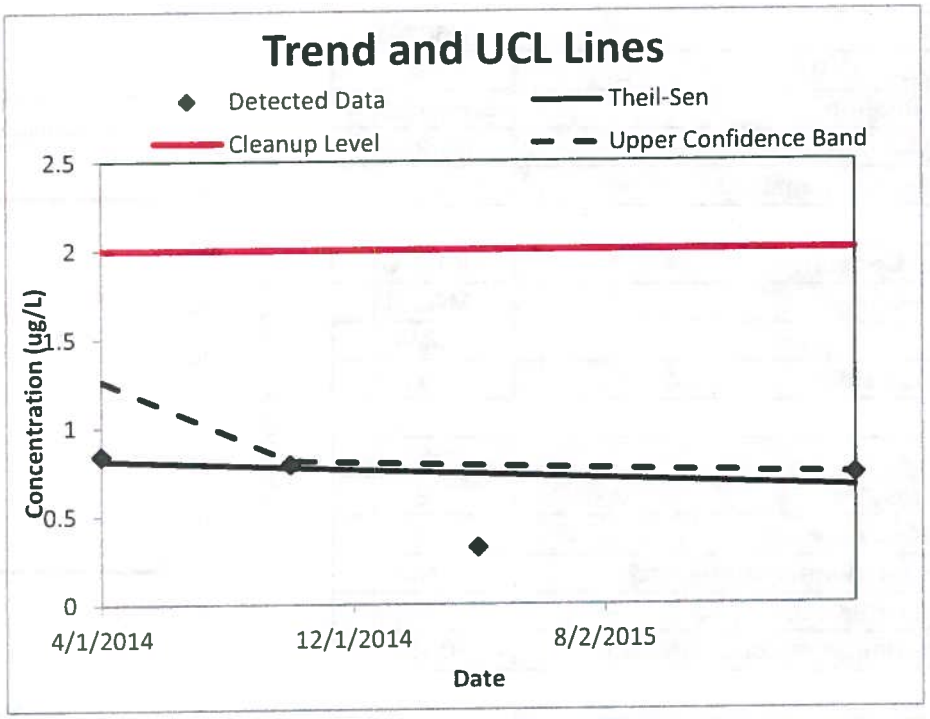
Groundwater Statistics Tool

UCL calculations and summary statistics for data sets that are normally distributed

Site Name	Harcros
Operating Unit (OU)	EW1
Type of Evaluation	Remediation
Date of Evaluation	8/1/2016
Person performing analysis	JLK

Chemical of Concern	VC
Well Name/Number	MW12
Date Units	Date
Concentration Units	ug/L

Confidence Level	95%
Number of results	4
Number < cleanup level	4
Are any potential outliers present?	No
Mean of concentration	0.67
Standard deviation of concentration	0.238
t-value for UCL calculation	2.353



95% Upper Confidence Limit (UCL)	0.95
Method for calculating UCL	Student's t UCL
Value of 95% Upper Confidence Band value at final sampling event	0.73
Trend calculation method	Theil-Sen/Mann-Kendall
Cleanup level	2
Source of cleanup level	MCL
Is the trend decreasing or statistically insignificant?	Yes

When is the concentration predicted to exceed the MCL?	Not applicable - slope is not statistically increasing
Message: None.	

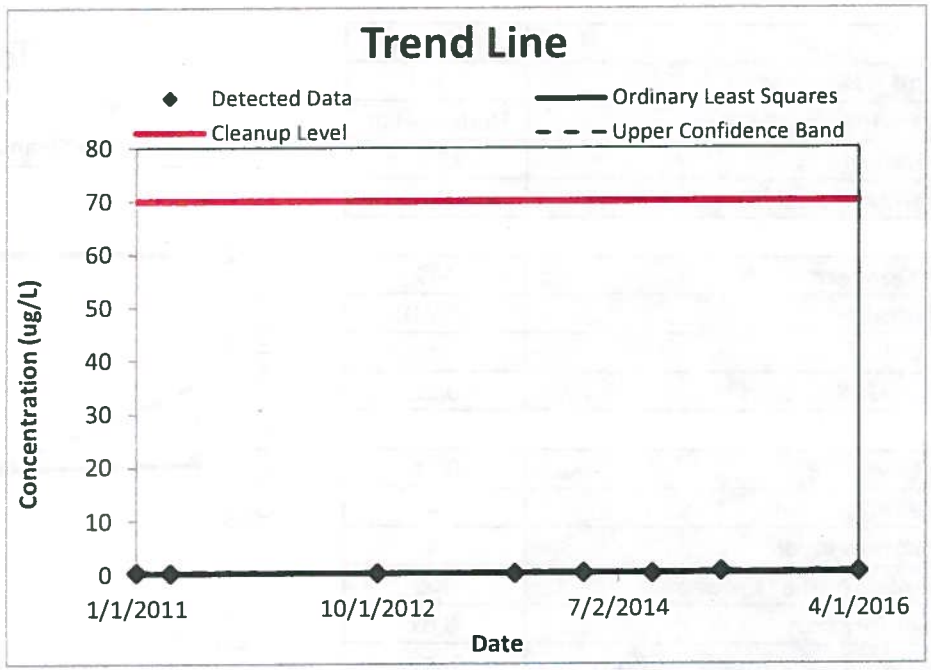
Groundwater Statistics Tool

UCL calculations and summary statistics for nonparametric data sets

Site Name	Harcros
Operating Unit (OU)	EW1
Type of Evaluation	Remediation
Date of Evaluation	8/1/2016
Person performing analysis	JLK

Chemical of Concern	cis12DCE
Well Name/Number	MW17D
Date Units	Date
Concentration Units	ug/L

Confidence Level	95%
Number of results	8
Number < cleanup level	8
Are any potential outliers present?	No
Mean of concentration	0.325
Standard deviation of concentration	0.157



95% Upper Confidence Limit (UCL)	0.57
Method for calculating UCL	Chebyshev UCL
Value of 95% Upper Confidence Band value at final sampling event	0.678
Trend calculation method	Ordinary Least Squares
Cleanup level	70
Source of cleanup level	MCL
Is the trend decreasing or statistically insignificant?	Yes

When is the concentration predicted to exceed the MCL?	Not applicable - slope is not statistically increasing
Random Seed Used	18771.66406
Message: None.	

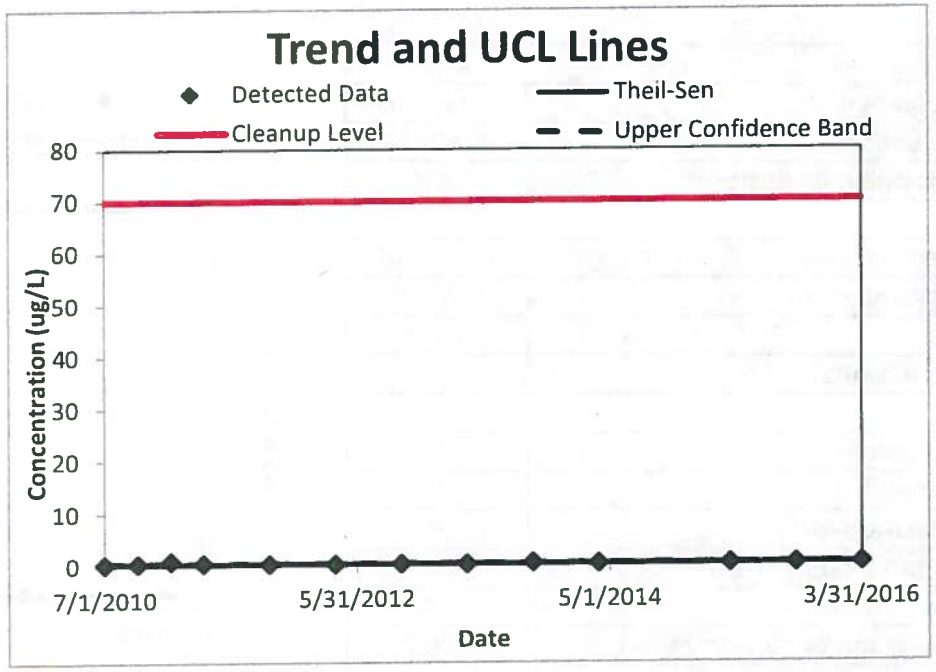
Groundwater Statistics Tool

UCL calculations and summary statistics for nonparametric data sets

Site Name	Harcros
Operating Unit (OU)	EW1
Type of Evaluation	Remediation
Date of Evaluation	8/1/2016
Person performing analysis	JLK

Chemical of Concern	cis12DCE
Well Name/Number	MW17D
Date Units	Date
Concentration Units	ug/L

Confidence Level	95%
Number of results	13
Number < cleanup level	13
Are any potential outliers present?	Yes
Mean of concentration	0.309
Standard deviation of concentration	0.171



95% Upper Confidence Limit (UCL)	0.52
Method for calculating UCL	Chebyshev UCL
Value of 95% Upper Confidence Band value at final sampling event	0.349
Trend calculation method	Theil-Sen/Mann-Kendall
Cleanup level	70
Source of cleanup level	MCL
Is the trend decreasing or statistically insignificant?	Yes

When is the concentration predicted to exceed the MCL?	Not applicable - slope is not statistically increasing
Random Seed Used	18771.66406
Message: None.	

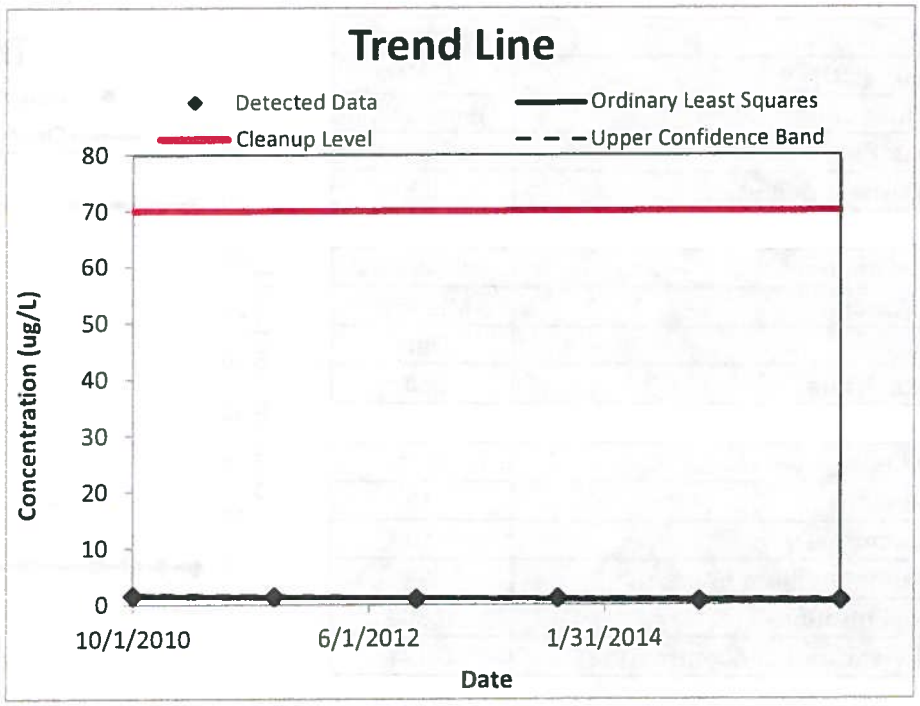
Groundwater Statistics Tool

UCL calculations and summary statistics for data sets that are normally distributed

Site Name	Harcros
Operating Unit (OU)	EW1
Type of Evaluation	Remediation
Date of Evaluation	8/1/2016
Person performing analysis	JLK

Chemical of Concern	cis12DCE
Well Name/Number	MW22D
Date Units	Date
Concentration Units	ug/L

Confidence Level	95%
Number of results	6
Number < cleanup level	6
Are any potential outliers present?	No
Mean of concentration	1.02
Standard deviation of concentration	0.357
t-value for UCL calculation	2.015



95% Upper Confidence Limit (UCL)	1.31
Method for calculating UCL	Student's t UCL
Value of 95% Upper Confidence Band value at final sampling event	0.854
Trend calculation method	Ordinary Least Squares
Cleanup level	70
Source of cleanup level	MCL
Is the trend decreasing or statistically insignificant?	Yes

When is the concentration predicted to exceed the MCL?	Not applicable - slope is not statistically increasing
Message: None.	

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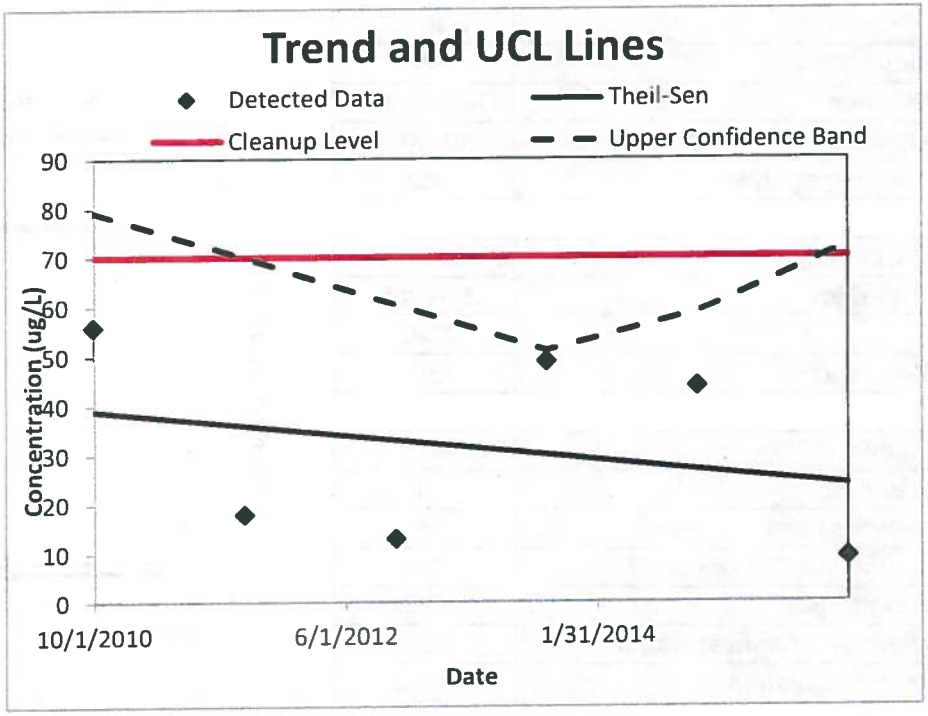
Groundwater Statistics Tool

UCL calculations and summary statistics for data sets that are normally distributed

Site Name	Harcros
Operating Unit (OU)	EW1
Type of Evaluation	Remediation
Date of Evaluation	8/1/2016
Person performing analysis	JLK

Chemical of Concern	cis12DCE
Well Name/Number	MW27S
Date Units	Date
Concentration Units	ug/L

Confidence Level	95%
Number of results	6
Number < cleanup level	6
Are any potential outliers present?	No
Mean of concentration	31.5
Standard deviation of concentration	20.4
t-value for UCL calculation	2.015



95% Upper Confidence Limit (UCL)	48.3
Method for calculating UCL	Student's t UCL
Value of 95% Upper Confidence Band value at final sampling event	72.2
Trend calculation method	Theil-Sen/Mann-Kendall
Cleanup level	70
Source of cleanup level	MCL
Is the trend decreasing or statistically insignificant?	Yes

When is the concentration predicted to exceed the MCL?	Not applicable - slope is not statistically increasing
Message: None.	

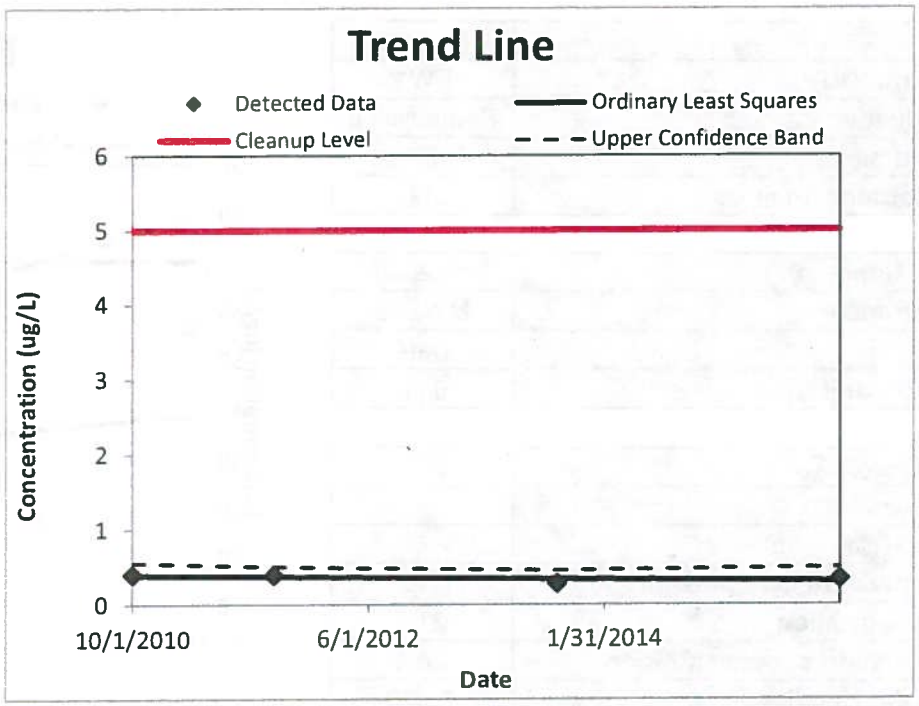
Groundwater Statistics Tool

UCL calculations and summary statistics for data sets that are normally distributed

Site Name	Harcros
Operating Unit (OU)	EW1
Type of Evaluation	Remediation
Date of Evaluation	8/1/2016
Person performing analysis	JLK

Chemical of Concern	benzene
Well Name/Number	MW30S
Date Units	Date
Concentration Units	ug/L

Confidence Level	95%
Number of results	4
Number < cleanup level	4
Are any potential outliers present?	No
Mean of concentration	0.353
Standard deviation of concentration	0.055
t-value for UCL calculation	2.353



95% Upper Confidence Limit (UCL)	0.418
Method for calculating UCL	Student's t UCL
Value of 95% Upper Confidence Band value at final sampling event	0.494
Trend calculation method	Ordinary Least Squares
Cleanup level	5
Source of cleanup level	MCL
Is the trend decreasing or statistically insignificant?	Yes

When is the concentration predicted to exceed the MCL?	Not applicable - slope is not statistically increasing
Message: None.	

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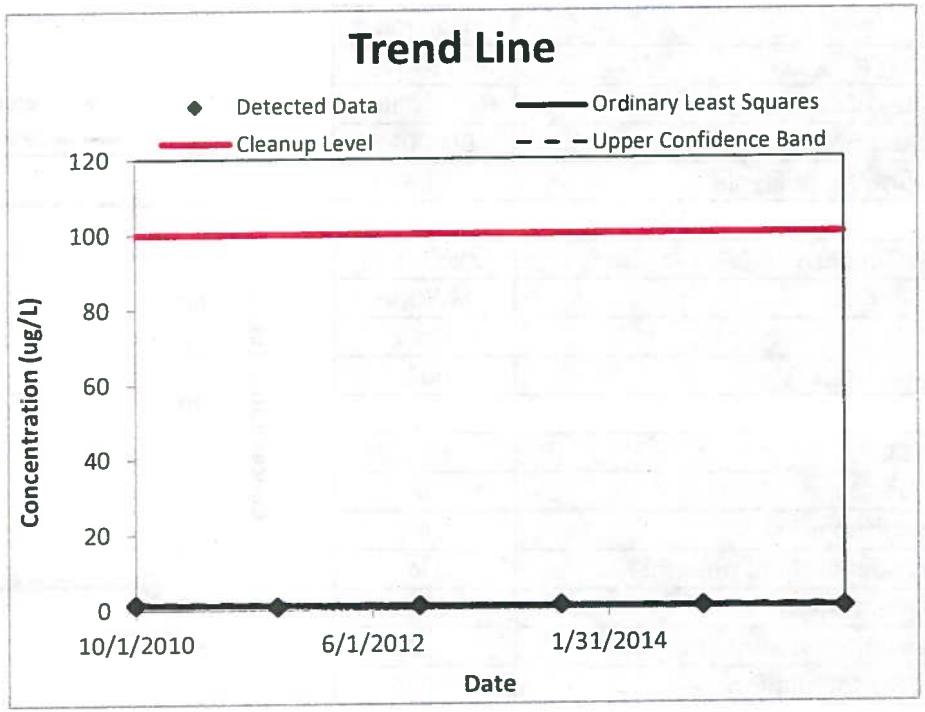
Groundwater Statistics Tool

UCL calculations and summary statistics for data sets that are normally distributed

Site Name	Harcros
Operating Unit (OU)	EW1
Type of Evaluation	Remediation
Date of Evaluation	8/1/2016
Person performing analysis	JLK

Chemical of Concern	chlorobenzene
Well Name/Number	MW30S
Date Units	Date
Concentration Units	ug/L

Confidence Level	95%
Number of results	6
Number < cleanup level	6
Are any potential outliers present?	No
Mean of concentration	0.863
Standard deviation of concentration	0.355
t-value for UCL calculation	2.015



95% Upper Confidence Limit (UCL)	1.16
Method for calculating UCL	Student's t UCL
Value of 95% Upper Confidence Band value at final sampling event	0.945
Trend calculation method	Ordinary Least Squares
Cleanup level	100
Source of cleanup level	MCL
Is the trend decreasing or statistically insignificant?	Yes

When is the concentration predicted to exceed the MCL?	Not applicable - slope is not statistically increasing
Message: None.	

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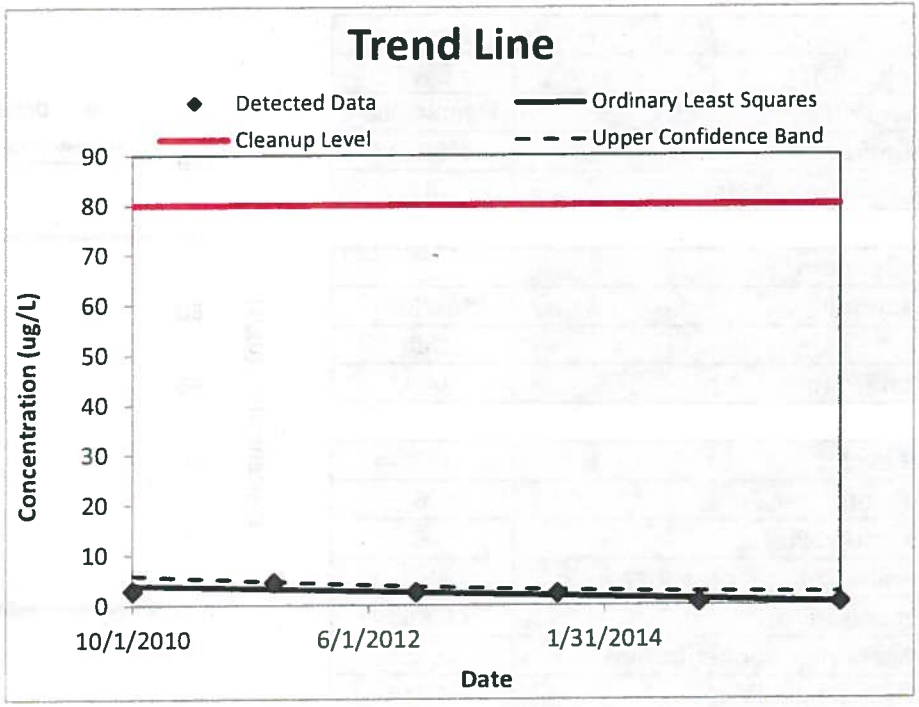
Groundwater Statistics Tool

UCL calculations and summary statistics for data sets that are normally distributed

Site Name	Harcros
Operating Unit (OU)	EW1
Type of Evaluation	Remediation
Date of Evaluation	8/1/2016
Person performing analysis	JLK

Chemical of Concern	chloroform
Well Name/Number	MW30S
Date Units	Date
Concentration Units	ug/L

Confidence Level	95%
Number of results	6
Number < cleanup level	6
Are any potential outliers present?	No
Mean of concentration	2.18
Standard deviation of concentration	1.52
t-value for UCL calculation	2.015



95% Upper Confidence Limit (UCL)	3.43
Method for calculating UCL	Student's t UCL
Value of 95% Upper Confidence Band value at final sampling event	2.46
Trend calculation method	Ordinary Least Squares
Cleanup level	80
Source of cleanup level	MCL
Is the trend decreasing or statistically insignificant?	Yes

When is the concentration predicted to exceed the MCL?	Not applicable - slope is not statistically increasing
Message: None.	

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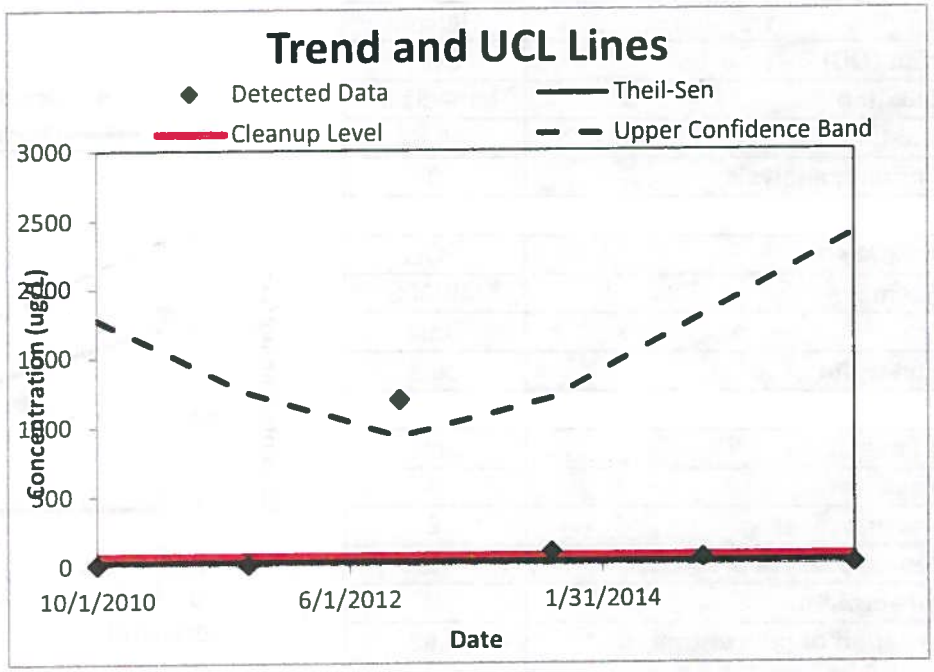
Groundwater Statistics Tool

UCL calculations and summary statistics for nonparametric data sets

Site Name	Harcros
Operating Unit (OU)	EW1
Type of Evaluation	Remediation
Date of Evaluation	8/1/2016
Person performing analysis	JLK

Chemical of Concern	cis12DCE
Well Name/Number	MW30S
Date Units	Date
Concentration Units	ug/L

Confidence Level	95%
Number of results	6
Number < cleanup level	4
Are any potential outliers present?	Yes
Mean of concentration	227
Standard deviation of concentration	478



95% Upper Confidence Limit (UCL)	1078
Method for calculating UCL	Chebyshev UCL
Value of 95% Upper Confidence Band value at final sampling event	2390
Trend calculation method	Theil-Sen/Mann-Kendall
Cleanup level	70
Source of cleanup level	MCL
Is the trend decreasing or statistically insignificant?	Yes

When is the concentration predicted to exceed the MCL?	Not applicable - slope is not statistically increasing
Random Seed Used	14384.65332
Message: None.	

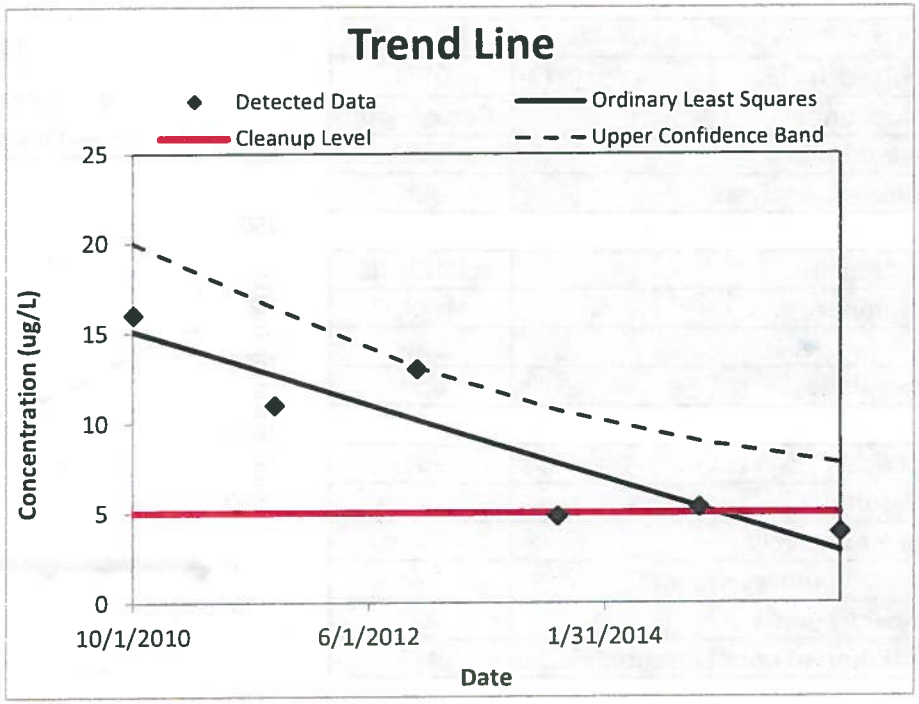
Groundwater Statistics Tool

UCL calculations and summary statistics for data sets that are normally distributed

Site Name	Harcros
Operating Unit (OU)	EW1
Type of Evaluation	Remediation
Date of Evaluation	JLK
Person performing analysis	0

Chemical of Concern	PCE
Well Name/Number	MW30S
Date Units	Date
Concentration Units	ug/L

Confidence Level	95%
Number of results	6
Number < cleanup level	2
Are any potential outliers present?	No
Mean of concentration	9
Standard deviation of concentration	5.03
t-value for UCL calculation	2.015



95% Upper Confidence Limit (UCL)	13.1
Method for calculating UCL	Student's t UCL
Value of 95% Upper Confidence Band value at final sampling event	7.77
Trend calculation method	Ordinary Least Squares
Cleanup level	5
Source of cleanup level	MCL
Is the trend decreasing or statistically insignificant?	Yes

When is the concentration predicted to exceed the MCL?	Not applicable - slope is not statistically increasing
Message: None.	

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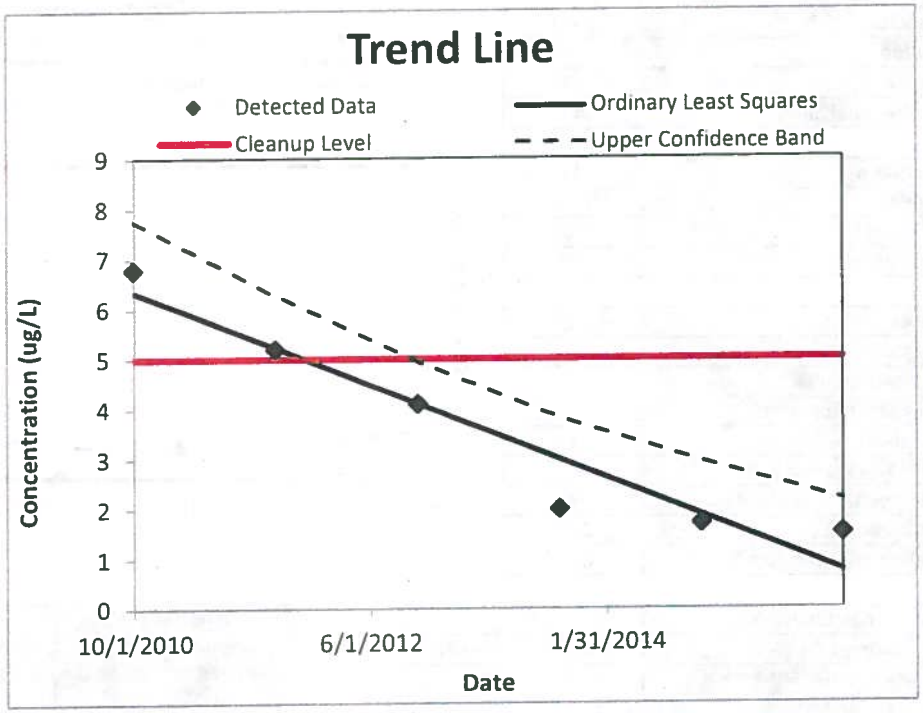
Groundwater Statistics Tool

UCL calculations and summary statistics for data sets that are normally distributed

Site Name	Harcros
Operating Unit (OU)	EW1
Type of Evaluation	Remediation
Date of Evaluation	8/1/2016
Person performing analysis	JLK

Chemical of Concern	TCE
Well Name/Number	MW30S
Date Units	Date
Concentration Units	ug/L

Confidence Level	95%
Number of results	6
Number < cleanup level	4
Are any potential outliers present?	No
Mean of concentration	3.55
Standard deviation of concentration	2.17
t-value for UCL calculation	2.015



95% Upper Confidence Limit (UCL)	5.34
Method for calculating UCL	Student's t UCL
Value of 95% Upper Confidence Band value at final sampling event	2.17
Trend calculation method	Ordinary Least Squares
Cleanup level	5
Source of cleanup level	MCL
Is the trend decreasing or statistically insignificant?	Yes

When is the concentration predicted to exceed the MCL?	Not applicable - slope is not statistically increasing
Message: None.	

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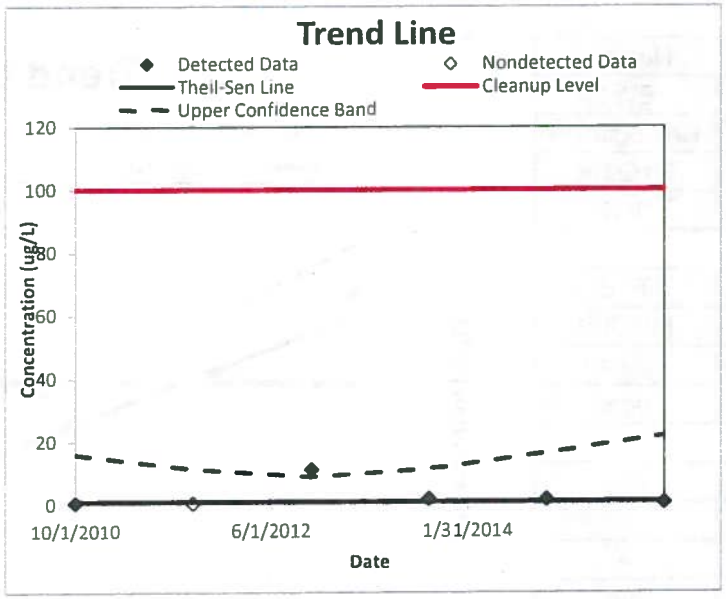
Groundwater Statistics Tool

UCL calculations and summary statistics for data sets with nondetects

Site Name	Harcros
Operating Unit (OU)	EW1
Type of Evaluation	Remediation
Date of Evaluation	8/1/2016
Person performing analysis	JLK

Chemical of Concern	trans12DCE
Well Name/Number	MW30S
Date Units	Date
Concentration Units	ug/L

Confidence Level	95%
Number of results	6
Number of detected results	5
Number of non-detected results	1
Detection frequency	83%
Number at or below cleanup level	6
Are any potential outliers present?	Yes
Mean of concentration	2.55
Standard deviation of concentration	3.82



95% Upper Confidence Limit (UCL)	10.1
Method for calculating UCL	KM Chebyshev UCL
Value of 95% Upper Confidence Band value at final sampling event	21.7
Trend calculation method	Theil-Sen/Mann-Kendall
Cleanup level	100
Source of cleanup level	MCL
Is the trend decreasing or statistically insignificant?	Yes

When is the concentration predicted to exceed the MCL?	Not applicable - slope is not statistically increasing
Message: None.	

Data, including imputed values

Date (Date)	trans12DCE Concentration (ug/L)	Data Qualifier	Imputed value*
40452	0.33	J	0.33
40817	1	U	0.22
41183	11		11
41548	1.7		1.7
41913	1.5		1.5
42278	0.42	J	0.42

* Note that the imputed value column also includes the actual value for detected samples. This is for convenience in copying and pasting the data.

Random Seed Used	14384.65332

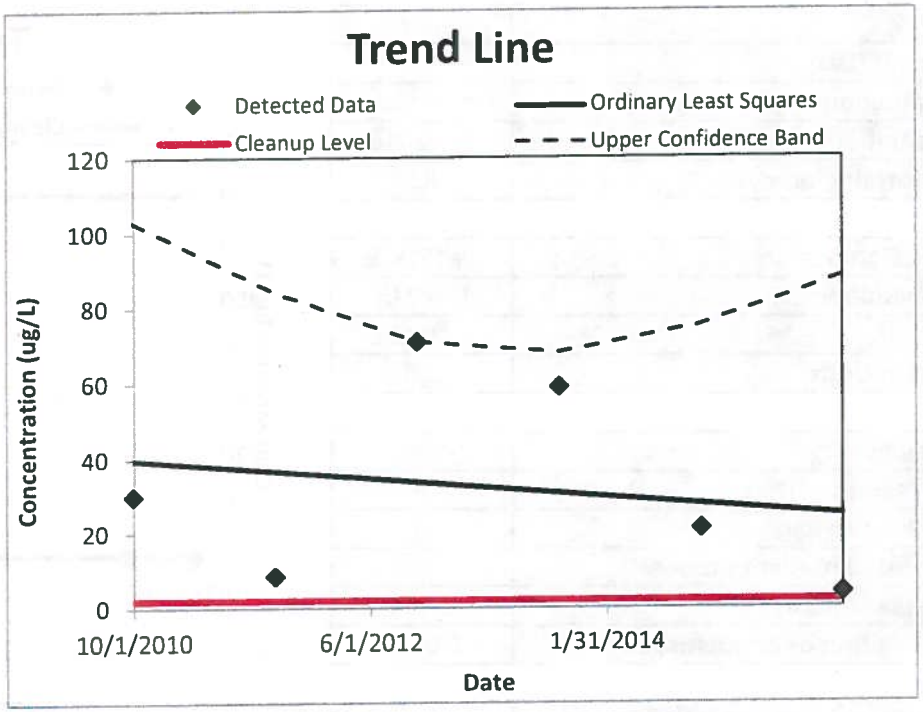
Groundwater Statistics Tool

UCL calculations and summary statistics for data sets that are normally distributed

Site Name	Harcros
Operating Unit (OU)	EW1
Type of Evaluation	Remediation
Date of Evaluation	JLK
Person performing analysis	0

Chemical of Concern	VC
Well Name/Number	MW30S
Date Units	Date
Concentration Units	ug/L

Confidence Level	95%
Number of results	6
Number < cleanup level	0
Are any potential outliers present?	No
Mean of concentration	32.2
Standard deviation of concentration	27.3
t-value for UCL calculation	2.015



95% Upper Confidence Limit (UCL)	54.7
Method for calculating UCL	Student's t UCL
Value of 95% Upper Confidence Band value at final sampling event	88.2
Trend calculation method	Ordinary Least Squares
Cleanup level	2
Source of cleanup level	MCL
Is the trend decreasing or statistically insignificant?	Yes

When is the concentration predicted to exceed the MCL?	Not applicable - slope is not statistically increasing
Message: None.	

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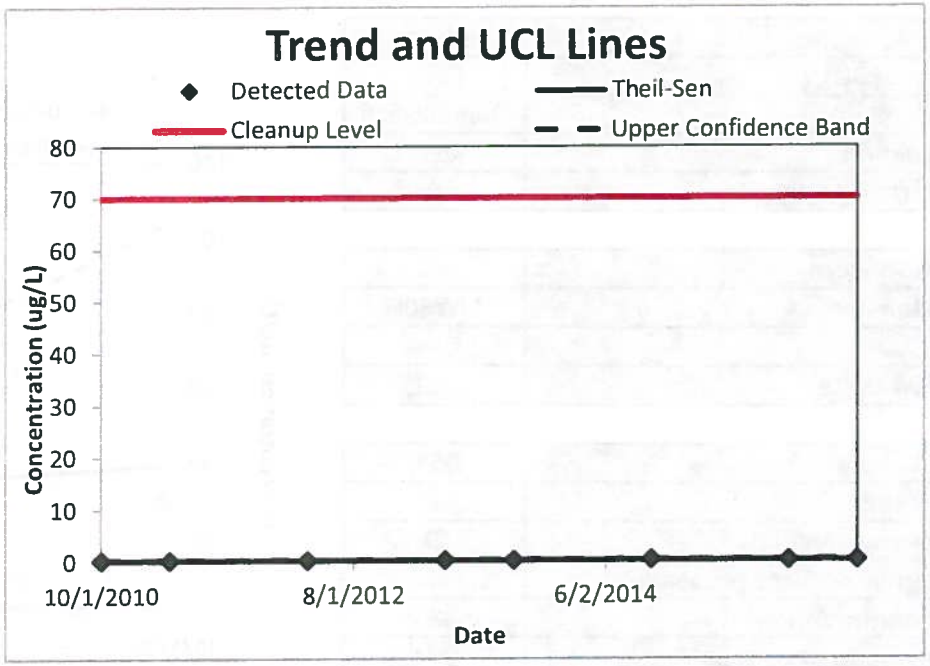
Groundwater Statistics Tool

UCL calculations and summary statistics for nonparametric data sets

Site Name	Harcros
Operating Unit (OU)	0
Type of Evaluation	Remediation
Date of Evaluation	8/1/2016
Person performing analysis	JLK

Chemical of Concern	cis12DCE
Well Name/Number	MW31S
Date Units	Date
Concentration Units	ug/L

Confidence Level	95%
Number of results	8
Number < cleanup level	8
Are any potential outliers present?	No
Mean of concentration	0.194
Standard deviation of concentration	0.0389



95% Upper Confidence Limit (UCL)	0.25
Method for calculating UCL	Chebyshev UCL
Value of 95% Upper Confidence Band value at final sampling event	0.262
Trend calculation method	Theil-Sen/Mann-Kendall
Cleanup level	70
Source of cleanup level	MCL
Is the trend decreasing or statistically insignificant?	Yes

When is the concentration predicted to exceed the MCL?	Not applicable - slope is not statistically increasing
Random Seed Used	29814.20117
Message: None.	

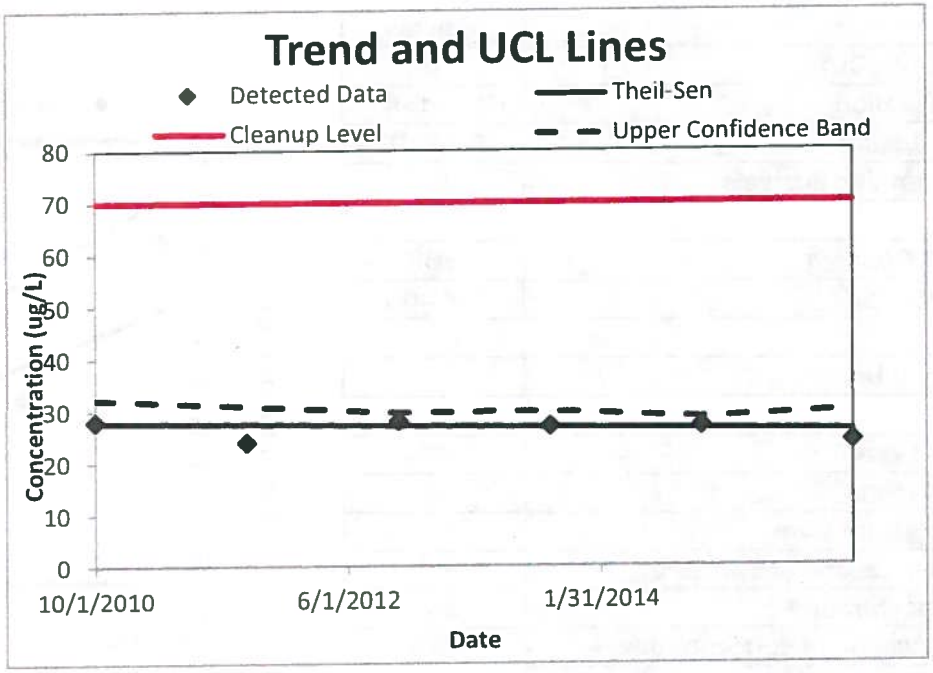
Groundwater Statistics Tool

UCL calculations and summary statistics for nonparametric data sets

Site Name	Harcros
Operating Unit (OU)	0
Type of Evaluation	Remediation
Date of Evaluation	8/1/2016
Person performing analysis	JLK

Chemical of Concern	cis12DCE
Well Name/Number	MW40D
Date Units	Date
Concentration Units	ug/L

Confidence Level	95%
Number of results	6
Number < cleanup level	6
Are any potential outliers present?	No
Mean of concentration	26.3
Standard deviation of concentration	1.86



95% Upper Confidence Limit (UCL)	29.6
Method for calculating UCL	Chebyshev UCL
Value of 95% Upper Confidence Band value at final sampling event	29.9
Trend calculation method	Theil-Sen/Mann-Kendall
Cleanup level	70
Source of cleanup level	MCL
Is the trend decreasing or statistically insignificant?	Yes

When is the concentration predicted to exceed the MCL?	Not applicable - slope is not statistically increasing
Random Seed Used	52808.55078
Message: None.	

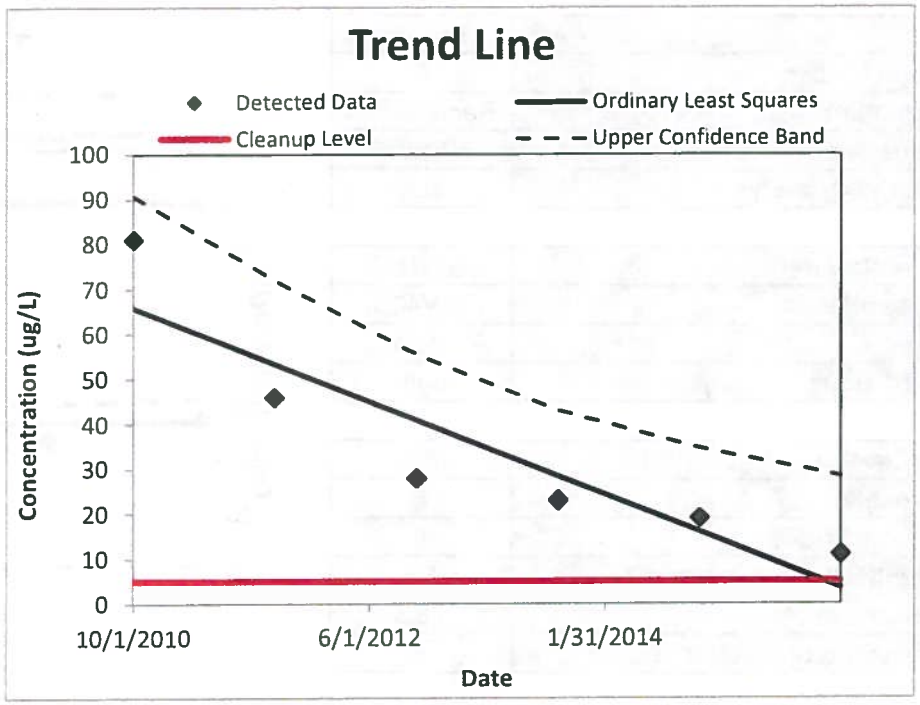
Groundwater Statistics Tool

UCL calculations and summary statistics for data sets that are normally distributed

Site Name	Harcros
Operating Unit (OU)	0
Type of Evaluation	Remediation
Date of Evaluation	8/1/2016
Person performing analysis	JLK

Chemical of Concern	PCE
Well Name/Number	MW40D
Date Units	Date
Concentration Units	ug/L

Confidence Level	95%
Number of results	6
Number < cleanup level	0
Are any potential outliers present?	No
Mean of concentration	34.7
Standard deviation of concentration	25.5
t-value for UCL calculation	2.015



95% Upper Confidence Limit (UCL)	55.7
Method for calculating UCL	Student's t UCL
Value of 95% Upper Confidence Band value at final sampling event	28.4
Trend calculation method	Ordinary Least Squares
Cleanup level	5
Source of cleanup level	MCL
Is the trend decreasing or statistically insignificant?	Yes

When is the concentration predicted to exceed the MCL?	Not applicable - slope is not statistically increasing
Message: None.	

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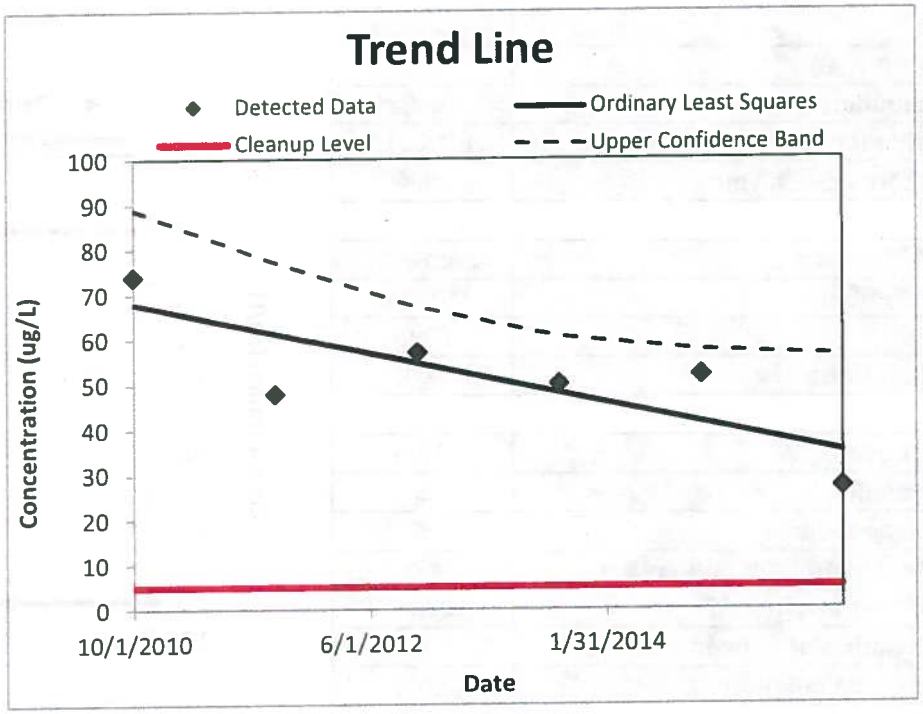
Groundwater Statistics Tool

UCL calculations and summary statistics for data sets that are normally distributed

Site Name	Harcros
Operating Unit (OU)	0
Type of Evaluation	Remediation
Date of Evaluation	8/1/2016
Person performing analysis	JLK

Chemical of Concern	TCE
Well Name/Number	MW40D
Date Units	Date
Concentration Units	ug/L

Confidence Level	95%
Number of results	6
Number < cleanup level	0
Are any potential outliers present?	No
Mean of concentration	51.3
Standard deviation of concentration	15.2
t-value for UCL calculation	2.015



95% Upper Confidence Limit (UCL)	63.8
Method for calculating UCL	Student's t UCL
Value of 95% Upper Confidence Band value at final sampling event	56.1
Trend calculation method	Ordinary Least Squares
Cleanup level	5
Source of cleanup level	MCL
Is the trend decreasing or statistically insignificant?	Yes

When is the concentration predicted to exceed the MCL?	Not applicable - slope is not statistically increasing
Message: None.	

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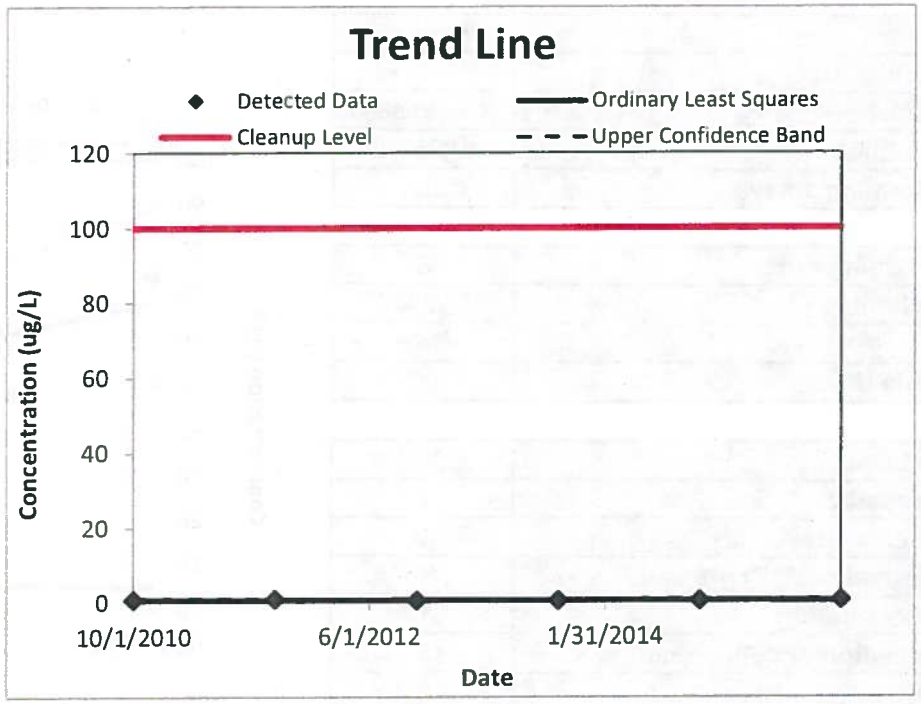
Groundwater Statistics Tool

UCL calculations and summary statistics for data sets that are normally distributed

Site Name	Harcros
Operating Unit (OU)	0
Type of Evaluation	Remediation
Date of Evaluation	8/1/2016
Person performing analysis	JLK

Chemical of Concern	trans12DCE
Well Name/Number	MW40D
Date Units	Date
Concentration Units	ug/L

Confidence Level	95%
Number of results	6
Number < cleanup level	6
Are any potential outliers present?	No
Mean of concentration	0.567
Standard deviation of concentration	0.178
t-value for UCL calculation	2.015



95% Upper Confidence Limit (UCL)	0.713
Method for calculating UCL	Student's t UCL
Value of 95% Upper Confidence Band value at final sampling event	0.798
Trend calculation method	Ordinary Least Squares
Cleanup level	100
Source of cleanup level	MCL
Is the trend decreasing or statistically insignificant?	Yes

When is the concentration predicted to exceed the MCL?	Not applicable - slope is not statistically increasing
Message: None.	

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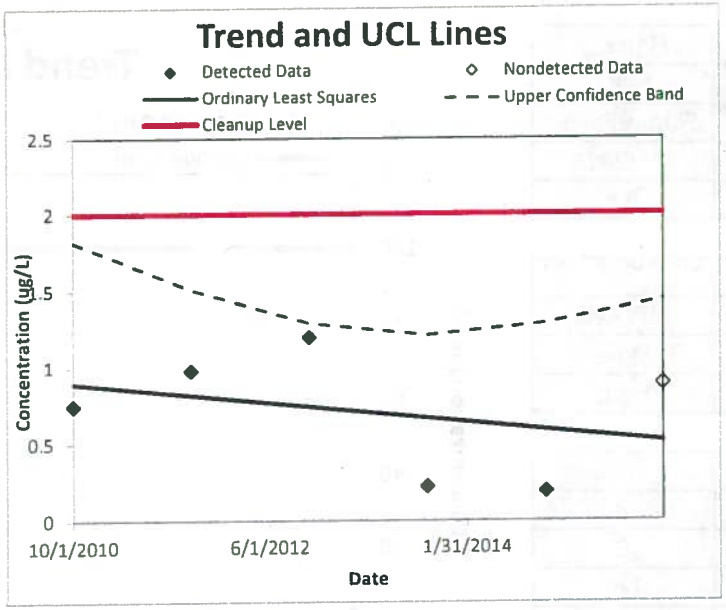
Groundwater Statistics Tool

UCL calculations and summary statistics for data sets with nondetects

Site Name	Harcros
Operating Unit (OU)	0
Type of Evaluation	Remediation
Date of Evaluation	8/1/2016
Person performing analysis	JLK

Chemical of Concern	VC
Well Name/Number	MW40D
Date Units	Date
Concentration Units	ug/L

Confidence Level	95%
Number of results	6
Number of detected results	5
Number of non-detected results	1
Detection frequency	83%
Number at or below cleanup level	6
Are any potential outliers present?	No
Mean of concentration	0.646
Standard deviation of concentration	0.397



95% Upper Confidence Limit (UCL)	1.49
Method for calculating UCL	KM Chebyshev UCL
Value of 95% Upper Confidence Band value at final sampling event	1.44
Trend calculation method	Ordinary Least Squares
Cleanup level	2
Source of cleanup level	MCL
Is the trend decreasing or statistically insignificant?	Yes

When is the concentration predicted to exceed the MCL?	Not applicable - slope is not statistically increasing

Message: None.

Data, including imputed values

Date (Date)	VC Concentration (ug/L)	Data Qualifier	Imputed value*
40452	0.75	J	0.75
40817	0.98	J	0.98
41183	1.2		1.2
41548	0.22	J	0.22
41913	0.19	J	0.19
42278	1	U	0.89

* Note that the imputed value column also includes the actual value for detected samples. This is for convenience in copying and pasting the data.

Random Seed Used	53226.41406

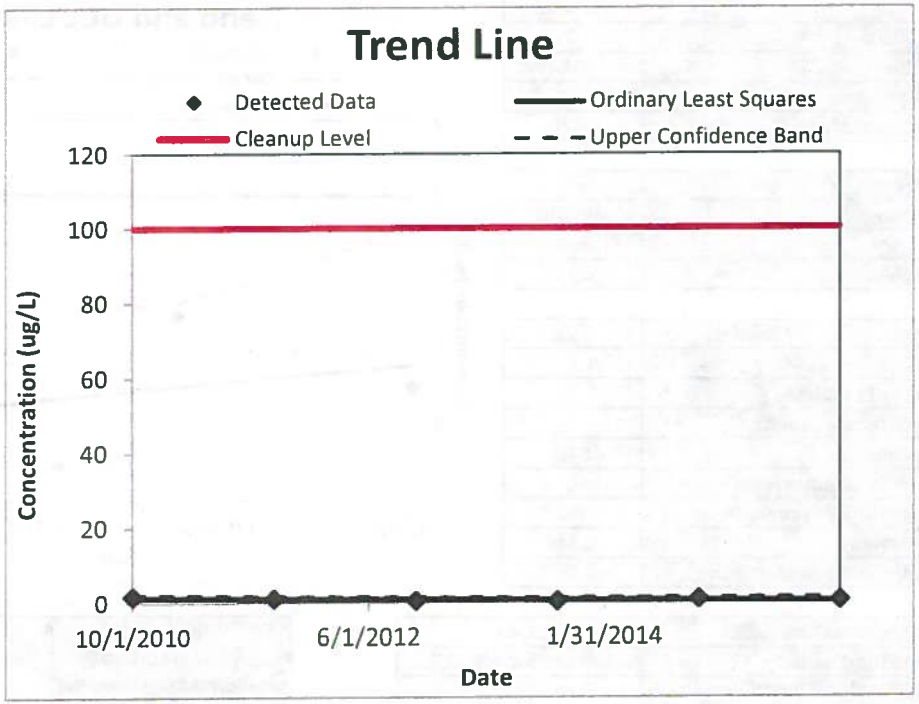
Groundwater Statistics Tool

UCL calculations and summary statistics for data sets that are normally distributed

Site Name	Harcros
Operating Unit (OU)	EW1
Type of Evaluation	Remediation
Date of Evaluation	8/1/2016
Person performing analysis	JLK

Chemical of Concern	chlorobenzen e
Well Name/Number	MW42D
Date Units	Date
Concentration Units	ug/L

Confidence Level	95%
Number of results	6
Number < cleanup level	6
Are any potential outliers present?	No
Mean of concentration	0.81
Standard deviation of concentration	0.465
t-value for UCL calculation	2.015



95% Upper Confidence Limit (UCL)	1.19
Method for calculating UCL	Student's t UCL
Value of 95% Upper Confidence Band value at final sampling event	1.24
Trend calculation method	Ordinary Least Squares
Cleanup level	100
Source of cleanup level	MCL
Is the trend decreasing or statistically insignificant?	Yes

When is the concentration predicted to exceed the MCL?	Not applicable - slope is not statistically increasing
Message: None.	

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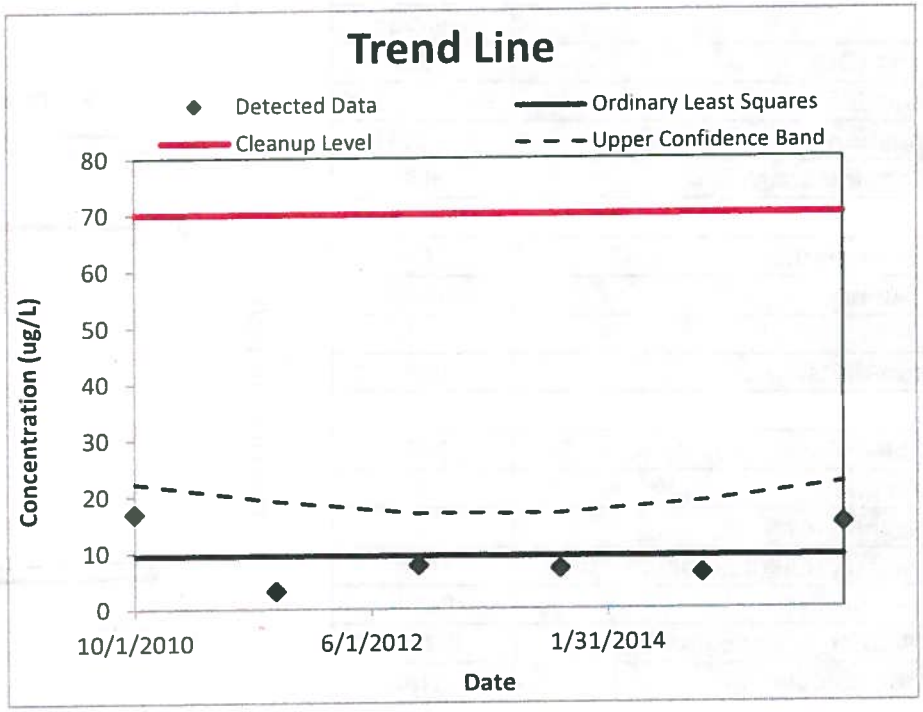
Groundwater Statistics Tool

UCL calculations and summary statistics for data sets that are normally distributed

Site Name	Harcros
Operating Unit (OU)	EW1
Type of Evaluation	Remediation
Date of Evaluation	8/1/2016
Person performing analysis	JLK

Chemical of Concern	cis12DCE
Well Name/Number	MW42D
Date Units	Date
Concentration Units	ug/L

Confidence Level	95%
Number of results	6
Number < cleanup level	6
Are any potential outliers present?	No
Mean of concentration	9.37
Standard deviation of concentration	5.4
t-value for UCL calculation	2.015



95% Upper Confidence Limit (UCL)	13.8
Method for calculating UCL	Student's t UCL
Value of 95% Upper Confidence Band value at final sampling event	22.1
Trend calculation method	Ordinary Least Squares
Cleanup level	70
Source of cleanup level	MCL
Is the trend decreasing or statistically insignificant?	Yes

When is the concentration predicted to exceed the MCL?	Not applicable - slope is not statistically increasing
Message: None.	

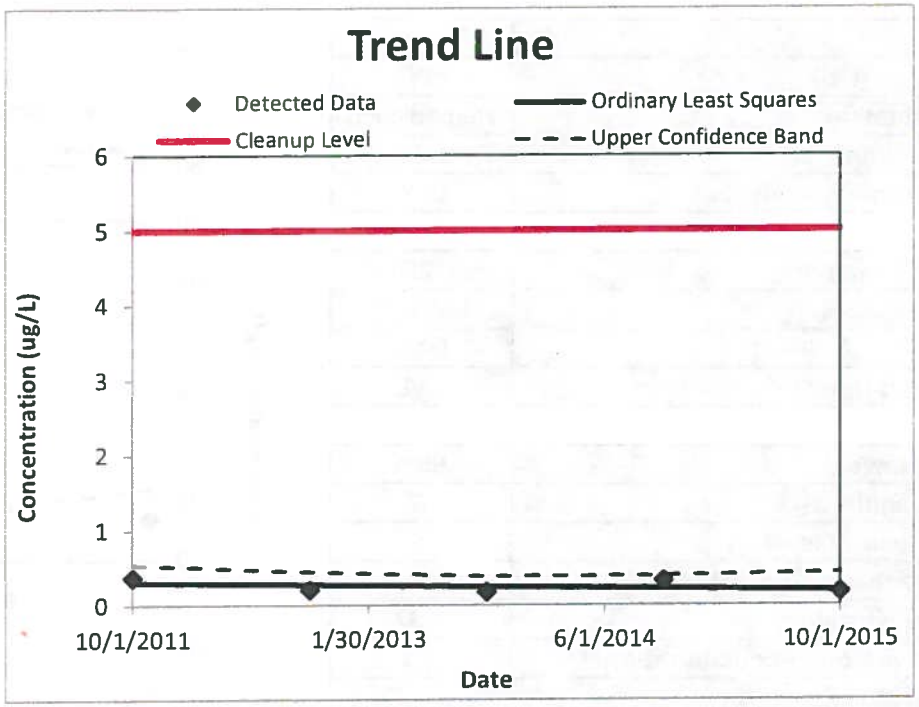
Groundwater Statistics Tool

UCL calculations and summary statistics for data sets that are normally distributed

Site Name	Harcros
Operating Unit (OU)	EW1
Type of Evaluation	Remediation
Date of Evaluation	8/1/2016
Person performing analysis	JLK

Chemical of Concern	TCE
Well Name/Number	MW42D
Date Units	Date
Concentration Units	ug/L

Confidence Level	95%
Number of results	5
Number < cleanup level	5
Are any potential outliers present?	No
Mean of concentration	0.246
Standard deviation of concentration	0.0929
t-value for UCL calculation	2.132



95% Upper Confidence Limit (UCL)	0.335
Method for calculating UCL	Student's t UCL
Value of 95% Upper Confidence Band value at final sampling event	0.431
Trend calculation method	Ordinary Least Squares
Cleanup level	5
Source of cleanup level	MCL
Is the trend decreasing or statistically insignificant?	Yes

When is the concentration predicted to exceed the MCL?	Not applicable - slope is not statistically increasing
Message: None.	

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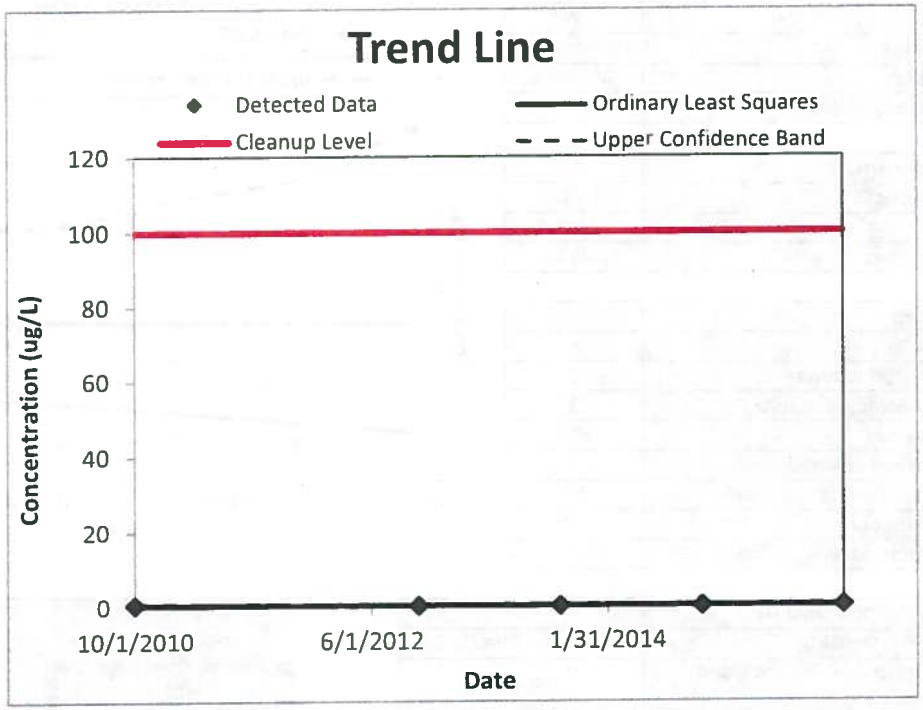
Groundwater Statistics Tool

UCL calculations and summary statistics for data sets that are normally distributed

Site Name	Harcros
Operating Unit (OU)	EW1
Type of Evaluation	Remediation
Date of Evaluation	8/1/2016
Person performing analysis	JLK

Chemical of Concern	trans12DCE
Well Name/Number	MW42D
Date Units	Date
Concentration Units	ug/L

Confidence Level	95%
Number of results	5
Number < cleanup level	5
Are any potential outliers present?	No
Mean of concentration	0.312
Standard deviation of concentration	0.157
t-value for UCL calculation	2.132



95% Upper Confidence Limit (UCL)	0.462
Method for calculating UCL	Student's t UCL
Value of 95% Upper Confidence Band value at final sampling event	0.486
Trend calculation method	Ordinary Least Squares
Cleanup level	100
Source of cleanup level	MCL
Is the trend decreasing or statistically insignificant?	Yes

When is the concentration predicted to exceed the MCL?	Not applicable - slope is not statistically increasing
Message: None.	

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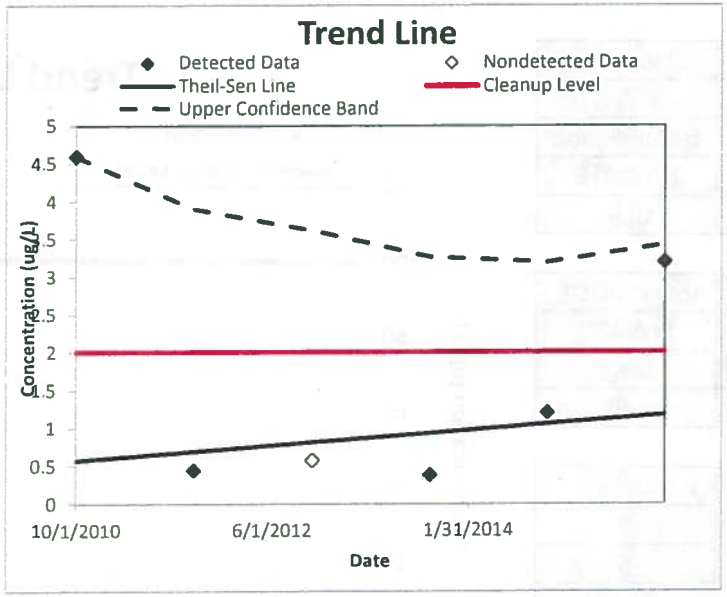
Groundwater Statistics Tool

UCL calculations and summary statistics for data sets with nondetects

Site Name	Harcros
Operating Unit (OU)	EW1
Type of Evaluation	Remediation
Date of Evaluation	8/1/2016
Person performing analysis	JLK

Chemical of Concern	VC
Well Name/Number	MW42D
Date Units	Date
Concentration Units	ug/L

Confidence Level	95%
Number of results	6
Number of detected results	5
Number of non-detected results	1
Detection frequency	83%
Number at or below cleanup level	4
Are any potential outliers present?	No
Mean of concentration	1.71
Standard deviation of concentration	1.63



95% Upper Confidence Limit (UCL)	4.94
Method for calculating UCL	KM Chebyshev UCL
Value of 95% Upper Confidence Band value at final sampling event	3.43
Trend calculation method	Theil-Sen/Mann-Kendall
Cleanup level	2
Source of cleanup level	MCL
Is the trend decreasing or statistically insignificant?	Yes

When is the concentration predicted to exceed the MCL?	Not applicable - slope is not statistically increasing

Message: None.

Data, including imputed values

Date (Date)	VC Concentration (ug/L)	Data Qualifier	Imputed value*
40452	4.6		4.6
40817	0.44	J	0.44
41183	1	U	0.56
41548	0.38	J	0.38
41913	1.2		1.2
42278	3.2		3.2

* Note that the imputed value column also includes the actual value for detected samples. This is for convenience in copying and pasting the data.

Random Seed Used	16832.33594

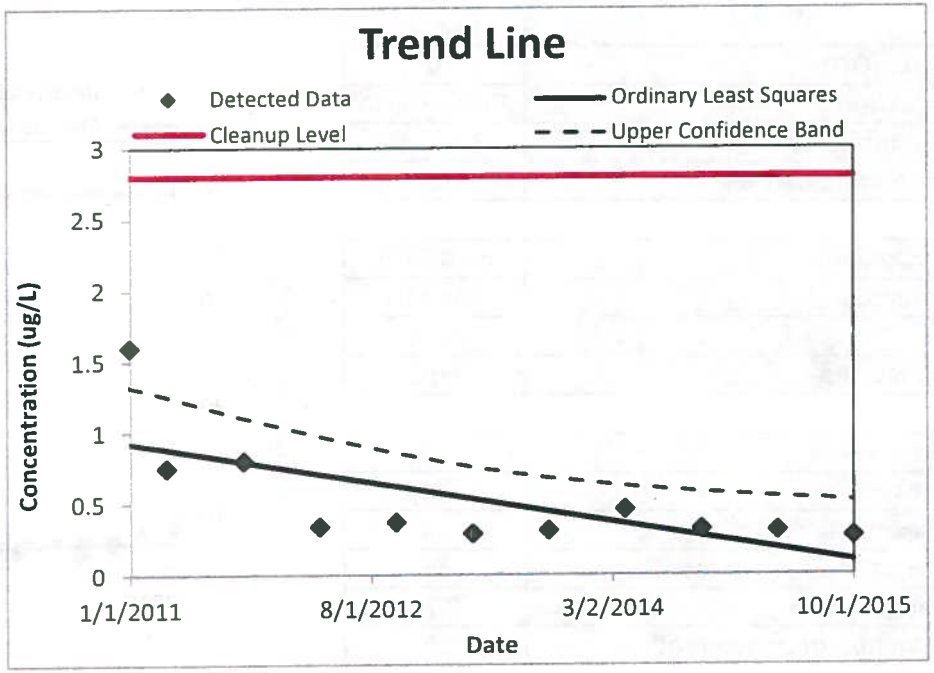
Groundwater Statistics Tool

UCL calculations and summary statistics for nonparametric data sets

Site Name	Harcros
Operating Unit (OU)	0
Type of Evaluation	Remediation
Date of Evaluation	8/1/2016
Person performing analysis	JLK

Chemical of Concern	11DCA
Well Name/Number	MW44D
Date Units	Date
Concentration Units	ug/L

Confidence Level	95%
Number of results	11
Number < cleanup level	11
Are any potential outliers present?	No
Mean of concentration	0.529
Standard deviation of concentration	0.4



95% Upper Confidence Limit (UCL)	1.05
Method for calculating UCL	Chebyshev UCL
Value of 95% Upper Confidence Band value at final sampling event	0.517
Trend calculation method	Ordinary Least Squares
Cleanup level	2.8
Source of cleanup level	MCL
Is the trend decreasing or statistically insignificant?	Yes

When is the concentration predicted to exceed the MCL?	Not applicable - slope is not statistically increasing
Random Seed Used	24545.44531
Message: None.	

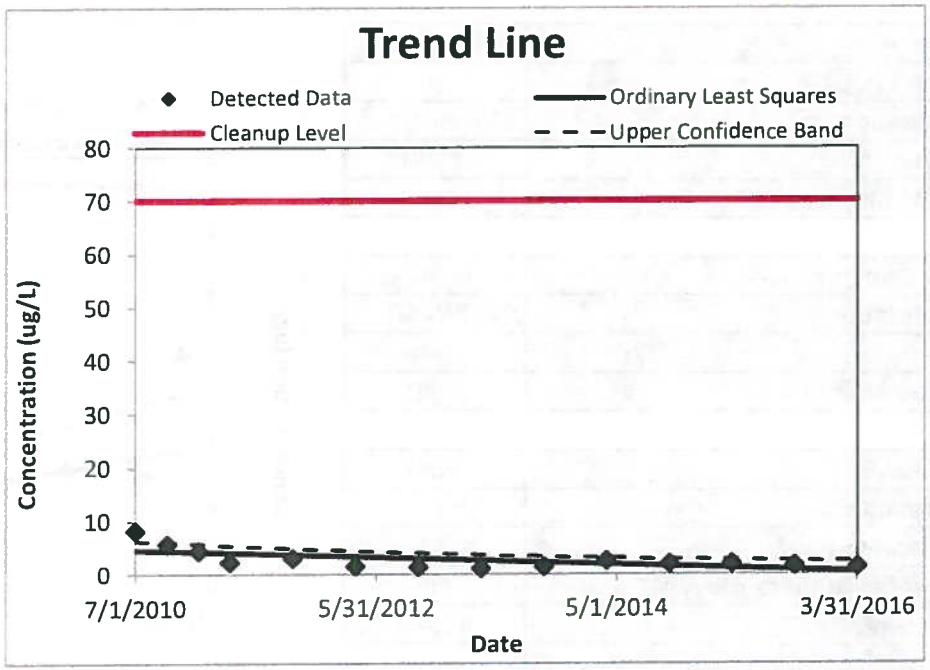
Groundwater Statistics Tool

UCL calculations and summary statistics for nonparametric data sets

Site Name	Harcros
Operating Unit (OU)	0
Type of Evaluation	Remediation
Date of Evaluation	8/1/2016
Person performing analysis	JLK

Chemical of Concern	cis12DCE
Well Name/Number	MW44D
Date Units	Date
Concentration Units	ug/L

Confidence Level	95%
Number of results	14
Number < cleanup level	14
Are any potential outliers present?	No
Mean of concentration	2.74
Standard deviation of concentration	2.07



95% Upper Confidence Limit (UCL)	5.15
Method for calculating UCL	Chebyshev UCL
Value of 95% Upper Confidence Band value at final sampling event	2.48
Trend calculation method	Ordinary Least Squares
Cleanup level	70
Source of cleanup level	MCL
Is the trend decreasing or statistically insignificant?	Yes

When is the concentration predicted to exceed the MCL?	Not applicable - slope is not statistically increasing
Random Seed Used	0
Message: None.	

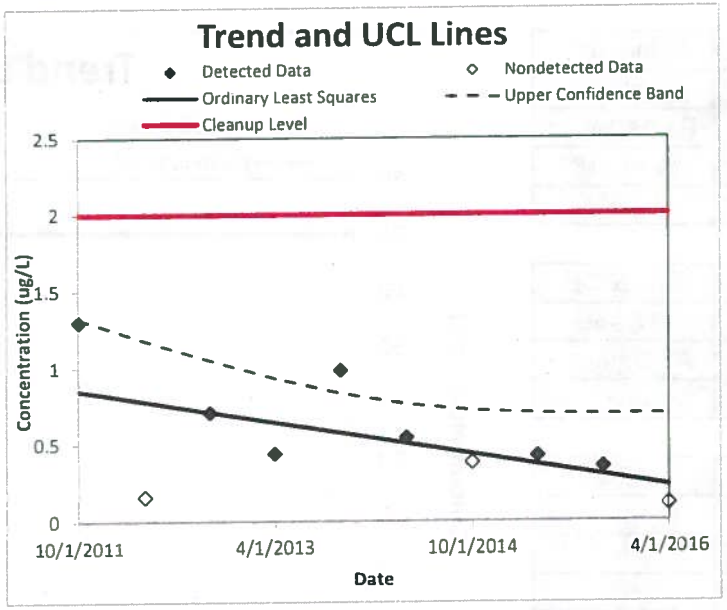
Groundwater Statistics Tool

UCL calculations and summary statistics for data sets with nondetects

Site Name	Harcros
Operating Unit (OU)	0
Type of Evaluation	Remediation
Date of Evaluation	8/1/2016
Person performing analysis	JLK

Chemical of Concern	VC
Well Name/Number	MW44D
Date Units	Date
Concentration Units	ug/L

Confidence Level	95%
Number of results	10
Number of detected results	7
Number of non-detected results	3
Detection frequency	70%
Number at or below cleanup level	10
Are any potential outliers present?	No
Mean of concentration	0.646
Standard deviation of concentration	0.298



95% Upper Confidence Limit (UCL)	1.14
Method for calculating UCL	KM Chebyshev UCL
Value of 95% Upper Confidence Band value at final sampling event	0.696
Trend calculation method	Ordinary Least Squares
Cleanup level	2
Source of cleanup level	MCL
Is the trend decreasing or statistically insignificant?	Yes

When is the concentration predicted to exceed the MCL?	Not applicable - slope is not statistically increasing
Message: None.	

Data, including imputed values

Date (Date)	VC Concentration (ug/L)	Data Qualifier	Imputed value*
40817	1.3		1.3
41000	1	U	0.16
41183	0.71	J	0.71
41365	0.44	J	0.44
41548	0.98	J	0.98
41730	0.54	J	0.54
41913	1	U	0.38
42095	0.42	J	0.42
42278	0.35	J	0.35
42461	1	U	0.11

* Note that the imputed value column also includes the actual value for detected samples. This is for convenience in copying and pasting the data.

Random Seed Used	25495.9707

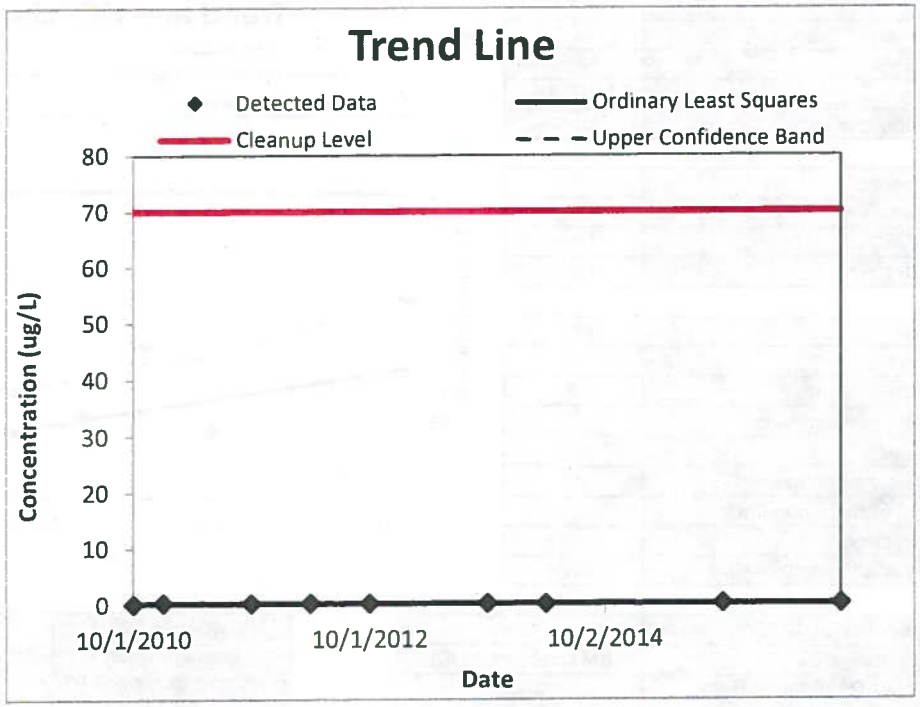
Groundwater Statistics Tool

UCL calculations and summary statistics for data sets that are normally distributed

Site Name	Harcros
Operating Unit (OU)	0
Type of Evaluation	Remediation
Date of Evaluation	8/1/2016
Person performing analysis	JLK

Chemical of Concern	cis12DCE
Well Name/Number	MW46D
Date Units	Date
Concentration Units	ug/L

Confidence Level	95%
Number of results	9
Number < cleanup level	9
Are any potential outliers present?	No
Mean of concentration	0.233
Standard deviation of concentration	0.0755
t-value for UCL calculation	1.860



95% Upper Confidence Limit (UCL)	0.28
Method for calculating UCL	Student's t UCL
Value of 95% Upper Confidence Band value at final sampling event	0.306
Trend calculation method	Ordinary Least Squares
Cleanup level	70
Source of cleanup level	MCL
Is the trend decreasing or statistically insignificant?	Yes

When is the concentration predicted to exceed the MCL?	Not applicable - slope is not statistically increasing
Message: None.	

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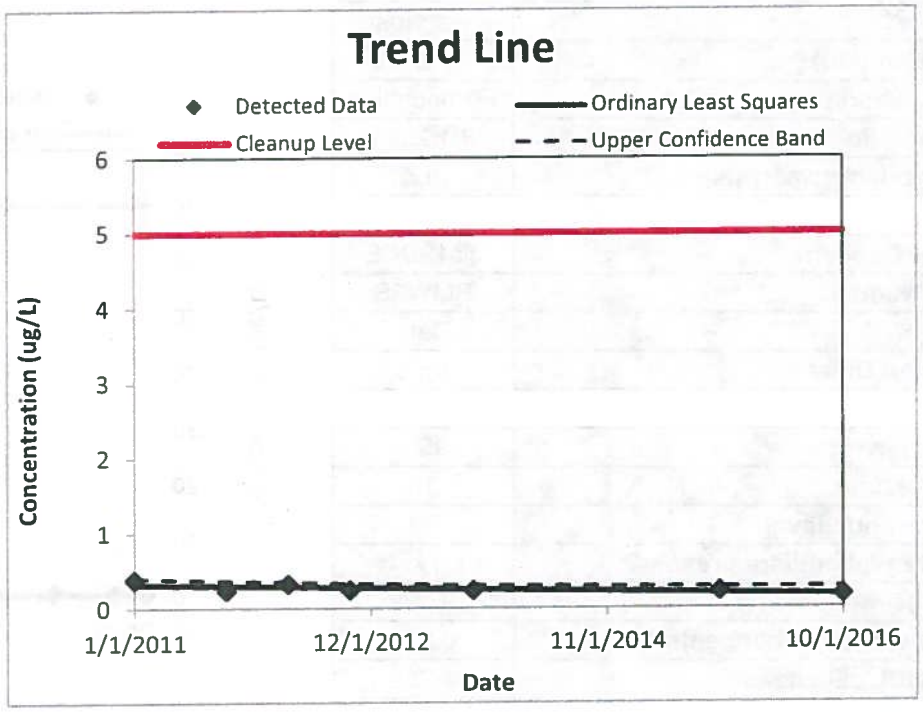
Groundwater Statistics Tool

UCL calculations and summary statistics for data sets that are normally distributed

Site Name	Harcros
Operating Unit (OU)	0
Type of Evaluation	Remediation
Date of Evaluation	8/1/2016
Person performing analysis	JLK

Chemical of Concern	TCE
Well Name/Number	MW46D
Date Units	Date
Concentration Units	ug/L

Confidence Level	95%
Number of results	7
Number < cleanup level	7
Are any potential outliers present?	No
Mean of concentration	0.256
Standard deviation of concentration	0.0704
t-value for UCL calculation	1.943



95% Upper Confidence Limit (UCL)	0.308
Method for calculating UCL	Student's t UCL
Value of 95% Upper Confidence Band value at final sampling event	0.269
Trend calculation method	Ordinary Least Squares
Cleanup level	5
Source of cleanup level	MCL
Is the trend decreasing or statistically insignificant?	Yes

When is the concentration predicted to exceed the MCL?	Not applicable - slope is not statistically increasing
Message: None.	

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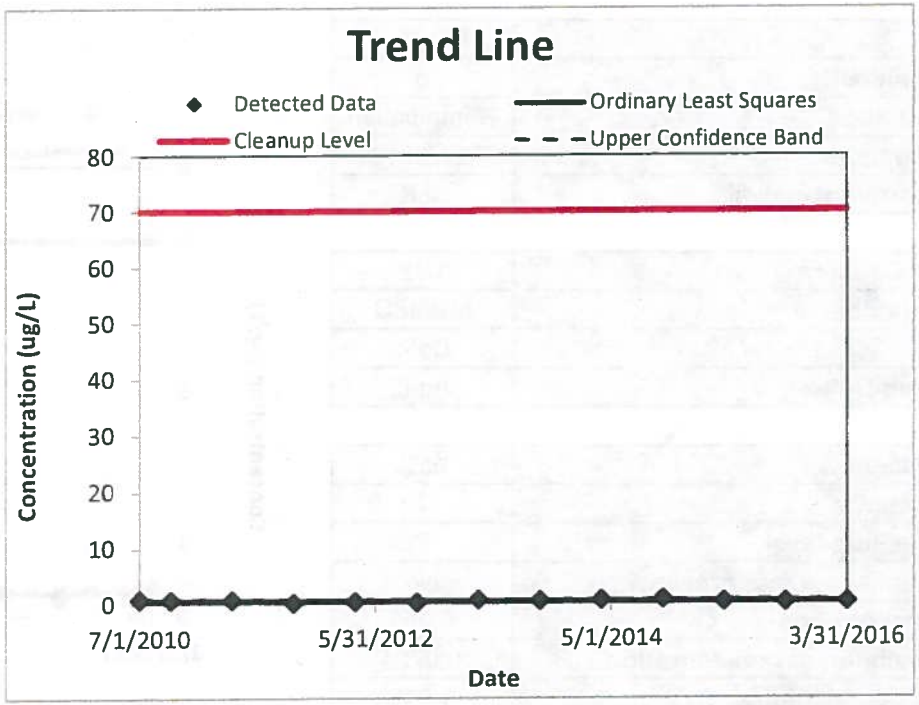
Groundwater Statistics Tool

UCL calculations and summary statistics for data sets that are normally distributed

Site Name	Harcros
Operating Unit (OU)	0
Type of Evaluation	Remediation
Date of Evaluation	8/1/2016
Person performing analysis	JLK

Chemical of Concern	cis12DCE
Well Name/Number	BMW3S
Date Units	Date
Concentration Units	ug/L

Confidence Level	95%
Number of results	13
Number < cleanup level	13
Are any potential outliers present?	No
Mean of concentration	0.492
Standard deviation of concentration	0.225
t-value for UCL calculation	1.782



95% Upper Confidence Limit (UCL)	0.603
Method for calculating UCL	Student's t UCL
Value of 95% Upper Confidence Band value at final sampling event	0.662
Trend calculation method	Ordinary Least Squares
Cleanup level	70
Source of cleanup level	MCL
Is the trend decreasing or statistically insignificant?	Yes

When is the concentration predicted to exceed the MCL?	Not applicable - slope is not statistically increasing
Message: None.	

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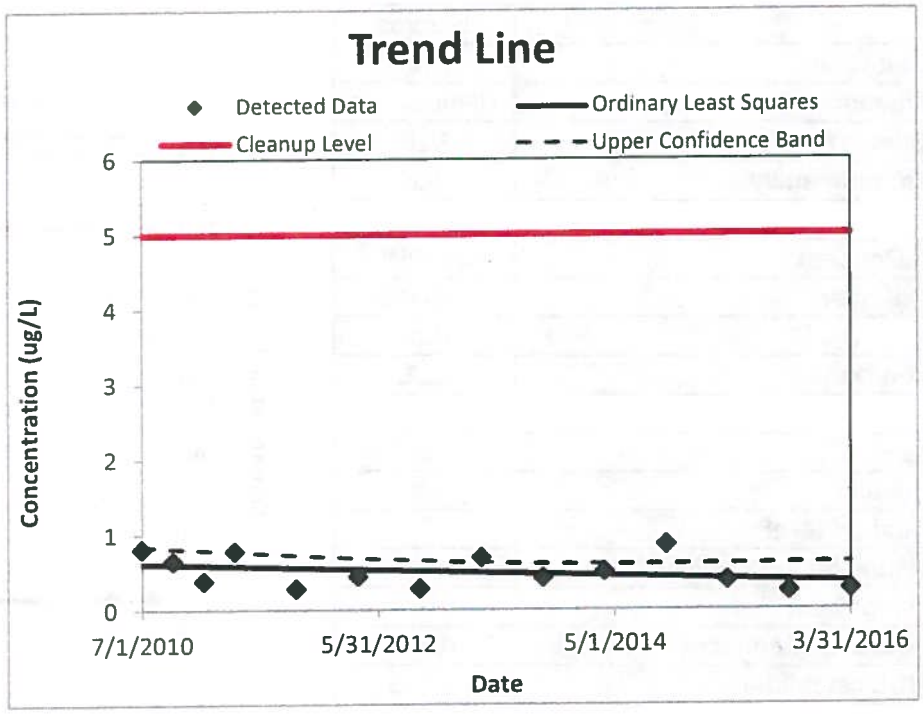
Groundwater Statistics Tool

UCL calculations and summary statistics for data sets that are normally distributed

Site Name	Harcros
Operating Unit (OU)	0
Type of Evaluation	Remediation
Date of Evaluation	8/1/2016
Person performing analysis	JLK

Chemical of Concern	TCE
Well Name/Number	BMW3S
Date Units	Date
Concentration Units	ug/L

Confidence Level	95%
Number of results	14
Number < cleanup level	14
Are any potential outliers present?	No
Mean of concentration	0.498
Standard deviation of concentration	0.219
t-value for UCL calculation	1.771



95% Upper Confidence Limit (UCL)	0.602
Method for calculating UCL	Student's t UCL
Value of 95% Upper Confidence Band value at final sampling event	0.621
Trend calculation method	Ordinary Least Squares
Cleanup level	5
Source of cleanup level	MCL
Is the trend decreasing or statistically insignificant?	Yes

When is the concentration predicted to exceed the MCL?	Not applicable - slope is not statistically increasing
Message: None.	

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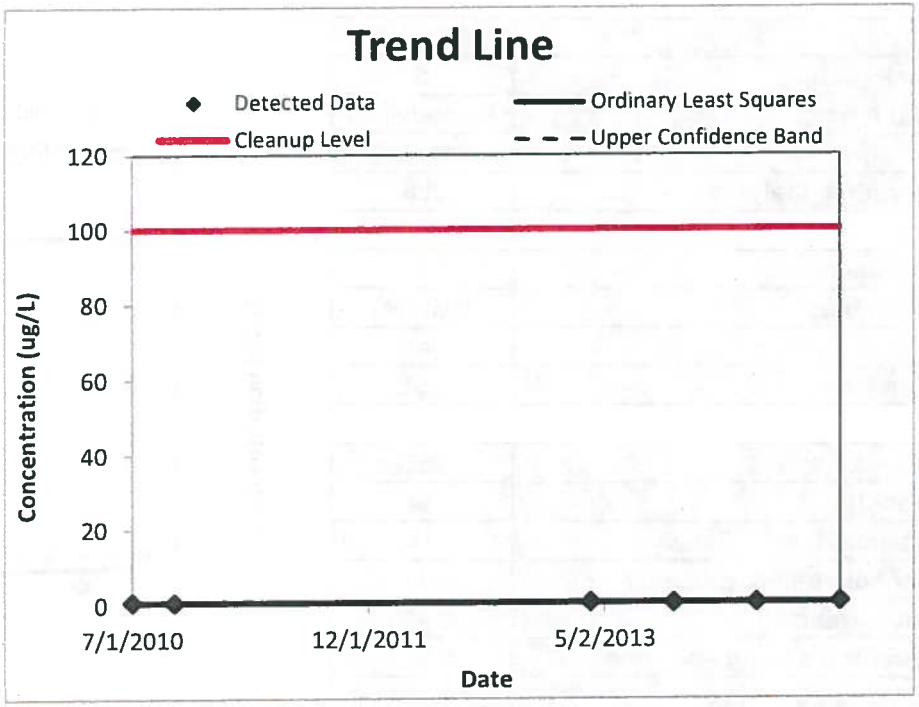
Groundwater Statistics Tool

UCL calculations and summary statistics for data sets that are normally distributed

Site Name	Harcros
Operating Unit (OU)	0
Type of Evaluation	Remediation
Date of Evaluation	8/1/2016
Person performing analysis	JLK

Chemical of Concern	trans12DCE
Well Name/Number	BMW3S
Date Units	Date
Concentration Units	ug/L

Confidence Level	95%
Number of results	6
Number < cleanup level	6
Are any potential outliers present?	No
Mean of concentration	0.677
Standard deviation of concentration	0.111
t-value for UCL calculation	2.015



95% Upper Confidence Limit (UCL)	0.768
Method for calculating UCL	Student's t UCL
Value of 95% Upper Confidence Band value at final sampling event	0.867
Trend calculation method	Ordinary Least Squares
Cleanup level	100
Source of cleanup level	MCL
Is the trend decreasing or statistically insignificant?	Yes

When is the concentration predicted to exceed the MCL?	Not applicable - slope is not statistically increasing
Message: None.	

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Appendix C

EPA BIOCHLOR 2.2 Evaluation

Natural Attenuation Screening Protocol

The following is taken from the USEPA protocol (USEPA, 1998). The results of this scoring process have no regulatory significance.

Interpretation	Score
Inadequate evidence for anaerobic biodegradation* of chlorinated organics	0 to 5
Limited evidence for anaerobic biodegradation* of chlorinated organics	6 to 14
Adequate evidence for anaerobic biodegradation* of chlorinated organics	15 to 20
Strong evidence for anaerobic biodegradation* of chlorinated organics	>20

* reductive dechlorination

Score: 13

Scroll to End of Table

Analysis	Concentration in Most Contam. Zone	Interpretation	Yes	No	Points Awarded
Oxygen*	<0.5 mg/L	Tolerated, suppresses the reductive pathway at higher concentrations	●	○	3
	> 5mg/L	Not tolerated; however, VC may be oxidized aerobically	○	●	0
Nitrate*	<1 mg/L	At higher concentrations may compete with reductive pathway	○	●	0
Iron II*	>1 mg/L	Reductive pathway possible; VC may be oxidized under Fe(III)-reducing conditions	○	●	0
Sulfate*	<20 mg/L	At higher concentrations may compete with reductive pathway	○	●	0
Sulfide*	>1 mg/L	Reductive pathway possible	○	○	
Methane*	>0.5 mg/L	Ultimate reductive daughter product, VC Accumulates	●	○	3
Oxidation Reduction Potential* (ORP)	<50 millivolts (mV)	Reductive pathway possible	●	○	1
	<-100mV	Reductive pathway likely	○	●	0
pH*	5 < pH < 9	Optimal range for reductive pathway	●	○	0
TOC	>20 mg/L	Carbon and energy source; drives dechlorination; can be natural or anthropogenic	○	●	0
Temperature*	>20°C	At T >20°C biochemical process is accelerated	○	●	0
Carbon Dioxide	>2x background	Ultimate oxidative daughter product	○	○	
Alkalinity	>2x background	Results from interaction of carbon dioxide with aquifer minerals	○	○	
Chloride*	>2x background	Daughter product of organic chlorine	○	○	
Hydrogen	>1 nM	Reductive pathway possible, VC may accumulate	○	○	
Volatile Fatty Acids	>0.1 mg/L	Intermediates resulting from biodegradation of aromatic compounds; carbon and energy source	○	○	
BTEX*	>0.1 mg/L	Carbon and energy source; drives dechlorination	○	●	0
PCE*		Material released	●	○	0
TCE*		Daughter product of PCE [a]	●	○	2
DCE*		Daughter product of TCE. If cis is greater than 80% of total DCE it is likely a daughter product of TCE[a/]; 1,1-DCE can be a chem. reaction product of TCA	●	○	2
VC*		Daughter product of DCE[a/]	●	○	2
1,1,1-Trichloroethane*		Material released	○	●	0
DCA		Daughter product of TCA under reducing conditions	○	●	0
Carbon Tetrachloride		Material released	○	●	0
Chloroethane*		Daughter product of DCA or VC under reducing conditions	○	●	0
Ethene/Ethane	>0.01 mg/L	Daughter product of VC/ethene	○	●	0
	>0.1 mg/L	Daughter product of VC/ethene	○	●	0
Chloroform		Daughter product of Carbon Tetrachloride	○	●	0
Dichloromethane		Daughter product of Chloroform	○	●	0

* required analysis

a/ Points awarded only if it can be shown that the compound is a daughter product (i.e., not a constituent of the source NAPL)

SCORE

Reset

End of Form

BIOCHLOR Natural Attenuation Decision Support System

Version 2.2
Excel 2000

Harcros
Kansas City, KS
Run Name

Data Input Instructions:

115 1. Enter value directly....or
↑ or 2. Calculate by filling in gray
0.02 cells. Press Enter, then C
(To restore formulas, hit "Restore Formulas" button)
Variable* → Data used directly in model.

Test if Biotransformation is Occurring → Natural Attenuation Screening Protocol

TYPE OF CHLORINATED SOLVENT: Ethenes ◉ Ethanes ○

1. ADVECTION

Seepage Velocity*	Vs	678.8	(ft/yr)
or			
Hydraulic Conductivity	K	2.3E-01	(cm/sec)
Hydraulic Gradient	i	0.00071	(ft/ft)
Effective Porosity	n	0.25	(-)

2. DISPERSION

Alpha x*	24.905	(ft)
(Alpha y) / (Alpha x)*	0.1	(-)
(Alpha z) / (Alpha x)*	1.E-99	(-)

Calc. Alpha x

3. ADSORPTION

Retardation Factor* → R

or

Soil Bulk Density, rho		1.6	(kg/L)	
FractionOrganicCarbon, foc		1.8E-3	(-)	
Partition Coefficient	Koc			
PCE		426	(L/kg)	5.91 (-)
TCE		130	(L/kg)	2.50 (-)
DCE		125	(L/kg)	2.44 (-)
VC		30	(L/kg)	1.34 (-)
ETH		302	(L/kg)	4.48 (-)

Common R (used in model)* = 2.50

4. BIOTRANSFORMATION

-1st Order Decay Coefficient*

Zone 1	λ (1/yr)	half-life (yrs)	Yield
PCE → TCE	0.400		0.79
TCE → DCE	0.150		0.74
DCE → VC	0.050		0.64
VC → ETH	0.200		0.45

Zone 2	λ (1/yr)	half-life (yrs)
PCE → TCE	0.000	
TCE → DCE	0.000	
DCE → VC	0.000	
VC → ETH	0.000	

λ HELP

5. GENERAL

Simulation Time*	30	(yr)
Modeled Area Width*	700	(ft)
Modeled Area Length*	2000	(ft)
Zone 1 Length*	2000	(ft)
Zone 2 Length*	0	(ft)

L, W

Zone 2= L - Zone 1

6. SOURCE DATA

TYPE: Decaying Single Planar

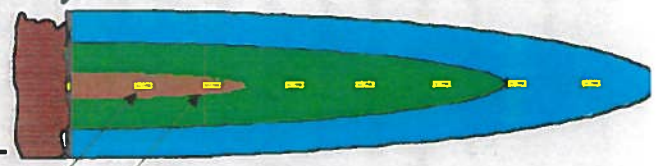
Source Options

Source Thickness in Sat. Zone* 1 (ft)

Width* (ft) Y1 150

Conc. (mg/L)*	C1	k_s* (1/yr)
PCE	.012	0.003
TCE	.002	0.003
DCE	.009	0.003
VC		0.003
ETH		0.003

Vertical Plane Source: Determine Source Well Location and Input Solvent Concentrations



View of Plume Looking Down

Observed Centerline Conc. at Monitoring Wells

7. FIELD DATA FOR COMPARISON

PCE Conc. (mg/L)	.012	.004									
TCE Conc. (mg/L)	.002	.002		.0							
DCE Conc. (mg/L)	.009	.008		.015	.001						
VC Conc. (mg/L)		.004		.003							
ETH Conc. (mg/L)											
Distance from Source (ft)	0	400	800	1100	1700						
Date Data Collected	2015										

8. CHOOSE TYPE OF OUTPUT TO SEE:

RUN CENTERLINE | RUN ARRAY | Help | Restore | RESET | SEE OUTPUT | Paste

Start Here → (●) PCE
( ) TCE
( ) DCE
( ) VC
( ) ETH

DISSOLVED SOLVENT CONCENTRATIONS IN PLUME

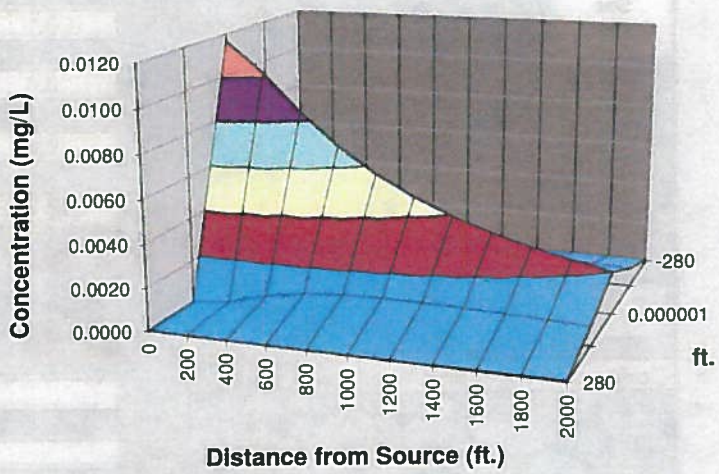
Transverse Distance (ft)	Distance from Source (ft) 0	200	400	600	800	1000	1200	1400	1600	1800	2000
280	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0	0.012	0.010	0.008	0.007	0.006	0.005	0.004	0.003	0.003	0.002	0.002
-140	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
-280	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MASS RATE (mg/day)	2.3E+1	2.0E+1	1.8E+1	1.6E+1	1.5E+1	1.3E+1	1.2E+1	1.0E+1	9.2E+0	8.2E+0	7.2E+0

Show No

Show Biotransformation

Displayed Compound: PCE

Time: 10 yr Target Level: 0.005 mg/L Displayed Model: Biotransformation



Plume Mass (Order-of-Magnitude Accuracy)

See Gallons

Plume Mass If No Degradation	0.1	(Kg)
- Plume Mass If Biotransformation/Production	0.0	(Kg)
Mass Removed	0.0	(Kg)
% Biotransformed =	+42.5%	
% Change in Mass Rate =	68.5 %	

If Can't Calc make model area longer

See acre-ft

Current Volume of Ground Water in Plume	0.26	MGal
Flow Rate of Water Through Source Area	0.001	MGD

Compare to Pump and Treat

Pumping Rate		(gpm)
# Pore Volumes Removed Per Yr.	0.00	
# Pore Volumes to Clean-Up		
Clean-Up Time		(yr)

Plot All Data Plot Data > Target Mass HELP To Centerline Return to Input

Start Here → (•) PCE
( ) TCE
( ) DCE
( ) VC
( ) ETH

DISSOLVED SOLVENT CONCENTRATIONS IN PLUME

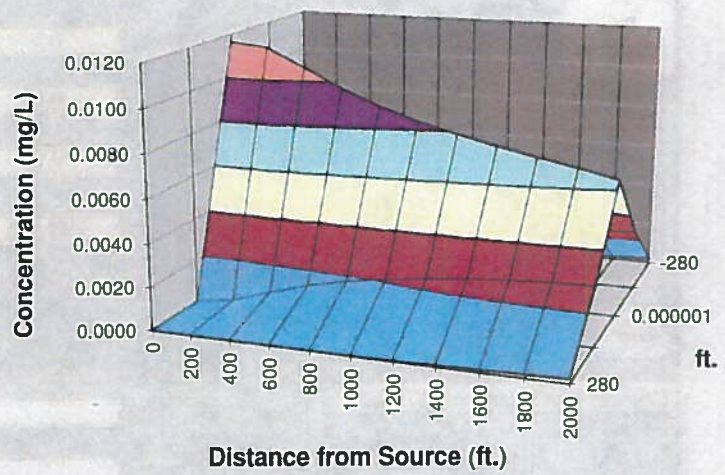
Transverse Distance (ft) ↓ / Distance from Source (ft) →	0	200	400	600	800	1000	1200	1400	1600	1800	2000
280	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140	0.000	0.000	0.001	0.001	0.002	0.002	0.002	0.003	0.003	0.003	0.003
0	0.012	0.011	0.011	0.010	0.009	0.008	0.008	0.007	0.007	0.007	0.006
-140	0.000	0.000	0.001	0.001	0.002	0.002	0.002	0.003	0.003	0.003	0.003
-280	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MASS RATE (mg/day)	2.3E+1	2.2E+1	2.3E+1	2.3E+1	2.3E+1	2.3E+1	2.3E+1	2.3E+1	2.3E+1	2.3E+1	2.3E+1

Show No

Show Biotransformation

Displayed Compound

Time: 10 yr Target Level: 0.005 mg/L Displayed Model: No Degradation PCE



Plume Mass (Order-of-Magnitude Accuracy)

See Gallons

Plume Mass If No Degradation	0.1	(Kg)
Plume Mass If Biotransformation Production	0.0	(Kg)
Mass Removed	0.0	(Kg)
% Biotransformed =	+42.5%	
% Change in Mass Rate =	0.4 %	

See acre-ft

Current Volume of Ground Water in Plume	Can't Calc.	MGal
Flow Rate of Water Through Source Area	0.001	MGD

Compare to Pump and Treat

Pumping Rate		(gpm)
# Pore Volumes Removed Per Yr.		
# Pore Volumes to Clean-Up		
Clean-Up Time		(yr)

Plot All Data Plot Data > Target Mass HELP To Centerline Return to Input

Start Here → (●) PCE ( ) TCE ( ) DCE ( ) VC ( ) ETH

DISSOLVED SOLVENT CONCENTRATIONS IN PLUME

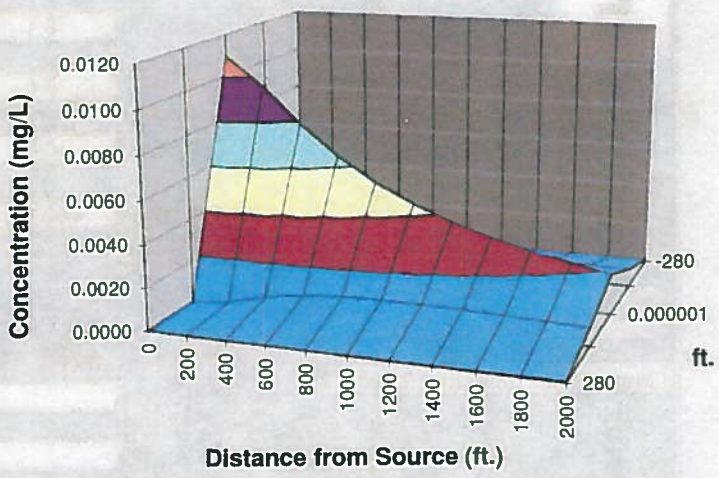
Transverse Distance (ft)	Distance from Source (ft) 0	200	400	600	800	1000	1200	1400	1600	1800	2000
280	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0	0.011	0.010	0.008	0.006	0.005	0.004	0.004	0.003	0.003	0.002	0.002
-140	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
-280	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MASS RATE (mg/day)	2.2E+1	1.8E+1	1.7E+1	1.5E+1	1.4E+1	1.2E+1	1.1E+1	9.7E+0	8.7E+0	7.7E+0	6.9E+0

Show No

Show Biotransformation

Displayed Compound

Time: 30 yr Target Level: 0.005 mg/L Displayed Model: Biotransformation PCE



Plume Mass (Order-of-Magnitude Accuracy)

See Gallons

Plume Mass If No Degradation	0.1	(Kg)
- Plume Mass If Biotransformation/Production	0.0	(Kg)
Mass Removed	0.0	(Kg)
% Biotransformed =	+42.6%	
% Change in Mass Rate =	68.0 %	

If "Can't Calc" make model area longer

See acre-ft

Current Volume of Ground Water in Plume	0.26	MGal
Flow Rate of Water Through Source Area	0.001	MGD

Compare to Pump and Treat

Pumping Rate		(gpm)
# Pore Volumes Removed Per Yr.	0.00	
# Pore Volumes to Clean-Up		
Clean-Up Time		(yr)

Plot All Data Plot Data > Target Mass HELP To Centerline Return to Input

Start Here → ◉ PCE
○ TCE
○ DCE
○ VC
○ ETH

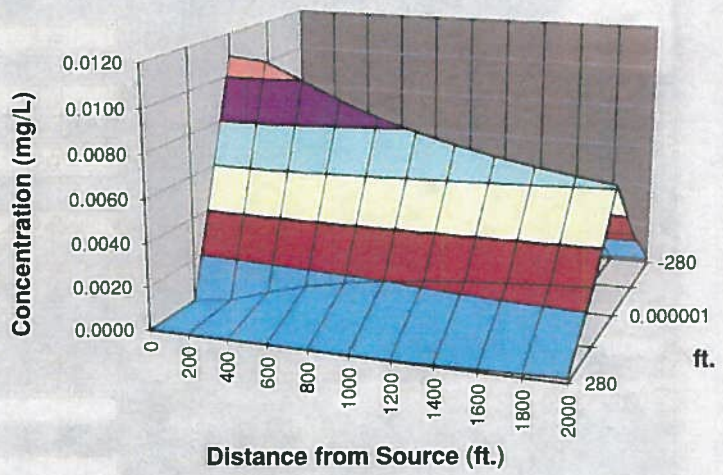
DISSOLVED SOLVENT CONCENTRATIONS IN PLUME

Transverse Distance (ft)	Distance from Source (ft) 0	200	400	600	800	1000	1200	1400	1600	1800	2000
280	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140	0.000	0.000	0.001	0.001	0.002	0.002	0.002	0.002	0.003	0.003	0.003
0	0.011	0.011	0.010	0.009	0.008	0.008	0.007	0.007	0.007	0.006	0.006
-140	0.000	0.000	0.001	0.001	0.002	0.002	0.002	0.002	0.003	0.003	0.003
-280	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MASS RATE (mg/day)	2.2E+1	2.1E+1	2.1E+1	2.2E+1	2.2E+1	2.2E+1	2.2E+1	2.2E+1	2.2E+1	2.2E+1	2.2E+1

Show No

Show Biotransformation

Time: 30 yr Target Level: 0.005 mg/L Displayed Model: No Degradation Displayed Compound: PCE



Plume Mass (Order-of-Magnitude Accuracy)

See Gallons

Plume Mass If No Degradation	0.1	(Kg)
- Plume Mass If Biotransformation/Production	0.0	(Kg)
Mass Removed	0.0	(Kg)
% Biotransformed =	+42.6%	
% Change in Mass Rate =	-2.3 %	

If "Can't Calc" make model area longer

See acre-ft

Current Volume of Ground Water in Plume	Can't Calc	MGal
Flow Rate of Water Through Source Area	0.001	MGD

Compare to Pump and Treat

Pumping Rate		(gpm)
# Pore Volumes Removed Per Yr		
# Pore Volumes to Clean-Up		
Clean-Up Time		(yr)

Plot All Data Plot Data > Target Mass HELP To Centerline Return to Input

Start Here → (●) PCE ( ) TCE ( ) DCE ( ) VC ( ) ETH

DISSOLVED SOLVENT CONCENTRATIONS IN PLUME

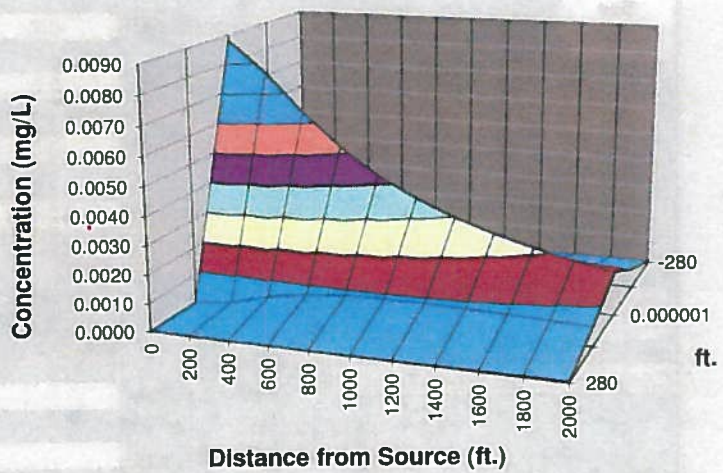
Transverse Distance (ft)	Distance from Source (ft) 0	200	400	600	800	1000	1200	1400	1600	1800	2000
280	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0	0.009	0.008	0.006	0.005	0.004	0.004	0.003	0.003	0.002	0.002	0.002
-140	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
-280	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MASS RATE (mg/day)	1.7E+1	1.5E+1	1.4E+1	1.2E+1	1.1E+1	9.8E+0	8.8E+0	7.8E+0	7.0E+0	6.2E+0	5.6E+0

Show No

Show Biotransformation

Displayed Compound

Time: 100 yr Target Level: 0.005 mg/L Displayed Model: Biotransformation PCE



Plume Mass (Order-of-Magnitude Accuracy)

See Gallons

Plume Mass If No Degradation 0.0 (Kg)

- Plume Mass If Biotransformation/Production 0.0 (Kg)

Mass Removed 0.0 (Kg)

% Biotransformed = +42.6%

% Change in Mass Rate = 68.0 %

See acre-ft

Current Volume of Ground Water in Plume 0.21 (MGal)

Flow Rate of Water Through Source Area 0.001 (MGD)

Compare to Pump and Treat

Pumping Rate (gpm)

Pore Volumes Removed Per Yr. 0.00

Pore Volumes to Clean-Up

Clean-Up Time (yr)

Plot All Data Plot Data > Target Mass HELP To Centerline Return to Input

Start Here → (●) PCE ( ) TCE ( ) DCE ( ) VC ( ) ETH

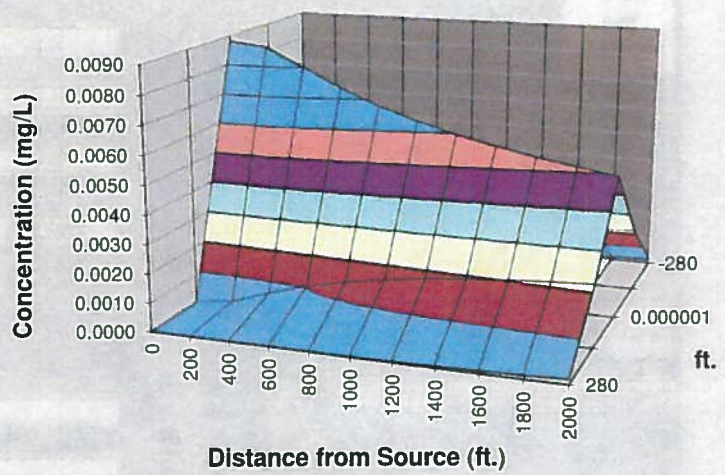
DISSOLVED SOLVENT CONCENTRATIONS IN PLUME

Transverse Distance (ft)	Distance from Source (ft) 0	200	400	600	800	1000	1200	1400	1600	1800	2000
280	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140	0.000	0.000	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002
0	0.009	0.009	0.008	0.007	0.007	0.006	0.006	0.006	0.005	0.005	0.005
-140	0.000	0.000	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002
-280	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MASS RATE (mg/day)	1.7E+1	1.7E+1	1.7E+1	1.7E+1	1.7E+1	1.8E+1	1.8E+1	1.8E+1	1.8E+1	1.8E+1	1.8E+1

Show No

Show Biotransformation

Time: 100 yr Target Level: 0.005 mg/L Displayed Model: No Degradation Displayed Compound: PCE



Plume Mass (Order-of-Magnitude Accuracy)

See Gallons

Plume Mass If No Degradation	0.0	(Kg)
- Plume Mass If Biotransformation/Production	0.0	(Kg)
Mass Removed	0.0	(Kg)
% Biotransformed =	+42.6%	
% Change in Mass Rate =	-2.3 %	

If "Can't Calc." make model area longer

See acre-ft

Current Volume of Ground Water in Plume	0.52	MGal
Flow Rate of Water Through Source Area	0.001	MGD

Compare to Pump and Treat

Pumping Rate		(gpm)
# Pore Volumes Removed Per Yr.	0.00	
# Pore Volumes to Clean-Up		
Clean-Up Time		(yr)

Plot All Data Plot Data > Target Mass HELP To Centerline Return to Input

Start Here → ○ PCE ◉ TCE ○ DCE ○ VC ○ ETH

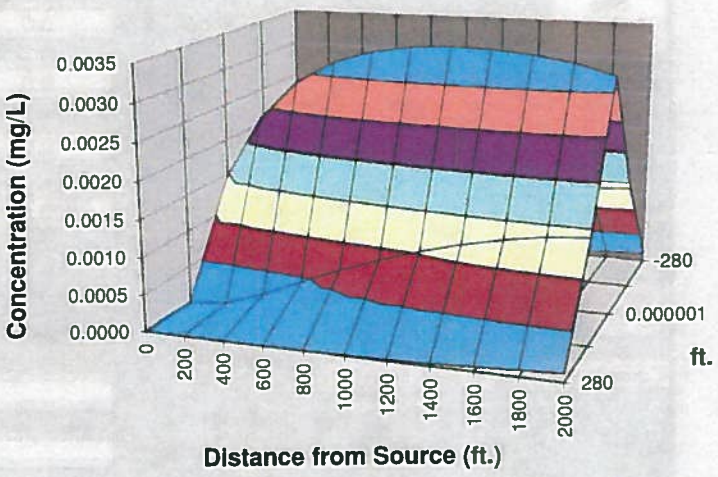
DISSOLVED SOLVENT CONCENTRATIONS IN PLUME

Transverse Distance (ft) \ Distance from Source (ft)	0	200	400	600	800	1000	1200	1400	1600	1800	2000
280	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0	0.001	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
-140	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001
-280	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MASS RATE (mg/day)	2.9E+0	4.5E+0	6.1E+0	7.5E+0	8.6E+0	9.5E+0	1.0E+1	1.1E+1	1.1E+1	1.1E+1	1.1E+1

Show No

Show Biotransformation

Time: 10 yr Target Level: 0.005 mg/L Displayed Model: Biotransformation Displayed Compound: TCE



Plume Mass (Order-of-Magnitude Accuracy)

See Gallons

Plume Mass If No Degradation	0.0	(Kg)
- Plume Mass If Biotransformation Production	0.0	(Kg)
Mass Removed	0.0	(Kg)
% Biotransformed =	-208.5 %	
% Change in Mass Rate =	-300.0 %	

If "Can't Calc" make model area longer

See acre-ft

Current Volume of Ground Water in Plume	0.00	MGal
Flow Rate of Water Through Source Area	0.001	MGD

Compare to Pump and Treat

Pumping Rate		(gpm)
# Pore Volumes Removed Per Yr.	#DIV/0!	
# Pore Volumes to Clean-Up		
Clean-Up Time		(yr)

Plot All Data Plot Data > Target Mass HELP To Centerline Return to Input

Start Here → ○ PCE
◉ TCE
○ DCE
○ VC
○ ETH

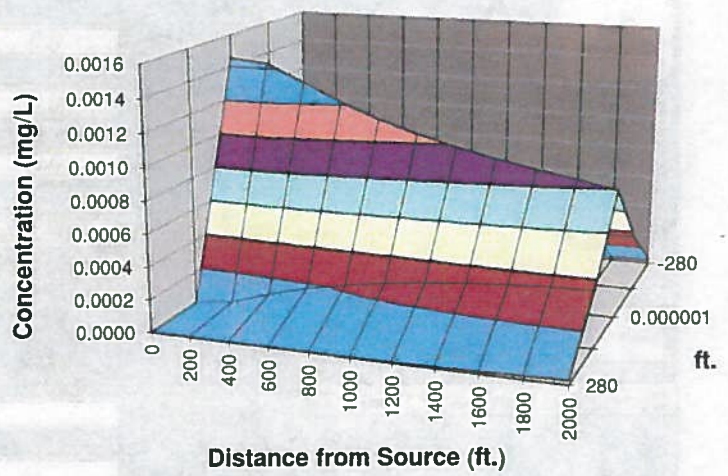
DISSOLVED SOLVENT CONCENTRATIONS IN PLUME

Transverse Distance (ft)	Distance from Source (ft) 0	200	400	600	800	1000	1200	1400	1600	1800	2000
280	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
-140	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
-280	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MASS RATE (mg/day)	2.9E+0	2.7E+0	2.8E+0	2.9E+0	2.9E+0	2.9E+0	2.9E+0	2.9E+0	2.9E+0	2.9E+0	2.9E+0

Show No

Show Biotransformation

Time: 10 yr Target Level: 0.005 mg/L Displayed Model: No Degradation Displayed Compound: TCE



Plume Mass (Order-of-Magnitude Accuracy)

See Gallons

Plume Mass If No Degradation	0.0	(Kg)
- Plume Mass If Biotransformation Production	0.0	(Kg)
Mass Removed	0.0	(Kg)
% Biotransformed =	-208.5 %	
% Change in Mass Rate =	0.4 %	

If Can't Calc make model area longer

See acre-ft

Current Volume of Ground Water in Plume	0.00	MGal
Flow Rate of Water Through Source Area	0.001	MGD

Compare to Pump and Treat

Pumping Rate		(gpm)
# Pore Volumes Removed Per Yr.	#DIV/0!	
# Pore Volumes to Clean-Up		
Clean-Up Time		(yr)

Plot All Data Plot Data > Target Mass HELP To Centerline Return to Input

Start Here → ○ PCE ◉ TCE ○ DCE ○ VC ○ ETH

DISSOLVED SOLVENT CONCENTRATIONS IN PLUME

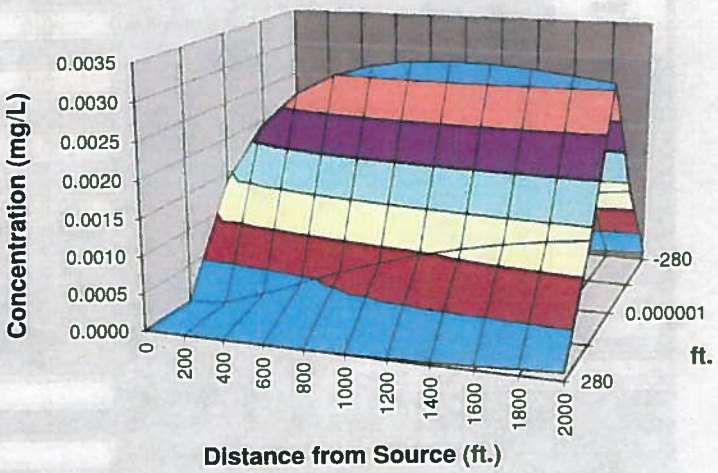
Transverse Distance (ft)	Distance from Source (ft) 0	200	400	600	800	1000	1200	1400	1600	1800	2000
280	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0	0.001	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
-140	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001
-280	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MASS RATE (mg/day)	2.7E+0	4.2E+0	5.8E+0	7.1E+0	8.1E+0	8.9E+0	9.6E+0	1.0E+1	1.1E+1	1.1E+1	1.1E+1

Show No

Show Biotransformation

Displayed Compound

Time: 30 yr Target Level: 0.005 mg/L Displayed Model: Biotransformation TCE



Plume Mass (Order-of-Magnitude Accuracy)

See Gallons

Plume Mass If No Degradation	0.0	(Kg)
Plume Mass If Biotransformation Production	0.0	(Kg)
Mass Removed	0.0	(Kg)
% Biotransformed =	-208.8 %	
% Change in Mass Rate =	-310.7 %	

If "Can't Calc" make model area longer

See acre-ft

Current Volume of Ground Water in Plume	0.00	MGal
Flow Rate of Water Through Source Area	0.001	MGD

Compare to Pump and Treat

Pumping Rate		(gpm)
# Pore Volumes Removed Per Yr.	#DIV/0!	
# Pore Volumes to Clean-Up		
Clean-Up Time		(yr)

Plot All Data Plot Data > Target Mass HELP To Centerline Return to Input

Start Here →

- ○ PCE
- ◉ TCE
- ○ DCE
- ○ VC
- ○ ETH

DISSOLVED SOLVENT CONCENTRATIONS IN PLUME

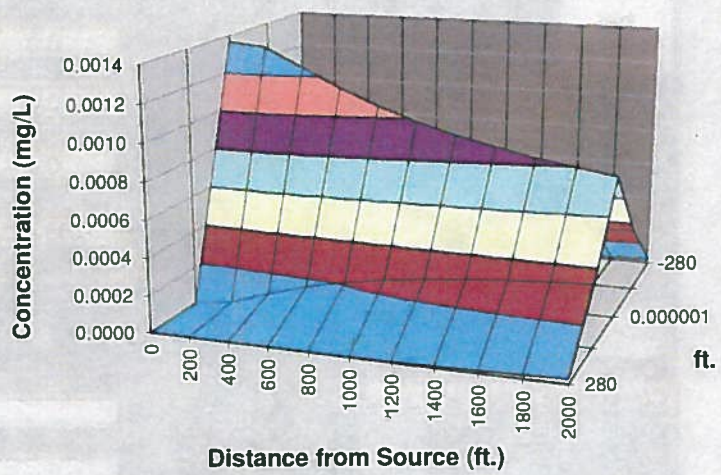
Transverse Distance (ft)	Distance from Source (ft) 0	200	400	600	800	1000	1200	1400	1600	1800	2000
280	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
-140	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
-280	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MASS RATE (mg/day)	2.7E+0	2.6E+0	2.7E+0	2.7E+0	2.7E+0	2.7E+0	2.7E+0	2.7E+0	2.7E+0	2.8E+0	2.8E+0

Show No

Show Biotransformation

Displayed Compound

Time: 30 yr Target Level: 0.005 mg/L Displayed Model: No Degradation TCE



Plume Mass (Order-of-Magnitude Accuracy)

See Gallons

Plume Mass If No Degradation	0.0	(Kg)
- Plume Mass If Biotransformation Production	0.0	(Kg)
Mass Removed	0.0	(Kg)
% Biotransformed =	-208.8 %	
% Change in Mass Rate =	-2.3 %	

If Can't Calc, make model area longer

See acre-ft

Current Volume of Ground Water in Plume	0.00	MGal
Flow Rate of Water Through Source Area	0.001	MGD

Compare to Pump and Treat

Pumping Rate		(gpm)
# Pore Volumes Removed Per Yr.	#DIV/0!	
# Pore Volumes to Clean-Up		
Clean-Up Time		(yr)

Plot All Data Plot Data > Target Mass HELP To Centerline Return to Input

Start Here → PCE / TCE / DCE / VC / ETH

DISSOLVED SOLVENT CONCENTRATIONS IN PLUME

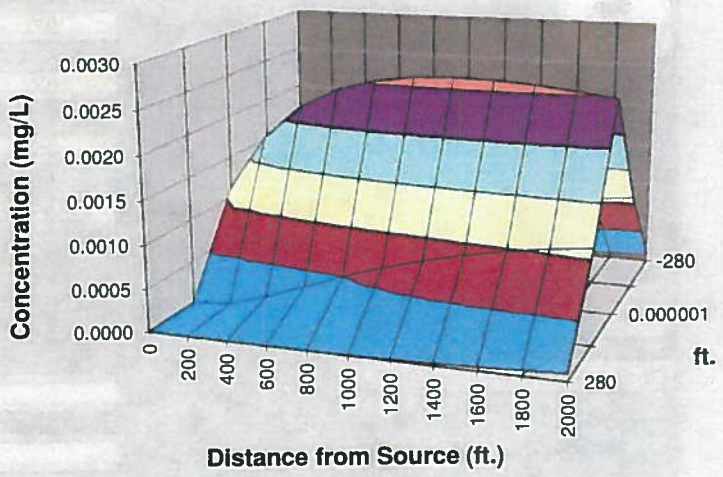
Transverse Distance (ft)	Distance from Source (ft) 0	200	400	600	800	1000	1200	1400	1600	1800	2000
280	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0	0.001	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.002
-140	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001
-280	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MASS RATE (mg/day)	2.2E+0	3.4E+0	4.6E+0	5.7E+0	6.5E+0	7.2E+0	7.7E+0	8.2E+0	8.5E+0	8.7E+0	8.9E+0

Show No

Show Biotransformation

Displayed Compound

Time: 100 yr Target Level: 0.005 mg/L Displayed Model: Biotransformation TCE



Plume Mass (Order-of-Magnitude Accuracy)

See Gallons

Plume Mass If No Degradation	0.0	(Kg)
- Plume Mass If Biotransformation Production	0.0	(Kg)
Mass Removed	0.0	(Kg)
% Biotransformed =	-208.8 %	
% Change in Mass Rate =	-310.7 %	

See acre-ft

Current Volume of Ground Water in Plume	0.00	MGal
Flow Rate of Water Through Source Area	0.001	MGD

Compare to Pump and Treat

Pumping Rate		(gpm)
# Pore Volumes Removed Per Yr.	#DIV/0!	
# Pore Volumes to Clean-Up		
Clean-Up Time		(yr)

Plot All Data Plot Data > Target Mass HELP To Centerline Return to Input

Start Here → ○ PCE ◉ TCE ○ DCE ○ VC ○ ETH

DISSOLVED SOLVENT CONCENTRATIONS IN PLUME

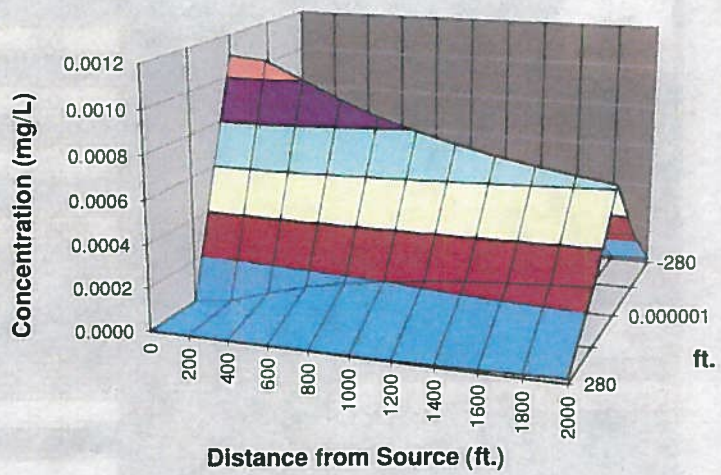
Transverse Distance (ft)	Distance from Source (ft) 0	200	400	600	800	1000	1200	1400	1600	1800	2000
280	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
-140	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
-280	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MASS RATE (mg/day)	2.2E+0	2.1E+0	2.1E+0	2.2E+0	2.2E+0	2.2E+0	2.2E+0	2.2E+0	2.2E+0	2.2E+0	2.2E+0

Show No

Show Biotransformation

Displayed Compound

Time: 100 yr Target Level: 0.005 mg/L Displayed Model: No Degradation TCE



Plume Mass (Order-of-Magnitude Accuracy)

See Gallons

Plume Mass If No Degradation	0.0	(Kg)
- Plume Mass If Biotransformation Production	0.0	(Kg)
Mass Removed	0.0	(Kg)
% Biotransformed =	-208.8 %	
% Change in Mass Rate =	-2.3 %	

If "Can't Calc" make model area longer

See acre-ft

Current Volume of Ground Water in Plume	0.00	MGal
Flow Rate of Water Through Source Area	0.001	MGD

Compare to Pump and Treat

Pumping Rate		(gpm)
# Pore Volumes Removed Per Yr.	#DIV/0!	
# Pore Volumes to Clean-Up		
Clean-Up Time		(yr)

Plot All Data Plot Data > Target Mass HELP To Centerline Return to Input

Start Here → PCE / TCE / DCE / VC / ETH

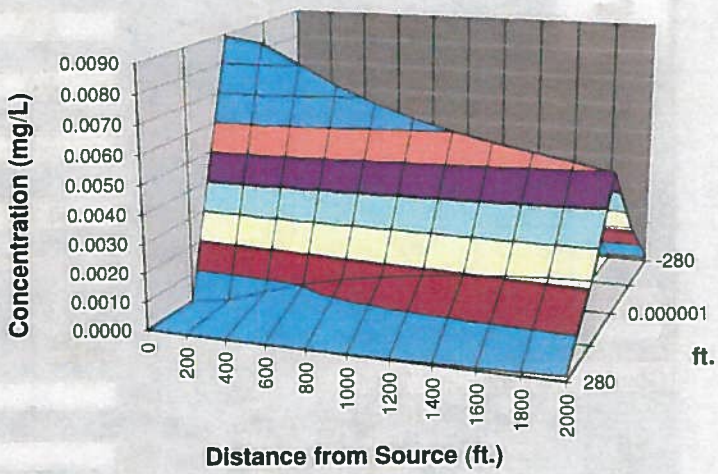
DISSOLVED SOLVENT CONCENTRATIONS IN PLUME

Transverse Distance (ft) \ Distance from Source (ft)	0	200	400	600	800	1000	1200	1400	1600	1800	2000
280	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140	0.000	0.000	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002
0	0.009	0.009	0.008	0.007	0.007	0.006	0.006	0.006	0.005	0.005	0.005
-140	0.000	0.000	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002
-280	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MASS RATE (mg/day)	1.8E+1	1.7E+1	1.7E+1	1.7E+1	1.8E+1	1.8E+1	1.8E+1	1.8E+1	1.8E+1	1.8E+1	1.8E+1

Show No

Show Biotransformation

Time: 10 yr Target Level: 0.070 mg/L Displayed Model: Biotransformation Displayed Compound: DCE



Plume Mass (Order-of-Magnitude Accuracy)

See Gallons

Plume Mass If No Degradation	0.0	(Kg)
- Plume Mass If Biotransformation Production	0.0	(Kg)
Mass Removed	0.0	(Kg)
% Biotransformed =	+0.3%	
% Change in Mass Rate =	-1.1 %	

If "Can't Calc" make model area larger

See acre-ft

Current Volume of Ground Water in Plume	0.52	MGal
Flow Rate of Water Through Source Area	0.001	MGD

Compare to Pump and Treat

Pumping Rate		(gpm)
# Pore Volumes Removed Per Yr.	0.00	
# Pore Volumes to Clean-Up		
Clean-Up Time		(yr)

Plot All Data Plot Data > Target Mass HELP To Centerline Return to Input

Start Here → ○ PCE ○ TCE ◉ DCE ○ VC ○ ETH

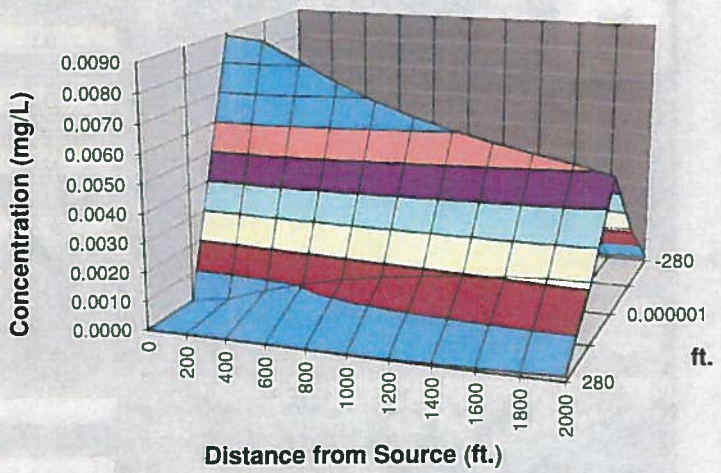
DISSOLVED SOLVENT CONCENTRATIONS IN PLUME

Transverse Distance (ft) \ Distance from Source (ft)	0	200	400	600	800	1000	1200	1400	1600	1800	2000
280	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140	0.000	0.000	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002
0	0.009	0.009	0.008	0.007	0.007	0.006	0.006	0.006	0.005	0.005	0.005
-140	0.000	0.000	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002
-280	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MASS RATE (mg/day)	1.8E+1	1.7E+1	1.7E+1	1.8E+1	1.8E+1	1.8E+1	1.8E+1	1.8E+1	1.8E+1	1.8E+1	1.8E+1

Show No

Show Biotransformation

Time: 10 yr Target Level: 0.070 mg/L Displayed Model: No Degradation Displayed Compound: DCE



Plume Mass (Order-of-Magnitude Accuracy)

See Gallons

Plume Mass If No Degradation	0.0	(Kg)
- Plume Mass If Biotransformation Production	0.0	(Kg)
Mass Removed	0.0	(Kg)
% Biotransformed =	+0.3%	
% Change in Mass Rate =	0.4 %	

If "Can't Calc" make model area longer

See acre-ft

Current Volume of Ground Water in Plume	0.52	MGal
Flow Rate of Water Through Source Area	0.001	MGD

Compare to Pump and Treat

Pumping Rate		(gpm)
# Pore Volumes Removed Per Yr.	0.00	
# Pore Volumes to Clean-Up		
Clean-Up Time		(yr)

Plot All Data Plot Data > Target Mass HELP To Centerline Return to Input

Start Here → PCE / TCE / DCE / VC / ETH

DISSOLVED SOLVENT CONCENTRATIONS IN PLUME

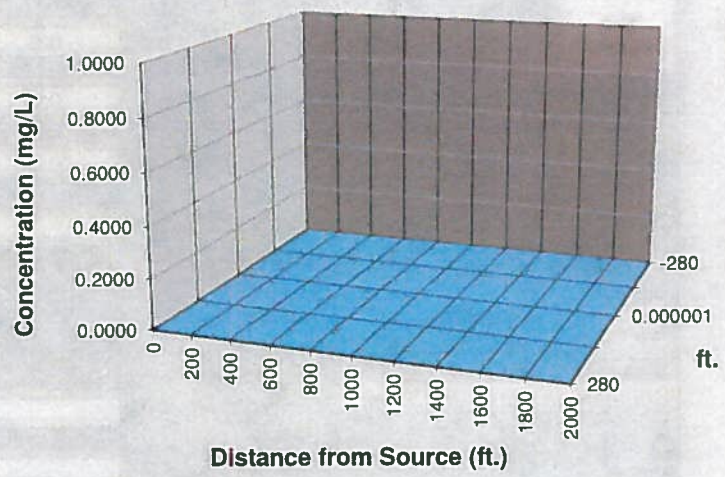
Transverse Distance (ft)	Distance from Source (ft) 0	200	400	600	800	1000	1200	1400	1600	1800	2000
280	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
-140	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
-280	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MASS RATE (mg/day)	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0

Show No

Show Biotransformation

Displayed Compound

Time: 100 yr Target Level: 0.002 mg/L Displayed Model: No Degradation VC



Plume Mass (Order-of-Magnitude Accuracy)

See Gallons

Plume Mass If No Degradation	0.0	(Kg)
- Plume Mass If Biotransformation/Production	0.0	(Kg)
Mass Removed	0.0	(Kg)
% Biotransformed =		
% Change in Mass Rate =		

If Can't Calc make model area bigger

See acre-ft

Current Volume of Ground Water in Plume	0.00	MGal
Flow Rate of Water Through Source Area	0.001	MGD

Compare to Pump and Treat

Pumping Rate		(gpm)
# Pore Volumes Removed Per Yr.	#DIV/0!	
# Pore Volumes to Clean-Up		
Clean-Up Time		(yr)

Plot All Data Plot Data > Target Mass HELP To Centerline Return to Input

Start Here → ○ PCE ○ TCE ○ DCE ◉ VC ○ ETH

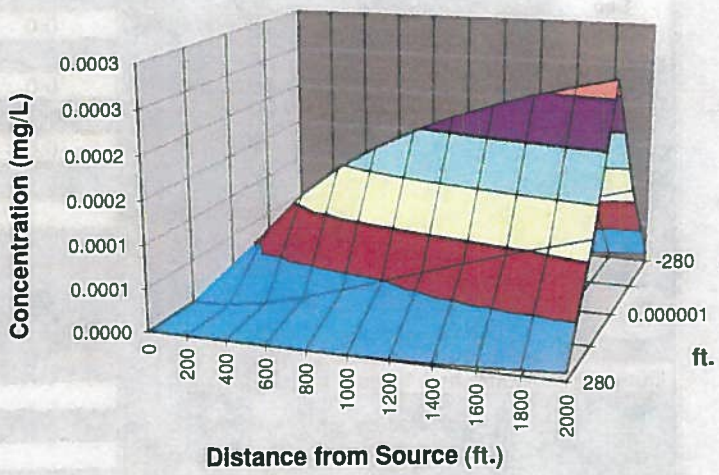
DISSOLVED SOLVENT CONCENTRATIONS IN PLUME

Transverse Distance (ft)	Distance from Source (ft) 0	200	400	600	800	1000	1200	1400	1600	1800	2000
280	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
-140	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
-280	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MASS RATE (mg/day)	6.3E-9	1.2E-1	2.3E-1	3.4E-1	4.5E-1	5.4E-1	6.4E-1	7.3E-1	8.1E-1	8.9E-1	9.7E-1

Show No

Show Biotransformation

Time: 100 yr Target Level: 0.002 mg/L Displayed Model: Biotransformation Displayed Compound: VC



Plume Mass (Order-of-Magnitude Accuracy)

See Gallons

Plume Mass If No Degradation	0.0	(Kg)
- Plume Mass If Biotransformation/Production	0.0	(Kg)
Mass Removed	0.0	(Kg)
% Biotransformed =		
% Change in Mass Rate =	##########	

If "Can't Calc" make model area longer

See acre-ft

Current Volume of Ground Water in Plume	0.00	MGal
Flow Rate of Water Through Source Area	0.001	MGD

Compare to Pump and Treat

Pumping Rate		(gpm)
# Pore Volumes Removed Per Yr.	#DIV/0!	
# Pore Volumes to Clean-Up		
Clean-Up Time		(yr)

Plot All Data Plot Data > Target Mass HELP To Centerline Return to Input

Start Here → ○ PCE ○ TCE ○ DCE ◉ VC ○ ETH

DISSOLVED SOLVENT CONCENTRATIONS IN PLUME

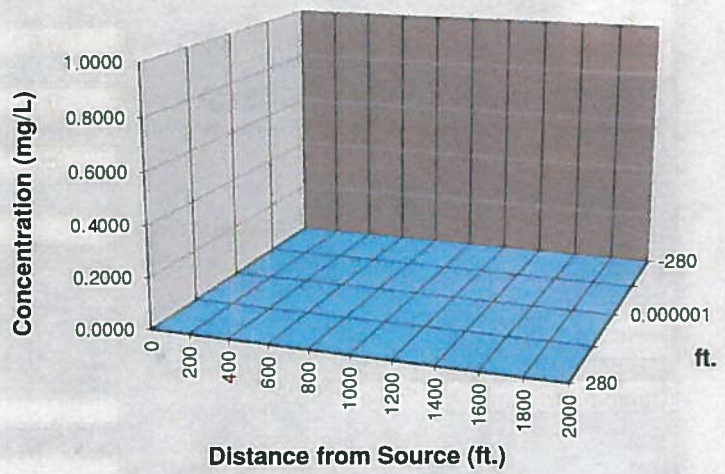
Transverse Distance (ft)	Distance from Source (ft) 0	200	400	600	800	1000	1200	1400	1600	1800	2000
280	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
-140	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
-280	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MASS RATE (mg/day)	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0

Show No

Show Biotransformation

Displayed Compound: VC

Time: 30 yr Target Level: 0.002 mg/L Displayed Model: No Degradation



Plume Mass (Order-of-Magnitude Accuracy)

See Gallons

Plume Mass If No Degradation	0.0	(Kg)
- Plume Mass If Biotransformation/Production	0.0	(Kg)
Mass Removed	0.0	(Kg)
% Biotransformed =		
% Change in Mass Rate =		

If "Can't Calc," make model area longer

See acre-ft

Current Volume of Ground Water in Plume	0.00	MGal
Flow Rate of Water Through Source Area	0.001	MGD

Compare to Pump and Treat

Pumping Rate		(gpm)
# Pore Volumes Removed Per Yr.	#DIV/0!	
# Pore Volumes to Clean-Up		
Clean-Up Time		(yr)

Plot All Data Plot Data > Target Mass HELP To Centerline Return to Input

Start Here → ○ PCE ○ TCE ○ DCE ◉ VC ○ ETH

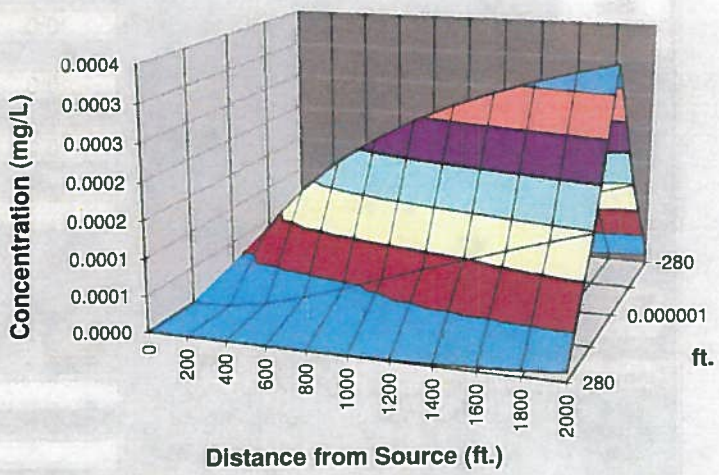
DISSOLVED SOLVENT CONCENTRATIONS IN PLUME

Transverse Distance (ft) \ Distance from Source (ft)	0	200	400	600	800	1000	1200	1400	1600	1800	2000
280	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
-140	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
-280	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MASS RATE (mg/day)	7.8E-9	1.4E-1	2.9E-1	4.3E-1	5.5E-1	6.8E-1	7.9E-1	9.0E-1	1.0E+0	1.1E+0	1.2E+0

Show No

Show Biotransformation

Time: 30 yr Target Level: 0.002 mg/L Displayed Model: Biotransformation Displayed Compound: VC



Plume Mass (Order-of-Magnitude Accuracy)

See Gallons

Plume Mass If No Degradation	0.0	(Kg)
- Plume Mass If Biotransformation/Production	0.0	(Kg)
Mass Removed	0.0	(Kg)
% Biotransformed =		
% Change in Mass Rate =	##########	

If "Can't Calc" make model area longer

See acre-ft

Current Volume of Ground Water in Plume	0.00	MGal
Flow Rate of Water Through Source Area	0.001	MGD

Compare to Pump and Treat

Pumping Rate		(gpm)
# Pore Volumes Removed Per Yr.	#DIV/0!	
# Pore Volumes to Clean-Up		
Clean-Up Time		(yr)

Plot All Data Plot Data > Target Mass HELP To Centerline Return to Input

Start Here → ○ PCE ○ TCE ○ DCE ◉ VC ○ ETH

DISSOLVED SOLVENT CONCENTRATIONS IN PLUME

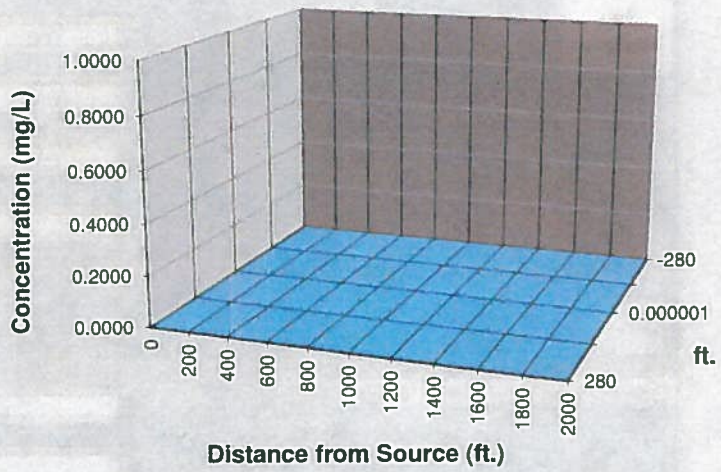
Transverse Distance (ft)	Distance from Source (ft) 0	200	400	600	800	1000	1200	1400	1600	1800	2000
280	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
-140	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
-280	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MASS RATE (mg/day)	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0

Show No

Show Biotransformation

Displayed Compound: VC

Time: 10 yr Target Level: 0.002 mg/L Displayed Model: No Degradation



Plume Mass (Order-of-Magnitude Accuracy)

See Gallons

Plume Mass If No Degradation	0.0	(Kg)
- Plume Mass If Biotransformation Production	0.0	(Kg)
Mass Removed	0.0	(Kg)
% Biotransformed =		
% Change in Mass Rate =		

If Can't Calc, make model area longer

See acre-ft

Current Volume of Ground Water in Plume	0.00	MGal
Flow Rate of Water Through Source Area	0.001	MGD

Compare to Pump and Treat

Pumping Rate		(gpm)
# Pore Volumes Removed Per Yr.	#DIV/0!	
# Pore Volumes to Clean Up		
Clean Up Time		(yr)

Plot All Data Plot Data > Target Mass HELP To Centerline Return to Input

Start Here → ○ PCE ○ TCE ○ DCE ◉ VC ○ ETH

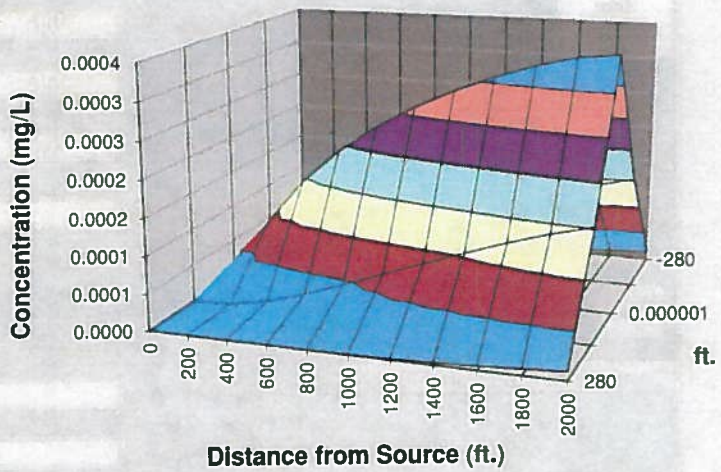
DISSOLVED SOLVENT CONCENTRATIONS IN PLUME

Transverse Distance (ft) \ Distance from Source (ft)	0	200	400	600	800	1000	1200	1400	1600	1800	2000
280	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
-140	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
-280	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MASS RATE (mg/day)	8.3E-9	1.5E-1	3.1E-1	4.5E-1	5.9E-1	7.2E-1	8.4E-1	9.6E-1	1.1E+0	1.2E+0	1.2E+0

Show No

Show Biotransformation

Time: 10 yr Target Level: 0.002 mg/L Displayed Model: Biotransformation Displayed Compound: VC



Plume Mass (Order-of-Magnitude Accuracy)

See Gallons

Plume Mass If No Degradation	0.0	(Kg)
- Plume Mass If Biotransformation Production	0.0	(Kg)
Mass Removed	0.0	(Kg)
% Biotransformed =		
% Change in Mass Rate =	##########	

If "Can't Calc" make model area longer

See acre-ft

Current Volume of Ground Water in Plume	0.00	MGal
Flow Rate of Water Through Source Area	0.001	MGD

Compare to Pump and Treat

Pumping Rate		(gpm)
# Pore Volumes Removed Per Yr.	#DIV/0!	
# Pore Volumes to Clean-Up		
Clean-Up Time		(yr)

Plot All Data Plot Data > Target Mass HELP To Centerline Return to Input

Start Here → ○ PCE
○ TCE
◉ DCE
○ VC
○ ETH

DISSOLVED SOLVENT CONCENTRATIONS IN PLUME

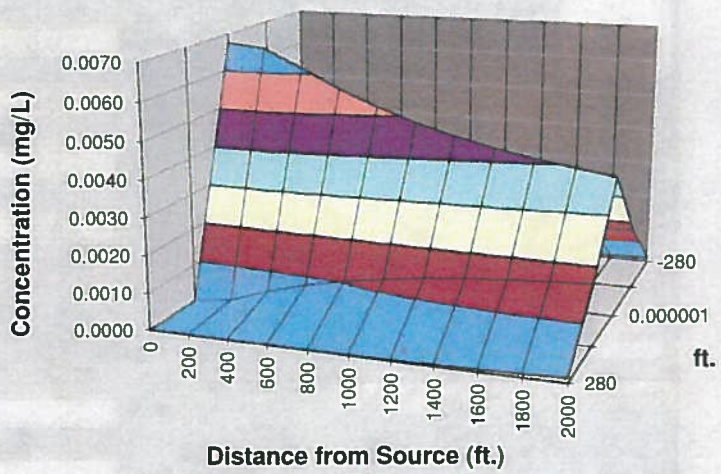
Transverse Distance (ft)	Distance from Source (ft) 0	200	400	600	800	1000	1200	1400	1600	1800	2000
280	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002
0	0.007	0.007	0.006	0.006	0.005	0.005	0.005	0.004	0.004	0.004	0.004
-140	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002
-280	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MASS RATE (mg/day)	1.3E+1	1.3E+1	1.3E+1	1.3E+1	1.3E+1	1.3E+1	1.3E+1	1.4E+1	1.4E+1	1.4E+1	1.4E+1

Show No

Show Biotransformation

Displayed Compound: DCE

Time: 100 yr Target Level: 0.070 mg/L Displayed Model: No Degradation



Plume Mass (Order-of-Magnitude Accuracy)

See Gallons

Plume Mass If No Degradation	0.0	(Kg)
- Plume Mass If Biotransformation/Production	0.0	(Kg)
Mass Removed	0.0	(Kg)
% Biotransformed =	+0.3%	
% Change in Mass Rate =	-2.3 %	

See acre-ft

Current Volume of Ground Water in Plume	0.26	MGal
Flow Rate of Water Through Source Area	0.001	MGD

Compare to Pump and Treat

Pumping Rate		(gpm)
# Pore Volumes Removed Per Yr.	0.00	
# Pore Volumes to Clean-Up		
Clean-Up Time		(yr)

Plot All Data Plot Data > Target Mass HELP To Centerline Return to Input

Start Here → ○ PCE ○ TCE ◉ DCE ○ VC ○ ETH

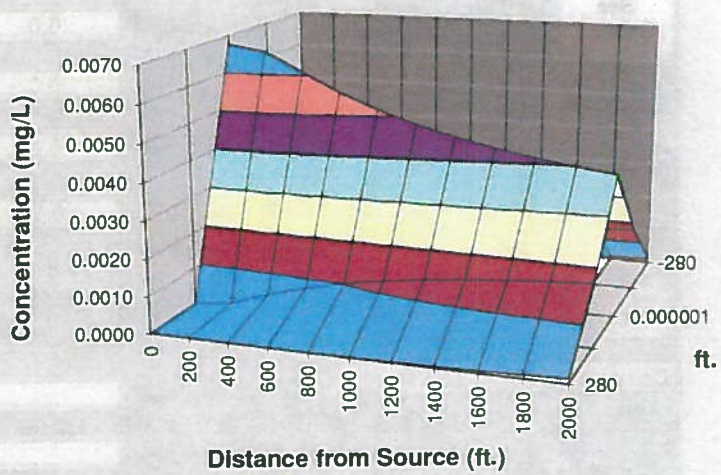
DISSOLVED SOLVENT CONCENTRATIONS IN PLUME

Transverse Distance (ft)	Distance from Source (ft) 0	200	400	600	800	1000	1200	1400	1600	1800	2000
280	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002
0	0.007	0.007	0.006	0.006	0.005	0.005	0.005	0.004	0.004	0.004	0.004
-140	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002
-280	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MASS RATE (mg/day)	1.3E+1	1.3E+1	1.3E+1	1.3E+1	1.3E+1	1.3E+1	1.3E+1	1.4E+1	1.4E+1	1.4E+1	1.4E+1

Show No

Show Biotransformation

Time: 100 yr Target Level: 0.070 mg/L Displayed Model: Biotransformation Displayed Compound: DCE



Plume Mass (Order-of-Magnitude Accuracy)

See Gallons

Plume Mass If No Degradation	0.0	(Kg)
- Plume Mass If Biotransformation Production	0.0	(Kg)
Mass Removed	0.0	(Kg)
% Biotransformed =	+0.3%	
% Change in Mass Rate =	-3.9 %	

If Can't Calc. make model area longer

See acre-ft

Current Volume of Ground Water in Plume	0.26	MGal
Flow Rate of Water Through Source Area	0.001	MGD

Compare to Pump and Treat

Pumping Rate		(gpm)
# Pore Volumes Removed Per Yr.	0.00	
# Pore Volumes to Clean-Up		
Clean-Up Time		(yr)

Plot All Data Plot Data > Target Mass HELP To Centerline Return to Input

Start Here → ○ PCE ○ TCE ◉ DCE ○ VC ○ ETH

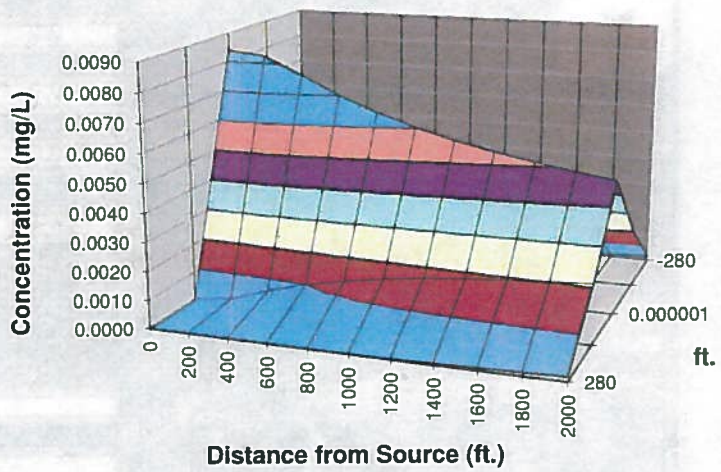
DISSOLVED SOLVENT CONCENTRATIONS IN PLUME

Transverse Distance (ft) ↓ / Distance from Source (ft) →	0	200	400	600	800	1000	1200	1400	1600	1800	2000
280	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140	0.000	0.000	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002
0	0.008	0.008	0.008	0.007	0.006	0.006	0.006	0.005	0.005	0.005	0.005
-140	0.000	0.000	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002
-280	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MASS RATE (mg/day)	1.7E+1	1.6E+1	1.6E+1	1.7E+1	1.7E+1	1.7E+1	1.7E+1	1.7E+1	1.7E+1	1.7E+1	1.7E+1

Show No

Show Biotransformation

Time: 30 yr Target Level: 0.070 mg/L Displayed Model: No Degradation Displayed Compound: DCE



Plume Mass (Order-of-Magnitude Accuracy)

See Gallons

Plume Mass If No Degradation	0.0	(Kg)
- Plume Mass If Biotransformation/Production	0.0	(Kg)
Mass Removed	0.0	(Kg)
% Biotransformed =	+0.3%	
% Change in Mass Rate =	-2.3 %	

If "Can't Calc" make model area longer

See acre-ft

Current Volume of Ground Water in Plume	0.47	MGal
Flow Rate of Water Through Source Area	0.001	MGD

Compare to Pump and Treat

Pumping Rate		(gpm)
# Pore Volumes Removed Per Yr.	0.00	
# Pore Volumes to Clean-Up		
Clean-Up Time		(yr)

Plot All Data Plot Data > Target Mass HELP To Centerline Return to Input

Start Here → ○ PCE ○ TCE ◉ DCE ○ VC ○ ETH

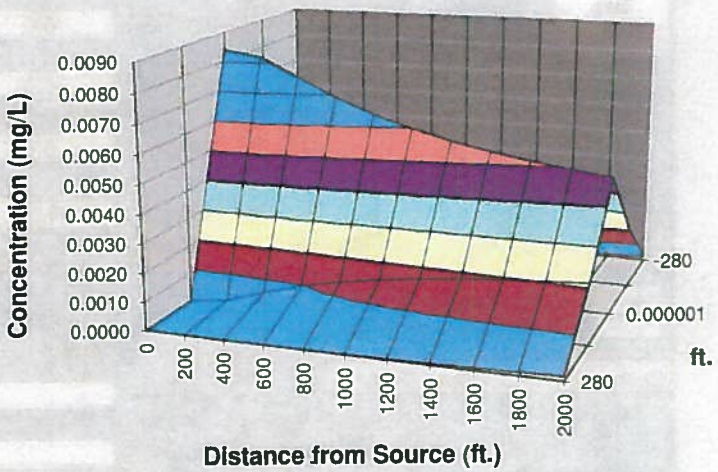
DISSOLVED SOLVENT CONCENTRATIONS IN PLUME

Transverse Distance (ft) \ Distance from Source (ft)	0	200	400	600	800	1000	1200	1400	1600	1800	2000
280	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140	0.000	0.000	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002
0	0.008	0.008	0.008	0.007	0.006	0.006	0.006	0.005	0.005	0.005	0.005
-140	0.000	0.000	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002
-280	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MASS RATE (mg/day)	1.7E+1	1.6E+1	1.6E+1	1.6E+1	1.6E+1	1.7E+1	1.7E+1	1.7E+1	1.7E+1	1.7E+1	1.7E+1

Show No

Show Biotransformation

Time: 30 yr Target Level: 0.070 mg/L Displayed Model: Biotransformation Displayed Compound: DCE



Plume Mass (Order-of-Magnitude Accuracy)

See Gallons

Plume Mass If No Degradation	0.0	(Kg)
- Plume Mass If Biotransformation Production	0.0	(Kg)
Mass Removed	0.0	(Kg)
% Biotransformed =	+0.3%	
% Change in Mass Rate =	-3.9 %	

If "Can't Calc" make model area longer

See acre-ft

Current Volume of Ground Water in Plume	0.47	MGal
Flow Rate of Water Through Source Area	0.001	MGD

Compare to Pump and Treat

Pumping Rate		(gpm)
# Pore Volumes Removed Per Yr.	0.00	
# Pore Volumes to Clean-Up		
Clean-Up Time		(yr)

Plot All Data Plot Data > Target Mass HELP To Centerline Return to Input