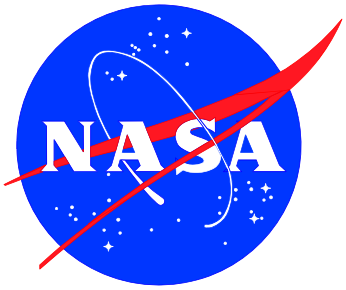
WILSON CORNERS
SWMU 001
2015 ANNUAL LONG TERM MONITORING REPORT
KENNEDY SPACE CENTER, FLORIDA

Prepared for:



National Aeronautics and Space Administration
Kennedy Space Center, Florida

July 2016
Revision: 0

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CERTIFICATION AND APPROVAL

Based on the information contained in the attached document titled *Wilson Corners, SWMU 001, 2015 Annual Long Term Monitoring Report, Kennedy Space Center, Florida* dated July 2016; I hereby certify that the scope of work described in the above-referenced document was performed using appropriate hydrogeologic and engineering standards of practices.

7/20/16

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ABBREVIATIONS AND ACRONYMS

ALS	ALS Environmental
BLS	below land surface
cDCE	*cis*-1,2-dichloroethene
DO	dissolved oxygen
DPT	direct push technology
FDEP	Florida Department of Environmental Protection
ft	feet
ft/ft	feet elevation per foot horizontal distance
GCTL	groundwater cleanup target level
Geosyntec	Geosyntec Consultants
IM	Interim Measures
KSC	Kennedy Space Center
LTM	long-term monitoring
LTTD	low temperature thermal desorption
µg/L	micrograms per liter
mV	milliVolts
NADC	natural attenuation default concentration
NASA	National Aeronautics and Space Administration
ORP	oxidation-reduction potential
lbs	pounds
P&T	pump and treat
PDB	passive diffusion bag
RCRA	Resource Conservation and Recovery Act
RIS	Remediation Information System
SOP	standard operating procedure
SU	Standard units
SWMU	solid waste management unit
TCE	trichloroethene
USGS	United States Geological Survey
VC	vinyl chloride
VOC	volatile organic compound

EXECUTIVE SUMMARY

This document presents the findings of the 2015 Long Term Monitoring (LTM) that was completed at the Wilson Corners site, located at the National Aeronautics and Space Administration John F. Kennedy Space Center, Florida. The objectives of the 2015 LTM event were to evaluate the groundwater flow direction and gradient, to monitor the vertical and horizontal extent of the volatile organic compounds (VOCs; including the upgradient and sidegradient extents, which are monitored every five years), and to monitor select locations internal to the dissolved groundwater plume. The 2015 LTM event included several upgradient and sidegradient monitoring wells that are not sampled annually to verify the extent of VOCs in this portion of the site.

The December 2015 LTM groundwater sampling event included, depth to groundwater measurements, 40 VOC samples collected using passive diffusion bags, and one VOC sample collected using low-flow techniques. Additionally, monitoring well MW0052DD was overdrilled and abandoned using rotasonic drilling techniques.

The following conclusions can be made based on the 2015 LTM results:

- groundwater flow is generally to the west with northwest and southwest flow components from the water table to approximately 55 feet below land surface (ft BLS);
- peripheral monitoring wells generally delineate VOCs to groundwater cleanup target levels (GCTLs) except for monitoring wells MW0088, MW0090, MW0095, and NPSH-MW0039, which had vinyl chloride (VC) concentrations near the GCTL and MW0062, which had trichloroethene (TCE), *cis*-1,2-dichloroethenen (cDCE), and VC concentrations above natural attenuation default concentrations (NADCs);
- VOCs in interior downgradient wells generally fluctuate within historic ranges except for monitoring wells in the north-northwest portion of the site, which have increasing VC concentrations indicating potential plume migration and expansion;
- Historically, the vertical extents of the VOCs were delineated by monitoring wells screened greater than 60 ft BLS (MW0083 through MW0086, and MW0078). The 2015 LTM results indicate that concentrations of daughter product cDCE is greater than the NADC in MW0078 and that cDCE and VC are greater than NADCs in MW0130. TCE was greater than the GCTL in monitoring well MW130 and not detected above method detection limits (9 micrograms per Liter) in monitoring well MW0078. No GCTL exceedances were identified in monitoring wells MW0083 or MW0086;

- the dissolved plume footprint appears generally stable, though not fully delineated by monitoring well data in the northeast portion of the site; and
- 2015 LTM results generally support the existing Conceptual Site Model.

Geosyntec recommends modifying the LTM program, collecting a verification sample from monitoring well MW0062, and performing a direct push technology instigation in the north-northeastern portion of the site. A cluster of monitoring wells (MW0132 [2 to 12 ft BLS], MW0133 [15 to 25 ft BLS], and MW0134 [29 to 34 ft BLS]) is proposed to delineate impacts in the north-northeast portion of the site. Geosyntec recommends installation of a vertical extent well in the center of the site (Hot Spot 2 area) post-remediation implementation.

SECTION I

INTRODUCTION

1.1 OVERVIEW

This document summarizes field activities and presents the results of the 2015 Long Term Monitoring (LTM) activities conducted at the Wilson Corners site, located at the National Aeronautics and Space Administration (NASA) John F. Kennedy Space Center (KSC), Florida. This facility has been designated Solid Waste Management Unit (SWMU) Number 001 under the KSC Resource Conservation and Recovery Act (RCRA) Corrective Action program. This document was prepared by Geosyntec Consultants (Geosyntec) for NASA under contract number NNK12CA13B/NNK14CA20T.

1.2 FACILITY LOCATION

The Wilson Corners site is situated on Merritt Island at the northernmost extent of KSC, in Brevard County on the east coast of Florida (Figure 1-1). The currently vacant site is located within Section 22 of Township 21S, Range 36E, as shown on the United States Geological Survey 7.5-minute Wilson topographic Quadrangle Map (Figure 1-2). The site is located west of Kennedy Parkway/State Road 3 and north of Beach Road/State Road 402.

1.3 BACKGROUND

The Propellant Systems Components Laboratory facility was previously located at the site and trichloroethene (TCE) was stored, used, and disposed at the facility. Site assessment activities were first conducted during the 1980s, identifying TCE impacts to soil and groundwater and recommending groundwater remediation using pump and treat (P&T). P&T was implemented in 1989 and the system continued to operate until 1999. During this time period, the system extracted and treated over 100 million gallons of groundwater, removing over 800 gallons of equivalent TCE (9,700 pounds [lbs]), and provided hydraulic control of the dissolved plume. The P&T system was shut down because (i) it was near the end of its useful life and was going to require costly replacement of the mechanical equipment, piping runs, and electrical systems, and (ii) because groundwater concentrations had become asymptotic over the last three to five years of operation, suggesting the presence of a residual source area(s).

In December 1999, following P&T system shut down, a source area investigation was implemented. Between 2000 and 2001, an extensive source area investigation was conducted, which included the performance of over 170 soil borings and the collection of over 500 saturated

zone soil samples, in addition to direct push technology (DPT) groundwater sampling. Interim Measures (IMs) were implemented in phases to address the identified soil and groundwater impacts. Phase I, conducted from 2003 through 2004, involved large scale shallow source area excavation with low temperature thermal desorption (LTTD) treatment of over 16,000 tons of excavated soil. The Phase I IM resulted in the treatment of an estimated 3,500 to 4,000 lbs of TCE. Phase II, initiated in 2004 involved limited deep zone "hot spot" sodium permanganate injection, followed by staggered ethyl lactate biostimulation. Following the excavation and LTTD treatment, long term monitoring was initiated to assess concentrations of volatile organic compounds (VOCs) in select monitoring wells within the VOC plume and to monitor the boundaries of the plume.

The central portion of the site is broken into four general areas where elevated VOC concentrations (greater than 10 times the Florida Department of Environmental Protection [FDEP] Natural Attenuation Default Concentrations [NADCs]) have been identified (Figure 1-3): (i) Former Cleaning Tower Area – Hot Spot 1, (ii) Former Laboratory and Above Ground Storage Tanks – Hot Spot 2, (iii) Former Spray Field Area – Hot Spot 3, and (iv) Former Paint and Oil Locker – Hot Spot 4. Hot Spots 1, 2, and part of Hot Spot 4 are areas where excavation of source material sorbed to the organic layer and treatment of soil from land surface to a maximum depth of 14 feet below land surface (ft BLS) was previously performed. In addition, Hot Spot 2 is located in the area where limited deep zone groundwater treatment via chemical oxidation (2004), biostimulation (2004) and limited P&T (2006 through 2007) were performed. Implementation of large diameter auger treatment with steam and zero valent iron injection was completed in 2014 and early 2015 in Hot Spot 1. Remedial alternatives evaluations for the Hot Spot 2 and Hot Spot 4 areas are being prepared following additional DPT assessment performed in December 2015 and March 2016. While additional assessment activities are occurring, the remainder of the site is being monitored by an LTM program.

The goal of the LTM program is to annually evaluate groundwater flow direction and gradient and to monitor vertical and downgradient monitoring wells only (wells that are downgradient of the central portion of the site where additional assessment activities are occurring). Every five years, upgradient and sidegradient monitoring wells are also sampled to verify delineation in those areas (performed in 2015). Results of the 2015 annual LTM activities, the proposed 2016 annual LTM plan, and a proposed 2020 five-year LTM (to be modified based on the 2016 through 2019 LTM results) were presented and approved at the April 2016 NASA Remediation Team Meeting. Meeting minutes and decisions are included in Appendix A.

1.4 PURPOSE

The purpose of this report is to present the field activities and results of the December 2015 groundwater LTM event and monitoring well abandonment activities performed at the site. Additionally, this report provides recommendations for future assessment and monitoring activities.

1.5 REPORT ORGANIZATION

The remainder of this report is organized as follows:

Section II: *Field Activities.* This section describes the methodology used for the 2015 LTM activities and monitoring well abandonment.

Section III: *Results.* This section summarizes the results of the 2015 LTM.

Section IV: *Recommendations.* This section presents recommendations for future activities at the site.

Section V: *References.* This section provides a listing of the documents used in developing this report.

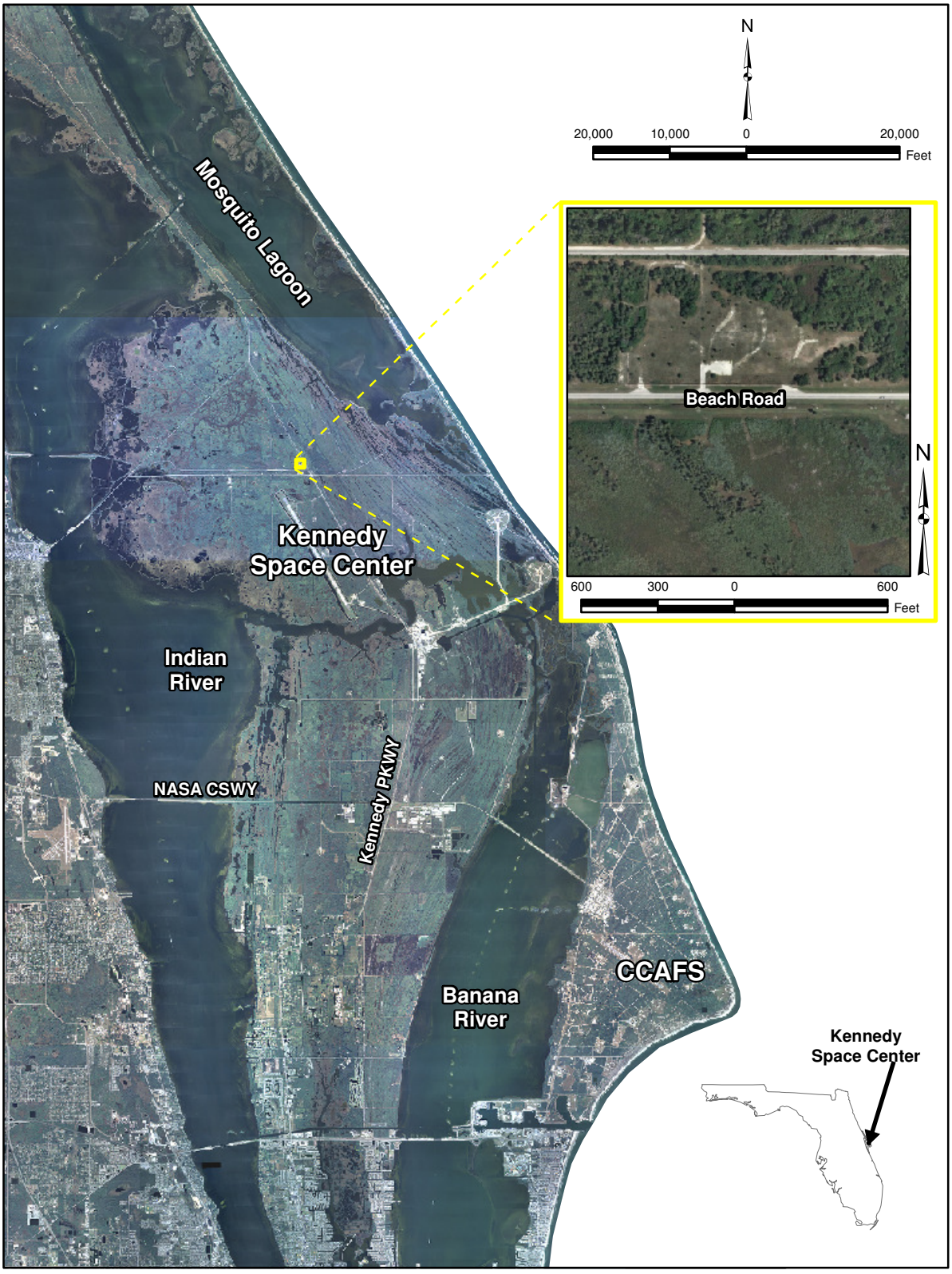

Figure 1-1
Wilson Corners Location Map

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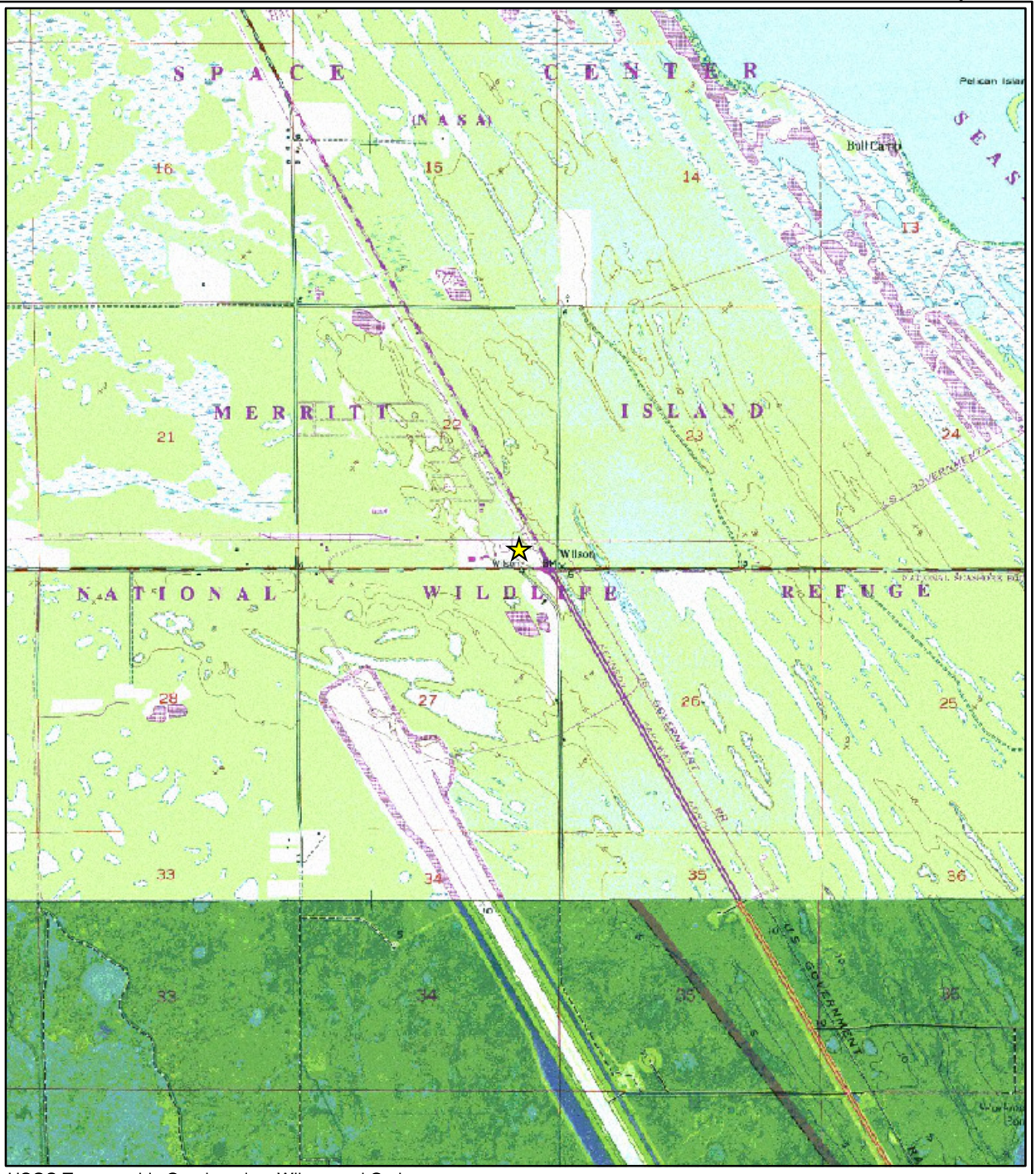

USGS Topographic Quadrangles: Wilson and Orsino

Figure 1-2
USGS Topographic Quadrangle Map

Legend

☆ Site Location

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3,200 1,600 0 3,200
Feet

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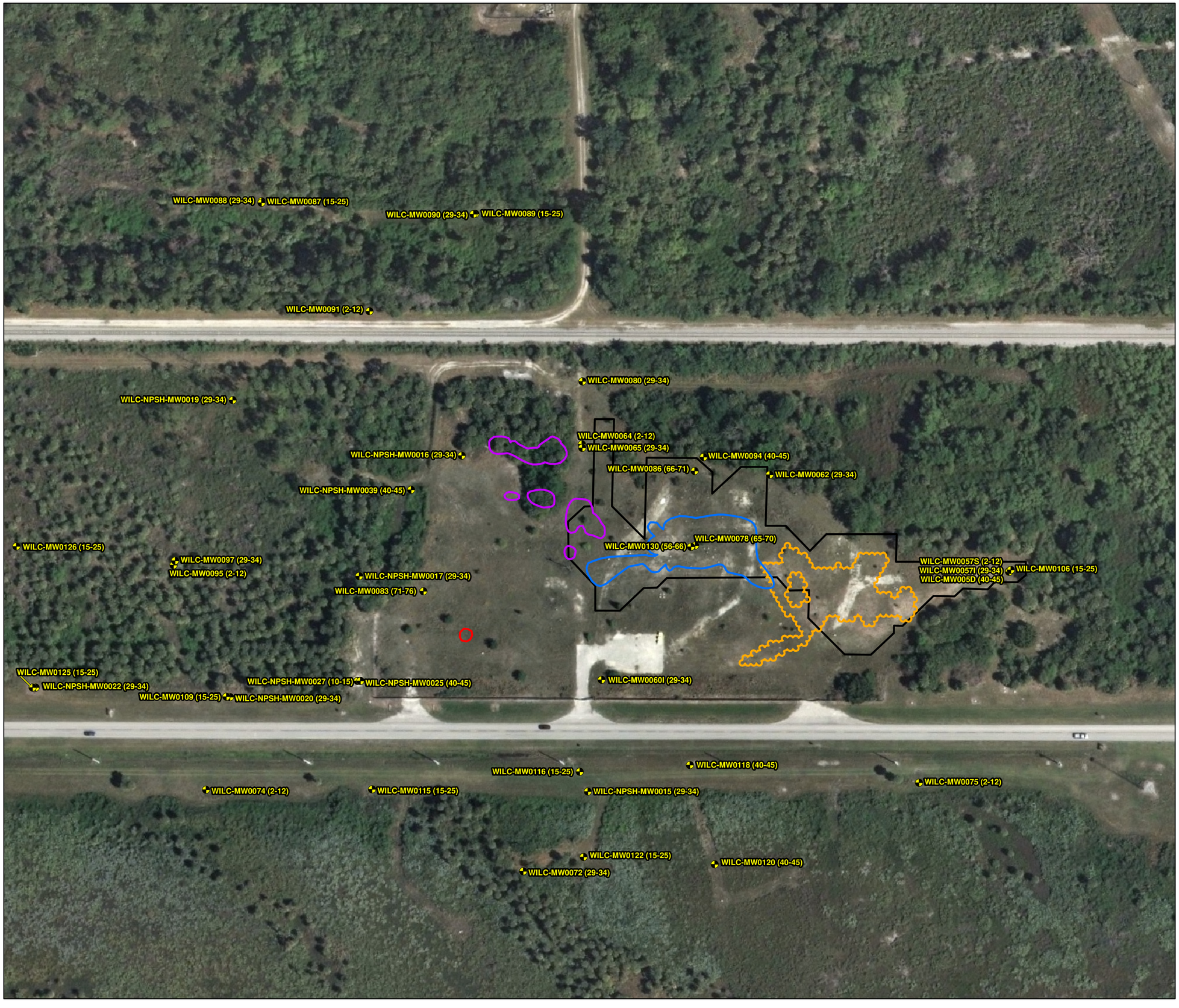

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Figure 1-3
2015 LTM Network and Hot Spot Areas
1-9/1-10

SECTION II

FIELD ACTIVITIES

2.1 OVERVIEW

The location of all site monitoring wells is presented on Figure 2-1. The 2015 LTM sampling plan is presented in Table 2-1 and the location of the wells that were sampled as part of the 2015 LTM are presented on Figure 1-3. The 2015 LTM sampling locations, techniques, and parameters were approved by the NASA remediation team at the April 2015 meeting (decision item 1504–D68) and were presented in the 2014 Annual LTM Report [NASA 2015]. Monitoring well MW0052DD was overdrilled and abandoned using rotasonic drilling techniques per the April 2015 meeting (decision item 1504–D69). The December 2015 groundwater LTM event utilized passive diffusion bag (PDB) sampling at all monitoring wells except MW0130, which utilized low flow purging and sampling activities conducted in general accordance with the FDEP standard operating procedures (SOPs) [FDEP 2014] and the KSC Sampling and Analysis Plan [NASA 2011b].

Field forms are provided in Appendix B, the laboratory analytical data is included in Appendix C, and Remediation Information System (RIS) Completion Tickets are included in Appendix D.

Investigation derived waste, comprised of purge and decontamination fluids, was added to the December 2015 DPT investigation waste, which was containerized in 55-gallon drums, labeled and barcoded, and stored on NASA-provided spill pallets until properly disposed of by NASA.

2.2 DEPTH TO GROUNDWATER MEASUREMENTS

Depth to groundwater measurements were collected from select monitoring wells to assess groundwater flow direction and gradient. The annual LTM event depth to groundwater measurements were collected on 24 November 2015 (Table 2-2). Measurements were made with an electronic measuring tape that was decontaminated in general accordance with FDEP SOPs [FDEP 2014] between monitoring wells.

2.3 ANNUAL GROUNDWATER LTM SAMPLING

The LTM event included the collection of groundwater samples from 41 monitoring wells for analysis of VOCs by Environmental Protection Agency Method 8260B. VOC samples were submitted under chain-of-custody protocol to ALS Environmental (ALS) of Jacksonville, Florida for analysis. ALS is certified under the National Environmental Laboratory Accreditation Conference, Department of Health Certification Number E82502.

2015 LTM groundwater samples were collected using PDBs and low flow sampling methods. PDBs were deployed for a minimum of two weeks prior to sample collection (per manufacturer recommendations). The deployment time allows VOCs to diffuse across the PDB into the analyte-free water within the PDB and achieve equilibrium conditions with the surrounding aquifer. During the 2015 LTM event, 40 PDBs were deployed on 24 November 2015 by lowering to and securing at the approximate midpoint of the well screen for submerged screen intervals and the midpoint of the water column for partially submerged screen intervals. The PDBs were recovered and samples were collected on 15 and 16 December 2016, and one sample was collected from monitoring well MW0130 using low flow techniques on 15 December 2015.

In addition to MW0130 sample collection using low-flow sampling techniques, field geochemical parameters were collected. The monitoring well was purged and the following parameters were recorded at regular intervals: pH (standard units [SU]); conductivity (milliSiemens per centimeter); temperature (degrees Celsius); dissolved oxygen (DO; milligrams per liter); oxidation-reduction potential (ORP, milliVolts [mV]); and turbidity (nephelometric turbidity units).

2.4 MONITORING WELL OVERDRILL AND ABANDONMENT

Monitoring well MW0052DD historically exhibited fluctuating concentrations of VOCs above NADCs since 2004. Evaluation of the well construction detail [NASA 2008] revealed that the outer casing may not have been installed deep enough to intersect the clay layer, which may allow vertical migration of VOCs through the filter pack. On 14 December 2015 monitoring well MW0052DD (55 to 65 ft BLS), including its outer casing, was overdrilled to 66 ft BLS with 10-inch diameter drill-casing and abandoned using rotasonic drilling techniques.

Table 2-1. 2015 LTM Plan
Wilson Corners, SWMU 001

Monitoring Well	Screened Interval (ft BLS)	Rationale
2 to 15 ft BLS		
NPSH-MW0027	10 to 15	Southwestern Downgradient Well
MW0057S	2 to 12	5 Year Sample Location: East
MW0064	2 to 12	Provides downgradient data north of Hot Spot 2 and east of Hot Spot 4 Areas
MW0074	2 to 12	Southwestern Peripheral Well
MW0075	2 to 12	5 Year Sample Location: Southeast
MW0091	2 to 12	Northwestern Peripheral Well
MW0095	2 to 12	Western Peripheral Well
15 to 25 ft BLS		
MW0087	15 to 25	Northwestern Peripheral Well
MW0089	15 to 25	Provides downgradient data north of the Site
MW0106	15 to 25	5 Year Sample Location: East
MW0109	15 to 25	Southwestern Downgradient Well
MW0115	15 to 25	Southwestern Peripheral Well
MW0116	15 to 25	Southern Downgradient Well
MW0122	15 to 25	Southern Peripheral Well
MW0125	15 to 25	Western Peripheral Well
MW0126	15 to 25	Western Peripheral Well
28 to 38 ft BLS		
NPSH-MW0015	29 to 34	5 Year Sample Location: South
NPSH-MW0016	29 to 34	Northwestern Downgradient Well
NPSH-MW0017	29 to 34	Western Downgradient Well
NPSH-MW0019	29 to 34	Western Peripheral Well
NPSH-MW0020	29 to 34	Southwestern Downgradient Well
NPSH-MW0022	29 to 34	Southwestern Peripheral Well
MW0057I	29 to 34	5 Year Sample Location: East
MW0060I	29 to 34	5 Year Sample Location: South NADC Plume
MW0062	29 to 34	5 Year Sample Location: North
MW0065	29 to 34	North-Central Well
MW0072	29 to 34	Southern Peripheral Well
MW0080	29 to 34	North-Central Well
MW0088	29 to 34	Northwestern Peripheral Well
MW0090	29 to 34	Northern Peripheral Well
MW0097	29 to 34	Western Peripheral Well
38 to 55 ft BLS		
NPSH-MW0025	40 to 45	Western Downgradient Well
NPSH-MW0039	40 to 45	Western Peripheral Well
MW0057D	40 to 45	5 Year Sample Location: East
MW0094	40 to 45	5 Year Sample Location: North
MW0118	40 to 45	Southern Downgradient Well
MW0120	40 to 45	Replaces Destroyed Southern Peripheral Well

Table 2-1. 2015 LTM Plan
Wilson Corners, SWMU 001

Monitoring Well	Screened Interval (ft BLS)	Rationale
Greater than 55 ft BLS		
MW0078	65 to 70	Vertical Peripheral Well
MW0083	71 to 76	Vertical/Western Peripheral Well
MW0086	66 to 71	Vertical/Nothern Peripheral Well
MW0130	56 to 66	Low Flow Sample Vertically Beneath the Clay Layer in Hot Spot 2 Area

Notes:

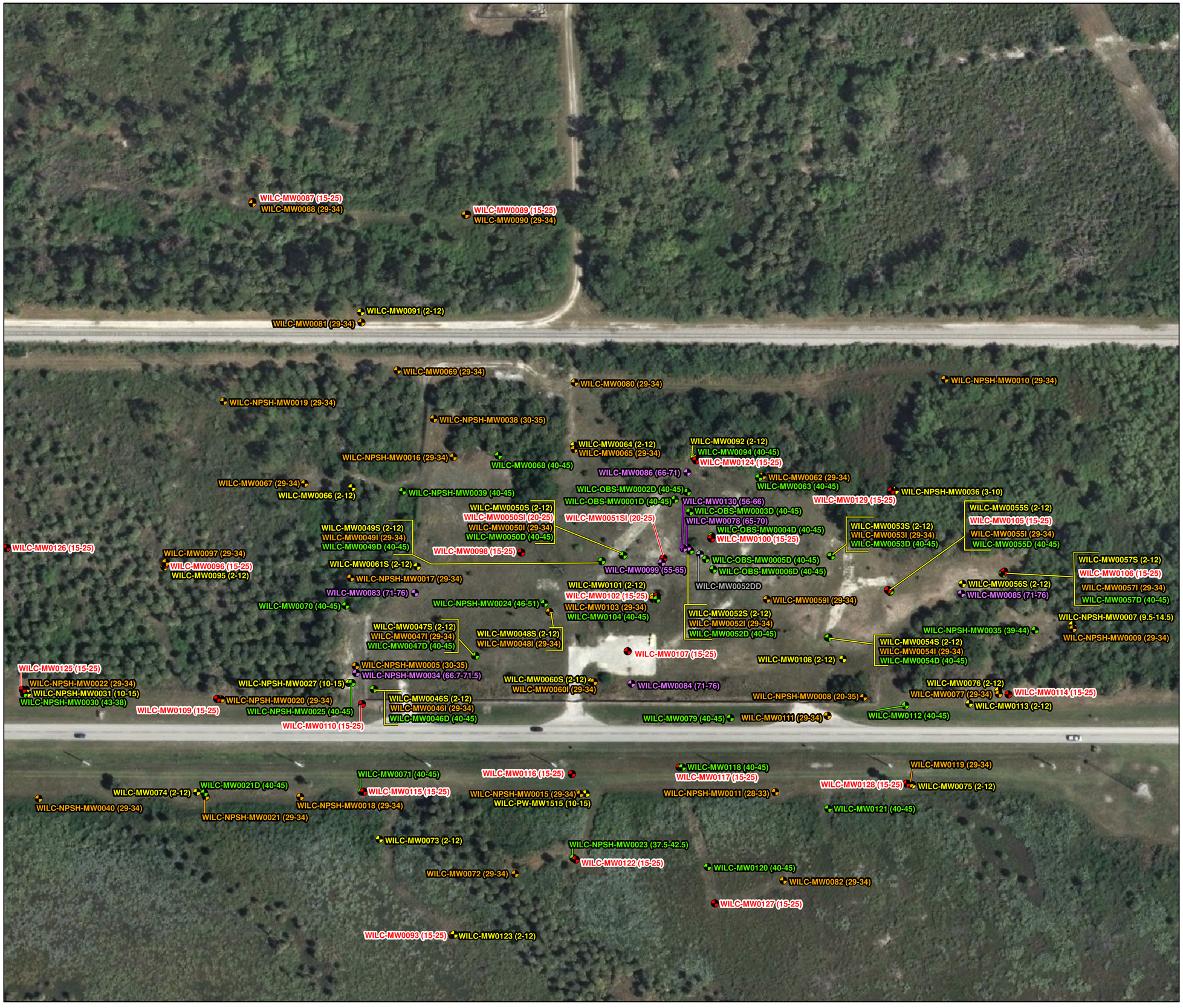
1. All samples will be analyzed for volatile organic compounds (VOCs) by EPA Method 8260B.
2. ft BLS indicates feet below land surface.
3. LTM indicates long term monitoring.

Table 2-2. Groundwater Elevations
Wilson Corners, SWMU 001

			11/24/2015	
Monitoring Well	**Screened Interval (ft BLS)**	**TOC Elevation (ft NGVD88)**	**Water Level (ft BTOC)**	**Groundwater Elevation (ft NGVD88)**
2 to 15 ft BLS				
MW0057S	2 to 12	7.55	3.17	4.38
NPSH-MW0027	10 to 15	4.93	5.33	-0.40
MW0064	2 to 12	7.04	4.81	2.23
MW0074	2 to 12	6.48	4.70	1.78
MW0075	2 to 12	7.16	4.69	2.47
MW0091	2 to 12	7.09	4.89	2.20
MW0095	2 to 12	6.22	4.46	1.76
15 to 25 ft BLS				
MW0087	15 to 25	8.24	6.50	1.74
MW0089	15 to 25	8.26	6.35	1.91
MW0106	15 to 25	8.91	6.75	2.16
MW0109	15 to 25	7.12	5.35	1.77
MW0115	15 to 25	7.17	5.36	1.81
MW0116	15 to 25	7.73	5.70	2.03
MW0122	15 to 25	7.00	4.96	2.04
MW0125	15 to 25	7.06	5.34	1.72
MW0126	15 to 25	7.99	6.29	1.70
28 to 38 ft BLS				
NPSH-MW0015[(5)]	29 to 34	See Note 5	3.10[(5)]	See Note 5
NPSH-MW0016	29 to 34	6.72	4.72	2.00
NPSH-MW0017	29 to 34	5.18	3.10	2.08
NPSH-MW0019	29 to 34	5.81	4.09	1.72
NPSH-MW0020	29 to 34	6.88	5.19	1.69
NPSH-MW0022	29 to 34	5.29	3.62	1.67
MW0057I	29 to 34	7.90	5.74	2.16
MW0060I	29 to 34	8.36	6.34	2.02
MW0062	29 to 34	7.04	5.00	2.04
MW0065	29 to 34	7.39	5.36	2.03
MW0072	29 to 34	5.87	3.94	1.93
MW0080	29 to 34	4.86	2.91	1.95
MW0088	29 to 34	8.29	6.54	1.75
MW0090	29 to 34	8.01	6.12	1.89
MW0097	29 to 34	6.33	4.59	1.74
38 to 55 ft BLS				
NPSH-MW0025	40 to 45	4.72	2.91	1.81
NPSH-MW0039	40 to 45	4.77	2.90	1.87
MW0057D	40 to 45	7.77	5.60	2.17
MW0094	40 to 45	7.52	5.48	2.04
MW0118	40 to 45	8.43	6.35	2.08
MW0120	40 to 45	8.61	6.57	2.04
Greater than 55 ft BLS				
MW0078	65 to 70	8.48	6.45	2.03
MW0083	71 to 76	8.62	6.60	2.02
MW0086	66 to 71	8.48	6.42	2.06
MW0130	56 to 66	NS	6.46	NS

Notes:

1. BLS indicates Below Land Surface.
2. NGVD indicates National Geodetic Vertical Datum.
3. BTOC indicates Below Top of Casing.
4. NS indicates not surveyed.
5. NPSH-MW0015 broken at land surface.



N

100 50 0 100
Feet

Legend

- 2 to 15 ft BLS Monitoring Well Location showing screen interval (ft BLS)
- 15 to 25 ft BLS Monitoring Well Location showing screen interval (ft BLS)
- 28 to 38 ft BLS Monitoring Well Location showing screen interval (ft BLS)
- 38 to 55 ft BLS Monitoring Well Location showing screen interval (ft BLS)
- > 55 ft BLS Monitoring Well Location showing screen interval (ft BLS)
- Abandoned Well

Note:
ft BLS indicates feet below land surface.

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Figure 2-1
Monitoring Well Network

SECTION III

SAMPLING RESULTS

3.1 OVERVIEW

This LTM Report presents the results of the LTM groundwater sampling performed in December 2015. The goals of the LTM activities performed in December 2015 were to evaluate groundwater flow direction and gradient, and to monitor the vertical and horizontal extents of the VOC plume including upgradient and sidegradient monitoring wells.

3.2 SUMMARY OF SITE LITHOLOGY

A summary of the site lithology is provided below:

- 2 to 15 ft BLS: consists of sand and organic hardpan;
- 15 to 25 ft BLS: consists of sand and shell hash;
- 28 to 38 ft BLS: consists of shell hash and silty sand;
- 38 to 55 ft BLS: consists of silty sand with shell transitioning into interbedded layers of fine clayey sand and sandy clay; and
- greater than 55 ft BLS: consists of interbedded layers of fine sandy clay and clayey sand, followed by silty sand, fine to medium clayey silty sand and very fine silty sand – includes the vertical extent monitoring wells.

These intervals are utilized for developing the groundwater flow maps and for presenting the groundwater VOC impacts at the site.

3.3 GROUNDWATER ELEVATIONS, FLOW DIRECTION, AND GRADIENT

Depth to groundwater measurements were collected to assess the groundwater flow direction and gradient at the site. The recorded depth to groundwater measurements were converted to groundwater elevations with respect to the North America Vertical Datum of 1988 and are summarized in Table 2-2.

The flow direction and horizontal gradient are presented below by depth interval:

- 2 to 15 ft BLS (Figure 3-1): groundwater elevations indicate a southwest flow direction and a gradient of 0.002 feet elevation per foot horizontal distance (ft/ft, from monitoring well MW0057S to MW0074);
- 15 to 25 ft BLS (Figure 3-2): groundwater elevations indicated a west to west-northwest flow direction and a gradient of 0.0003 ft/ft (from monitoring well MW0106 to MW0109);
- 28 to 38 ft BLS (Figure 3-3): groundwater elevations indicated northwest and southwest flow components and a gradient of 0.0004 ft/ft (from monitoring well MW0057I to MW0097); and
- 38 to 55 ft BLS (Figure 3-4): groundwater elevations indicated northwest and southwest flow components and a gradient of 0.0004 ft/ft (from monitoring well MW0057D to NPSH-MW0025).

For the greater than 55 ft BLS interval groundwater elevations are presented on Figure 3-5. A gradient was not calculated for this interval due to the proximity of monitoring wells to each other and generally flat gradient.

The groundwater gradient range and flow direction generally agree with historical data for the site; however, similar to the December 2014 measurements, the southwest flow direction was more pronounced and the northwest flow direction was less pronounced than what has been measured historically.

Vertical gradients were calculated at several well pairs across the site (MW0064/MW0065, MW0087/MW0088, MW0089/MW0090, and MW0095/MW0097). The vertical gradients were variable (ranging from 0.001 ft/ft upward to 0.008 ft/ft downward). The low, variable vertical gradients do not indicate a strong vertical flow component at the site.

3.4 MONITORING WELL VOC ANALYTICAL RESULTS

Groundwater VOC samples were collected to monitor the vertical and horizontal plume extents. Analytical results from the 2015 LTM activities revealed exceedances of Groundwater Cleanup Target Levels (GCTLs) and NADCs for TCE, *cis*-1,2-dichloroethene (cDCE), and vinyl chloride (VC). Monitoring well sampling results are summarized in Table 3-1.

3.4.1 2 TO 15 FT BLS VOC RESULTS. TCE, cDCE, and VC concentrations from 2 to 15 ft BLS are summarized on Figure 3-6, which also presents the overall VOC GCTL and NADC contours based on DPT groundwater sampling results and LTM data through 2015 and the most recent sampling results for monitoring wells not sampled during the 2015 LTM sampling event.

The sampling results in the 2 to 15 ft BLS depth interval were generally consistent with historical sampling results, with the exception of the results from samples collected from monitoring wells MW0064, MW0095, and NPSH-MW0027. Only VC was detected above the GCTL in the sample collected from monitoring well MW0064 (37 micrograms per liter [µg/L]), which was different than December 2014 results when both VC and TCE were above their GCTLs. VC was also detected above its GCTL in the sample collected from MW0095 (1.7 µg/L), which was previously less than GCTLs for all VOCs. VC (810 µg/L) exceeded its NADC in the sample collected from NPSH-MW0027. In the previous annual sampling event, both the VC concentration (3,000 µg/L) and cDCE concentration (880 µg/L) were measured above their NADCs.

Monitoring well MW0095 does not fully bound the GCTL plume to the west (1.7 µg/L VC slightly exceeds the GCTL). The results from NPSH-MW0027 (interior to the plume) did not affect the overall GCTL or NADC contour. Peripheral monitoring well VOC concentrations were below GCTLs except for VC in monitoring well MW0095, which was near the GCTL.

3.4.2 15 TO 25 FT BLS VOC RESULTS. TCE, cDCE, and VC concentrations from 15 to 25 ft BLS are summarized on Figure 3-7, which also presents the overall GCTL and NADC contours based on DPT groundwater sampling results and LTM data through 2015 and the most recent sampling results for monitoring wells not sampled during the 2015 LTM sampling event.

The sampling results in the 15 to 25 ft BLS depth interval were generally consistent with historical sampling results, with the exception of the results from the samples collected from monitoring wells MW0087, MW0089, and MW0116. In December 2014, VC was detected above its GCTL in samples collected from MW0087 (20 µg/L) and MW0089 (28 µg/L), but the 2015 LTM VC concentrations were below the GCTL in both of these wells. The GCTL plume is currently bounded to the north and northwest by these two wells. The VC concentration in monitoring well MW0116 (140 µg/L) increased above the NADC and the overall NADC plume was modified to include this well.

Peripheral VOC concentrations were below GCTLs.

3.4.3 28 TO 38 FT BLS VOC RESULTS. TCE, cDCE, and VC concentrations from 28 to 38 ft BLS are summarized on Figure 3-8, which also presents the overall GCTL and NADC contours based on DPT sampling results and LTM data through 2015 and the most recent sampling results for monitoring wells not sampled during the 2015 LTM sampling event.

The sampling results in the 28 to 38 ft BLS depth interval were generally consistent with historical sampling results, with the exception of the results from samples collected from monitoring wells NPSH-MW0015 and MW0062. Groundwater samples from monitoring well

NPSH-MW0015 revealed TCE (less than the detection limit of 0.36 µg/L) and cDCE (2.5 µg/L) decreased below GCTLs, and the VC concentration (3.6 µg/L) decreased below its NADC. NPSH-M0019 sample indicated a decrease in VC (0.96 µg/L, less than the practical quantitation limit) below the GCTL, which is consistent with all previously sampled years except 2014. Samples collected from MW0062 indicated increases in TCE (1,300 µg/L), cDCE (22,000 µg/L), and VC (2,000 µg/L) to NADC exceedances from no GCTL exceedances during the previous sampling event in 2012. Sample results from monitoring well MW0088 indicated a reduction in VC (3.8 µg/L) from an NADC exceedance in 2014. This result is consistent with the GCTL exceedances from 2010 to 2013.

The NADC contour was modified to exclude NPSH-MW0015 and include MW0062. The NADC contour around MW0088 was removed. The GCTL contour was modified to exclude NPSH-MW0019 and include MW0062. Peripheral monitoring well VOC concentrations were below GCTLs except for VC in monitoring wells MW0088 and MW0090, which is near the GCTL and monitoring well MW0062, which exceeded TCE, cDCE, and VC NADCs.

3.4.4 38 TO 55 FT BLS VOC RESULTS. TCE, cDCE, and VC concentrations from 38 to 55 ft BLS are summarized on Figure 3-9, which also presents the overall GCTL and NADC contours based on DPT sampling results and LTM data through 2015 and the most recent sampling results for monitoring wells not sampled during the 2015 LTM sampling event.

The sampling results in the 38 to 55 ft BLS depth interval were generally consistent with historical sampling results. The VC concentration (15 µg/L) in monitoring well NPSH-MW0039 increased to a GCTL exceedance. Peripheral monitoring well VOC concentrations were below GCTLs except for VC in monitoring well NPSH-MW0039, which was near the GCTL and continues to fluctuate within the historic range of concentrations.

3.4.5 GREATER THAN 55 FT BLS VOC RESULTS. TCE, cDCE, and VC concentrations from depth intervals greater than 55 ft BLS are summarized on Figure 3-10.

The groundwater sample from MW0078 indicates a decrease in VC (82 µg/L) concentration to less than the NADC, a change from the NADC exceedances documented during the 2013 and 2014 sampling events. The sample from monitoring well MW0130 indicated an increase in cDCE (780 µg/L) concentration to an NADC exceedance from less than the GCTL in 2012 and 2014. MW0078 and MW0130 do not provide vertical delineation of the plume.

3.5 TREND ANALYSIS

Trend plots were prepared for select LTM wells to evaluate the VOC concentration trends over time. The monitoring wells that were sampled as part of the 2015 LTM program are presented

on Figure 1-3 and trend graphs for select monitoring wells are presented in Appendix E. A discussion of the trends is provided below based on the locations of the wells on the site.

3.5.1 PERIPHERAL WELLS. The peripheral wells, defining the edge of the GCTL plume in each depth interval, provide general delineation of VOCs to GCTL or near GCTL concentrations except for monitoring well MW0062. Trend graphs for select northeast, north, northwest, and west peripheral wells (MW0062, MW0088, MW0090, MW0095, MW0097, NPSH-MW0019, and NPSH-MW0039) have been provided in Appendix E. Monitoring wells MW0088, and MW0090 have shown historical spikes in VOC concentrations followed by a decreasing trend. MW0062 showed an increase to greater than NADCs for TCE, cDCE, and VC concentrations from the low concentrations measured from 2006 to 2012. VC concentrations in MW0095 have fluctuated around the GCTL.

3.5.2 INTERNAL PLUME WELLS. The trend graphs for select internal plume LTM wells (MW0060I, MW0064, MW0065, MW0080, MW0097, MW0109, MW0116, MW0118, NPSH-MW0016, NPSH-MW0017, NPSH-MW0020, and NPSH-MW0027) are provided in Appendix E. Fluctuating concentrations have been observed at the majority of the internal plume monitoring wells. Increasing VC trends have been observed in the north (MW0064) and northwest (MW0065 and NPSH-MW0016) internal plume area.

3.5.3 VERTICAL EXTENT WELLS. Sample results from the vertical extent monitoring well MW0078 historically (prior to 2012) documented VOC concentrations less than GCTLs. cDCE and VC concentrations began to increase from 2012 to 2014 and exceeded their NADC; however, LTM results from December 2014 and December 2015 indicate that VOC concentrations are on a decreasing trend with a reduction in VC concentration to less than NADC.

3.6 NATURAL ATTENUATION EVALUATION

The current remediation strategy for the overall dissolved plume at the site is natural attenuation with LTM, while supplemental assessment and remedial actions (as IMs) are being completed for the Hot Spot areas. During previous LTM events an evaluation of site geochemical data has been performed in order to evaluate natural attenuation at the site. The historical field geochemical data (pH, conductivity, temperature, DO, ORP, and turbidity) and laboratory measured geochemical parameters (methane, ethane, and ethene) have consistently supported natural attenuation at the site since 2005. Field geochemical data was collected during the 2015 LTM event from monitoring well MW0130. The geochemical data are included in Table 3-2.

The pH and ORP measured in monitoring well MW0130, screened in the greater than 55 ft BLS interval, were 6.93 SU and 14.9 mV, respectively.

The pH values observed at the site have generally been neutral and the ORP is generally neutral to negative, indicating an anaerobic environment, which supports the conclusion that natural attenuation processes (naturally occurring dechlorination of VOCs) are occurring and will at the site.

Table 3-1. Monitoring Well Sampling Results: Volatile Organic Compounds
Wilson Corners, SWMU 001

Location	Sample Date	Screen Interval (ft BLS)	Concentration (µg/L)				
			TCE	cDCE	tDCE	1,1-DCE	VC
Groundwater Cleanup Target Level (µg/L)			**3**	**70**	**100**	**7**	**1**
Natural Attenuation Default Criteria (µg/L)			**300**	**700**	**1,000**	**70**	**100**
MW0021D	12/17/2004	40 to 45	**5.8**	ND	ND	NA	ND
	5/18/2005		1 U	1 U	1 U	1 U	1 U
MW0046D	5/13/2004	40 to 45	ND	ND	ND	NA	**234**
	12/17/2004		ND	ND	ND	NA	**31**
	7/27/2005		1 U	1 U	1 U	1 U	**41**
MW0046I	5/13/2004	29 to 34	ND	27	1.7 J	NA	**252**
	5/20/2005		**98.7**	**1,570**	7.9	1 U	**295**
	8/12/2009		**230**	**2,900**	100 U	**33 I**	**2,600**
MW0046S	5/13/2004	2 to 12	ND	ND	ND	NA	**3.7**
	12/17/2004		**15**	**200**	1.5 J	NA	**47**
	12/17/2004[DL]		**16 J**	**200**	ND	NA	**81 J**
	5/20/2005		**17**	**542**	2.5	1 U	**56.3**
MW0047D	5/13/2004	40 to 45	ND	**12,200**	ND	NA	**1,510**
	2/9/2005[DL]		ND	**13,000**	NA	NA	**1,100**
	7/25/2005		**400 U**	**22,400**	**400 U**	NA	**1,800**
	7/25/2005(dup)		**400 U**	**20,900**	**400 U**	NA	**1,700**
	12/21/2006		**500 U**	**26,400**	**500 U**	**500 U**	**1,500**
	6/12/2007		**200 U**	**30,400**	**129 I**	**200 U**	**2,090**
	7/31/2008		**20.2 I**	**6,350**	23 U	**27 U**	**3,270**
	12/17/2008		**80 U**	**22,600**	110 U	**140 U**	**2,770**
	7/21/2009		**470**	**9,700**	100 U	**100 U**	**1,500**
	12/8/2009		**64 U**	**15,500**	90 U	**110 U**	**2,940**
	9/13/2010		**160 U**	**25,200**	120 U	**160 U**	**5,690**
	3/17/2011		**22.4**	**14,800**	31	**28.9**	**5,400**
	9/20/2011		**36 U**	**14,300**	19 U	**16 U**	**6,690**
	9/6/2012		**161**	**16,000**	24.0 I	**29.0 I**	**6,570**
MW0047I	5/13/2004	29 to 34	**6.1 J**	**245**	ND	NA	**73.5**
	2/9/2005		**480 E**	**6,200 E**	NA	NA	**1,800 E**
	2/9/2005[DL]		ND	**3,300**	NA	NA	**640 J**
	7/27/2005		**400 U**	**3,600**	**400 U**	**400 U**	**1,200**
	12/20/2006		**711**	**2,290**	50 U	**50 U**	**2,030**
	6/12/2007		**650**	**1,490**	200 U	**200 U**	**1,830**
	7/31/2008		**557**	**2,390**	16.1 I	11 U	**1,650**
	12/17/2008		**1,160**	**2,800**	45 U	**169**	**2,230**
	7/22/2009		**2,100**	**6,400**	**500 U**	**500 U**	**1,300**
	12/8/2009		**169**	**1,190**	9 U	11 U	**1,740**
MW0047S	5/13/2004	2 to 12	ND	7	ND	NA	**1.9**
	7/27/2005		1 U	1 U	1 U	1 U	1 U
	7/31/2008		0.32 U	0.2 U	0.45 U	0.54 U	0.3 U
MW0048I	5/13/2004	29 to 34	**3,740**	**5,750**	ND	NA	**1,400**
	2/9/2005		**1,200 E**	**2,100 E**	NA	NA	**660 E**
	2/9/2005[DL]		**1,300 J**	**2,100 J**	NA	NA	**570 J**
	7/28/2005		**700**	**500**	20 U	**20 U**	**550**
	12/20/2006		**117**	**143**	2.6 I	5 U	**1,230**
	6/12/2007		**125**	**1,520**	20 U	**20 U**	**1,840**
	7/31/2008		**30.9**	**669**	4.7 I	**10.4**	**2,330**
	12/17/2008		**48.5**	**1,240**	9 U	**13.1 I**	**1,850**
	7/22/2009		**150**	**1,800**	100 U	**100 U**	**890**
	12/8/2009		**33.7 I**	**5,590**	45 U	**54 U**	**3,650**
	9/13/2010		**8 U**	**157**	12.7 I	8 U	**5,550**
	3/16/2011		**4.91**	**161**	13.5	2.58	**2,360**
	9/20/2011		**7.2 U**	**134**	6.6 I	3.2 U	**2,120**
	9/5/2012		1.41	60.6	4.15	0.480 I	**260**
MW0048S	5/13/2004	2 to 12	0.54 J	6.8	ND	NA	**2.7**
	7/28/2005		1 U	1 U	1 U	1 U	1 U
MW0049D	5/13/2004	40 to 45	**513**	**9,570**	ND	NA	**1,840**
	2/9/2005		**1,700 E**	**13,000 E**	NA	NA	**4,100 E**
	2/9/2005[DL]		**1,900**	**8,800**	NA	NA	**2,300**
	12/21/2006		**29.4 I**	**1,650**	50 U	50 U	**4,170**
	6/12/2007		**92 I**	**1,310**	100 U	100 U	**2,850**
	7/23/2008		**110**	**740**	9.2 I	**22**	**2,300 L**
	12/18/2008		**45.8**	**337**	7.2	2.7 U	**2,320**
	7/20/2009		**80 I**	**310**	100 U	**100 U**	**1,600**
	12/8/2009		**64.9**	**379**	7.5 I	5.4 U	**2,380**
	9/8/2010		**50.1**	**758**	6 U	8 U	**2,920**
	9/8/2010 [PDB]		**76.5**	**711**	6 U	8 U	**3,100**
	3/17/2011		**30.4**	**912**	8.97	1.64	**2,590**
	9/20/2011		**26.8**	**801**	7 I	3.2 U	**3,170**
	9/5/2012		**493**	**1,470**	11.4 I	4.80 I	**2,700**
MW0049I	5/13/2004	29 to 34	**998**	**4,420**	ND	NA	**845**
	2/9/2005		**8.9**	27	NA	NA	**380 E**
	2/9/2005[DL]		ND	34 J	NA	NA	**410**
	12/21/2006		**22.3**	**80.1**	0.91 I	1 U	**102**
	7/18/2008		**100**	**290**	33 U	**27 U**	**430**
	7/20/2009		**20**	**990**	12	6.1	**1,200 L**
MW0049S	5/13/2004	2 to 12	**109**	**558**	ND	NA	**143**
	7/28/2005		**8**	23	3 U	3 U	**190**
	12/21/2006		**7**	14.1	1 U	1 U	**26.8**
	7/23/2008		2.3	13.5	1 U	1 U	**12.4**
	7/20/2009		**11.9**	28.8	1 U	1 U	**5.7**
	9/13/2010		**7.68**	8.27	0.727 I	0.16 U	**54.2**
	9/20/2011		**9.33**	28	1.1	0.16 U	**25.2**
MW0050D	5/13/2004	40 to 45	**13.7**	42.2	ND	NA	**21**
	12/21/2004		**38**	**740 E**	5.9	NA	**930 E**
	12/21/2004[DL]		**23 J**	**890**	ND	NA	**1,500**
	2/9/2005		**180**	**2,100 E**	NA	NA	**3,500 E**
	2/9/2005[DL]		**230 J**	**1,800**	NA	NA	**2,700**
	7/28/2005		**7**	5	3 U	3 U	**3 U**
	8/12/2009		**4,600**	**4,500**	100 U	**100 U**	**270**
	9/30/2014		**770**	**2,800**	16 I	7.0 U	**190**
MW0050S	5/13/2004	2 to 12	**680**	**4,040**	ND	NA	**329**
	12/22/2004		**81**	**160**	5.5	NA	**230 E**
	12/22/2004[DL]		**89 J**	**200 J**	ND	NA	**370 J**
	7/28/2005		**8**	41	24	3 U	**110**
MW0050SI	5/13/2004	20 to 25	**38.3**	34.3	ND	NA	**1.9**
	12/22/2004		**35**	67	ND	NA	**45**
	12/22/2004[DL]		**31 J**	**180**	ND	NA	**130**
	2/9/2005		**32**	**100**	NA	NA	**92**
	2/9/2005[DL]		**36 J**	**76**	NA	NA	**67 J**
MW0050I	5/13/2004	29 to 34	**18**	8.5	ND	NA	0.57
	12/22/2004		**8.1**	ND	ND	NA	ND
	2/9/2005		2.1 J	1 J	NA	NA	ND
MW0051SI	5/14/2004	20 to 25	**10.9**	2	ND	NA	ND
	12/21/2004		**280 E**	**86**	ND	NA	ND
	12/21/2004[DL]		**730 J**	ND	ND	NA	ND
	2/10/2005		**4.9 J**	ND	NA	NA	ND
	2/10/2005[DL]		ND	ND	NA	NA	ND
MW0052D	5/14/2004	40 to 45	**119,000**	**52,400**	ND	NA	ND
	12/21/2004		**10,000 E**	**13,000 E**	**310 E**	NA	**380 E**
	12/21/2004[DL]		**130,000**	**59,000**	ND	NA	ND
	2/10/2005		**37,000 E**	**26,000 E**	NA	NA	**1,100 E**
	2/10/2005[DL]		**120,000**	**61,000**	NA	NA	**1,400 J**
	9/17/2009		**43 I**	**4,100**	27 I	**100 U**	**6,900**
	9/8/2010		**41,100**	**32,500**	29.4	**41.1**	**1,090**
	3/4/2016		**17 I**	**220**	30 I	13 U	**3,200**
MW0052DD	5/14/2004	55 to 65	**70,400**	**28,600**	ND	NA	**1,240**
	12/22/2004		**5,100 E**	**5,600 E**	43	NA	**340 E**
	12/22/2004[DL]		**6,000**	**3,100**	ND	NA	**140 J**
	2/10/2005		**32,000 E**	**32,000 E**	NA	NA	**1,900 E**
	2/10/2005[DL]		**89,000**	**94,000**	NA	NA	**2,300 J**
	7/21/2008		**420**	**1,100**	10.4	6	**510**
	9/19/2011		**6,550**	**8,800**	19 U	16 U	**651**
	9/5/2012		**4,700**	**10,000**	36.0 I	**41.0 I**	**983**
	12/19/2014		**19,000**	**26,000**	80	**84**	**5,900**
	12/19/2014-R		**15,000**	**21,000**	51	**59**	**3,600**

Table 3-1. Monitoring Well Sampling Results: Volatile Organic Compounds
Wilson Corners, SWMU 001

Location	Sample Date	Screen Interval (ft BLS)	Concentration (µg/L)				
			TCE	cDCE	tDCE	1,1-DCE	VC
Groundwater Cleanup Target Level (µg/L)			**3**	**70**	**100**	**7**	**1**
Natural Attenuation Default Criteria (µg/L)			**300**	**700**	**1,000**	**70**	**100**
MW0052I	5/14/2004	29 to 34	**240**	**166**	ND	NA	**7.4**
	12/21/2004		**50**	18	ND	NA	**13**
	12/21/2004 DL		ND	ND	ND	NA	ND
	2/10/2005		**71 J**	ND	NA	NA	ND
	7/28/2005		3	1	1 U	1 U	1 U
MW0052S	5/14/2004	2 to 12	**42,300**	**33,200**	ND	NA	**2,730**
	12/21/2004		**160**	**2,800 E**	48	NA	**6,500 E**
	12/21/2004 DL		**260 J**	**4,200**	ND	NA	**11,000**
	7/27/2005		**350**	**350**	40 U	**40 U**	**590**
	12/21/2006		**11,000**	**122,000**	**2,000 U**	**2,000 U**	**46,100**
	1/15/2007		**22,200**	**71,700**	**2,000 U**	**2,000 U**	**21,300**
	6/13/2007		**5,650**	**46,200**	**500 U**	**500 U**	**9,580**
	8/1/2008		**30,200**	**15,600**	160 U	**190 U**	**2,000**
	12/18/2008		**4,600**	**85 U**	110 U	**140 U**	**2,090**
	7/22/2009		**840**	**2,300**	100 U	**100 U**	**390**
	12/7/2009		**1,420**	**3,200**	14.4 I	11 U	**532**
	9/8/2010		**3,770**	**4,460**	12 U	**25 I**	**476**
	9/8/2010 PDB		**6,500**	**6,360**	12 U	**30.7 I**	**587**
	3/17/2011		**170**	**2,360**	13.1	6.84	**187**
	9/19/2011		**126**	**9,100**	18 I	8 U	**1,310**
	9/5/2012		**43.1**	**383**	3.96 I	0.760 I	**24.7**
MW0053D	5/14/2004	40 to 45	0.59 J	ND	ND	NA	ND
	2/9/2005		ND	ND	NA	NA	ND
	12/18/2006		1 U	1 U	1 U	1 U	1 U
	7/18/2008		1 U	1 U	1 U	1 U	**2.1**
	7/16/2009		1 U	1 U	1 U	1 U	1 U
MW0053I	5/14/2004	29 to 34	ND	ND	ND	NA	ND
	2/9/2005		ND	1.2 J	NA	NA	**1.7 J**
	12/18/2006		1 U	1 U	2.1	1 U	**2.4**
	10/5/2007		1 U	3.7	1.2	1 U	**4.3**
	7/17/2008		2.6	3.3	1 U	1 U	1.2
	7/16/2009		1 U	1.8	1 U	1 U	1.2
MW0053S	5/14/2004	2 to 12	ND	**7,220**	ND	NA	**1,280**
	5/19/2005		1 U	43.4	2.78	1 U	**39.4**
	12/21/2006		0.93 I	3.2	3.8	1 U	**12.4**
	6/13/2007		1 U	31.4	3.1	1 U	**51.1**
	7/18/2008		1 U	4.3	1	1 U	**170**
	12/18/2008		0.43	7.3	0.79 I	0.54 U	**10.5**
	7/16/2009		1 U	6.9	1 U	1 U	**3.1**
	12/8/2009		0.42 I	10.8	1.1	0.54 U	**8.2**
MW0054D	5/17/2004	40 to 45	ND	1.0	ND	NA	**3.2**
	2/9/2005		ND	2 J	NA	NA	**5 J**
	10/5/2007		1 U	40.2	1 U	1 U	**27.3**
	7/21/2008		1 U	1.2	1 U	1 U	1 U
MW0054I	5/17/2004	29 to 34	**553**	**640**	ND	NA	**85.8**
	2/9/2005 DL		**1,900**	**600 J**	NA	NA	ND
	10/4/2007		**44,000**	**18,000**	200 U	**200 U**	**2,500**
	7/21/2008		**19.5**	**96.2**	1 U	1 U	**21.9**
	9/15/2010		**16 U**	**9,720**	12 U	**16 U**	**2,080**
MW0054S	5/17/2004	2 to 12	**9,070**	**9,230**	ND	NA	**10,900**
	5/20/2005		1 U	52.4	23	1 U	**545**
	10/4/2007		**7.1**	13.6	1 U	1 U	1.3
	7/21/2008		2.7	1.2	1.4	1 U	1 U
MW0055D	5/17/2004	40 to 45	**10.9**	36.3	1.6 J	NA	**374**
	2/9/2005		**4 J**	18	NA	NA	**120**
	7/28/2005		3 U	7	3 U	3 U	**200**
	12/19/2006		2.2	13.6	1.2	1 U	**58.2**
	7/17/2008		**4.6**	35.8	1.1	1 U	**51.3**
	7/17/2009		**6.8**	35.3	1.1	1 U	**34.8**
	9/20/2011		0.36 U	**83.4**	0.82 I	0.16 U	**71.3**
MW0055I	5/17/2004	29 to 34	**15.7**	ND	ND	NA	ND
	2/9/2005		ND	1.3 J	NA	NA	**5.3 J**
	2/9/2005 DL		ND	ND	NA	NA	ND
	10/4/2007		**240**	**2,600**	100 U	**100 U**	**1,000**
	9/15/2010		0.36 U	**83.4**	0.82 I	0.16 U	**71.3**
MW0055S	5/17/2004	2 to 12	**432**	**680**	ND	NA	**244**
	5/19/2005		1 U	3.3	0.56 J	1 U	1.25
	10/4/2007		1 U	1.8	1 U	1 U	**1.7**
	9/5/2012		1.10	4.21	0.190 U	0.160 U	0.360 U
MW0056S	5/17/2004	2 to 12	**2,220**	**2,350**	ND	NA	**2,840**
	5/19/2005		1 U	**4,280**	63.7	1 U	**1,410**
	12/19/2006		**10 U**	**316**	12.4	10 U	**463**
	6/13/2007		**100 U**	**11,000**	**128**	**100 U**	**6,800**
	10/8/2007		1 U	1.3	1 U	1 U	**6.1**
	7/31/2008		0.23 U	29.6	1.1	0.39 U	**62.2**
	12/17/2008		0.32 U	11.4	24.1	0.54 U	**474**
	7/22/2009		1 U	3.5	7.8	1 U	**95.6**
	12/8/2009		0.32 U	7.2	13.5	0.54 U	**101**
	9/8/2010		3.2 U	54.6	12.3 I	3.2 U	**630**
	9/8/2010 PDB		0.16 U	1.16	0.12 U	0.16 U	**3.12**
	3/16/2011		0.36 U	**1,920**	73.6	6.23	**1,110**
	9/20/2011		**29.5 I**	**6,890**	**140**	8 U	**760**
MW0057D	5/17/2004	40 to 45	ND	ND	ND	NA	ND
	7/27/2005		1 U	1 U	1 U	1 U	1 U
	10/8/2007		1 U	1 U	1 U	1 U	1 U
	7/21/2008		1 U	1 U	1 U	1 U	1 U
	9/13/2010		0.16 U	0.36 U	0.12 U	0.16 U	0.22 U
	9/20/2011		0.36 U	0.36 U	0.19 U	0.16 U	0.36 U
	9/6/2012		**465**	**77.8**	0.960 I	0.370 I	**5.46**
	10/25/2012		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	12/15/2015		0.36 U	0.58 I,V	0.19 U	0.16 U	0.36 U
MW0057I	5/17/2004	29 to 34	ND	ND	ND	NA	ND
	7/27/2005		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
	10/5/2007		1 U	1 U	1 U	1 U	1 U
	7/22/2008		1 U	1 U	1 U	1 U	1 U
	9/8/2010		0.16 U	0.36 U	0.12 U	0.16 U	0.22 U
	9/20/2011		0.36 U	0.36 U	0.19 U	0.16 U	0.36 U
	9/5/2012		0.360 U	0.360 U	0.190 U	0.160 U	0.360 U
	12/15/2015		0.36 U	0.55 I,V	0.19 U	0.16 U	0.36 U
MW0057S	5/17/2004	2 to 12	ND	0.98 J	ND	NA	ND
	7/27/2005		1 U	1 U	1 U	1 U	1 U
	12/19/2006		1 U	1 U	1 U	1 U	1 U
	10/5/2007		1 U	1 U	1 U	1 U	1 U
	7/22/2008		1 U	1 U	1 U	1 U	1.1
	7/22/2009		1 U	1 U	1 U	1 U	1 U
	3/16/2011		0.36 U	0.74 I	0.19 U	0.16 U	0.36 U
	9/20/2011		0.36 U	0.41 I	0.19 U	0.16 U	0.36 U
	9/10/2012		0.360 U	0.360 U	0.190 U	0.160 U	0.360 U
	12/15/2015		0.36 U	1.2 V	0.19 U	0.16 U	0.36 U
MW0059I	12/20/2004	29 to 34	**550 E**	**560 E**	ND	NA	**110**
	12/20/2004 DL		**620 J**	**570 J**	ND	NA	ND
	2/9/2005 DL		**960 J**	**780 J**	NA	NA	ND
	2/9/2005 DL		**770 J**	**680 J**	NA	NA	ND
	12/21/2006		**375**	**394**	100 U	**100 U**	**124**
	6/13/2007		**4,050**	**5,990**	100 U	**95 I**	**833**
	10/4/2007		**5,400**	**16,000**	200 U	**200 U**	**1,500**
	7/31/2008		**8,810**	**29,400**	**230 U**	**270 U**	**3,730**
	12/17/2008		**13,900**	**42,400**	**230 U**	**270 U**	**5,220**
	7/22/2009		**9,100**	**22,000**	**500 U**	**500 U**	**1,800**
	12/7/2009		**6,390**	**34,400**	**230 U**	**270 U**	**3,790**
	9/8/2010		**4,800**	**35,200**	48 U	**64 U**	**5,510**
	9/8/2010 PDB		**4,780**	**34,200**	48 U	**64 U**	**5,660**
	3/17/2011		**2,810**	**29,800**	31.2	**39.9**	**5,420**
	9/20/2011		**2,850**	**30,800**	38 U	**32 U**	**72 U**
	9/6/2012		**2,740**	**21,600**	38.0 U	**32.0 U**	**7,430**

Table 3-1. Monitoring Well Sampling Results: Volatile Organic Compounds
Wilson Corners, SWMU 001

Location	Sample Date	Screen Interval (ft BLS)	Concentration (µg/L)				
			TCE	cDCE	tDCE	1,1-DCE	VC
Groundwater Cleanup Target Level (µg/L)			**3**	**70**	**100**	**7**	**1**
Natural Attenuation Default Criteria (µg/L)			**300**	**700**	**1,000**	**70**	**100**
MW0060I	12/17/2004	29 to 34	**930 E**	**1,600 E**	15	NA	**600 E**
	12/17/2004[DL]		**1,400 J**	**1,800 J**	ND	NA	ND
	7/28/2005		**330**	**1,300**	100 U	**100 U**	**890**
	12/21/2006		**10**	**123**	2 U	2 U	**303**
	7/23/2008		**190**	**5,200**	33 U	**27 U**	**2,400**
	7/22/2009		**260**	**6,700**	100 U	**100 U**	**2,900**
	9/15/2010		**16 U**	**2,820**	12 U	**16 U**	**4,620**
	3/17/2011		**14.1**	**1,880**	25.2	**9.37**	**6,230**
	9/20/2011		**9 U**	**74.3**	21 I	4 U	**4,210**
	9/5/2012		3.60 U	**188**	11.1	1.60 U	**1,610**
	12/16/2015		**18 U**	**130**	9.5 U	8 U	**1,100**
MW0060S	12/17/2004	2 to 12	ND	3 J	ND	NA	**2.8 J**
	7/28/2005		1 U	3	1 U	1 U	**7**
	8/12/2009		1 U	1 U	1 U	1 U	1 U
MW0061S	12/17/2004	2 to 12	ND	ND	ND	NA	ND
	7/27/2005		1 U	1 U	1 U	1 U	1 U
MW0062	2/1/2006	29 to 34	0.5 U	1.5	1.8	0.5 U	**5**
	12/18/2006		1 U	1 U	3.9	1 U	**2**
	7/31/2008		0.23 U	0.14 U	2	0.39 U	0.21 U
	7/16/2009		1 U	1 U	1 U	1 U	1 U
	9/8/2010		0.16 U	0.36 U	0.246 I	0.16 U	0.556 I
	3/16/2011		0.36 U	0.36 U	0.22 I	0.16 U	0.36 U
	9/20/2011		0.36 U	0.42 I	2.71	0.16 U	**1.89**
	9/5/2012		0.360 U	0.520 I	1.71	0.160 U	0.360 U
	12/15/2015		**1,300**	**22,000**	23 I	**14 I**	**2,000**
	3/2/2016		**1,700**	**25,000**	54 U	**52 U**	**2,600**
MW0063	2/1/2006	40 to 45	0.5 U	3.2	0.5 U	0.5 U	**5**
	12/18/2006		1 U	1 U	1 U	1 U	1 U
	7/24/2008		1 U	1 U	1 U	1 U	1 U
	7/16/2009		1 U	1 U	1 U	1 U	1 U
MW0064	2/1/2006	2 to 12	0.5 U	1.3	2	0.5 U	**2**
	12/19/2006		1 U	6.4	5.2	1 U	**12.8**
	7/23/2008		1 U	14.4	3.3	1 U	**23.1**
	7/20/2009		1 U	7.8	1.4	1 U	**10.3**
	12/19/2014		**4.5**	26	1.2	0.16 U	**23**
	12/15/2015		0.96 I	64	2.4	0.16 U	**37**
MW0065	2/1/2006	29 to 34	5 U	5 U	5 U	5 U	**283**
	12/19/2006		**4.3**	**141**	4.5	2 U	**1,070**
	6/13/2007		**50 U**	**123**	50 U	**50 U**	**1,670**
	7/23/2008		**4.6**	14.3	8	1 U	**450**
	12/18/2008		0.32 U	1.8	5.9	0.54 U	**84.1**
	7/20/2009		1 U	4	6.2	1 U	**16.1**
	12/7/2009		**4.4**	20.6	12.3	3.6	**296**
	9/8/2010		0.64 U	**146**	3.45 I	0.64 U	**337**
	9/20/2011		**7.2 U**	**77.4**	9.4 I	3.2 U	**1,540**
	9/5/2012		3.60 U	**196**	6.30 I	1.60 U	**1,090**
	3/14/2014		**15 I**	**160**	10 I	4 U	**2,100**
	12/19/2014		**7.2 U**	**78**	14 I	3.2 U	**1,700**
	12/15/2015		0.68 U	86 U	10	0.49 U	**520**
MW0066	2/1/2006	2 to 12	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
	12/23/2013		0.36 U	0.36 U	0.19 U	0.16 U	0.36 U
	12/18/2014		0.36 U	0.36 U	0.19 U	0.16 U	0.36 U
MW0067	2/1/2006	29 to 34	0.5 U	0.95 I	0.5 U	0.5 U	1.4
	12/19/2006		0.79 I	1.7	1 U	1 U	**3.2**
	7/31/2008		0.23 U	0.14 U	0.92	0.39 U	0.55 I
	7/21/2009		**18**	12	1.8 I	2 U	**1.8 I**
	8/12/2009		1 U	1 U	2	1 U	**3.1**
MW0068	2/1/2006	40 to 45	0.5 U	9.6	0.5 U	0.5 U	**33.8**
	12/19/2006		1.3	0.7 I	1.6	1 U	**74.3**
	6/12/2007		0.59 I	1 U	1.6	1 U	0.88 I
	8/1/2008		1.3	31.1	2.7	0.54 U	**102**
	12/18/2008		0.45 I	2.2	1.1	0.54 U	**24.9**
	7/17/2009		1 U	1 U	1 U	1 U	1 U
	12/8/2009		0.32 U	0.2 U	0.45 U	0.54 U	0.3 U
	9/8/2010		0.16 U	0.36 U	0.22 I	0.16 U	0.343 I
	9/20/2011		0.36 U	0.36 U	0.19 U	0.16 U	0.36 U
MW0069	2/1/2006	29 to 34	0.5 U	20.8	0.5 U	0.5 U	**22.4**
	12/19/2006		1 U	2.5	1 U	1 U	**48.4**
	7/31/2008		0.23 U	4.9	0.45 I	0.39 U	**61**
	7/20/2009		1.2	11.9	1.9	1 U	**28.6**
MW0070	2/1/2006	40 to 45	0.5 U	0.5 U	0.5 U	0.5 U	**23.7**
	12/20/2006		1 U	1 U	1 U	1 U	0.79 I
	6/12/2007		1 U	1 U	0.74 I	1 U	1 U
	7/31/2008		0.57 I	0.87	0.48 I	0.39 U	**2**
	12/18/2008		0.32 U	0.2 U	0.63 I	0.54 U	0.3 U
	7/22/2009		1 U	1 U	1 U	1 U	1 U
	12/8/2009		0.32 U	0.2 U	0.47 I	0.54 U	0.31 I
MW0071	1/31/2006	40 to 45	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
MW0072	1/31/2006	29 to 34	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
	12/19/2006		1 U	1 U	1 U	1 U	1 U
	8/1/2008		0.23 U	0.79	0.32 U	0.39 U	0.21 U
	7/17/2009		1 U	4.1	1 U	1 U	1 U
	9/15/2010		0.16 U	0.93 I	0.12 U	0.16 U	0.22 U
	9/19/2011		0.36 U	1.14	0.19 U	0.16 U	**3.07**
	9/6/2012		0.360 U	1.43	0.190 U	0.160 U	**2.97**
	12/23/2013		0.36 U	0.37 I	0.19 U	0.16 U	0.36 U
	12/18/2014		0.36 U	0.39 I	0.19 U	0.16 U	0.62 I
	12/16/2015		0.36 U	0.36 U	0.19 U	0.16 U	0.36 U
MW0073	1/31/2006	2 to 12	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
	12/20/2006		1 U	1 U	1 U	1 U	1 U
	7/31/2008		0.32 U	0.2 U	0.45 U	0.54 U	0.3 U
	7/21/2009		1 U	1 U	1 U	1 U	1 U
	12/23/2013		0.36 U	0.37 I	0.19 U	0.16 U	0.36 U
	12/18/2014		0.36 U	0.36 U	0.19 U	0.16 U	0.36 U
MW0074	1/31/2006	2 to 12	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
	12/20/2006		1 U	1 U	1 U	1 U	1 U
	7/31/2008		0.32 U	0.2 U	0.45 U	0.54 U	0.3 U
	7/17/2009		1 U	1 U	1 U	1 U	1 U
	9/15/2010		0.16 U	0.36 U	0.12 U	0.16 U	0.22 U
	9/19/2011		0.36 U	0.36 U	0.19 U	0.16 U	0.36 U
	12/23/2013		0.36 U	0.36 U	0.19 U	0.16 U	0.36 U
	12/18/2014		0.36 U	0.36 U	0.19 U	0.16 U	0.36 U
	12/16/2015		0.36 U	0.97 I,V	0.19 U	0.16 U	0.36 U
MW0075	1/31/2006	2 to 12	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
	8/12/2009		1 U	1 U	1 U	1 U	1 U
	9/15/2010		0.16 U	0.36 U	0.12 U	0.16 U	0.22 U
	3/17/2011		0.36 U	0.36 U	0.19 U	0.16 U	0.36 U
	9/19/2011		0.36 U	0.36 U	0.19 U	0.16 U	0.36 U
	12/16/2015		0.36 U	0.88 I,V	0.19 U	0.16 U	0.36 U
MW0076	1/31/2006	2 to 12	0.5 U	0.58 I	0.5 U	0.5 U	0.5 U
	12/19/2006		1 U	1 U	1 U	1 U	1 U
	7/23/2008		1 U	1	1 U	1 U	1.2
	7/22/2009		1 U	1 U	1 U	1 U	1 U
	9/15/2010		0.16 U	0.44 I	0.12 U	0.16 U	0.57 I
MW0077	1/31/2006	29 to 34	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
	12/19/2006		1 U	1 U	1 U	1 U	1 U
	7/23/2008		1 U	1 U	1 U	1 U	1 U
	7/22/2009		1 U	1 U	1 U	1 U	1 U

Table 3-1. Monitoring Well Sampling Results: Volatile Organic Compounds
Wilson Corners, SWMU 001

Location	Sample Date	Screen Interval (ft BLS)	Concentration (µg/L)				
			TCE	cDCE	tDCE	1,1-DCE	VC
Groundwater Cleanup Target Level (µg/L)			**3**	**70**	**100**	**7**	**1**
Natural Attenuation Default Criteria (µg/L)			**300**	**700**	**1,000**	**70**	**100**
MW0078	2/1/2006	65 to 70	**18.5**	8	0.5 U	0.5 U	**1.8**
	12/21/2006		1.1	1 U	1 U	1 U	1 U
	7/22/2008		1 U	1 U	1 U	1 U	1 U
	7/20/2009		1.8	1 U	1 U	1 U	1 U
	9/8/2010		0.443 I	0.36 U	0.12 U	0.16 U	0.22 U
	9/19/2011		0.36 U	0.36 U	0.19 U	0.16 U	0.36 U
	9/5/2012		**16.9**	**238**	0.190 U	0.960 I	**31.8**
	10/25/2012		3.1	29.8	1.0 U	1.0 U	**1.7**
	12/23/2013		**28**	**1,500**	12	**9.3**	**100**
	1/22/2014		**36 U**	**3,800**	19 U	**16 U**	**310**
	7/14/2014		**17 I**	**2,200**	19 I	6.2 I	**200**
	12/18/2014		3.3	**2,300**	19	6.9	**260**
	12/15/2015		**9 U**	**1,100**	4.8 U	4 U	**82**
MW0079	2/1/2006	40 to 45	**3.2**	33.6	0.5 U	0.5 U	**32.6**
	12/20/2006		1 U	0.62 I	1 U	1 U	**2.8**
	10/5/2007		1 U	1 U	1 U	1 U	1 U
	7/31/2008		0.37 I	3.4	0.32 U	0.39 U	**1.6**
	7/20/2009		1 U	1.1	1 U	1 U	1 U
MW0080	12/21/2006	29 to 34	1.3	27.7	2.7	1 U	**564**
	6/12/2007		1.8	21.3	3.2	1 U	**463**
	7/31/2008		0.23 U	0.84	0.32 U	0.39 U	**16.4**
	12/18/2008		0.32 U	0.2 U	1.5	0.54 U	**2.8**
	7/20/2009		1 U	1 U	1.2	1 U	1 U
	12/7/2009		0.32 U	0.2 U	4.5	0.54 U	0.3 U
	3/14/2014		**9 U**	64	13 I	4 U	**2,000**
	12/18/2014		0.4 I	**190**	13	0.96 I	**2,500**
	12/15/2015		1.8 U	**130**	18	0.8 U	**1,500**
MW0081	12/21/2006	29 to 34	1 U	2.4	1 U	1 U	**4.6**
	6/12/2007		1 U	4.7	1 U	1 U	**7.3**
	7/24/2008		1 U	3.2	1 U	1 U	**30.6**
	12/18/2008		0.44 I	4.4	0.45 U	0.54 U	**60.9**
	7/17/2009		1 U	5.8	1 U	1 U	**35.2**
	12/8/2009		1.1	10.6	1.2	0.54 U	**83.2**
	12/23/2013		0.36 U	1.5	3.5	0.16 U	**7.2**
	12/18/2014		0.36 U	0.88 I	0.38 I	0.16 U	**12**
MW0082	10/12/2007	29 to 34	0.38 U	0.28 U	0.2 U	0.23 U	0.34 U
	7/31/2008		0.32 U	0.2 U	0.45 U	0.54 U	0.3 U
	12/17/2008		0.32 U	0.2 U	0.45 U	0.54 U	0.3 U
	7/21/2009		1 U	1 U	1 U	1 U	1 U
	12/8/2009		0.32 U	0.2 U	0.45 U	0.54 U	0.3 U
MW0083	9/17/2009	71 to 76	1 U	1 U	1 U	1 U	1 U
	9/20/2011		0.36 U	0.36 U	0.19 U	0.16 U	0.36 U
	12/16/2015		0.36 U	0.36 U	0.19 U	0.16 U	0.36 U
MW0084	9/17/2009	71 to 76	1 U	1 U	1 U	1 U	1 U
	9/20/2011		0.36 U	0.36 U	0.19 U	0.16 U	0.36 U
MW0085	9/17/2009	71 to 76	1 U	1 U	1 U	1 U	1 U
	9/20/2011		0.36 U	0.36 U	0.19 U	0.16 U	0.36 U
MW0086	9/17/2009	66 to 71	1 U	1 U	1 U	1 U	1 U
	9/19/2011		0.36 U	0.36 U	0.19 U	0.16 U	0.36 U
	12/15/2015		0.36 U	0.36 U	0.19 U	0.16 U	0.36 U
MW0087	4/7/2010	15 to 25	0.24 U	0.38 I	0.34 U	0.29 U	1.3
	9/19/2011		0.36 U	0.36 U	0.19 U	0.16 U	0.36 U
	9/5/2012		0.360 U	0.360 U	0.190 U	0.160 U	0.360 U
	12/23/2013		0.36 U	0.36 U	0.19 U	0.16 U	0.36 U
	12/18/2014		0.36 U	1.5	0.21 I	0.16 U	**20**
	12/15/2015		0.36 U	0.36 U	0.19 U	0.16 U	0.36 U
MW0088	4/7/2010	29 to 34	0.24 U	0.93 I	0.34 U	0.29 U	**2.1**
	9/19/2011		0.36 U	1.5	0.19 U	0.16 U	**6.62**
	9/5/2012		0.360 U	1.67	0.190 U	0.160 U	**9.04**
	12/23/2013		0.36 U	1.7	0.2 I	0.16 U	**7.6**
	12/18/2014		0.36 U	5.5	2.6	0.16 U	**130**
	12/15/2015		0.36 U	0.44 I	0.19 U	0.16 U	**3.8**
MW0089	4/7/2010	15 to 25	0.24 U	0.32 U	0.34 U	0.29 U	0.79 I
	12/19/2014		0.36 U	0.38 I	0.19 U	0.16 U	**28 I**
	12/15/2015		0.36 U	1.6	0.19 U	0.16 U	0.99 I
MW0090	4/7/2010	29 to 34	0.24 U	0.32 U	0.34 U	0.29 U	**9.5**
	9/19/2011		0.85 I	4.4	1.33	0.16 U	**27.5**
	9/5/2012		0.360 U	5.35	0.840 I	0.160 U	**32.8**
	12/23/2013		**57**	**2,200**	8.7	0.16 U	**600**
	1/22/2014		**24 I**	**1,200**	9.5 U	8 U	**370**
	12/18/2014		0.36 U	4.7	0.68 I	0.16 U	**42**
	12/15/2015		0.36 U	6.2	1	0.16 U	**34**
MW0091	4/7/2010	2 to 12	0.24 U	0.32 U	0.34 U	0.29 U	0.28 U
	9/19/2011		0.36 U	0.36 U	0.19 U	0.16 U	0.36 U
	9/5/2012		0.360 U	0.360 U	0.190 U	0.160 U	0.360 U
	12/23/2013		0.36 U	0.36 U	0.19 U	0.16 U	0.36 U
	12/18/2014		0.36 U	0.36 U	0.19 U	0.16 U	0.36 U
	12/15/2015		0.36 U	0.81 I,V	0.19 U	0.16 U	0.36 U
MW0092	4/7/2010	2 to 12	0.24 U	0.32 U	0.34 U	0.29 U	0.28 U
	3/16/2011		0.36 U	0.36 U	0.19 U	0.16 U	0.41 I
	9/20/2011		0.36 U	0.75 I	1.62	0.16 U	**2.45**
	9/5/2012		0.60 U	0.950 I	0.190 U	0.160 U	**3.26**
MW0093	3/26/2010	15 to 25	0.24 U	0.32 U	0.34 U	0.29 U	0.28 U
	9/19/2011		0.36 U	0.36 U	0.19 U	0.16 U	0.36 U
MW0094	4/7/2010	40 to 45	0.24 U	0.32 U	0.34 U	0.29 U	0.28 U
	9/19/2011		0.36 U	0.36 U	0.19 U	0.16 U	0.36 U
	9/5/2012		0.360 U	0.360 U	0.190 U	0.160 U	0.680 I
	12/15/2015		0.36 U	0.5 I,V	0.19 U	0.16 U	0.36 U
MW0095	3/25/2010	2 to 12	0.24 U	0.32 U	0.34 U	0.29 U	0.28 U
	3/16/2011		0.36 U	0.36 U	0.19 U	0.16 U	0.36 U
	9/20/2011		0.36 U	0.36 U	0.19 U	0.16 U	0.36 U
	12/23/2013		0.36 U	0.36 U	0.19 U	0.16 U	**2.5**
	12/18/2014		0.36 U	0.36 U	0.19 U	0.16 U	0.36 U
	12/15/2015		0.36 U	1.1 V	0.19 U	0.16 U	**1.7**
MW0096	3/25/2010	15 to 25	0.24 U	16.1	1.2	0.29 U	**113**
	9/15/2010		0.64 U	7.68	0.48 U	0.64 U	**84.6**
	9/20/2011		0.72 U	41.6	1.12 I	0.32 U	**247**
MW0097	3/25/2010	29 to 34	0.25 I	8.2	0.34 U	0.29 U	**15.7**
	3/17/2011		**19.3**	3.35	0.19 U	0.16 U	1.17
	9/20/2011		0.72 U	51.8	0.8 I	0.32 U	**181**
	9/5/2012		0.720 U	21.0	1.02 I	0.320 U	**282**
	12/23/2013		0.72 U	6.1	1.3 I	0.32 U	**160**
	12/18/2014		0.72 U	4.8	1.8 I	0.32 U	**21**
	12/15/2015		0.36 U	0.52 I	0.68 I	0.16 U	**1.8**
MW0098	3/25/2010	15 to 25	**4,270**	**12,200**	68 U	**58 U**	**6,500**
	9/8/2010		**917**	**4,500**	11.3 I	8 U	**5,410**
	3/17/2011		**49,900**	**27,300**	26.4	**49**	**8,440**
	9/20/2011		**4,070**	**17,700**	38 U	**32 U**	**7,670**
	9/5/2012		**1,870**	**7,500**	19.0 U	**16.0 U**	**1,390**
	2/29/2016		**810**	**2,400**	68 U	**65 U**	**490**
MW0099	4/7/2010	55 to 65	**56.9**	**88.1**	3.4 U	2.9 U	**66.4**
	9/8/2010		**47.3**	**73.6**	0.395 I	0.522 I	**58.6**
	9/19/2011		**36**	**128**	1.9 U	1.6 U	**166**
	9/5/2012		**16.1**	44.1	0.380 U	0.540 I	**154**
MW0100	4/7/2010	15 to 25	**21,100**	**13,800**	85 U	**101 I**	**5,500**
	3/16/2011		**3,840**	**9,630**	**106**	**80**	**9,290**
	9/19/2011		**27,200**	**31,900**	**146 I**	**160 I**	**12,500**
	9/5/2012		**6,990**	**15,800**	**124 I**	**118 I**	**7,760**
	2/29/2016		**19 I**	**930**	35	5.4 I	**1,800**
MW0101	3/25/2010	2 to 12	0.24 U	9.8	0.4 I	0.29 U	**10.9**
MW0102	3/25/2010	15 to 25	3.3	**176**	7.7	2.2	**708**
MW0103	3/25/2010	29 to 34	**24 U**	**6,500**	34 U	**29 U**	**2,470**
MW0104	3/25/2010	40 to 45	**30.2**	**1,160**	9.5	0.29 U	**3,280**
	9/20/2011		**7.2 U**	**147**	3.8 U	3.2 U	**1,870**
MW0105	3/25/2010	15 to 25	**862**	**1,500**	17 U	**15 U**	**1,140**
	9/20/2011		0.36 U	1.13	0.19 U	0.16 U	0.81 I
	9/5/2012		0.360 U	1.08	0.190 U	0.160 U	0.360 U

Table 3-1. Monitoring Well Sampling Results: Volatile Organic Compounds
Wilson Corners, SWMU 001

Location	Sample Date	Screen Interval (ft BLS)	Concentration (µg/L)				
			TCE	cDCE	tDCE	1,1-DCE	VC
Groundwater Cleanup Target Level (µg/L)			**3**	**70**	**100**	**7**	**1**
Natural Attenuation Default Criteria (µg/L)			**300**	**700**	**1,000**	**70**	**100**
MW0106	3/25/2010	15 to 25	0.24 U	0.32 U	0.34 U	0.29 U	0.28 U
	3/16/2011		0.36 U	0.36 U	0.19 U	0.16 U	0.36 U
	9/20/2011		0.36 U	0.36 U	0.19 U	0.16 U	0.36 U
	9/5/2012		0.360 U	0.360 U	0.190 U	0.160 U	0.360 U
	12/15/2015		0.36 U	0.98 I	0.19 U	0.16 U	0.4 I
MW0107	4/8/2010	15 to 25	**4.4**	**81**	10.9	0.32 I	**348**
	9/19/2011		**3.8**	9.95	3.17	0.16 U	**71.8**
MW0108	4/8/2010	2 to 12	**209**	**896**	5.9 I	2.9 U	**168**
	9/19/2011		**113**	**2,360**	19.6 I	3.2 U	**331**
MW0109	3/26/2010	15 to 25	0.24 U	39.8	0.51 I	0.29 U	**21.8**
	9/19/2011		1.44 U	**93.2**	2.16 I	0.64 U	**514**
	9/5/2012		0.360 U	23.9	1.45	0.160 U	**896**
	12/23/2013		1.5 U	51	2.4 I	0.64 U	**830**
	12/18/2014		1.5 U	4.6	2.6 I	0.64 U	**28**
	12/15/2015		0.36 U	2.5	1.6	0.16 U	**11**
MW0110	4/7/2010	15 to 25	**167**	**3,690**	17.5 I	**15 U**	**3,630**
	3/17/2011		**164**	**6,200**	18.6	**7.83**	**2,930**
	9/20/2011		**112 I**	**3,130**	38 U	**32 U**	**2,610**
MW0111	3/25/2010	29 to 34	0.24 U	0.35 I	3.4	0.29 U	**3**
MW0112	3/25/2010	40 to 45	0.24 U	0.32 U	0.34 U	0.29 U	0.28 U
MW0113	3/25/2010	2 to 12	0.24 U	4.6	0.34 I	0.29 U	**8.4**
MW0114	3/25/2010	15 to 25	0.24 U	0.41 I	0.34 U	0.29 U	0.28 U
MW0115	3/26/2010	15 to 25	0.24 U	0.32 U	0.34 U	0.29 U	0.28 U
	3/17/2011		2.65	24.3	0.19 U	0.16 U	**36.1**
	9/19/2011		2.66	**85.9**	0.38 U	0.32 U	**112**
	9/6/2012		0.360 U	0.360 U	0.190 U	0.160 U	0.360 U
	12/23/2013		0.36 U	0.36 U	0.19 U	0.16 U	0.36 U
	12/18/2014		0.36 U	0.36 U	0.19 U	0.16 U	0.36 U
	12/16/2015		0.36 U	0.36 U	0.19 U	0.16 U	0.36 U
MW0116	3/26/2010	15 to 25	1.4 I	**105**	13.4	1.8 I	**1,860**
	9/19/2011		**18 U**	**1,110**	29 I	8 U	**3,260**
	9/6/2012		**14.4 U**	**1,090**	21.6 I	6.40 U	**2,870**
	12/23/2013		0.36 U	9.9	5.6	0.16 U	**64**
	12/18/2014		0.36 U	6.1	3	0.16 U	**100**
	12/16/2015		0.43 I	31	2.4	0.16 U	**140**
MW0117	3/25/2010	15 to 25	**362**	**11,200**	68 U	**58 U**	**2,770**
	3/17/2011		**598**	**10,600**	20.5	**14.6**	**3,650**
	9/19/2011		0.36 U	4.45	0.36 I	0.16 U	**6.3**
	9/6/2012		0.360 U	60.8	3.89	0.420 I	**130**
MW0118	3/25/2010	40 to 45	**3.6**	**82.6**	0.66 I	0.29 U	**210**
	9/19/2011		0.36 U	6.11	0.34 I	0.16 U	**62.1**
	9/6/2012		0.380 I	2.63	0.380 I	0.160 U	**26.7**
	12/23/2013		0.36 U	0.74 I	0.19 U	0.16 U	**8**
	12/18/2014		0.36 U	1.4	0.5 I	0.16 U	**9.3**
	12/16/2015		0.36 U	0.48 I	0.19 U	0.16 U	**2.4**
MW0119	3/26/2010	29 to 34	0.24 U	0.32 U	0.34 U	0.29 U	0.28 U
MW0120	3/26/2010	40 to 45	0.24 U	0.32 U	0.34 U	0.29 U	0.28 U
	12/23/2013		0.36 U	0.36 U	0.19 U	0.16 U	0.36 U
	12/18/2014		0.36 U	0.36 U	0.19 U	0.16 U	0.36 U
	12/16/2015		0.36 U	0.36 U	0.19 U	0.16 U	0.36 U
MW0121	3/26/2010	40 to 45	0.24 U	0.32 U	0.34 U	0.29 U	0.28 U
MW0122	3/26/2010	15 to 25	0.24 U	4.7	0.34 U	0.29 U	**11.5**
	9/19/2011		0.36 U	0.36 U	0.19 U	0.16 U	**6.89**
	9/6/2012		0.360 U	0.360 U	0.190 U	0.160 U	0.360 U
	12/23/2013		0.36 U	0.36 U	0.19 U	0.16 U	0.66 I
	12/18/2014		0.36 U	0.36 U	0.19 U	0.16 U	0.36 U
	12/16/2015		0.36 U	0.36 U	0.19 U	0.16 U	0.37 I
MW0123	5/4/2010	2 to 12	0.24 U	0.32 U	0.34 U	0.29 U	0.28 U
	9/19/2011		0.36 U	0.36 U	0.19 U	0.16 U	0.36 U
	9/6/2012		0.360 U	0.360 U	0.190 U	0.160 U	0.360 U
MW0124	5/4/2010	15 to 25	0.24 U	0.32 U	3.4	0.29 U	**1.5**
MW0125	9/13/2010	15 to 25	0.16 U	0.36 U	0.12 U	0.16 U	0.22 U
	3/17/2011		0.36 U	1.51	0.19 U	0.16 U	0.4 I
	9/19/2011		0.36 U	0.36 U	0.19 U	0.16 U	0.36 U
	12/23/2013		0.36 U	0.36 U	0.19 U	0.16 U	0.36 U
	12/19/2014		0.36 U	0.36 U	0.19 U	0.16 U	0.36 U
	12/15/2015		0.36 U	0.36 U	0.19 U	0.16 U	0.54 I
MW0126	9/13/2010	15 to 25	0.16 U	0.36 U	0.12 U	0.16 U	0.22 U
	9/5/2012		0.360 U	0.360 U	0.190 U	0.160 U	0.360 U
	12/23/2013		0.36 U	0.36 U	0.19 U	0.16 U	0.36 U
	12/18/2014		0.36 U	0.36 U	0.19 U	0.16 U	0.36 U
	12/15/2015		0.36 U	0.36 U	0.19 U	0.16 U	0.36 U
MW0127	9/13/2010	15 to 25	0.16 U	0.36 U	0.12 U	0.16 U	0.22 U
MW0128	9/13/2010	15 to 25	0.16 U	0.36 U	0.12 U	0.16 U	0.22 U
	9/19/2011		0.36 U	0.36 U	0.19 U	0.16 U	0.36 U
MW0129	9/13/2010	15 to 25	0.16 U	2.3	0.228 I	0.16 U	**1.51**
	3/16/2011		0.36 U	0.55 I	0.2 I	0.16 U	0.68 I
	9/20/2011		2.71	30.6	1.22	0.16 U	**7.15**
MW0130	10/26/2012	56 to 66	**6.6 U,I**	9 I	20 U	**20 U**	**12 I**
	12/19/2014		**6.7**	11	0.19 U	0.16 U	**150**
	12/15/2015		**8.4**	**780**	0.95 U	2.1 I	**180**
MW0131	10/26/2012	58 to 68	**6,300**	**1,300**	50 U	**50 U**	**16 U,I**
	12/10/2012		**1,500**	**4,400**	100 U	**100 U**	**85 I**
	07/16/2013		**20,000**	**16,000**	30 I	**86 I**	**88 I**
	12/23/2013		0.79 I	8.3	0.19 U	0.16 U	**28**
	1/22/2014		**5.9**	**250**	1.2	0.87 I	**78**
NPSH-MW0005	5/1/1989	30 to 35	**37,000**	NA	**42,000**	NA	1 U
	5/15/1989		**10,600**	NA	**13,000**	NA	**229**
	5/17/1989		**5,900**	NA	**8,000**	NA	**137**
	5/19/1989		**14,000**	NA	**29,000**	NA	1 U
	5/22/1989		**23,000**	NA	**40,000**	NA	1 U
	5/24/1989		**15,000**	NA	**58,000**	NA	1 U
	5/26/1989		**8,720**	NA	**26,300**	NA	**7,160**
	6/7/1989		**10,000**	NA	**15,600**	NA	**2,170**
	6/14/1989		**8,190**	NA	**1,052**	NA	**1,790**
	6/28/1989		**6,130**	NA	**11,000**	NA	**1,880**
	8/3/1989		**9,850**	NA	**20,700**	NA	**11,000**
	8/16/1989		**12,200**	NA	**24,000**	NA	**5,300**
	8/30/1989		**8,250**	NA	**14,000**	NA	**3,930**
	9/13/1989		**9,200**	NA	**13,100**	NA	**6,400**
	9/27/1989		**7,000**	NA	**16,000**	NA	**5,600**
	10/18/1989		**7,600**	NA	**15,300**	NA	**2,900**
	11/15/1989		**4,340**	NA	**1,480**	NA	**1,950**
	12/13/1989		**3,500**	NA	**8,690**	NA	**2,360**
	1/18/1990		**4,090**	NA	**11,700**	NA	**1,700**
	2/14/1990		**3,890**	NA	**23,330**	NA	**1,020**
	3/14/1990		**2,400**	NA	**11,000**	NA	**1,330**
	4/11/1990		**3,800**	NA	**18,000**	NA	**100 U**
	5/16/1990		**3,920**	NA	**22,300**	NA	**3,920**
	6/13/1990		**4,670**	NA	**7,240**	NA	**3,130**
	7/11/1990		**2,840**	NA	**12,400**	NA	**640**
	8/15/1990		**3,560**	NA	**9,300**	NA	**5,140**
	9/19/1990		**4,160**	NA	**15,600**	NA	**100 U**
	3/1/1991		**3,010**	NA	**5,160**	NA	**1,040**
	9/1/1999		1	**190**	1	NA	**180**
	3/27/2001		2 U	2	2 U	NA	1.3
	12/17/2001		1.6 J	33.3	1.2 J	NA	**113**
	4/2/2002		1.3	54.9	2.6	NA	**207**
NPSH-MW0005	10/17/2002*	30 to 35	**10 U**	68.5	4.5	NA	**312**
	12/17/2002		1 U	69.8	3.67	NA	**779**
	7/27/2005		1 U	1 U	1 U	1 U	1 U
	9/17/2009		**50**	**720**	13 I	**15 I**	**2,100**
	9/13/2010		**60 I,Q**	**1,960 Q**	12 Q,U	**16 Q,U**	**3,300 Q**
	3/17/2011		**115**	**4,050**	19.8	**10.4**	**4,570**
	9/19/2011		**66 I**	**3,720**	19 U	**16 U**	**4,990**
	9/5/2012		**18.0 U**	**2,140**	13.5 I	8.00 U	**6,090**

Table 3-1. Monitoring Well Sampling Results: Volatile Organic Compounds
Wilson Corners, SWMU 001

Location	Sample Date	Screen Interval (ft BLS)	Concentration (µg/L)				
			TCE	cDCE	tDCE	1,1-DCE	VC
Groundwater Cleanup Target Level (µg/L)			**3**	**70**	**100**	**7**	**1**
Natural Attenuation Default Criteria (µg/L)			**300**	**700**	**1,000**	**70**	**100**
NPSH-MW0007	5/2/1989	9.5 to 14.5	1 U	NA	1 U	NA	1 U
	4/10/1990		1 U	NA	1 U	NA	1 U
	5/14/1990		1 U	NA	1 U	NA	1 U
	6/11/1990		1 U	NA	1 U	NA	1 U
	7/9/1990		1 U	NA	1 U	NA	1 U
	8/14/1990		1 U	NA	1 U	NA	1 U
	9/13/1990		1 U	NA	1 U	NA	1 U
	7/28/2005		1 U	1 U	1 U	1 U	1 U
	10/5/2007		1 U	1 U	1 U	1 U	1 U
NPSH-MW0008	5/4/1989	20 to 35	1 U	NA	**546**	NA	1 U
	6/16/1989		**10 U**	NA	**585**	NA	**385**
	8/17/1989		**40**	NA	10 U	NA	10 U
	9/13/1989		1 U	NA	1 U	NA	1 U
	10/19/1989		1 U	NA	1 U	NA	1 U
	11/15/1989		**4**	NA	1 U	NA	1 U
	1/18/1990		**14**	NA	1 U	NA	1 U
	2/14/1990		3	NA	15	NA	1 U
	3/14/1990		1 U	NA	**138**	NA	**75**
	4/12/1990		**5**	NA	11	NA	1 U
	5/16/1990		1 U	NA	1 U	NA	1 U
	6/13/1990		**7**	NA	1 U	NA	1 U
	7/11/1990		5 U	NA	1 U	NA	1 U
	8/15/1990		**7**	NA	1 U	NA	1 U
	9/19/1990		**15**	NA	1 U	NA	1 U
	1/3/2002		2 U	2 U	2 U	NA	1 U
	3/27/2002		2 U	2 U	2 U	NA	1 U
	10/15/2002		**27.4**	2 U	2 U	NA	1 U
	5/19/2005		**716**	**631**	8.62	1.51	**618**
	7/25/2005		**870**	**1,000**	200 U	**200 U**	**810**
	12/19/2006		**20 U**	**1,350**	14.3 I	**20 U**	**1,390**
	6/12/2007		**55.9**	**76**	20 U	**20 U**	**549**
	7/23/2008		1 U	1 U	2.6	1 U	**5.3**
	12/18/2008		0.32 U	1.2	0.87 I	0.54 U	0.3 U
	7/22/2009		1.4 I	1.3 I	2.3	2 U	**2.2**
	12/8/2009		0.32 U	0.2 U	3.4	0.54 U	0.67 I
NPSH-MW0009	10/5/2007	29 to 34	1 U	1 U	1 U	1 U	1 U
NPSH-MW0010	7/25/2005	29 to 34	1 U	1 U	1 U	1 U	1 U
NPSH-MW0011	5/2/1989	28 to 33	1 U	NA	1 U	NA	1 U
	6/13/1989		**9**	NA	1 U	NA	1 U
	7/17/1989		1 U	NA	1 U	NA	1 U
	8/15/1989		1 U	NA	1 U	NA	1 U
	9/11/1989		1 U	NA	1 U	NA	1 U
	10/16/1989		1 U	NA	1 U	NA	1 U
	11/14/1989		1 U	NA	1 U	NA	1 U
	12/11/1989		1 U	NA	1 U	NA	1 U
	1/16/1990		1 U	NA	1 U	NA	1 U
	2/12/1990		1 U	NA	1 U	NA	1 U
	3/12/1990		1 U	NA	1 U	NA	1 U
	4/9/1990		1 U	NA	1 U	NA	1 U
	5/14/1990		1 U	NA	1 U	NA	1 U
	6/11/1990		1 U	NA	1 U	NA	1 U
	7/9/1990		1 U	NA	1 U	NA	1 U
	8/13/1990		1 U	NA	1 U	NA	1 U
	9/13/1990		1 U	NA	1 U	NA	1 U
	4/4/2002		2 U	2 U	2 U	NA	1 U
	5/18/2005		1 U	4.94	1 U	1 U	1 U
	12/19/2006		1 U	0.75 I	1 U	1 U	**56.6**
	8/1/2008		0.23 U	0.32 I	0.32 U	0.39 U	0.96
	7/22/2009		1 U	1 U	1 U	1 U	1 U
NPSH-MW0013	5/2/1989	29 to 34	1 U	NA	1 U	NA	1 U
	6/14/1989		1 U	NA	1 U	NA	1 U
	7/18/1989		1 U	NA	1 U	NA	1 U
	8/16/1989		1 U	NA	1 U	NA	1 U
	9/13/1989		1 U	NA	1 U	NA	1 U
	10/19/1989		1 U	NA	1 U	NA	1 U
	11/16/1989		1 U	NA	1 U	NA	1 U
	12/12/1989		1 U	NA	1 U	NA	1 U
	1/18/1990		1 U	NA	1 U	NA	1 U
	2/13/1990		1 U	NA	1 U	NA	1 U
	3/13/1990		1 U	NA	1 U	NA	1 U
	4/10/1990		1 U	NA	1 U	NA	1 U
	5/15/1990		1 U	NA	1 U	NA	1 U
	6/12/1990		1 U	NA	1 U	NA	1 U
	7/10/1990		1 U	NA	1 U	NA	1 U
	8/14/1990		1 U	NA	1 U	NA	1 U
	9/14/1990		1 U	NA	1 U	NA	1 U
	1/3/2002		2 U	2 U	2 U	NA	1 U
	3/28/2002		2 U	1.9 J	2 U	NA	1 U
	7/28/2005		1 U	1 U	1 U	1 U	1 U
NPSH-MW0015	5/1/1989	29 to 34	1 U	NA	**222**	NA	1 U
	6/14/1989		1 U	NA	85	NA	1 U
	8/16/1989		**59**	NA	63	NA	**374**
	9/13/1989		**559**	NA	47	NA	1 U
	10/19/1989		1 U	NA	13	NA	**249**
	11/15/1989		1 U	NA	28	NA	**167**
	12/13/1989		1 U	NA	1 U	NA	**217**
	1/18/1990		1 U	NA	16	NA	**44**
	2/14/1990		1 U	NA	8	NA	**62**
	3/14/1990		1 U	NA	25	NA	**95**
	4/11/1990		1 U	NA	1 U	NA	**422**
	5/16/1990		1 U	NA	1 U	NA	**174**
	6/13/1990		3	NA	8	NA	1 U
	7/11/1990		1 U	NA	1 U	NA	**145**
	8/15/1990		1 U	NA	1 U	NA	**169**
	9/19/1990		1 U	NA	1 U	NA	**809**
	3/1/1991		3	NA	1	NA	**121**
	9/1/1999		ND	ND	ND	NA	ND
	4/4/2002		2 U	2 U	2 U	NA	1 U
	5/18/2005		**120**	**346**	5.67	4.65	**64.9**
	7/23/2009		**13**	**160**	5 U	5 U	**130**
	12/16/2015		0.36 U	2.5 V	1.1	0.16 U	**3.6**
NPSH-MW0016	5/1/1989	29 to 34	1 U	NA	1 U	NA	1 U
	6/14/1989		1 U	NA	8	NA	**12**
	8/16/1989		1 U	NA	1 U	NA	1 U
	9/13/1989		1 U	NA	1 U	NA	1 U
	10/19/1989		**4**	NA	9	NA	**90**
	11/15/1989		2	NA	1 U	NA	**14**
	12/13/1989		1 U	NA	4	NA	1 U
	1/18/1990		1 U	NA	9	NA	1 U
	2/14/1990		1 U	NA	5	NA	1 U
	3/14/1990		1 U	NA	1 U	NA	1 U
	4/11/1990		1 U	NA	1 U	NA	1 U
	5/16/1990		**12**	NA	24	NA	**53**
	6/13/1990		**27**	NA	43	NA	1 U
	7/11/1990		**24**	NA	**113**	NA	**30**
	8/15/1990		**27**	NA	85	NA	**234**
	9/19/1990		**88**	NA	**503**	NA	**1,030**
	3/1/1991		**342**	NA	**1,290**	NA	**2,100**
	9/1/1999		**5**	12	ND	NA	**4**
	3/27/2001		2 U	0.80 J	2 U	NA	1 U
	1/3/2002		2 U	2 U	2 U	NA	1 U
	3/28/2002		2 U	0.75 J	2 U	NA	1 U
	10/4/2002		2 U	2 U	2 U	NA	1 U
	7/27/2005		**13**	**560**	10 U	10 U	**160**
	8/12/2009		**10**	**530**	9	1.6 I	**1,200**
	9/8/2010		2.48 I	**325**	2.76 I	1.6 U	**821**
	3/16/2011		3	**175**	6.25	0.16 U	**1,050**
	9/20/2011		3.6 U	**278**	3.5 I	1.6 U	**1,130**
	9/16/2012		2.93	**712**	11.9	3.31	**3,660**
	12/23/2013		3.6 U	**110**	5.1 I	1.6 U	**790**
	12/18/2014		2.3 I	**550**	16	3.7 I	**5,100**
	12/15/2015		3.6 U	**98**	5.7 I	1.6 U	**800**

Table 3-1. Monitoring Well Sampling Results: Volatile Organic Compounds
Wilson Corners, SWMU 001

Location	Sample Date	Screen Interval (ft BLS)	Concentration (µg/L)				
			TCE	cDCE	tDCE	1,1-DCE	VC
Groundwater Cleanup Target Level (µg/L)			**3**	**70**	**100**	**7**	**1**
Natural Attenuation Default Criteria (µg/L)			**300**	**700**	**1,000**	**70**	**100**
NPSH-MW0017	5/1/1989	29 to 34	1 U	NA	**131**	NA	1 U
	6/14/1989		1 U	NA	**131**	NA	**580**
	8/16/1989		**4**	NA	**639**	NA	**3,344**
	9/13/1989		**76**	NA	**545**	NA	**2,530**
	10/19/1989		**30**	NA	**820**	NA	**700**
	11/15/1989		**1,410**	NA	**6,930**	NA	**12,500**
	12/13/1989		**370**	NA	**752**	NA	**1,480**
	1/18/1990		**566**	NA	**2,200**	NA	**3,341**
	2/14/1990		**388**	NA	**1,760**	NA	**861**
	3/14/1990		**584**	NA	**2,540**	NA	**1,380**
	4/11/1990		**2,780**	NA	**4,850**	NA	**17,500**
	5/16/1990		**1,370**	NA	**2,520**	NA	**2,540**
	6/13/1990		**2,520**	NA	**3,370**	NA	**100 U**
	7/11/1990		**1,390**	NA	**5,990**	NA	**1,470**
	8/15/1990		**1,300**	NA	**7,080**	NA	**5,170**
	9/19/1990		**2,270**	NA	**9,940**	NA	**10,400**
	3/1/1991		**1,220**	NA	**3,970**	NA	**7,730**
	9/1/1999		ND	60	ND	NA	**90**
	3/27/2001		2 U	2.3	2 U	NA	1.2
	1/3/2002		2 U	1.5 J	2 U	NA	0.88 J
	3/28/2002		1.2 J	1.6	2 U	NA	0.84 J
	10/15/2002*		**23.7**	2 U	2 U	NA	1.0
	12/17/2002		1 U	1 U	1 U	NA	1 U
	12/17/2004		1.9 J	1.6 J	ND	NA	ND
	7/27/2005		1	4	1 U	1 U	1 U
	8/12/2009		1.3	5.1	6.5	1 U	**36.6**
	12/23/2013		**18 U**	**72**	14 I	8 U	**4,500**
	12/18/2014		**18 U**	**110**	9.5 U	8 U	**6,000**
	12/15/2015		**18 U**	**320**	15 I	8 U	**4,000**
NPSH-MW0018	5/2/1989	29 to 34	1 U	NA	1 U	NA	1 U
	6/13/1989		1 U	NA	1 U	NA	1 U
	7/17/1989		1 U	NA	1 U	NA	1 U
	8/14/1989		1 U	NA	1 U	NA	1 U
	9/11/1989		1 U	NA	1 U	NA	1 U
	10/16/1989		1 U	NA	1 U	NA	1 U
	11/14/1989		1 U	NA	1 U	NA	1 U
	12/11/1989		1 U	NA	1 U	NA	1 U
	1/16/1990		1 U	NA	1 U	NA	1 U
	2/12/1990		1 U	NA	1 U	NA	1 U
	3/12/1990		1 U	NA	1 U	NA	1 U
	4/9/1990		1 U	NA	1 U	NA	1 U
	5/14/1990		1 U	NA	1 U	NA	1 U
	6/11/1990		1 U	NA	1 U	NA	1 U
	7/9/1990		1 U	NA	1 U	NA	1 U
	8/13/1990		1 U	NA	1 U	NA	1 U
	9/13/1990		1 U	NA	1 U	NA	1 U
	9/1/1999		ND	ND	ND	NA	ND
	4/4/2002		2 U	2 U	2 U	NA	1 U
	10/16/2002		**15.2**	6.7	2 U	NA	1 U
	12/17/2002		1 U	1 U	1 U	NA	1 U
	12/17/2004		ND	ND	ND	NA	ND
	5/19/2005		1 U	1 U	1 U	1 U	1 U
	7/23/2009		1 U	1 U	1 U	1 U	1 U
NPSH-MW0019	5/3/1989	29 to 34	1 U	NA	1 U	NA	1 U
	6/14/1989		1 U	NA	3	NA	**45**
	7/18/1989		1 U	NA	1 U	NA	**51**
	8/16/1989		1 U	NA	1 U	NA	1 U
	9/13/1989		1 U	NA	1 U	NA	1 U
	10/20/1989		1 U	NA	1 U	NA	1 U
	11/16/1989		1 U	NA	1 U	NA	**25**
	12/13/1989		1 U	NA	1 U	NA	1 U
	1/18/1990		1 U	NA	5	NA	**10**
	2/14/1990		1 U	NA	7	NA	**25**
	3/13/1990		1 U	NA	1 U	NA	**11**
	4/11/1990		1 U	NA	2	NA	**109**
	5/15/1990		1 U	NA	1 U	NA	1 U
	6/12/1990		1 U	NA	1 U	NA	1 U
	7/10/1990		1 U	NA	1 U	NA	**13**
	8/14/1990		1 U	NA	1 U	NA	1 U
	9/13/1990		1 U	NA	1 U	NA	**8**
	9/1/1999		ND	ND	ND	NA	ND
	3/26/2001		2 U	6.4	0.88 J	NA	**2.9**
	12/21/2001		2 U	1.1 J	1.0 J	NA	**1.5**
	3/26/2002		2 U	0.63 J	0.58 J	NA	1 U
	6/12/2007		1 U	1 U	1 U	1 U	1 U
	7/31/2008		0.23 U	0.14 U	0.32 U	0.39 U	0.21 U
	7/21/2009		1 U	1 U	1 U	1 U	1 U
	9/8/2010		0.16 U	0.36 U	0.12 U	0.16 U	0.759 I
	9/5/2012		0.360 U	0.360 U	0.190 U	0.160 U	0.360 U
	12/23/2013		0.36 U	0.36 U	0.3 I	0.16 U	0.36 U
	12/18/2014		0.36 U	0.91 I	0.68 I	0.16 U	**8.7**
	12/15/2015		0.36 U	0.36 U	0.66 I	0.16 U	0.96 I
NPSH-MW0020	5/4/1989	29 to 34	**41**	NA	**153**	NA	1 U
	6/15/1989		**55**	NA	66	NA	**150**
	7/19/1989		**39**	NA	**119**	NA	**411**
	8/17/1989		**11**	NA	81	NA	**286**
	9/14/1989		**35**	NA	**120**	NA	**35**
	10/20/1989		**70**	NA	**235**	NA	**275**
	11/17/1989		**182**	NA	**920**	NA	**243**
	12/13/1989		**195**	NA	**579**	NA	**195**
	1/19/1990		**258**	NA	**1,300**	NA	**51**
	2/14/1990		**346**	NA	**2,250**	NA	**206**
	3/15/1990		**524**	NA	**3,360**	NA	**218**
	4/12/1990		**300**	NA	**1,870**	NA	**1,250**
	5/16/1990		**184**	NA	**851**	NA	**390**
	6/13/1990		**326**	NA	**2,060**	NA	**720**
	7/11/1990		**366**	NA	**246**	NA	**888**
	8/15/1990		**157**	NA	**1,030**	NA	**518**
	9/17/1990		**200**	NA	**2,750**	NA	**10 U**
	3/1/1991		**76**	NA	**2,250**	NA	**1,500**
	9/1/1999		ND	ND	ND	NA	ND
	4/4/2002		2 U	2 U	2 U	NA	1 U
	10/16/2002		**7.8**	2	2 U	NA	1 U
	12/17/2002		1 U	1 U	1 U	NA	1 U
	7/28/2005		1 U	1 U	1 U	1 U	1 U
	12/19/2006		1 U	1 U	1 U	1 U	0.88 I
	8/1/2008		0.23 U	0.61 I	0.32 U	0.39 U	1.1
	7/22/2009		1 U	8.7	1 U	1 U	**2.4**
	9/15/2010		0.16 U	**89.5**	0.66 I	0.16 U	**79.7**
	9/19/2011		0.72 U	24.3	0.7 I	0.32 U	**180**
	9/5/2012		0.360 U	4.80	0.210 I	0.160 U	**45**
	12/23/2013		0.36 U	2	1.1	0.16 U	**28**
	12/18/2014		0.36 U	0.63 I	1	0.16 U	**2**
	12/15/2015		0.36 U	2.1	2	0.16 U	**7.6**

Table 3-1. Monitoring Well Sampling Results: Volatile Organic Compounds
Wilson Corners, SWMU 001

Location	Sample Date	Screen Interval (ft BLS)	Concentration (µg/L)				
			TCE	cDCE	tDCE	1,1-DCE	VC
Groundwater Cleanup Target Level (µg/L)			**3**	**70**	**100**	**7**	**1**
Natural Attenuation Default Criteria (µg/L)			**300**	**700**	**1,000**	**70**	**100**
NPSH-MW0021	5/3/1989	29 to 34	1 U	NA	1 U	NA	1 U
	6/13/1989		1 U	NA	1 U	NA	1 U
	7/17/1989		1 U	NA	1 U	NA	1 U
	8/14/1989		1 U	NA	1 U	NA	1 U
	9/11/1989		1 U	NA	1 U	NA	1 U
	10/16/1989		1 U	NA	1 U	NA	1 U
	11/14/1989		1 U	NA	1 U	NA	1 U
	12/11/1989		1 U	NA	1 U	NA	1 U
	1/16/1990		1 U	NA	1 U	NA	1 U
	2/12/1990		1 U	NA	1 U	NA	1 U
	3/12/1990		1 U	NA	1 U	NA	1 U
	4/9/1990		1 U	NA	1 U	NA	1 U
	5/14/1990		1 U	NA	1 U	NA	1 U
	6/11/1990		1 U	NA	1 U	NA	1 U
	7/9/1990		1 U	NA	1 U	NA	1 U
	8/13/1990		1 U	NA	1 U	NA	1 U
	9/13/1990		1 U	NA	1 U	NA	1 U
	9/1/1999		ND	ND	ND	NA	ND
	4/4/2002		2 U	2 U	2 U	NA	1 U
	12/17/2004		1.2 J	ND	ND	NA	ND
	5/18/2005		1 U	1 U	1 U	1 U	1 U
	8/12/2009		1 U	1 U	1 U	1 U	1 U
NPSH-MW0022	8/12/2009	29 to 34	1 U	1 U	1 U	1 U	1 U
	9/15/2010		0.64 U	1.44 U	0.48 U	0.64 U	0.88 U
	3/17/2011		0.36 U	0.36 U	0.19 U	0.16 U	0.36 U
	9/20/2011		0.36 U	0.36 U	0.19 U	0.16 U	0.36 U
	9/5/2012		0.360 U	0.360 U	0.190 U	0.160 U	0.360 U
	12/23/2013		0.36 U	0.36 U	0.19 U	0.16 U	0.36 U
	12/18/2014		0.36 U	0.36 U	0.19 U	0.16 U	0.36 U
	12/15/2015		0.36 U	0.36 U	0.19 U	0.16 U	0.36 U
NPSH-MW0023	5/1/1989	37.5 to 42.5	1 U	NA	1 U	NA	1 U
	6/13/1989		1 U	NA	1 U	NA	1 U
	7/17/1989		1 U	NA	1 U	NA	1 U
	8/14/1989		1 U	NA	1 U	NA	1 U
	9/11/1989		1 U	NA	1 U	NA	1 U
	10/19/1989		1 U	NA	1 U	NA	1 U
	11/14/1989		1 U	NA	1 U	NA	1 U
	12/12/1989		1 U	NA	1 U	NA	1 U
	1/16/1990		1 U	NA	1 U	NA	1 U
	2/12/1990		1 U	NA	1 U	NA	1 U
	3/12/1990		1 U	NA	1 U	NA	1 U
	4/9/1990		1 U	NA	1 U	NA	1 U
	5/14/1990		1 U	NA	1 U	NA	1 U
	6/11/1990		1 U	NA	1 U	NA	1 U
	7/9/1990		1 U	NA	1 U	NA	1 U
	8/13/1990		1 U	NA	1 U	NA	1 U
	9/13/1990		1 U	NA	1 U	NA	1 U
	9/1/1999		ND	ND	ND	NA	ND
	5/18/2005		1 U	1 U	1 U	1 U	1 U
	12/20/2006		1 U	1 U	1 U	1 U	1 U
	8/1/2008		0.32 U	3	0.45 U	0.54 U	0.7 I
	7/21/2009		1 U	3.8	1 U	1 U	1.3
	9/15/2010		0.16 U	0.49 I	0.12 U	0.16 U	0.78 I
	9/19/2011		0.36 U	1.63	0.19 U	0.16 U	**3.37**
	9/6/2012		0.360 U	0.360 U	0.190 U	0.160 U	0.360 U
NPSH-MW0024	5/17/1990	46 to 51	**100 U**	NA	**3,180**	NA	**100 U**
	6/13/1990		**142**	NA	**376**	NA	**807**
	7/11/1990		**134**	NA	**154**	NA	**837**
	8/16/1990		**68**	NA	**131**	NA	**929**
	9/17/1990		**70**	NA	**470**	NA	**10 U**
	9/1/1999		**2,000**	**6,600**	21	NA	**980**
	3/26/2001		**2,450**	**13,200**	40 U	NA	**946**
	12/17/2001		**1,470**	**11,600**	**400 U**	NA	**803**
	3/26/2002		**2,190**	**13,000**	41	NA	**841**
	10/15/2002		**1,420**	**13,400**	**1,000 U**	NA	**981**
	2/9/2005[DL]		ND	**2,000**	NA	NA	**430**
	7/25/2005		**200 U**	**2,800**	200 U	**200 U**	**200 U**
	12/20/2006		2 U	**76.7**	1 I	2 U	**189**
	7/21/2008		1 U	1 U	1 U	1 U	1 U
	7/16/2009		1 U	1 U	1 U	1 U	1 U
	9/8/2010		**80 U**	**200 I**	**1,490**	**80 U**	**884**
NPSH-MW0025	5/16/1990	40 to 45	1 U	NA	1 U	NA	1 U
	6/13/1990		3	NA	6	NA	1 U
	7/11/1990		1 U	NA	9	NA	1 U
	8/16/1990		1 U	NA	1 U	NA	1 U
	9/14/1990		1 U	NA	1 U	NA	1 U
	9/1/1999		ND	ND	ND	NA	ND
	4/2/2002		2 U	2 U	2 U	NA	1 U
	10/17/2002*		**3.9**	0.57 J	2 U	NA	1 U
	12/17/2002		1 U	1 U	1 U	NA	1 U
	12/20/2006		1 U	1 U	1 U	1 U	1 U
	7/31/2008		0.32 U	0.2 U	0.45 U	0.54 U	0.3 U
	7/17/2009		1 U	1 U	1 U	1 U	1 U
	9/15/2010		0.16 U	0.36 U	0.12 U	0.16 U	0.22 U
	9/19/2011		0.36 U	1.84	0.19 U	0.16 U	**4.02**
	9/5/2012		0.360 U	1.51	0.190 U	0.160 U	**3.16**
	12/23/2013		0.36 U	0.36 U	0.19 U	0.16 U	0.36 U
	12/19/2014		0.36 U	0.36 U	0.19 U	0.16 U	0.37 I
	12/15/2015		0.36 U	0.36 U	0.19 U	0.16 U	1.1
NPSH-MW0027	5/16/1990	10 to 15	**76**	NA	**607**	NA	**32**
	6/13/1990		**141**	NA	**389**	NA	**22**
	7/11/1990		**520**	NA	**1,050**	NA	**241**
	8/16/1990		2	NA	7	NA	1 U
	8/16/1990		1 U	NA	5	NA	**6**
	9/1/1990		ND	ND	ND	NA	ND
	10/17/2002		2 U	0.59 J	2 U	NA	0.59
	7/27/2005		**26**	**600**	3 U	3 U	**390**
	12/20/2006		**100 U**	**4,090**	100 U	**100 U**	**932**
	6/13/2007		**50 U**	**2,290**	50 U	**50 U**	**498**
	7/31/2008		**6.3 I**	**2,290**	10	5.4 U	**741**
	12/18/2008		**4.2**	**697**	15.4	5.4 U	**2,380**
	7/22/2009		**13**	**140**	12	5 U	**490**
	12/8/2009		3.4	**90.8**	13.2	1.1 U	**940**
	9/13/2010		**74.4 I**	**4,350**	35.7 I	**16 U**	**5,070**
	3/17/2011		**211**	**284**	13.9	0.8 U	**3,400**
	9/20/2011		**7.2 U**	**992**	8.2 I	3.2 U	**3,730**
	9/6/2012		**7.20 U**	**1,840**	13.2 I	3.20 U	**3,820**
	12/23/2013		1.5 U	46	3 I	0.64 U	**480**
	12/18/2014		7.2 U	**880**	13 I	3.2 U	**3,000**
	12/15/2015		3.6 U	62	2.9 I	1.6 U	**810**
NPSH-MW0030	5/15/1990	43 to 48	1 U	NA	1 U	NA	1 U
	6/12/1990		1 U	NA	1 U	NA	1 U
	7/11/1990		1 U	NA	1 U	NA	1 U
	8/15/1990		1 U	NA	1 U	NA	1 U
	9/14/1990		1 U	NA	1 U	NA	1 U
	9/1/1999		3	ND	ND	NA	ND
	7/27/2005		1 U	1 U	1 U	1 U	1 U
	9/5/2012		0.360 U	0.360 U	0.190 U	0.160 U	0.360 U

Table 3-1. Monitoring Well Sampling Results: Volatile Organic Compounds
Wilson Corners, SWMU 001

Location	Sample Date	Screen Interval (ft BLS)	Concentration (µg/L)				
			TCE	cDCE	tDCE	1,1-DCE	VC
Groundwater Cleanup Target Level (µg/L)			**3**	**70**	**100**	**7**	**1**
Natural Attenuation Default Criteria (µg/L)			**300**	**700**	**1,000**	**70**	**100**
NPSH-MW0031	5/15/1990	10 to 15	1 U	NA	1 U	NA	1 U
	6/13/1990		1 U	NA	1 U	NA	1 U
	7/11/1990		1 U	NA	1 U	NA	1 U
	8/15/1990		1 U	NA	1 U	NA	1 U
	9/26/1990		1 U	NA	1 U	NA	1 U
	9/1/1999		ND	ND	ND	NA	ND
	7/28/2005		1 U	1 U	1 U	1 U	1 U
	12/20/2006		1 U	1 U	1 U	1 U	1 U
	7/31/2008		0.32 U	0.2 U	0.45 U	0.54 U	0.3 U
	7/22/2009		1 U	1 U	1 U	1 U	1 U
	3/17/2011		0.36 U	0.36 U	0.19 U	0.16 U	0.36 U
	9/20/2011		0.36 U	0.36 U	0.19 U	0.16 U	0.36 U
	9/5/2012		0.360 U	0.360 U	0.190 U	0.160 U	0.360 U
NPSH-MW0034	7/27/2005	66.7 to 71.5	1 U	1 U	1 U	1 U	1 U
NPSH-MW0035	7/28/2005	39 to 44	1 U	1 U	1 U	1 U	1 U
	10/5/2007		1 U	1 U	1 U	1 U	1 U
NPSH-MW0036	4/1/2002	3 to 10	2 U	3.1	2 U	NA	1.2
	7/28/2005		1 U	1 U	1 U	1 U	1 U
	8/12/2009		5 U	5 U	5 U	5 U	5 U
NPSH-MW0037	3/28/2002	3 to 10	2 U	2 U	2 U	NA	1 U
	7/27/2005		1 U	1 U	1 U	1 U	1 U
NPSH-MW0038	3/26/2001	30 to 35	2 U	2.9	2 U	NA	1 U
	12/21/2001		2 U	2 U	2 U	NA	1 U
	3/26/2002		2 U	2 U	2 U	NA	1 U
	7/27/2005		**10 U**	**160**	10 U	10 U	**700**
	8/12/2009		1.1	31.8	3	1 U	**110**
NPSH-MW0039	3/28/2002	40 to 45	2 U	2	2 U	NA	1 U
	10/14/2002		1.8 J	2 U	2 U	NA	**1.7**
	12/19/2006		1 U	1 U	1 U	1 U	1.2
	6/12/2007		1 U	1 U	0.52 I	1 U	0.82 I
	7/31/2008		0.32 U	0.58 I	0.73 I	0.54 U	0.3 U
	12/18/2008		0.32 U	0.2 U	0.85 I	0.54 U	0.3 U
	7/21/2009		1 U	1 U	1 U	1 U	1 U
	12/8/2009		0.32 U	0.45 I	1	0.54 U	1
	9/15/2010		0.16 U	14.4	1.28	0.16 U	**20.5**
	3/16/2011		0.36 U	1.55	2.76	0.16 U	0.36 U
	9/20/2011		0.36 U	1.33	3.42	0.16 U	**1.86**
	9/5/2012		0.360 U	0.890 I	2.15	0.160 U	0.360 U
	12/23/2013		0.36 U	0.75 I	0.82 I	0.16 U	0.58 I
	12/18/2014		0.36 U	0.36 U	0.19 U	0.16 U	0.74 I
	12/15/2015		0.36 U	0.8 I	1.1	0.16 U	**15**
NPSH-MW0040	7/27/2005	29 to 34	1 U	1 U	1 U	1 U	1 U
	8/12/2009		1 U	1 U	1 U	1 U	1 U
OBS-MW0001D	7/25/2005	44 to 49	**400 U**	**400 U**	**400 U**	**400 U**	**3,700**
	7/14/2014		**11 U**	**240**	15 U	**15 U**	**2,100**
OBS-MW0002D	7/25/2005	44 to 49	**400 U**	**4,400**	**400 U**	**400 U**	**2,400**
	7/14/2014		0.19 U	1.7	5.7	0.30 U	**83.3**
OBS-MW0004D	5/18/2005	47 to 52	**1,310,000**	**16,600**	**10,000 U**	**10,000 U**	**10,000 U**
	12/18/2006		**800,000**	**13,500 I**	**20,000 U**	**20,000 U**	**20,000 U**
	6/12/2007		**664,000**	**30,500**	**1,000 U**	**1,000 U**	**11,800**
	7/22/2008		**390,000**	**48,000**	**3,300 U**	**2,700 U**	**8,500 I**
	12/18/2008		**181,000**	**174,000**	**900 U**	**1,100 U**	**12,700**
	7/20/2009		**96,000**	**43,000**	**240 I**	**240 I**	**6,800**
	12/7/2009		**294,000**	**191,000**	**647**	**1,340**	**18,800**
	9/8/2010		**141,000**	**148,000**	**347 I**	**623 I**	**21,200**
	9/8/2010 PDB		**175,000**	**77,600**	**468 I**	**664 I**	**28,300**
	3/16/2011		**221,000**	**164,000**	**375 I**	**725**	**17,500**
	9/19/2011		**309,000**	**200,000**	**950 U**	**800 U**	**17,300**
	9/6/2012		**156,000**	**54,400**	**470 I**	**160 U**	**6,610**
	3/4/2016		**230,000**	**350,000**	**800 I**	**2,400**	**75,000**
OBS-MW0005D	7/25/2005	47 to 52	**310,000**	**53,600**	**3,300 U**	**3,300 U**	**3,300 U**
	9/30/2014		**62,000**	**54,000**	**460 I**	**260 I**	**22,000**
	2/29/2016		**50,000**	**89,000**	**410 I**	**270 I**	**30,000**
PW-MW1515	2/16/1990	10 to 15	1 U	NA	1 U	NA	1 U
	3/16/1990		**5**	NA	2	NA	**3**
	4/13/1990		2	NA	5	NA	**100**
	5/17/1990		1 U	NA	1 U	NA	1 U
	6/14/1990		3	NA	1 U	NA	1 U
	7/12/1990		1 U	NA	1 U	NA	1 U
	8/16/1990		1 U	NA	1 U	NA	1 U
	9/17/1990		1 U	NA	1 U	NA	1 U
	4/4/2002		2 U	2 U	2 U	NA	1 U
	5/19/2005		1 U	1 U	1 U	1 U	1 U
	12/19/2006		1 U	1 U	1 U	1 U	**3.2**
	8/1/2008		0.32 U	0.2 U	0.45 U	0.54 U	**3.5**
	7/17/2009		1 U	1 U	1 U	1 U	1.2
	9/15/2010		0.16 U	0.36 U	0.12 U	0.16 U	1.02

Notes:

1. * indicates Asterisk reflects laboratory analytical results for October 2002, which were reported; however, confirmatory re-sampling performed to demonstrate that an unidentified quality assurance problem caused apparent false positive results.
2. DL indicates re-run of sample at a different dilution. There was an "E" qualifier for an analyte at an earlier dilution.
3. I indicates value is less than the practical quatitation limit and greater than the method detection limit.
4. J indicates an estimated value.
5. U indicates not detected above reporting limit.
6. L indicates value exceeds the upper limit of the calibration Range.
7. Q indicates sample held beyond the accepted holding time.
8. E indicates estimated quantity.
9. V indicates the analyte was detected in both the sample and the associated method blank.
10. Yellow shaded, bold text indicates exceedance of Florida Department of Environmental Protection (FDEP) Groundwater Cleanup Target Level.
11. Orange shaded, bold text indicates exceedance of FDEP Natural Attenuaton Default Concentrations.
12. ft BLS indicates feet below land surface.
13. µg/l indicates micrograms per liter.
14. TCE indicates trichloroethene.
15. cDCE indicates *cis* -1,2-dichloroethene.
16. tDCE indicates *trans* -1,2-dichloroethene.
17. 1,1-DCE indicates 1,1-dichloroethene.
18. VC indicates vinyl chloride.
19. PDB indicates duplicate sample collected with a Passive Diffusion Bag.
20. ND indicates not detected.
21. NA indicates not applicable.
22. (dup) indicates duplicate sample result.
23. "-R" at the end of the date indicates the sample was collected after 100 gallons were purged from the well.

Table 3-2. Natural Attenuation Field Sampling Parameters
Wilson Corners, SWMU 001

Sample Location	Screened Interval (ft BLS)	Sample Date	pH	Cond (mS/cm)	Temp (^{o}C)	DO (mg/L)	ORP (mV)	Turb (NTUs)	Color
2 to 12 ft BLS									
MW0046S	2 to 12	5/20/2005	7.24	1.66	22.5	0.9	-110.0	6.00	clear
MW0047S	2 to 12	7/27/2005	6.49	0.763	28.0	0.8	-18.2	0.64	clear brown
		7/31/2008	6.25	0.35	27.0	1.6	39.9	1.57	clear yellow
MW0049S	2 to 12	7/28/2005	6.80	0.119	28.0	0.0	-145.0	3.00	-
		12/21/2006	6.36	0.696	24.5	0.0	-142.0	1.60	clear yellow
		7/23/2008	6.40	0.672	26.5	0.2	-102.7	6.13	clear
		7/20/2009	6.84	0.597	27.1	0.3	-82.9	1.15	clear
		9/13/2010	6.42	0.653	27.9	0.4	13.6	3.60	clear
MW0050S	2 to 12	7/28/2005	6.74	0.18	26.7	0.0	-142.0	0.00	-
MW0052S	2 to 12	7/27/2005	6.05	0.821	26.8	0.0	-100.0	5.80	clear
		12/18/2008	6.80	0.828	24.2	0.6	-197.9	7.70	clear
		12/21/2006	5.60	1.63	24.8	1.4	-73.7	2.40	yellow-brown
		1/15/2007	6.15	1.395	24.4	2.1	-92.5	2.90	brownish
		6/13/2007	6.71	1.336	25.4	0.2	-126.6	0.00	clear
		8/1/2008	6.33	0.919	27.1	0.5	-67.7	0.00	clear
		7/22/2009	6.39	0.792	26.9	0.4	-127.6	0.46	clear/orange
		12/7/2009	6.35	0.905	25.97	0.26	-112.4	4.5	lt. yellow
		9/8/2010	6.26	1.038	28.08	0.52	-198.6	4.1	lt. yellow
		3/17/2011	6.95	1.796	23.78	1.06	-110.2	4.5	clear
		9/19/2011	6.13	0.929	27.19	0.16	-96.5	1.5	clear
MW0053S	2 to 12	5/19/2005	6.50	1.5	24.6	0.0	-128.0	0.67	clear
		12/18/2006	6.00	1.382	24.2	0.3	1.2	1.38	clear yellow
		6/13/2007	5.85	0.71	25.5	0.4	-160.0	5.90	clear
		7/18/2008	6.40	0.73	26.6	0.3	-48.2	2.21	clear yellow
		12/18/2008	7.01	0.912	23.8	0.4	-149.2	4.90	clear
		7/16/2009	6.72	1.075	27.2	0.3	-69.7	1.84	clear
		12/8/2009	6.26	0.821	26.41	0.13	-204.1	4.56	clr yellow
MW0054S	2 to 12	7/21/2008	6.65	0.942	27.4	0.1	-101.7	2.58	clear
MW0055S	2 to 12	5/19/2005	6.19	1.48	24.9	0.0	-83.0	12.03	yellow
MW0056S	2 to 12	5/19/2005	6.11	1.31	24.7	0.0	-119.0	18.80	yellow
		12/19/2006	6.01	0.836	23.9	0.1	-40.6	13.00	brownish yellow
		6/13/2007	6.44	1.224	24.8	0.4	-57.5	0.00	tan
		7/31/2008	7.11	0.115	27.5	0.3	-53.9	12.50	clear
		12/17/2008	7.12	0.483	24.2	1.4	-158	12.9	clear
		7/22/2009	6.20	0.250	27.1	0.9	-41.9	13.1	clear/orange
		12/8/2009	6.18	0.424	26.24	0.18	-112.4	16	lt. yellow
		9/8/2010	6.19	0.239	28.32	0.51	-149.8	12	lt. yellow
MW0057S	2 to 12	7/27/2005	6.29	0.971	27.2	0.2	68.4	8.64	clear
		12/19/2006	6.37	0.589	23.3	0.2	-57.4	4.10	brownish yellow
		7/22/2008	6.58	2.211	26.9	0.2	-132.1	1.48	clear amber
		7/31/2008	6.96	0.829	28.2	1.5	-62.7	10.56	yellow
		7/22/2009	6.55	0.753	27.1	0.3	-101.3	0.64	clear/orange

Table 3-2. Natural Attenuation Field Sampling Parameters
Wilson Corners, SWMU 001

Sample Location	Screened Interval (ft BLS)	Sample Date	pH	Cond (mS/cm)	Temp (^{o}C)	DO (mg/L)	ORP (mV)	Turb (NTUs)	Color
MW0060S	2 to 12	7/28/2005	6.24	0.435	26.7	0.5	-51.8	14.70	dark brownish red
		8/12/2009	6.85 *	0.574	27.4	1.28 *	65.1	13.00	yellow/clear
MW0061S	2 to 12	7/27/2005	6.03	0.530	28.1	0.1	-78.0	4.50	clear
MW0064	2 to 12	12/19/2014	7.07	0.580	24.03	-	-41.2	13.0	brown
NPSH-MW0007	9.5 to 14.5	7/28/2005	6.27	0.00	26.6	0.0	-96.0	0.00	-
		7/27/2005	7.09	0.1	25.3	0.0	-105.0	1.30	-
		12/20/2006	6.82	1.45	24.3	0.0	-133.0	0.00	clear
		6/13/2007	6.70	3.42	24.1	0.2	-135.0	7.70	clear
		7/31/2008	6.71	2.026	25.2	1.7	-44.4	5.81	gray cloudy
		12/18/2008	6.94	1.836	23.1	0.1	-205.9	7.20	clear
		7/22/2009	6.53	1.930	24.2	0.3	-117.2	1.13	clear
		12/8/2009	6.59	1.9	25.07	0.24	-108.8	6.8	clear
		9/13/2010	6.57	2.563	26.84	0.22	-97.1	5.8	clear
		3/17/2011	6.10	1.740	22.90	1.20	-22.0	6.3	clear
		9/20/2011	6.70	2.172	25.56	0.16	-182.1	2.77	clear
NPSH-MW0027	10 to 15	9/6/2012	6.49	2.683	25.39	0.92	-125.3	2.18	clear
NPSH-MW0031	10 to 15	7/28/2005	6.39	6.2	24.2	0.0	-118.0	1.00	clear
		12/20/2006	6.67	0.648	24.0	0.0	-110.0	0.00	clear yellow
		7/31/2008	6.71	0.566	24.7	0.9	-44.2	0.59	tea clear
		7/22/2009	6.79	0.636	24.1	0.3	-89.8	0.00	clear
NPSH-MW0036	3 to 10	7/28/2005	5.98	26.7	24.6	0.0	-59.0	0.00	-
		8/12/2009	6.72	2.9	24.8	2.2	-177.2	6.00	clear
NPSH-MW0037	3 to 10	7/27/2005	6.82	0.00	25.0	0.0	-32.0	3.50	-
PW-MW1515	10 to 15	5/19/2005	6.66	0.527	25.0	0.0	-104.0	0.93	clear
		12/19/2006	6.59	0.559	24.1	0.2	-65.8	1.20	clear yellow
		8/1/2008	5.95	0.588	24.2	0.3	-28.9	0.00	clear
		7/17/2009	6.64	0.637	24.1	0.3	-59.9	0.00	clear
MW0064	2 to 12	2/1/2006	7.30	0.666	21.2	0.5	-15.7	29.90	clear yellow
		12/19/2006	6.21	0.538	23.6	0.0	-136.0	6.50	brown
		7/23/2008	5.92	0.486	27.2	0.2	-101.6	18.00	clear red
		7/20/2009	6.55	0.612	27.8	0.4	-83.3	1.44	brown/clear
MW0066	2 to 12	2/1/2006	6.57	0.423	18.8	0.6	15.6	36.80	clear yellow
MW0073	2 to 12	2/1/2006	5.99	0.532	21.1	0.2	-83.0	15.00	yellow
		12/20/2006	6.25	0.536	22.9	0.3	-31.7	6.00	clear yellow
		7/31/2008	6.81	0.484	24.9	0.5	-69.9	12.50	clear
		7/21/2009	6.34	0.346	26.8	0.4	-47.6	3.71	brown
MW0074	2 to 12	2/1/2006	5.28	0.639	20.4	0.4	82.2	62.90	cloudy, light tan
		12/20/2006	6.52	0.652	22.5	0.4	2.5	3.10	clear yellow
		7/31/2008	6.87	0.612	24.5	0.4	-75.6	0.00	clear
		7/17/2009	6.97	0.684	23.6	0.3	-33.6	0.00	clear

Table 3-2. Natural Attenuation Field Sampling Parameters
Wilson Corners, SWMU 001

Sample Location	Screened Interval (ft BLS)	Sample Date	pH	Cond (mS/cm)	Temp (^{o}C)	DO (mg/L)	ORP (mV)	Turb (NTUs)	Color
MW0075	2 to 12	2/1/2006	5.56	0.439	18.8	0.6	-0.6	18.40	slight brown color
		8/12/2009	6.35 *	0.589	25.9	0.59 *	21.1	15.00	clear
MW0076	2 to 12	2/1/2006	5.64	0.908	20.2	1.4	0.6	6.70	clear
		12/19/2006	6.61	0.495	23.0	0.0	-29.0	2.40	clear
		7/23/2008	6.49	0.438	26.5	0.6	-102.1	4.91	clear
		7/22/2009	6.56	0.818	25.5	0.5	-114.4	0.00	clear/brown
MW0091	2 to 12	4/7/2010	6.5	0.363	22.12	1.21	-50.9	5.4	clear
MW0092	2 to 12	4/7/2010	6.65	0.293	22.6	0.19	-36.9	15	yellow
MW0095	2 to 12	3/25/2010	6.8	0.398	19.9	0.19	-104.2	17.8	slight yellow
MW0101	2 to 12	3/25/2010	6.76	0.631	20.44	0.56	-136.6	68.1	red brown
MW0108	2 to 12	4/8/2010	6.17	0.582	20.95	0.23	-62.1	2.8	slight yellow
		9/20/2011	6.1	0.619	25.5	0.24	-87.1	0.65	clear
MW0113	2 to 12	3/25/2010	6.7	0.289	19.45	1.02	-56.7	27.7	clr brown
15 to 25 ft BLS									
MW0087	15 to 25	4/7/2010	6.72	0.953	29.95	1.21	-65.3	97.9	cloudy
MW0089	15 to 25	4/7/2010	7.02	0.756	22.39	0.79	-122.9	2.3	clear
		12/19/2014	7.01	0.756	22.21	-	-121.1	6.1	clear
MW0093	15 to 25	3/26/2010	7.02	0.779	22.05	0.15	-105.9	53.7	tan cloudy
MW0096	15 to 25	3/25/2010	6.86	0.948	22.1	0.16	-80.3	29	slt cloudy
MW0098	15 to 25	3/25/2010	6.55	1.127	24.27	0.19	-107.3	39.5	yellow clear
		2/29/2016	8.89	1.047	23.04	0.34	-3.9	6.12	clear
MW0100	15 to 25	4/7/2010	6.36	1.714	23.81	0.18	-109.5	6.6	yellow
		3/16/2011	5.76	1.584	24.34	1.46	-104.7	10.10	yellow-clear
		9/19/2011	6.26	1.402	25.23	0.6	-86.1	9.83	light green
		2/29/2016	8.24	1.233	25.06	0.23	-147.4	5.96	clear
MW0102	15 to 25	3/25/2010	6.99	0.792	24.58	0.11	-174.7	8.93	clear
MW0105	15 to 25	3/25/2010	6.64	1.335	24.04	0.16	-114.6	32.4	yellow clear
MW0106	15 to 25	3/25/2010	6.94	1.348	23.87	0.08	-183.7	17.4	yellow clear
MW0107	15 to 25	4/8/2010	6.76	0.966	24.84	0.48	-141.3	16	slight yellow clear
		9/19/2011	6.64	0.797	25.98	0.16	-158.6	3.52	clear
MW0109	15 to 25	3/26/2010	7.14	0.823	23.31	0.29	-90.5	12	clear
MW0110	15 to 25	4/7/2010	6.66	4.51	22.74	0.16	-223.1	12	slight yellow clear
		3/17/2011	7.03	3.04	23.41	0.55	-150.2	14.3	clear
		9/20/2011	6.75	3.413	25.2	0.21	-202.3	11.6	clear
MW0114	15 to 25	3/25/2010	6.87	0.797	23.32	0.25	-103.7	15.5	yellow clear
MW0115	15 to 25	3/26/2010	6.93	0.834	22.07	0.37	-40.6	29.1	clear
MW0116	15 to 25	3/26/2010	6.94	1.423	22.39	0.32	-127.1	35.8	tan cloudy
MW0117	15 to 25	3/25/2010	6.76	1.074	23.28	0.19	-99.9	18.1	clear
		3/17/2011	6.81	1.05	23.58	0.74	19.2	10.1	clear
MW0122	15 to 25	3/26/2010	6.98	0.971	21.89	0.26	-94.9	19.2	tan cloudy
MW0125	15 to 25	9/13/2010	6.79	1.026	25.06	0.21	-87.6	19	clear

Table 3-2. Natural Attenuation Field Sampling Parameters
Wilson Corners, SWMU 001

Sample Location	Screened Interval (ft BLS)	Sample Date	pH	Cond (mS/cm)	Temp (^{o}C)	DO (mg/L)	ORP (mV)	Turb (NTUs)	Color
MW0126	15 to 25	9/13/2010	6.73	0.684	23.62	0.2	-105.7	12	clear
MW0127	15 to 25	9/13/2010	6.78	0.798	23.89	0.2	-82.4	15	clear
MW0128	15 to 25	9/13/2010	6.79	0.76	24.42	0.19	-109.7	15	clear
MW0129	15 to 25	9/13/2010	6.94	0.762	22.55	0.33	-124.9	16	clear
28 to 38 ft BLS									
MW0046I	29 to 34	5/20/2005	6.42	1.02	25.8	0.2	-90.0	3.00	clear
		8/12/2009	7.28 *	4.683	24.4	0.82 *	-94.7	7.00	clear
MW0047I	29 to 34	7/27/2005	6.71	2.816	25.4	0.1	-24.0	1.16	clear yellow
		12/20/2006	6.36	7.034	24.2	0.2	-276.8	2.40	clear
		6/12/2007	6.88	6.096	24.4	0.1	-335.0	0.25	clear yellow
		7/31/2008	6.59	6.534	24.6	1.0	-243.3	2.78	brownish
		12/17/2008	7.88	6.480	24.5	0.4	-261	14.7	clear
		7/22/2009	6.55	3.628	24.6	0.3	-135.7	0.67	clear
		12/8/2009	6.74	5.937	24.36	0.34	-239.8	8.51	clr yellow
MW0048I	29 to 34	7/28/2005	6.36	10.5	25.1	0.0	-380.0	2.10	clear
		12/20/2006	7.24	11.9	24.6	0.0	-298.0	1.20	clear yellow
		6/12/2007	7.38	6.737	24.2	0.4	-249.0	0.00	clear
		7/31/2008	7.03	5.373	24.7	0.2	-146.3	14.60	clear
		12/17/2008	8.20	5.27	24.5	0.2	-280	13.20	clear
		7/22/2009	6.92	2.28	24.9	0.2	-151.6	0.80	clear
		12/8/2009	7.04	2.85	24.7	0.09	-250.1	6.07	clr yellow
		9/12/2010	6.98	1.642	24.79	0.2	-148	3.9	clear
MW0049I	29 to 34	12/21/2006	7.13	9.29	24.8	0.0	-301.0	1.40	clear
		7/18/2008	7.34	2.578	24.9	0.2	-98.4	4.08	clear
		7/20/2009	7.34	2.964	24.8	0.2	-172.5	0.56	clear/yellow
MW0050I	29 to 34	7/28/2005	7.43	1.5	25.8	0.0	-265.0	0.00	-
MW0052I	29 to 34	7/28/2005	7.35	9.317	24.6	0.1	-180.5	0.00	clear
MW0053I	29 to 34	12/18/2006	6.44	1.194	23.7	0.1	-54.8	1.83	clear
		7/17/2008	6.85	1.75	24.3	0.3	-80.2	2.27	clear yellow
		7/16/2009	6.85	1.65	24.7	0.3	-74.2	1.24	clear
MW0054I	29 to 34	7/21/2008	6.60	1.633	25.0	0.2	-46.8	2.84	clear
MW0057I	29 to 34	7/27/2005	6.76	1.047	24.2	0.2	-14.2	2.64	clear
		7/22/2008	6.74	2.536	24.0	0.3	-112.2	2.46	clear yellow
		7/31/2008	6.60	2.539	24.7	1.9	-85.0	6.46	brown

Table 3-2. Natural Attenuation Field Sampling Parameters
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Sample Location	Screened Interval (ft BLS)	Sample Date	pH	Cond (mS/cm)	Temp (^{o}C)	DO (mg/L)	ORP (mV)	Turb (NTUs)	Color
MW0059I	29 to 34	12/21/2006	6.12	1.169	24.6	0.8	-59.7	2.50	clear yellow
		6/13/2007	6.95	1.332	24.9	0.3	-85.6	0.00	clear
		7/31/2008	6.60	1.372	25.1	0.2	-119.8	15.10	clear
		12/17/2008	7.43	1.82	24.6	0.9	-171	12.5	clear
		7/22/2009	6.31	1.49	25.0	0.4	-76	1.1	clear
		12/7/2009	6.42	1.256	24.65	0.9	-128.2	12.3	clear
		9/8/2010	6.34	1.832	25.73	0.86	-130.3	9.4	lt. yellow
		3/17/2011	6.53	1.443	24.07	0.75	-27.1	8.7	clear
		9/20/2011	6.41	1.865	24.42	0.19	-64.3	2.12	clear
		9/6/2012	6.16	2.6	26.62	0.4	-61.1	11.2	cloudy
MW0060I	29 to 34	7/28/2005	6.90	8.172	25.2	0.2	-87.7	1.15	clear brown
		12/21/2006	6.90	7.55	25.0	0.0	-267.0	0.80	clear
		7/23/2008	6.95	6.686	25.1	0.3	-212.4	1.22	clear yellow
		7/22/2009	6.96	4.810	25.0	0.2	-295.1	2.05	clear
		3/17/2011	7.38	2.320	24.53	0.37	-157.0	4.30	clear
		9/20/2011	6.88	2.422	24.64	0.20	-211.4	0.99	clear
NPSH-MW0005	30 to 35	9/17/2009	7.30	4.244	24.9	1.0	-64.7	19.20	clear/black debris
		9/13/2010	6.38	4.263	24.8	0.2	-183.9	13.00	clear
		9/6/2012	6.46	5.483	24.6	0.4	-183.9	4.53	clear
NPSH-MW0008	20 to 35	5/19/2005	6.72	0.902	24.5	0.0	-98.0	2.30	clear
		7/27/2005	6.12	1.28	25.7	0.0	-80.0	<1.0	clear
		12/19/2006	6.64	1.249	23.9	0.2	-77.8	3	clear
		6/12/2007	8.65	2.23	23.4	0.2	-192.0	17.6	clear
		7/23/2008	6.75	0.889	24.3	0.3	-99.7	0.6	clear
		12/18/2008	7.55	0.749	23.6	0.0	-163.1	0.8	clear
		7/22/2009	6.61	0.935	24.0	0.3	-71.6	0.0	clear
		12/8/2009	6.72	1.053	23.94	0.15	-213.8	4.65	clear yellow
NPSH-MW0010	29 to 34	7/27/2005	6.25	0.67	23.2	0.0	-80.0	<1.0	clear
NPSH-MW0011	29 to 34	5/18/2005	7.10	1.18	25.3	0.0	-57.0	1	clear
		12/19/2006	6.80	1.184	24.0	0.4	5.9	6	clear
		8/1/2008	7.21	1.107	23.9	0.5	-137.4	1	clear
		7/22/2009	6.76	0.967	23.5	0.4	-71.2	11.9	clear
NPSH-MW0013	29 to 34	7/28/2005	7.34	0.12	25.2	0.0	-168.0	0.00	-
NPSH-MW0015	29 to 34	5/18/2005	6.86	2.49	24.9	0.0	-112.0	4.68	clear
		7/27/2005	7.19	0.58	26.5	0.0	-110.0	0.00	-
		7/23/2009	6.76	1.84	23.5	1.4	-154.6	0.98	clear
NPSH-MW0016	29 to 34	7/27/2005	7.17	0.184	25.4	0.0	-40.0	0.30	-
		8/12/2009	6.95 *	4.435	24.5	0.79 *	-27.2	2.90	clear
NPSH-MW0017	29 to 34	7/27/2005	7.18	0.1	23.1	0.0	-178.0	0.00	-
		8/12/2009	7.30	2.5	23.7	0.56 *	-153.0	5.80	clear

Table 3-2. Natural Attenuation Field Sampling Parameters
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Sample Location	Screened Interval (ft BLS)	Sample Date	pH	Cond (mS/cm)	Temp (^{o}C)	DO (mg/L)	ORP (mV)	Turb (NTUs)	Color
NPSH-MW0018	29 to 34	5/19/2005	7.01	1.64	24.1	0.0	-84.0	2.48	clear
		7/23/2009	6.83	1.45	22.5	1.7	-108.8	0.00	clear
NPSH-MW0019	29 to 34	6/12/2007	9.40	2.31	22.8	0.2	-231.0	17.70	clear
		7/31/2008	6.80	0.699	22.7	0.2	-54.3	1.07	clear
		7/21/2009	7.14	0.908	23.5	0.3	-27.5	0.23	clear
NPSH-MW0020	29 to 34	7/28/2005	7.20	0.132	27.8	0.0	-103.0	0.00	-
		12/19/2006	7.06	0.865	23.8	0.0	-70.0	0.00	clear
		8/1/2008	7.27	0.722	24.4	0.5	-90.2	0.00	clear
		7/22/2009	6.85	0.802	23.8	0.3	-109.4	0.04	clear
NPSH-MW0021	29 to 34	5/18/2005	7.17	1.28	24.4	0.0	-84.0	3.05	clear
		8/12/2009	7.16	0.96	23.5	1.1	-111.3	6.50	clear
NPSH-MW0022	29 to 34	8/12/2009	7.50 *	3.91	25.4	0.65 *	-56.8	5.80	clear
NPSH-MW0038	30 to 35	7/27/2005	7.12	0.11	26.1	0.0	-120.0	0.10	-
		8/12/2009	7.16 *	3.76	23.6	0.75 *	-27.5	10.00	clear/yellow
NPSH-MW0040	29 to 34	7/27/2005	7.21	0.383	23.8	0.0	-102.0	0.00	-
		8/12/2009	7.03	2.409	22.5	1.1	-109.1	2.90	clear
MW0062	29 to 34	2/1/2006	6.63	0.742	22.3	0.3	-140.9	15.24	clear
		12/18/2006	6.98	0.903	23.3	0.0	-274.0	0.00	clear
		7/31/2008	7.10	0.607	24.1	0.3	-135.9	7.94	clear
		7/16/2009	7.19	0.709	25.1	0.2	-95.7	0.32	clear
		3/2/2016	8.7	1.869	22.07	0.39	-80	2.53	clear
MW0065	29 to 34	2/1/2006	7.09	7.39	23.3	0.2	-147.5	15.22	clear yellow
		12/19/2006	7.10	6.41	24.0	0.0	-248.0	0.00	clear
		6/13/2007	7.31	6.636	24.2	0.2	-199.2	0.00	clear
		7/23/2008	6.89	5.146	24.8	0.2	-145.5	2.37	clear
		12/18/2008	7.15	3.606	23.8	0.2	-233.5	4.4	clear
		7/20/2009	6.97	2.991	24.3	0.5	-122.6	0.2	clear
		12/7/2009	6.83	2.03	23.96	0.4	-168.6	4.6	clear
MW0067	29 to 34	2/1/2006	6.94	0.779	21.4	0.3	-26.6	65.10	cloudy light tan
		12/19/2006	6.89	0.885	22.8	0.0	-145.0	3.80	clear
		7/31/2008	6.95	0.677	23.7	0.4	-110.9	13.90	clear
		7/21/2009	6.79	0.945	23.8	0.5	-67.3	15.3	clear
		8/12/2009	22.85	0.875	22.9	5.60**	-120.5	11.0	clear
MW0069	29 to 34	2/1/2006	6.62	0.792	22.7	0.2	-42.2	24.20	cloudy yellow
		12/19/2006	6.90	0.95	23.9	0.0	-125.0	0.00	clear
		7/31/2008	6.58	1.103	26.4	1.0	-41.7	4.02	-
		7/20/2009	6.88	3.486	23.6	0.5	-63.8	2.34	clear
MW0072	29 to 34	2/1/2006	6.14	0.880	20.7	0.6	-16.5	84.00	slightly cloudy
		8/1/2008	7.08	0.845	22.6	0.4	-111.7	2.47	Clear
		7/17/2009	6.97	1.073	22.4	0.4	-56.1	1.78	clear
MW0077	29 to 34	2/1/2006	5.89	1.082	22.5	0.3	-1.8	47.80	slightly cloudy
		12/19/2006	6.89	1.02	23.4	0.0	-66.0	15.30	yellow
		7/23/2008	6.76	1.065	24.5	0.2	-97.0	13.10	clear
		7/22/2009	6.59	0.937	23.6	0.7	-18.2	1.08	clear

Table 3-2. Natural Attenuation Field Sampling Parameters
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Sample Location	Screened Interval (ft BLS)	Sample Date	pH	Cond (mS/cm)	Temp (^{o}C)	DO (mg/L)	ORP (mV)	Turb (NTUs)	Color
MW0080	29 to 34	12/21/2006	6.87	5.38	23.5	0.0	-193.0	3.80	clear
		6/13/2007	6.93	5.68	24.0	0.2	-232.0	10.90	clear
		7/31/2008	6.76	2.533	23.9	0.7	-91.2	0.00	-
		12/18/2008	7.34	1.459	23.1	0.4	-236.8	3.2	clear
		7/20/2009	7.11	1.052	23.4	0.4	-101.1	0.0	clear
		12/7/2009	6.92	1.181	23.26	0.16	-193.7	2.91	clear
MW0081	29 to 34	12/21/2006	6.37	0.818	24.0	1.0	-51.9	6.50	clear
		7/24/2008	6.97	0.991	24.6	0.5	-82.1	0.00	clear
		12/18/2008	7.15	1.251	23.6	0.0	-181.6	9.2	clear
		7/17/2009	6.94	2.071	25.3	0.4	-68.7	7.71	clear
		12/8/2009	6.73	2.468	24.4	0.18	-105.6	7.7	clear
MW0082	29 to 34	10/12/2007	6.40	1.07	23.5	1.3	-97.2	10.90	clear
		7/31/2008	6.77	0.907	23.2	0.7	-96.4	14.60	clear
		12/17/2008	7.45	1.390	23.0	0.4	-75.0	10.2	clear
		7/21/2009	6.69	1.027	23.0	0.6	-49.0	0.31	clear
		12/8/2009	6.70	1.047	22.91	0.22	-53.7	4.5	clear
MW0088	29 to 34	4/7/2010	6.91	0.83	22.49	1.25	-34.7	7.3	clear
MW0090	29 to 34	4/7/2010	7.05	0.83	22.7	1.07	-35.1	7.6	clear
MW0097	29 to 34	3/25/2010	7.12	0.831	22.21	0.12	-201.1	4.89	clear
MW0103	29 to 34	3/25/2010	6.70	1.208	24.67	0.15	-193.4	5.98	clear
MW0111	29 to 34	3/25/2010	6.78	1.325	24.46	0.08	-111	13	clear
MW0119	29 to 34	3/26/2010	6.93	1.163	23.36	0.2	-92.5	19	clear
38 to 55 ft BLS									
MW0021D	40 to 45	5/18/2005	6.98	3.18	24.4	0.0	-137.0	3.73	clear
MW0046D	40 to 45	7/27/2005	7.22	0.411	25.3	0.0	-137.0	0.00	-
MW0047D	40 to 45	7/27/2005	6.97	1.13	25.2	0.1	-81.2	73.10	milky
		12/20/2006	7.05	1.04	24.6	0.0	-118.0	15.00	gray
		6/12/2007	7.09	1.057	24.6	0.2	-122.0	15.00	clear
		7/31/2008	6.62	4.739	24.7	0.8	-135.2	40.90	yellow-brown
		12/17/2008	7.85	3.580	24.1	0.2	-202	12.7	clear
		7/21/2009	6.68	3.030	24.3	0.8	-101.4	42.1	clear/white
		12/8/2009	6.76	3.698	24.45	0.12	-250	178	light tan
		9/13/2010	6.86	2.88	25.79	0.15	-52.3	55	clear
		3/17/2011	7.05	2.44	24.16	1.13	-55.3	7.3	clear
		9/20/2011	6.81	3.586	24.1	0.18	-88	55.9	clear
		9/6/2012	6.6	4.164	24.77	0.39	-120.5	124	cloudy

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Sample Location	Screened Interval (ft BLS)	Sample Date	pH	Cond (mS/cm)	Temp (^{o}C)	DO (mg/L)	ORP (mV)	Turb (NTUs)	Color
MW0049D	40 to 45	12/21/2006	6.54	6.72	24.6	0.0	-296.0	6.90	clear
		6/12/2007	6.89	6.006	24.5	0.4	-282.5	0.00	clear
		7/23/2008	6.83	6.607	24.6	0.2	-166.1	19.02	clear
		12/18/2008	7.14	6.239	24.2	0.5	-255.4	32	clear
		7/20/2009	7.02	7.472	24.7	0.3	-138.9	4.51	clear
		12/8/2009	6.87	7.252	25.14	0.13	-253.5	10.1	tan, cloudy
		9/8/2010	6.83	7.042	26.32	0.47	-179	13	clear
MW0050D	40 to 45	8/12/2009	6.98 *	7.421	24.8	0.50 *	-27.8	190.00	white/slightly cloudy
MW0052D	40 to 45	9/17/2009	7.15	1.135	25.5	0.8	5.1	11.10	clear
		3/4/2016	8.13	2.129	23.8	0.18	-60.2	13.8	clear
MW0053D	40 to 45	12/18/2006	6.55	3.227	24.0	0.4	-29.6	4.23	clear
		7/18/2008	6.97	2.042	25.1	0.3	-80.0	4.11	clear
		7/16/2009	6.52	2.528	24.8	0.5	-86.4	3.10	clear
MW0054D	40 to 45	7/18/2008	7.04	1.154	25.0	0.7	-83.8	115.00	cloudy
MW0055D	40 to 45	7/28/2005	7.12	0.303	25.9	0.0	-141.0	0.00	-
		12/19/2006	6.86	2.457	23.5	0.2	-65.0	1.60	clear
		7/17/2008	7.14	2.026	24.9	0.2	-111.5	1.41	clear
		7/17/2009	7.00	2.280	24.3	0.4	-111.6	1.09	clear
MW0057D	40 to 45	7/27/2005	6.85	1.991	24.3	0.2	-14.9	0.71	clear brown
		7/22/2008	6.90	1.674	23.9	0.2	-111.3	19.90	clear
		7/31/2008	6.71	1.35	24.5	0.3	-60.6	0.40	clear
		9/13/2010	6.91	1.75	25.3	0.4	-70.0	34.00	clear
		9/20/2011	6.77	2.29	23.9	0.3	-79.8	18.70	clear
		9/6/2012	6.57	3.20	25.2	0.4	-77.5	18.90	cloudy
		10/15/2012	6.76	2.21	24.0	2.0	-	19.60	cloudy
OBS-MW0001D	44 to 49	7/27/2005	7.13	4.508	26.2	0.0	-146.7	1.53	clear brown
		7/14/2014	6.95	5.571	25.13	0.32	-126.7	3.77	clear
OBS-MW0002D	44 to 49	7/27/2005	7.02	5.548	25.7	0.1	-98.3	6.29	clear brown
		7/14/2014	6.74	5.754	24.83	0.31	-97.3	3.6	clear
OBS-MW0004D	47 to 52	5/18/2005	6.52	6.22	26.3	0.0	-134.0	8.77	clear
		7/27/2005	6.55	5.377	26.0	0.2	-51.0	1.10	clear yellow
		12/18/2006	6.59	4.129	24.3	0.3	-108.6	2.21	clear
		6/12/2007	6.81	2.692	24.7	0.3	-109.9	3.50	tan
		7/22/2008	6.58	2.372	25.1	0.2	-86.2	0.22	clear yellow
		12/18/2008	6.97	1.880	24.3	1.1	-177.6	5.00	clear
		7/20/2009	6.70	1.750	24.8	0.5	-104.1	0.00	clear
		12/7/2009	6.54	3.083	24.43	0.51	-66.4	2.8	clear
		9/8/2010	6.43	2.117	25.61	0.71	-101.2	3.2	light yellow
		3/16/2011	6.24	2.373	24.48	1.45	-59.7	8.41	yellow-clear
		9/19/2011	6.38	3.191	25.0	0.3	-73.9	1.96	clear
		9/6/2012	6.96	2.480	26.3	0.3	1.6	4.54	cloudy
		3/4/2016	7.45	3.11	24.02	0.33	-9.5	13.4	clear

Table 3-2. Natural Attenuation Field Sampling Parameters
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Sample Location	Screened Interval (ft BLS)	Sample Date	pH	Cond (mS/cm)	Temp (^{o}C)	DO (mg/L)	ORP (mV)	Turb (NTUs)	Color
OBS-MW0005D	47 to 52	7/27/2005	6.41	4.490	26.4	0.0	-152.0	0.90	clear
		2/29/2016	8.45	4.336	24.83	0.23	-44.1	15.8	clear
NPSH-MW0023	40 to 45	5/18/2005	7.69	0.522	24.2	1.2	46.0	8.78	clear
		12/20/2006	6.50	3.128	22.4	0.4	-33.3	2.30	clear
		8/1/2008	6.62	2.75	23.9	0.2	-75.0	1.90	clear
		7/21/2009	6.81	3.15	23.7	0.4	-109.1	0.00	clear
NPSH-MW0024	46 to 51	7/27/2005	6.10	1.97	26.1	0.2	-173.0	2.10	clear
		12/20/2006	6.44	3.141	24.1	0.9	-130.9	49.80	clear yellow
		7/18/2008	7.89	5.682	25.5	0.2	-146.5	1.37	clear
		7/16/2009	6.55	2.898	25.4	0.4	-57.0	1.19	clear
NPSH-MW0025	40 to 45	12/20/2006	7.08	5.13	23.9	0.0	-131.0	2.90	clear
		7/31/2008	6.86	4.74	23.9	1.7	-91.9	201.00	grey
		7/17/2009	7.10	4.98	24.1	0.3	-103.9	2.26	clear
NPSH-MW0030	43 to 48	7/27/2005	7.25	0.832	25.6	0.0	-119.0	0.00	-
NPSH-MW0035	39 to 44	7/28/2005	7.00	0.278	27.1	0.0	-81.0	0.00	-
NPSH-MW0039	40 to 45	12/19/2006	6.98	0.931	23.5	0.0	-208.0	6.50	clear
		6/12/2007	8.75	2.47	23.6	0.2	-213.0	17.30	clear
		7/31/2008	6.47	0.905	23.7	1.0	-84.6	0.00	brownish-clear
		12/18/2008	7.15	0.924	23.1	0.5	-180.1	3.7	clear
		7/21/2009	6.81	1.096	25.3	0.3	-118.0	0.0	clear
		12/8/2009	6.83	1.102	23.26	0.11	-166.9	7.04	clear
MW0063	40 to 45	12/18/2006	7.02	2.23	23.4	0.0	-211.0	0.00	clear
		2/1/2006	6.82	1.96	22.4	0.5	-60.2	5.90	clear
		7/24/2008	7.12	2.069	24.2	0.5	-118.1	2.42	clear
		7/16/2009	7.07	1.864	24.5	0.4	-131.8	1.23	clear
MW0068	40 to 45	2/1/2006	6.98	1.587	23.3	0.3	-20.5	46.80	slightly cloudy, yellow
		12/19/2006	6.99	3.41	23.7	0.0	-223.0	11.50	clear
		6/13/2007	6.82	3.52	24.5	0.2	-259.0	12.60	clear
		8/1/2008	7.10	2.924	23.8	0.4	-164.1	16.30	clear
		12/18/2008	7.23	2.110	23.3	0.3	-200.4	14	clear
		7/17/2009	7.06	2.019	23.7	0.3	-56.7	0.68	clear
		12/8/2009	6.92	1.892	23.48	0.14	-157.8	2.84	clear
MW0070	40 to 45	2/1/2006	7.11	2.353	22.5	0.3	-58.4	39.00	light tan, cloudy
		12/20/2006	7.06	2.47	23.1	0.0	-142.0	15.30	clear
		6/12/2007	8.87	5.14	23.0	0.2	-136.0	14.30	clear
		7/31/2008	6.67	1.973	23.2	1.4	-74.3	19.80	-
		12/18/2008	7.14	2.064	22.9	0.0	-135.7	4.20	clear
		7/22/2009	6.83	2.093	23.0	0.3	-117.7	2.95	clear
		12/8/2009	6.88	2.094	23	0.3	-87	16	clear
MW0071	40 to 45	2/1/2006	5.89	3.814	21.4	0.3	-55.1	48.30	cloudy white

Table 3-2. Natural Attenuation Field Sampling Parameters
Wilson Corners, SWMU 001

Sample Location	Screened Interval (ft BLS)	Sample Date	pH	Cond (mS/cm)	Temp (^{o}C)	DO (mg/L)	ORP (mV)	Turb (NTUs)	Color
MW0079	40 to 45	2/1/2006	5.85	2.221	22.8	0.4	-56.7	14.76	clear yellow
		12/19/2006	7.06	2.53	23.8	0.0	-144.0	0.00	clear yellow
		7/31/2008	6.78	1.343	24.5	0.3	-48.3	4.66	clear
		7/20/2009	7.13	2.126	24.2	0.2	-173.0	1.36	clear
MW0094	40 to 45	4/7/2010	7.06	2.156	23.51	0.15	-152.4	11	slight yellow
MW0104	40 to 45	3/25/2010	6.9	4.788	23.99	0.08	-184.6	9.69	clear
MW0112	40 to 45	3/25/2010	7.16	2.594	22.8	0.36	-154.1	19.3	clear
MW0118	40 to 45	3/25/2010	7.07	2.395	23.78	0.11	-249	1522	gray/tan cloudy
MW0120	40 to 45	3/26/2010	7.19	2.419	22.32	0.26	-166.2	48.9	clear
MW0121	40 to 45	3/26/2010	7.17	1.835	22.85	0.24	-128.4	14.8	clear
MW0099	40 to 45	4/7/2010	7.08	4.977	24.02	0.41	-48.5	3.5	clear
Greater than 55 ft BLS									
MW0052DD	55 to 65	7/22/2008	7.28	5.668	26.0	0.3	-95.1	3.35	clear
		12/19/2014	6.79	5.775	23.16	-	80.4	2.50	clear
NPSH-MW0034	66.7 to 71.5	7/27/2005	9.23	1.1	25.7	0.0	-163.0	0.00	-
MW0078	65 to 70	2/1/2006	8.08	4.639	23.7	0.4	-102.3	7.32	clear
		12/21/2006	6.83	6.078	24.3	1.0	-36.6	1.60	clear
		7/22/2008	7.39	5.754	25.4	0.2	-78.7	1.87	clear
		7/20/2009	7.45	6.068	26.0	0.5	-101.7	4.64	clear
		10/25/2012	7.35	4.759	25.5	0.8	-	1.16	clear
		7/14/2014	7.3	5.056	26.61	1.43	-88.1	9.85	clear
MW0083	71 to 76	9/17/2009	7.85	1.086	26.3	0.5	34.2	2.20	clear
MW0084	71 to 76	9/17/2009	7.79	2.540	26.1	0.9	19.7	7.19	clear
MW0085	71 to 76	9/17/2009	8.03	1.779	25.1	1.1	13.9	9.30	clear
MW0086	71 to 76	9/17/2009	7.80	2.925	25.5	0.7	17.4	4.81	clear
MW0130	56 to 66	10/26/2012	7.12	5.575	24.8	0.9	-	26.1	cloudy
		12/19/2014	7.12	5.600	24.44	-	-70.5	4.1	clear
		12/15/2015	6.93	8.534	25.74	0.16	14.9	27.2	clear
MW0131	58 to 68	10/26/2012	7.20	5.645	23.8	0.6	-	18.90	cloudy
		12/10/2012	6.88	6.314	24.6	1.5	-84.1	-	clear
		7/16/2013	7.55	1.147	26.02	0.44	-189.5	10.5	clear

Notes:

1. "-" indicates values not determined for these samples.
2. Cond mS/cm indicates conductivity in milliSiemens (millimhos) per centimeter.
3. ft BLS indicates feet below land surface.
4. DO mg/L indicates dissolved oxygen in milligram per liter.
5. Data obtained from final purge volume.
6. Turb NTUs indicates turbidity in Nephelometric Turbidity Units.
7. ORP mV indicates oxidation reduction potential in millivolts.
8. * indicates calibration failed CCV for these parameters.
9. Temp ^{o}C indicates temperature in degrees Celsius.

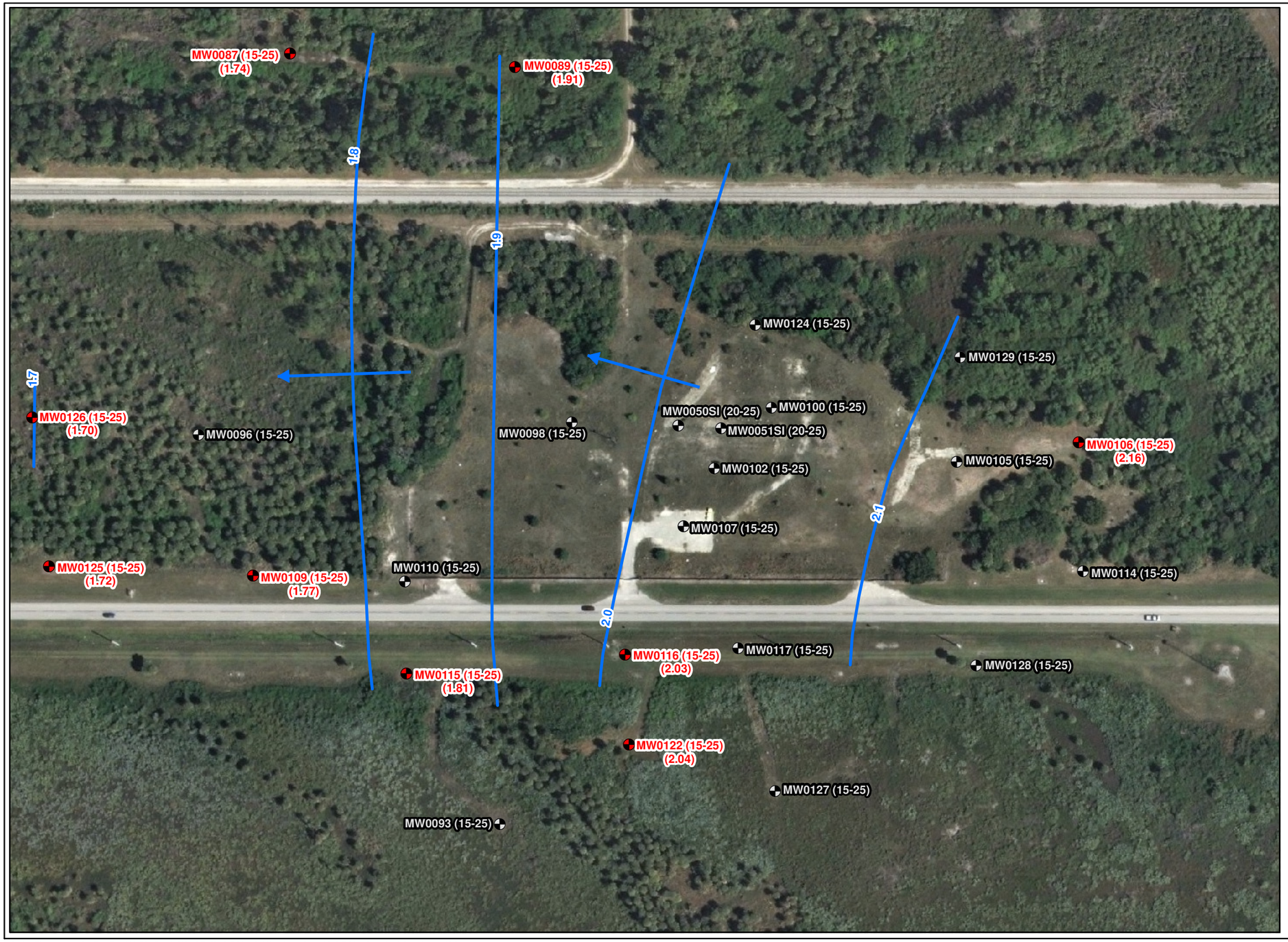
Legend

- 2 to 15 ft BLS Monitoring Well Location showing screen interval (ft BLS) and groundwater elevation (ft NAVD88)
- 2 to 15 ft BLS Monitoring Well Location showing screen interval (ft BLS) (no water level collected)
- 2.5 — Groundwater Elevation Contour (ft NAVD88)
- Groundwater Flow Direction

Notes:
1. ft BLS indicates feet below land surface.
2. * indicates not used for contouring.
3. NAVD88 indicates North American Verical Datum of 1988.
4. Prefix for all locations is "WILC-".

Path: (Titusville-01\DATA) T:\0GIS\FR0743\MXDs\LTMR_DEC2015\GW_elev_2_to_15_DEC2015.mxd 13 June 2016 JRB

Figure 3-1
2 to 15 ft BLS Groundwater Elevations and Contours - December 2015



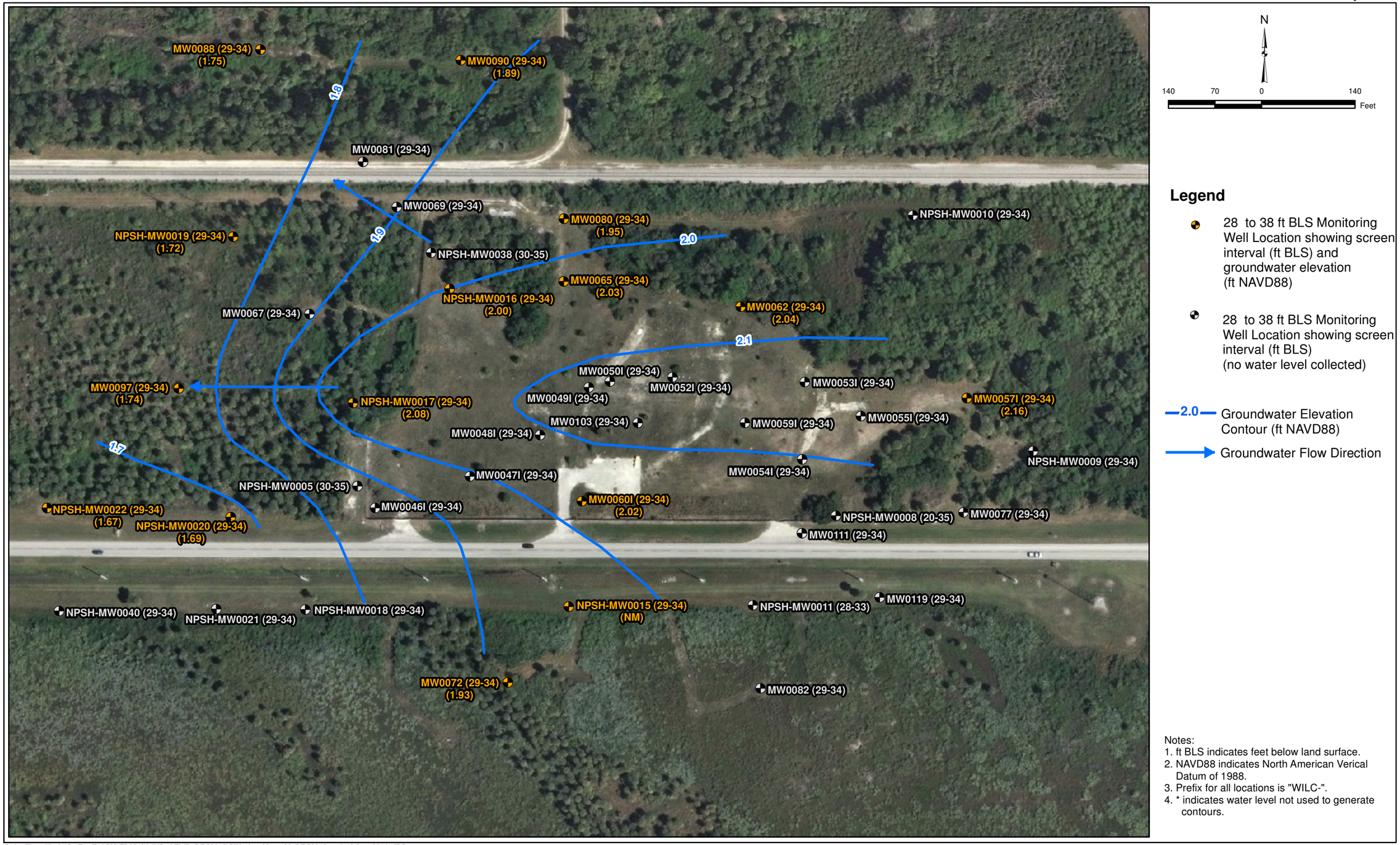
Legend

- 15 to 25 ft BLS Monitoring Well Location showing screen interval (ft BLS) and groundwater elevation (ft NAVD88)
- 15 to 25 ft BLS Monitoring Well Location showing screen interval (ft BLS) (no water level collected)
- 2.0 Groundwater Elevation Contour (ft NAVD88)
- Groundwater Flow Direction

Notes:
1. ft BLS indicates feet below land surface.
2. NAVD88 indicates North American Verical Datum of 1988.
3. Prefix for all locations is "WILC-".
4. * indicates not used for contouring.

Path: (Titusville-01\DATA) T:\0GIS\FR0743\MXDs\LTMR_DEC2015\GW_elev_15_to_25_DEC2015.mxd 13 June 2016 JRB

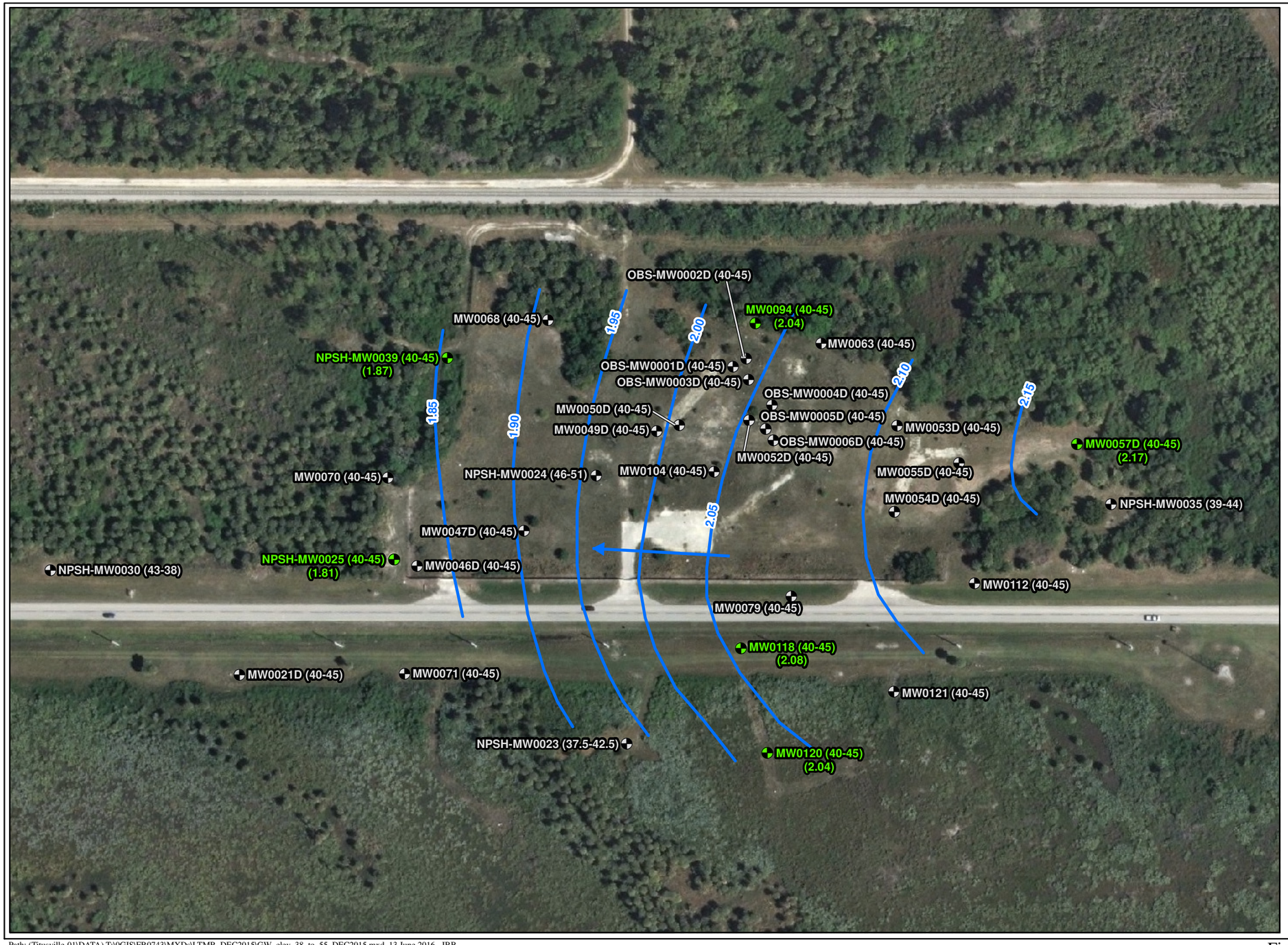
Figure 3-2
15 to 25 ft BLS Groundwater Elevations and Contours - December 2015



Notes:
1. ft BLS indicates feet below land surface.
2. NAVD88 indicates North American Verical Datum of 1988.
3. Prefix for all locations is "WILC-".
4. * indicates water level not used to generate contours.

Path: (Titusville-01\DATA) T:\0GIS\FR0743\MXDs\LTMR_DEC2015\GW_elev_28_to_38_DEC2015.mxd 13 June 2016 JRB

Figure 3-3
28 to 38 ft BLS Groundwater Elevations and Contours - December 2015



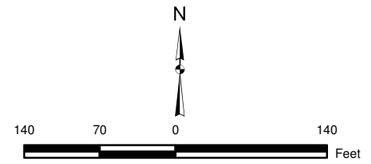
Legend

- 38 to 55 ft BLS Monitoring Well Location showing screen interval (ft BLS) and groundwater elevation (ft NAVD88)
- 38 to 55 ft BLS Monitoring Well Location showing screen interval (ft BLS) (no water level collected)
- 2.00 Groundwater Elevation Contour (ft NAVD88)
- Groundwater Flow Direction

Notes:
1. ft BLS indicates feet below land surface.
2. NAVD88 indicates North American Verical Datum of 1988.
3. * indicates water level not used to generate contours.
4. Prefix for all locations is "WILC-".

Path: (Titusville-01\DATA) T:\0GIS\FR0743\MXDs\LTMR_DEC2015\GW_elev_38_to_55_DEC2015.mxd 13 June 2016 JRB

Figure 3-4
38 to 55 ft BLS Groundwater Elevations and Contours - December 2015



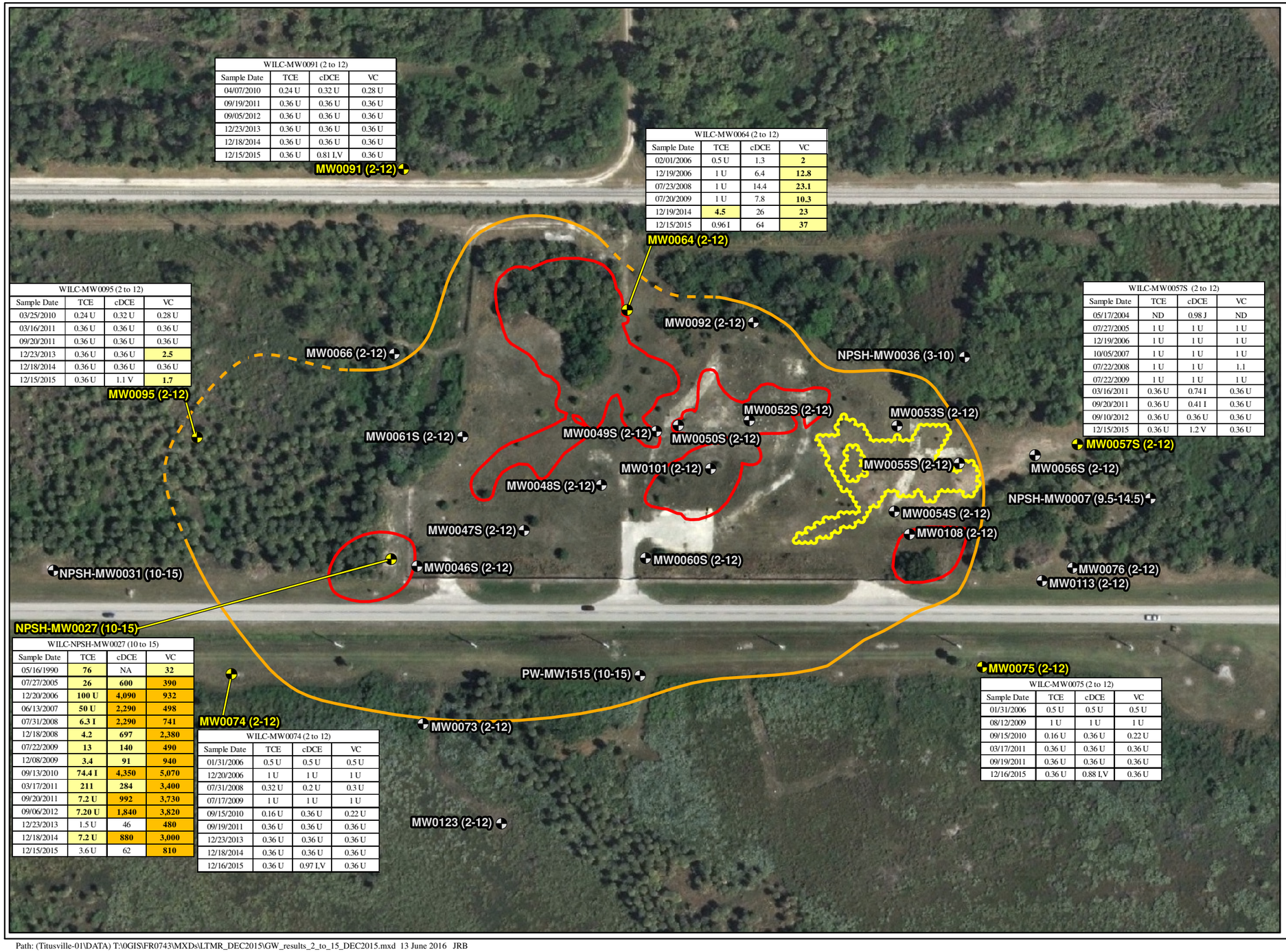
Legend

- > 55 ft BLS Monitoring Well Location showing screen interval (ft BLS) and groundwater elevation (ft NAVD88)
- > 55 ft BLS Monitoring Well Location showing screen interval (ft BLS) (no water level collected)

Notes:
1. ft BLS indicates feet below land surface.
2. NS indicates not surveyed.
3. NAVD88 indicates North American Verical Datum of 1988.
4. Prefix for all locations is "WILC-".

Path: (Titusville-01\DATA) T:\0GIS\FR0743\MXDs\LTMR_DEC2015\GW_elev_greater_55_DEC2015.mxd 13 June 2016 JRB

Figure 3-5
Greater than 55 ft BLS Groundwater Elevations and Contours - December 2015

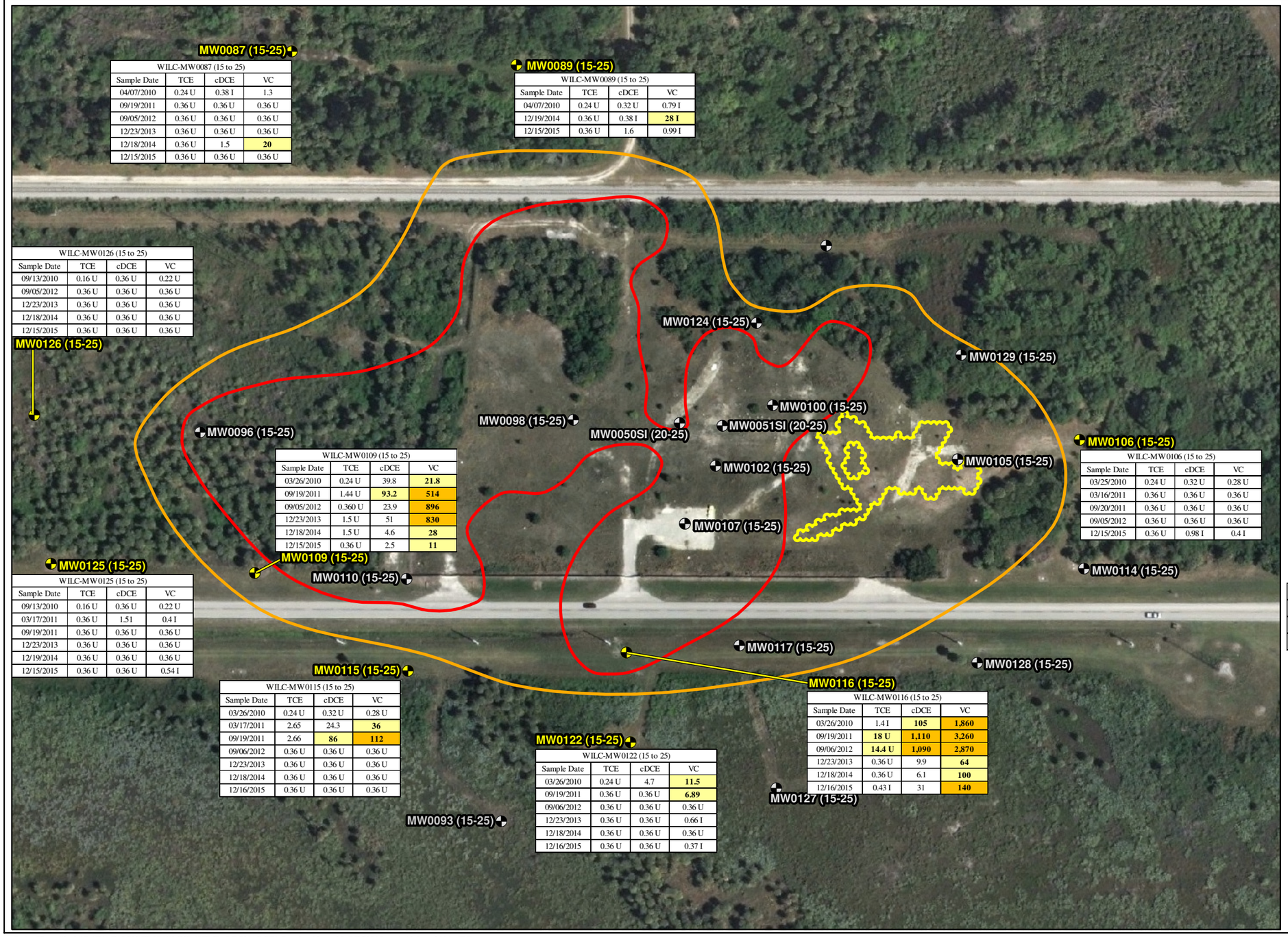


Parameter	Abbreviation	GCTL	NADC
Trichloroethene	TCE	3	300
cis -1,2-dichloroethene	cDCE	70	700
Vinyl Chloride	VC	1	100

Notes:
1. ft BLS indicates feet below land surface.
2. Results are presented in micrograms per liter (µg/L).
3. U indicates not detected above the method detection limit (MDL).
4. I indicates result is between the MDL and the practical quantitation limit.
5. V indicates the analyte was detected in both the sample and the associated method blank.
6. NA indicates not analyzed.
7. Yellow shaded, bold text indicates an exceedance of the Florida Department of Environmental Protection (FDEP) Groundwater Cleanup Target Level (GCTL).
8. Orange shaded, bold text indicates an exceedance of the FDEP Natural Attenuation Default Concentration (NADC).
9. Only sample results post excavation (2003-2004) are presented.
10. Isopleths are based on DPT results through 2014 and 2014 LTM results.
11. Prefix for all locations is "WILC-".

Path: (Titusville-01\DATA) T:\0GIS\FR0743\MXDs\LTMR_DEC2015\GW_results_2_to_15_DEC2015.mxd 13 June 2016 JRB

Figure 3-6
2 to 15 ft BLS Groundwater VOC Results



WILC-MW0087 (15 to 25)

Sample Date	TCE	cDCE	VC
04/07/2010	0.24 U	0.38 I	1.3
09/19/2011	0.36 U	0.36 U	0.36 U
09/05/2012	0.36 U	0.36 U	0.36 U
12/23/2013	0.36 U	0.36 U	0.36 U
12/18/2014	0.36 U	1.5	**20**
12/15/2015	0.36 U	0.36 U	0.36 U

WILC-MW0089 (15 to 25)

Sample Date	TCE	cDCE	VC
04/07/2010	0.24 U	0.32 U	0.79 I
12/19/2014	0.36 U	0.38 I	**28 I**
12/15/2015	0.36 U	1.6	0.99 I

WILC-MW0126 (15 to 25)

Sample Date	TCE	cDCE	VC
09/13/2010	0.16 U	0.36 U	0.22 U
09/05/2012	0.36 U	0.36 U	0.36 U
12/23/2013	0.36 U	0.36 U	0.36 U
12/18/2014	0.36 U	0.36 U	0.36 U
12/15/2015	0.36 U	0.36 U	0.36 U

WILC-MW0109 (15 to 25)

Sample Date	TCE	cDCE	VC
03/26/2010	0.24 U	39.8	**21.8**
09/19/2011	1.44 U	**93.2**	**514**
09/05/2012	0.360 U	23.9	**896**
12/23/2013	1.5 U	51	**830**
12/18/2014	1.5 U	4.6	**28**
12/15/2015	0.36 U	2.5	**11**

WILC-MW0106 (15 to 25)

Sample Date	TCE	cDCE	VC
03/25/2010	0.24 U	0.32 U	0.28 U
03/16/2011	0.36 U	0.36 U	0.36 U
09/20/2011	0.36 U	0.36 U	0.36 U
09/05/2012	0.36 U	0.36 U	0.36 U
12/15/2015	0.36 U	0.98 I	0.4 I

WILC-MW0125 (15 to 25)

Sample Date	TCE	cDCE	VC
09/13/2010	0.16 U	0.36 U	0.22 U
03/17/2011	0.36 U	1.51	0.4 I
09/19/2011	0.36 U	0.36 U	0.36 U
12/23/2013	0.36 U	0.36 U	0.36 U
12/19/2014	0.36 U	0.36 U	0.36 U
12/15/2015	0.36 U	0.36 U	0.54 I

WILC-MW0115 (15 to 25)

Sample Date	TCE	cDCE	VC
03/26/2010	0.24 U	0.32 U	0.28 U
03/17/2011	2.65	24.3	**36**
09/19/2011	2.66	**86**	**112**
09/06/2012	0.36 U	0.36 U	0.36 U
12/23/2013	0.36 U	0.36 U	0.36 U
12/18/2014	0.36 U	0.36 U	0.36 U
12/16/2015	0.36 U	0.36 U	0.36 U

WILC-MW0122 (15 to 25)

Sample Date	TCE	cDCE	VC
03/26/2010	0.24 U	4.7	**11.5**
09/19/2011	0.36 U	0.36 U	**6.89**
09/06/2012	0.36 U	0.36 U	0.36 U
12/23/2013	0.36 U	0.36 U	0.66 I
12/18/2014	0.36 U	0.36 U	0.36 U
12/16/2015	0.36 U	0.36 U	0.37 I

WILC-MW0116 (15 to 25)

Sample Date	TCE	cDCE	VC
03/26/2010	1.4 I	**105**	**1,860**
09/19/2011	**18 U**	**1,110**	**3,260**
09/06/2012	**14.4 U**	**1,090**	**2,870**
12/23/2013	0.36 U	9.9	**64**
12/18/2014	0.36 U	6.1	**100**
12/16/2015	0.43 I	31	**140**

N

140 70 0 140
Feet

Legend

15 to 25 ft BLS Monitoring Well Location showing screen interval (ft BLS)

Annual LTM Sampling Location

Not Sampled as Part of LTM

Overall Extent of GCTL Isopleth

Overall Extent of NADC Isopleth

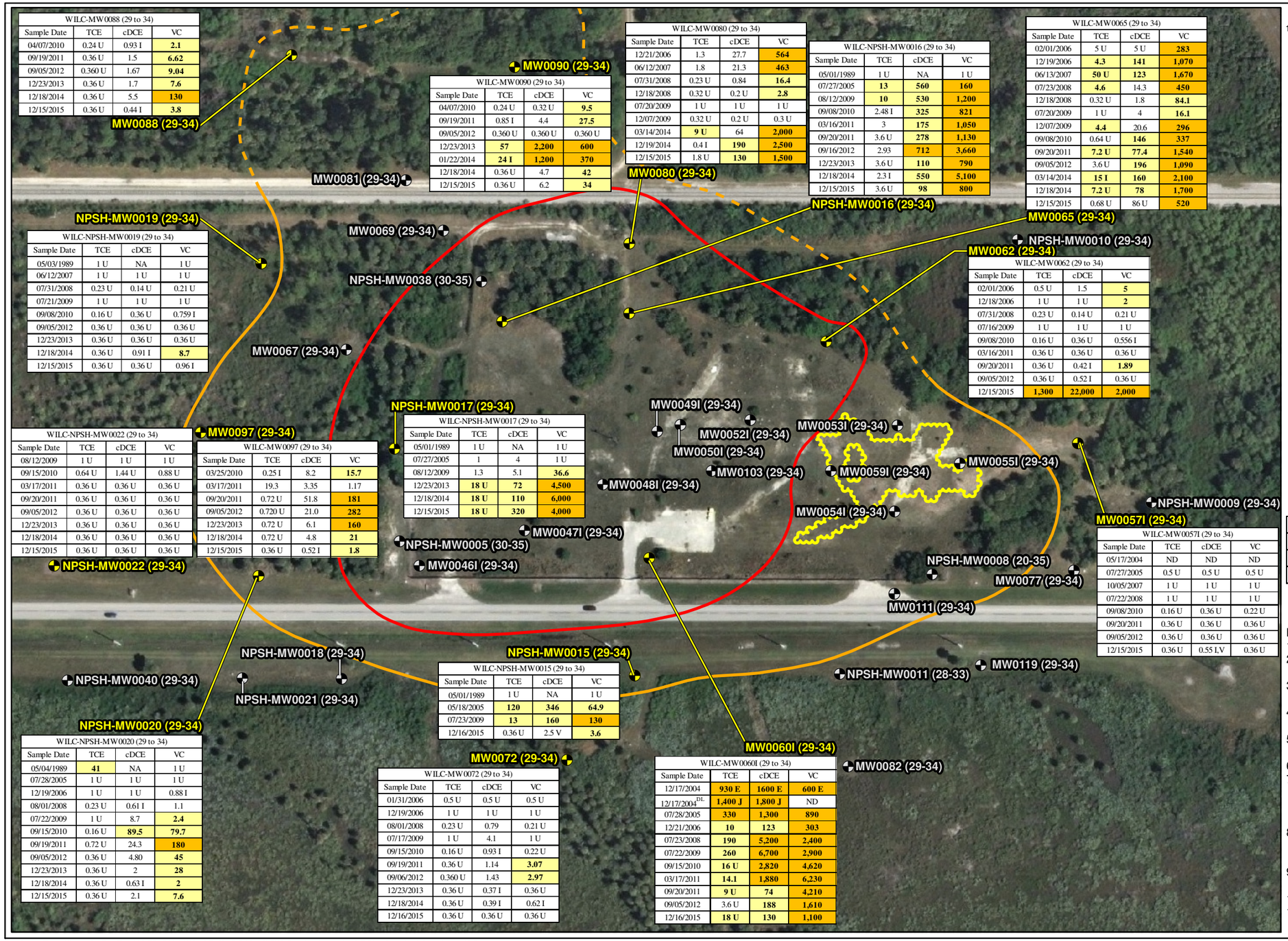
Hot Spot 1 Treatment Area

Parameter	Abbreviation	GCTL	NADC
Trichloroethene	TCE	3	300
cis-1,2-dichloroethene	cDCE	70	700
Vinyl Chloride	VC	1	100

Notes:
1. ft BLS indicates feet below land surface.
2. Results are presented in micrograms per liter (µg/L).
3. U indicates not detected above the method detection limit (MDL).
4. I indicates result is between the MDL and the practical quantitation limit.
5. Yellow shaded, bold text indicates an exceedance of the Florida Department of Environmental Protection (FDEP) Groundwater Cleanup Target Level (GCTL).
6. Orange shaded, bold text indicates an exceedance of the FDEP Natural Attenuation Default Concentration (NADC).
7. Isopleths are based on DPT results through 2012 and 2014 LTM results.
8. Prefix for all locations is "WILC-".
9. Isopleths are based on DPT results through 2014 and 2014 LTM results.

Path: (Titusville-01\DATA) T:\0GIS\FR0743\MXDs\LTMR_DEC2015\GW_Results_15_to_25_DEC2015.mxd 13 June 2016 JRB

Figure 3-7
15 to 25 ft BLS Groundwater VOC Results



WILC-MW0088 (29 to 34)

Sample Date	TCE	cDCE	VC
04/07/2010	0.24 U	0.93 I	**2.1**
09/19/2011	0.36 U	1.5	**6.62**
09/05/2012	0.360 U	1.67	**9.04**
12/23/2013	0.36 U	1.7	**7.6**
12/18/2014	0.36 U	5.5	**130**
12/15/2015	0.36 U	0.44 I	**3.8**

WILC-MW0090 (29 to 34)

Sample Date	TCE	cDCE	VC
04/07/2010	0.24 U	0.32 U	**9.5**
09/19/2011	0.85 I	4.4	**27.5**
09/05/2012	0.360 U	0.360 U	0.360 U
12/23/2013	**57**	**2,200**	**600**
01/22/2014	**24 I**	**1,200**	**370**
12/18/2014	0.36 U	4.7	**42**
12/15/2015	0.36 U	6.2	**34**

WILC-MW0080 (29 to 34)

Sample Date	TCE	cDCE	VC
12/21/2006	1.3	27.7	**564**
06/12/2007	1.8	21.3	**463**
07/31/2008	0.23 U	0.84	**16.4**
12/18/2008	0.32 U	0.2 U	**2.8**
07/20/2009	1 U	1 U	1 U
12/07/2009	0.32 U	0.2 U	0.3 U
03/14/2014	**9 U**	64	**2,000**
12/19/2014	0.4 I	**190**	**2,500**
12/15/2015	1.8 U	**130**	**1,500**

WILC-NPSH-MW0016 (29 to 34)

Sample Date	TCE	cDCE	VC
05/01/1989	1 U	NA	1 U
07/27/2005	**13**	**560**	**160**
08/12/2009	**10**	**530**	**1,200**
09/08/2010	2.48 I	**325**	**821**
03/16/2011	3	**175**	**1,050**
09/20/2011	3.6 U	**278**	**1,130**
09/16/2012	2.93	**712**	**3,660**
12/23/2013	3.6 U	**110**	**790**
12/18/2014	2.3 I	**550**	**5,100**
12/15/2015	3.6 U	**98**	**800**

WILC-MW0065 (29 to 34)

Sample Date	TCE	cDCE	VC
02/01/2006	5 U	5 U	**283**
12/19/2006	**4.3**	**141**	**1,070**
06/13/2007	**50 U**	**123**	**1,670**
07/23/2008	**4.6**	14.3	**450**
12/18/2008	0.32 U	1.8	**84.1**
07/20/2009	1 U	4	**16.1**
12/07/2009	**4.4**	20.6	**296**
09/08/2010	0.64 U	**146**	**337**
09/20/2011	**7.2 U**	**77.4**	**1,540**
09/05/2012	3.6 U	**196**	**1,090**
03/14/2014	**15 I**	**160**	**2,100**
12/18/2014	**7.2 U**	**78**	**1,700**
12/15/2015	0.68 U	86 U	**520**

WILC-NPSH-MW0019 (29 to 34)

Sample Date	TCE	cDCE	VC
05/03/1989	1 U	NA	1 U
06/12/2007	1 U	1 U	1 U
07/31/2008	0.23 U	0.14 U	0.21 U
07/21/2009	1 U	1 U	1 U
09/08/2010	0.16 U	0.36 U	0.759 I
09/05/2012	0.36 U	0.36 U	0.36 U
12/23/2013	0.36 U	0.36 U	0.36 U
12/18/2014	0.36 U	0.91 I	**8.7**
12/15/2015	0.36 U	0.36 U	0.96 I

WILC-MW0062 (29 to 34)

Sample Date	TCE	cDCE	VC
02/01/2006	0.5 U	1.5	**5**
12/18/2006	1 U	1 U	**2**
07/31/2008	0.23 U	0.14 U	0.21 U
07/16/2009	1 U	1 U	1 U
09/08/2010	0.16 U	0.36 U	0.556 I
03/16/2011	0.36 U	0.36 U	0.36 U
09/20/2011	0.36 U	0.42 I	**1.89**
09/05/2012	0.36 U	0.52 I	0.36 U
12/15/2015	**1,300**	**22,000**	**2,000**

WILC-NPSH-MW0022 (29 to 34)

Sample Date	TCE	cDCE	VC
08/12/2009	1 U	1 U	1 U
09/15/2010	0.64 U	1.44 U	0.88 U
03/17/2011	0.36 U	0.36 U	0.36 U
09/20/2011	0.36 U	0.36 U	0.36 U
09/05/2012	0.36 U	0.36 U	0.36 U
12/23/2013	0.36 U	0.36 U	0.36 U
12/18/2014	0.36 U	0.36 U	0.36 U
12/15/2015	0.36 U	0.36 U	0.36 U

WILC-MW0097 (29 to 34)

Sample Date	TCE	cDCE	VC
03/25/2010	0.25 I	8.2	**15.7**
03/17/2011	19.3	3.35	1.17
09/20/2011	0.72 U	51.8	**181**
09/05/2012	0.720 U	21.0	**282**
12/23/2013	0.72 U	6.1	**160**
12/18/2014	0.72 U	4.8	**21**
12/15/2015	0.36 U	0.52 I	**1.8**

WILC-NPSH-MW0017 (29 to 34)

Sample Date	TCE	cDCE	VC
05/01/1989	1 U	NA	1 U
07/27/2005	1	4	1 U
08/12/2009	1.3	5.1	**36.6**
12/23/2013	**18 U**	**72**	**4,500**
12/18/2014	**18 U**	**110**	**6,000**
12/15/2015	**18 U**	**320**	**4,000**

WILC-MW0057I (29 to 34)

Sample Date	TCE	cDCE	VC
05/17/2004	ND	ND	ND
07/27/2005	0.5 U	0.5 U	0.5 U
10/05/2007	1 U	1 U	1 U
07/22/2008	1 U	1 U	1 U
09/08/2010	0.16 U	0.36 U	0.22 U
09/20/2011	0.36 U	0.36 U	0.36 U
09/05/2012	0.36 U	0.36 U	0.36 U
12/15/2015	0.36 U	0.55 I,V	0.36 U

WILC-NPSH-MW0020 (29 to 34)

Sample Date	TCE	cDCE	VC
05/04/1989	**41**	NA	1 U
07/28/2005	1 U	1 U	1 U
12/19/2006	1 U	1 U	0.88 I
08/01/2008	0.23 U	0.61 I	1.1
07/22/2009	1 U	8.7	**2.4**
09/15/2010	0.16 U	**89.5**	**79.7**
09/19/2011	0.72 U	24.3	**180**
09/05/2012	0.36 U	4.80	**45**
12/23/2013	0.36 U	2	**28**
12/18/2014	0.36 U	0.63 I	**2**
12/15/2015	0.36 U	2.1	**7.6**

WILC-NPSH-MW0015 (29 to 34)

Sample Date	TCE	cDCE	VC
05/01/1989	1 U	NA	1 U
05/18/2005	**120**	**346**	**64.9**
07/23/2009	**13**	**160**	**130**
12/16/2015	0.36 U	2.5 V	**3.6**

WILC-MW0072 (29 to 34)

Sample Date	TCE	cDCE	VC
01/31/2006	0.5 U	0.5 U	0.5 U
12/19/2006	1 U	1 U	1 U
08/01/2008	0.23 U	0.79	0.21 U
07/17/2009	1 U	4.1	1 U
09/15/2010	0.16 U	0.93 I	0.22 U
09/19/2011	0.36 U	1.14	**3.07**
09/06/2012	0.360 U	1.43	**2.97**
12/23/2013	0.36 U	0.37 I	0.36 U
12/18/2014	0.36 U	0.39 I	0.62 I
12/16/2015	0.36 U	0.36 U	0.36 U

WILC-MW0060I (29 to 34)

Sample Date	TCE	cDCE	VC
12/17/2004	**930 E**	**1600 E**	**600 E**
12/17/2004 DL	**1,400 J**	**1,800 J**	ND
07/28/2005	**330**	**1,300**	**890**
12/21/2006	**10**	**123**	**303**
07/23/2008	**190**	**5,200**	**2,400**
07/22/2009	**260**	**6,700**	**2,900**
09/15/2010	**16 U**	**2,820**	**4,620**
03/17/2011	**14.1**	**1,880**	**6,230**
09/20/2011	**9 U**	**74**	**4,210**
09/05/2012	3.6 U	**188**	**1,610**
12/16/2015	**18 U**	**130**	**1,100**

140 70 0 140 Feet

N

Legend

28 to 38 ft BLS Monitoring Well Location showing screen interval (ft BLS)

Annual LTM Sampling Location

Not Sampled as Part of LTM

Overall Extent of GCTL Isopleth (dashed where inferred)

Overall Extent of NADC Isopleth

Hot Spot 1 Treatment Area

Parameter	Abbreviation	GCTL	NADC
Trichloroethene	TCE	3	300
cis-1,2-dichloroethene	cDCE	70	700
Vinyl Chloride	VC	1	100

Notes:
1. ft BLS indicates feet below land surface.
2. Results are presented in micrograms per liter (µg/L).
3. U indicates not detected above the method detection limit (MDL).
4. I indicates result is between the MDL and the practical quantitation limit.
5. V indicates the analyte was detected in both the sample and the associated method blank.
6. NA indicates not analyzed.
7. Yellow shaded, bold text indicates an exceedance of the Florida Department of Environmental Protection (FDEP) Groundwater Cleanup Target Level (GCTL).
8. Orange shaded, bold text indicates an exceedance of the FDEP Natural Attenuation Default Concentration (NADC).
9. Only sample results post excavation (2003-2004) are presented.
10. Prefix for all locations is "WILC-".
11. Isopleths are based on DPT results through 2014 and 2014 LTM results.

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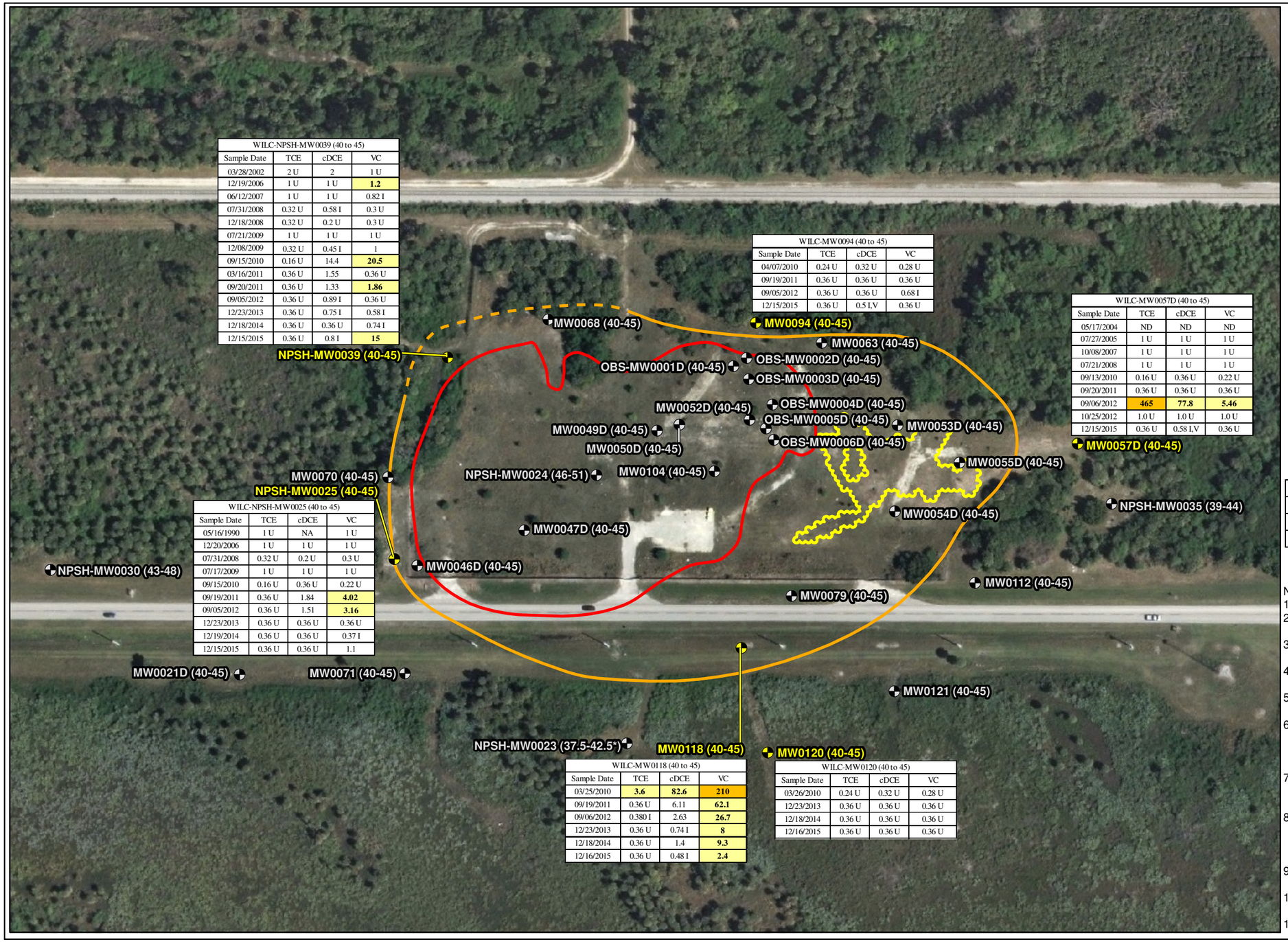
Figure 3-8
28 to 38 ft BLS Groundwater VOC Results



WILC-NPSH-MW0039 (40 to 45)

Sample Date	TCE	cDCE	VC
03/28/2002	2 U	2	1 U
12/19/2006	1 U	1 U	**1.2**
06/12/2007	1 U	1 U	0.82 I
07/31/2008	0.32 U	0.58 I	0.3 U
12/18/2008	0.32 U	0.2 U	0.3 U
07/21/2009	1 U	1 U	1 U
12/08/2009	0.32 U	0.45 I	1
09/15/2010	0.16 U	14.4	**20.5**
03/16/2011	0.36 U	1.55	0.36 U
09/20/2011	0.36 U	1.33	**1.86**
09/05/2012	0.36 U	0.89 I	0.36 U
12/23/2013	0.36 U	0.75 I	0.58 I
12/18/2014	0.36 U	0.36 U	0.74 I
12/15/2015	0.36 U	0.8 I	**15**

WILC-MW0094 (40 to 45)

Sample Date	TCE	cDCE	VC
04/07/2010	0.24 U	0.32 U	0.28 U
09/19/2011	0.36 U	0.36 U	0.36 U
09/05/2012	0.36 U	0.36 U	0.68 I
12/15/2015	0.36 U	0.5 I,V	0.36 U

WILC-MW0057D (40 to 45)

Sample Date	TCE	cDCE	VC
05/17/2004	ND	ND	ND
07/27/2005	1 U	1 U	1 U
10/08/2007	1 U	1 U	1 U
07/21/2008	1 U	1 U	1 U
09/13/2010	0.16 U	0.36 U	0.22 U
09/20/2011	0.36 U	0.36 U	0.36 U
09/06/2012	**465**	**77.8**	**5.46**
10/25/2012	1.0 U	1.0 U	1.0 U
12/15/2015	0.36 U	0.58 I,V	0.36 U

WILC-NPSH-MW0025 (40 to 45)

Sample Date	TCE	cDCE	VC
05/16/1990	1 U	NA	1 U
12/20/2006	1 U	1 U	1 U
07/31/2008	0.32 U	0.2 U	0.3 U
07/17/2009	1 U	1 U	1 U
09/15/2010	0.16 U	0.36 U	0.22 U
09/19/2011	0.36 U	1.84	**4.02**
09/05/2012	0.36 U	1.51	**3.16**
12/23/2013	0.36 U	0.36 U	0.36 U
12/19/2014	0.36 U	0.36 U	0.37 I
12/15/2015	0.36 U	0.36 U	1.1

WILC-MW0118 (40 to 45)

Sample Date	TCE	cDCE	VC
03/25/2010	**3.6**	**82.6**	**210**
09/19/2011	0.36 U	6.11	**62.1**
09/06/2012	0.380 I	2.63	**26.7**
12/23/2013	0.36 U	0.74 I	**8**
12/18/2014	0.36 U	1.4	**9.3**
12/16/2015	0.36 U	0.48 I	**2.4**

WILC-MW0120 (40 to 45)

Sample Date	TCE	cDCE	VC
03/26/2010	0.24 U	0.32 U	0.28 U
12/23/2013	0.36 U	0.36 U	0.36 U
12/18/2014	0.36 U	0.36 U	0.36 U
12/16/2015	0.36 U	0.36 U	0.36 U

Legend

38 to 55 ft BLS Monitoring Well Location showing screen interval (ft BLS)

Annual LTM Sampling Location

Not Sampled as Part of LTM

Overall Extent of GCTL Isopleth (dashed where inferred)

Overall Extent of NADC Isopleth

Hot Spot 1 Treatment Area

Parameter	Abbreviation	GCTL	NADC
Trichloroethene	TCE	3	300
cis -1,2-dichloroethene	cDCE	70	700
Vinyl Chloride	VC	1	100

Notes:
1. ft BLS indicates feet below land surface.
2. Results are presented in micrograms per liter (µg/L).
3. U indicates not detected above the method detection limit (MDL).
4. I indicates result is between the MDL and the practical quantitation limit.
5. V indicates the analyte was detected in both the sample and the associated method blank.
6. Yellow shaded, bold text indicates an exceedance of the Florida Department of Environmental Protection (FDEP) Groundwater Cleanup Target Level (GCTL).
7. Orange shaded, bold text indicates an exceedance of the FDEP Natural Attenuation Default Concentration (NADC).
8. * indicates unable to locate well NPSH-MW0023 (damaged). MW0120 was added to the LTM Plan to provide data for the southern boundary at this depth interval.
9. Only sample results post excavation (2003-2004) are presented.
10. Isopleths are based on DPT results through 2014 and 2014 LTM results.
11. Prefix for all locations is "WILC-".

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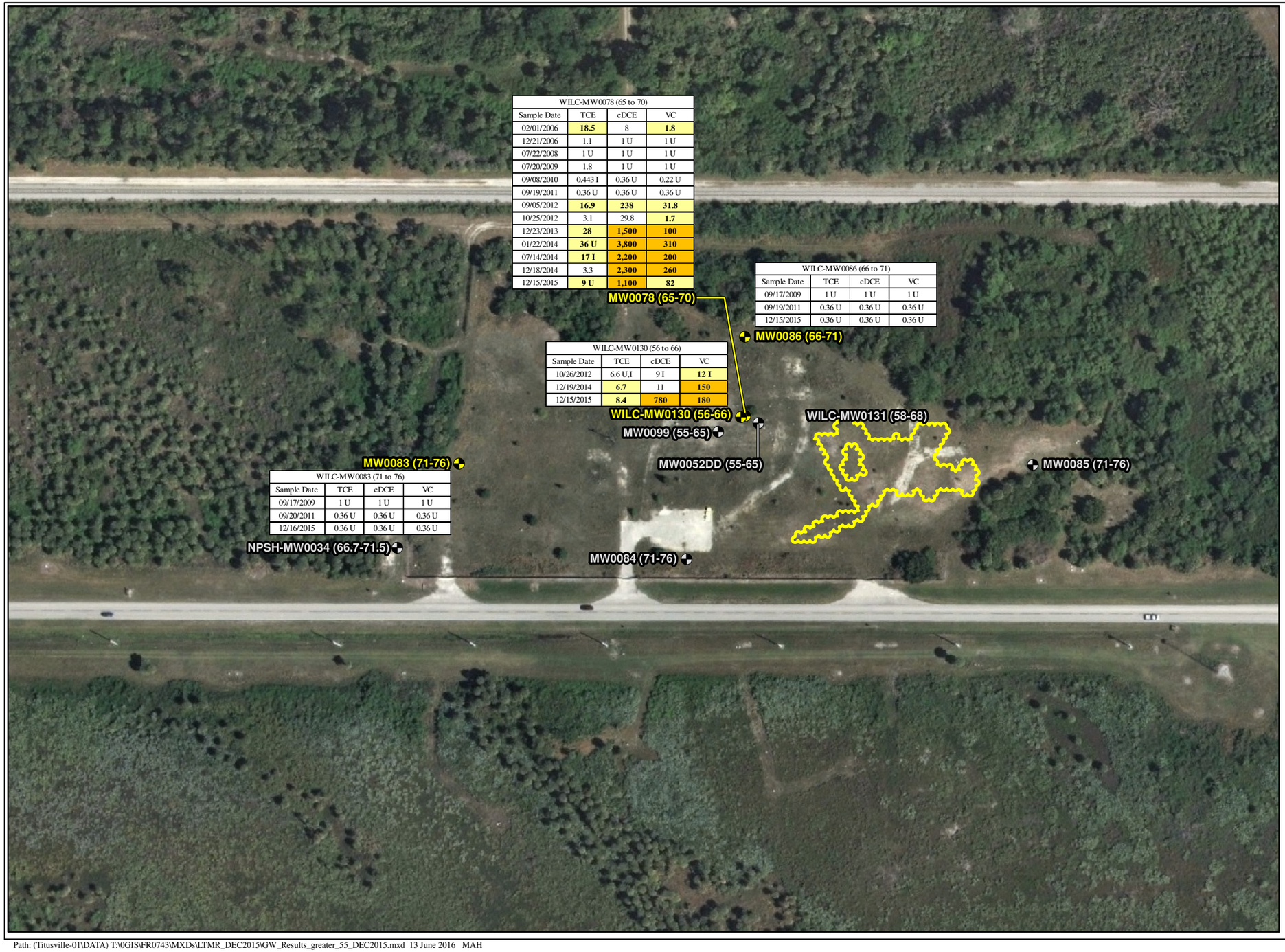
Figure 3-9
38 to 55 ft BLS Groundwater VOC Results



Parameter	Abbreviation	GCTL	NADC
Trichloroethene	TCE	3	300
cis-1,2-dichloroethene	cDCE	70	700
Vinyl Chloride	VC	1	100

Notes:
1. ft BLS indicates feet, below land surface.
2. Results are presented in micrograms per liter (µg/L).
3. U indicates not detected above the method detection limit (MDL).
4. I indicates result is between the MDL and the Practical Quantitation Limit.
5. "-R" at the end of the date indicates the sample was collected after 100 gallons were purged from the well.
6. Yellow shaded, bold text indicates an exceedance of the Florida Department of Environmental Protection (FDEP) Groundwater Cleanup Target Level (GCTL).
7. Orange shaded, bold text indicates an exceedance of the FDEP Natural Attenuation Default Concentration (NADC).
8. Prefix for all locations is "WILC-".

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Figure 3-10
Greater than 55 ft BLS Groundwater VOC Results

SECTION IV

CONCLUSIONS AND RECOMMENDATIONS

The following conclusions can be made based on the 2015 LTM results:

- groundwater flow direction is generally to the west with northwest and southwest flow components from the water table to approximately 55 ft BLS;
- the peripheral wells generally delineate VOCs to GCTLs except for monitoring well MW0062;
- VOCs in interior downgradient wells generally fluctuate within historic ranges except for monitoring wells in the north-northwest portion of the site, which have vinyl chloride concentrations fluctuating within historically observed range;
- the vertical extents of the VOCs were historically delineated by monitoring wells screened greater than 60 ft BLS (MW0083 through MW0086, and MW0078). The 2015 LTM results indicate that concentrations of daughter products cDCE and VC are greater than NADCs in MW0078 and that VC is greater than the NADC in MW0130. TCE was not detected above method detection limits in these wells. No GCTL exceedances were identified in monitoring wells MW0083 or MW0086.
- the dissolved plume footprint appears generally stable, though not fully delineated by the sampled monitoring wells in the north-northeast portion of the site; and
- 2015 LTM results generally support the existing Conceptual Site Model.

Geosyntec recommends modifying the LTM program (Table 4-1 and Figure 4-1) and preforming a DPT investigation in the north-northeastern portion of the site. A cluster of monitoring wells (MW0132 [2 to 12 ft BLS], MW0133 [15 to 25 ft BLS], and MW0134 [29 to 34 ft BLS]) is proposed to refine impacts in the north-northeast portion of the site. The proposed five-year monitoring plan is presented in Table 4-2 and on Figure 4-2 showing the monitoring wells to be added to the current monitoring well network for the 2020 LTM (to be modified based on 2016 through 2019 LTM results).

Geosyntec recommends installation of a vertical extent well in the center of the site (Hot Spot 2 area) post-remediation implementation due to the likelihood that this well would be damaged or abandoned if installed prior.

Objectives of the 2016 LTM will be to: (i) evaluate groundwater gradient and flow direction by collecting depth to water measurements from 2016 LTM wells and from eastern (MW0057S/ MW0106/MW0057I/MW0057D) and central (MW0052S/MW0100/MW0052I/MW0052D)

monitoring well clusters; (ii) continue monitoring the downgradient peripheral VOC trends in the northern and western portions of the site; and (iii) monitor select downgradient internal plume wells. It is recommended that all VOC samples be collected using PDBs.

Table 4-1. Proposed 2016 LTM Plan
Wilson Corners, SWMU 001

Monitoring Well	Screened Interval (ft BLS)	Rationale
2 to 15 ft BLS		
NPSH-MW0027	10 to 15	Southwestern Downgradient Well
PW-MW1515	10 to 15	Southern Well
MW0064	2 to 12	Provides downgradient data north of Hot Spot 2 and east of Hot Spot 4 Areas
MW0074	2 to 12	Southwestern Peripheral Well
MW0091	2 to 12	Northwestern Peripheral Well
MW0095	2 to 12	Western Peripheral Well
MW0132	2 to 12	North-northeastern Peripheral Well
15 to 25 ft BLS		
MW0087	15 to 25	Northwestern Peripheral Well
MW0089	15 to 25	Provides downgradient data north of the Site
MW0096	15 to 25	Western Downgradient Well
MW0109	15 to 25	Southwestern Downgradient Well
MW0115	15 to 25	Southwestern Peripheral Well
MW0116	15 to 25	Southern Downgradient Well
MW0126	15 to 25	Western Peripheral Well
MW0133	15 to 25	North-northeastern Peripheral Well
28 to 38 ft BLS		
NPSH-MW0010	29 to 34	Northeastern Peripheral Well
NPSH-MW0015	29 to 34	Southern Downgradient Well
NPSH-MW0016	29 to 34	Northwestern Downgradient Well
NPSH-MW0017	29 to 34	Western Downgradient Well
NPSH-MW0019	29 to 34	Western Peripheral Well
NPSH-MW0020	29 to 34	Southwestern Downgradient Well
MW0062	29 to 34	5 Year Sample Location: North, Inconsistent Results
MW0065	29 to 34	North-Central Well
MW0072	29 to 34	Southern Peripheral Well
MW0080	29 to 34	North-Central Well
MW0088	29 to 34	Northwestern Peripheral Well
MW0090	29 to 34	Northern Peripheral Well
MW0097	29 to 34	Western Peripheral Well
MW0111	29 to 34	Southeastern Well; South of Hot Spot 1 Poster-Interim Measure
MW0134	29 to 34	North-northeastern Peripheral Well
38 to 48 ft BLS		
NPSH-MW0025	40 to 45	Western Downgradient Well
NPSH-MW0039	40 to 45	Western Peripheral Well
MW0068	40 to 45	Northwest Peripheral Well

Table 4-1. Proposed 2016 LTM Plan
Wilson Corners, SWMU 001

Monitoring Well	Screened Interval (ft BLS)	Rationale
Greater than 48 ft BLS		
MW0078	65 to 70	Vertical Peripheral Well
MW0130	56 to 66	Low Flow Sample Vertically Beneath the Clay Layer in Hot Spot 2 Area

Notes:

1. All samples will be analyzed for volatile organic compounds (VOCs) by EPA Method 8260B using PDBs.
2. ft BLS indicates feet below land surface.
3. LTM indicates long term monitoring.
4. 5-Year Sample Locations were removed: MW0057S, MW0075, MW0106, MW0057I, MW0060I, MW0057D, MW0083, and MW0086.
5. Select internal downgradient wells with concentrations fluctuating within historical ranges were removed: MW0120, MW0125, and MW0118.
6. Select peripheral wells with concentrations below Groundwater Cleanup Target Levels for several events were removed: MW0120 and MW0122.
7. Yellow highlighting indicates proposed monitoring well.
8. Red text indicates additional monitoring well for 2016 (not included in 2015 LTM Plan).

Table 4-2. 2020 Proposed 5-Year Monitoring Plan
Wilson Corners, SWMU 001

Monitoring Well	Screened Interval (ft BLS)	Rationale
2 to 15 ft BLS		
MW0057S	2 to 12	Eastern Peripheral Well
MW0075	2 to 12	Southeastern Peripheral Well
15 to 25 ft BLS		
MW0106	15 to 25	Eastern Peripheral Well
MW0122	15 to 25	Southern Peripheral Well
MW0125	15 to 25	Western Peripheral Well
28 to 38 ft BLS		
NPSH-MW0022	29 to 34	Southwestern Peripheral Well
MW0057I	29 to 34	Eastern Peripheral Well
MW0060I	29 to 34	Southern NADC Plume Well
NPSH-MW0022	29 to 34	Southwestern Peripheral Well
38 to 48 ft BLS		
MW0057D	40 to 45	Eastern Peripheral Well
MW0094	40 to 45	Northern Peripheral Well
MW0118	40 to 45	Southern Downgradient Well
MW0120	40 to 45	Southern Peripheral Well
Greater than 48 ft BLS		
MW0083	71 to 76	Vertical/Western Peripheral Well
MW0086	66 to 71	Vertical/Northern Peripheral Well

Notes:

1. All samples will be analyzed for volatile organic compounds (VOCs) by EPA Method 8260B.
2. ft BLS indicates feet below land surface.
3. LTM indicates long term monitoring.
4. These wells are intended to be sampled at a 5-year frequency in addition to the annual LTM wells. Actual wells and number of wells will be determined after review of the 2016 through 2019 sampling results.

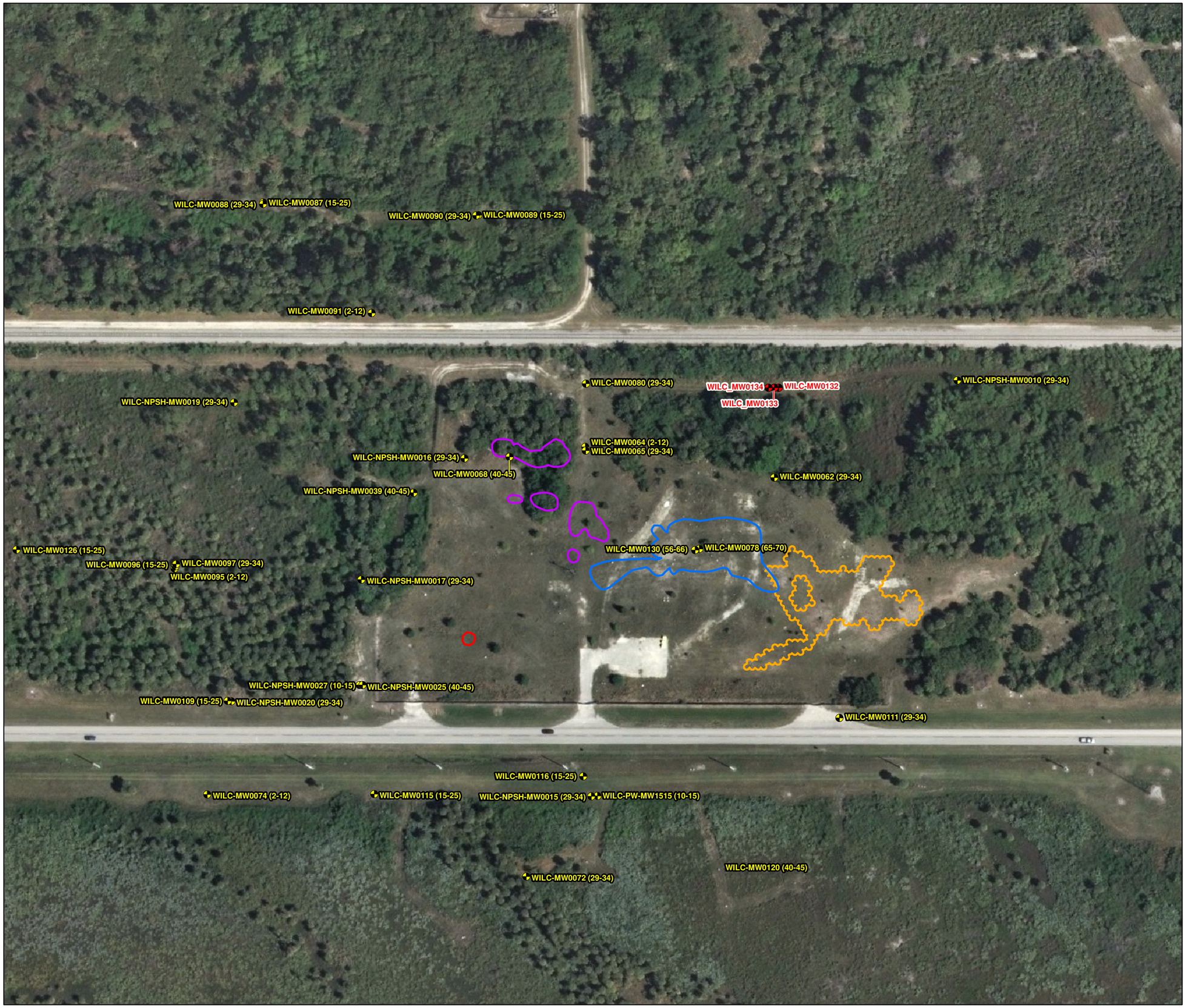

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Figure 4-1
Proposed 2016 LTM Well Network

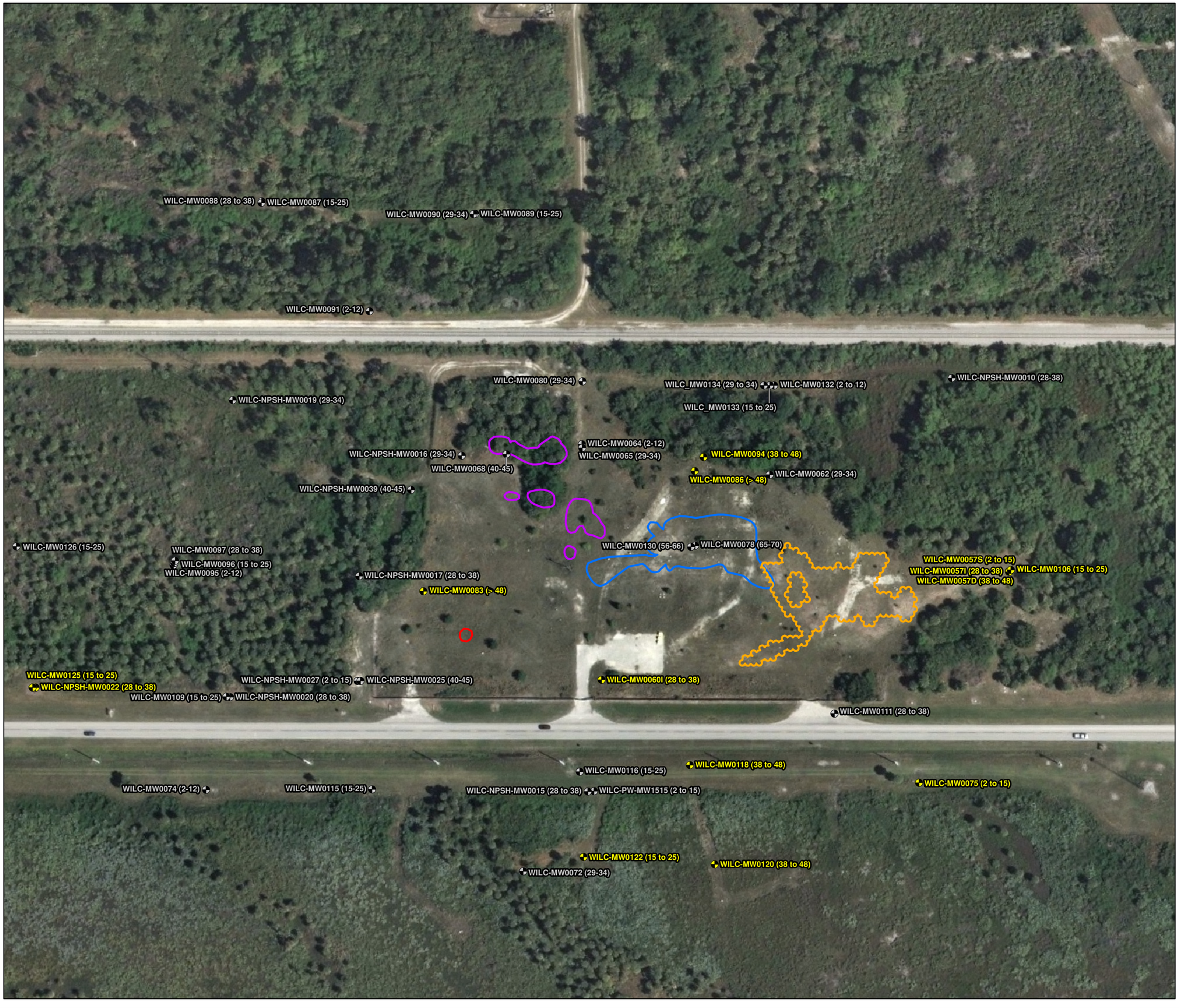

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Figure 4-2
2020 Proposed 5-Year Monitoring Plan
4-9/4-10

SECTION V

REFERENCES

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APPENDIX A

REMEDIATION TEAM MEETING MINUTES AND DECISIONS

Revision 1 Meeting Minutes for April 23 and 24, 2015

Attendees:

John Armstrong/FDEP (via telephone)
Rosaly Santos-Ebaugh/NASA
Mike Deliz/NASA (via telephone)
Anne Chrest/NASA
Dinh Vo/NASA
Harry Plaza/NASA
John Matthews/NASA
Tim Mrdjenovich/IHA
Michele Cielukowski/IHA
Dan Scarini/IHA
Amanda Beatty/IHA
Guy Fazzio/Jacobs
Melissa Hensley/Geosyntec
Rebecca Daprato/Geosyntec
Jim Langenbach/Geosyntec
Lane Dorman/Geosyntec
Whitney Morrison/Geosyntec
Mike Burcham/Geosyntec
Emily Lawson/Geosyntec
Crystal Towns/Geosyntec (via telephone)
Mark Speranza/Tetra Tech
Mark Jonnet/Tetra Tech
Jennifer Buel/Tetra Tech
Chris Hook/Tetra Tech
Harlan Faircloth/ CORE
Gordon Kirkland/FECC
Scott Starr/Arcadis

1504-M17	Emily Lawson/ Geosyntec	<u>Wilson Corners (SWMU 001)</u> **Goal**: Present annual long term monitoring, additional assessment monitoring well sampling, and obtain team consensus on proposed 2015 LTM plan. **Discussion**: The objective of the LTM is to document conditions around downgradient periphery of dissolved plume and select locations internal to the dissolved plume. Based on the sampling results, the downgradient peripheral wells generally delineate the plume to GCTLs. Increasing trends in peripheral monitoring wells in northwest portion of site indicate potential plume migration/expansion. Vertical extents of VOCs were provided by historically sampled monitoring wells screened greater than 60 ft BLS (MW0083 through MW0086, and MW0078). 2014 LTM results indicate: • MW0078 concentrations of cDCE and VC greater than NADCs, • MW0130 concentration of VC greater than NADC, and • MW0052DD VOC concentrations inconsistent with other monitoring wells screened in the same depth interval uncertainty regarding well integrity. Team consensus reached on proposed 2015 LTM plan as presented in the April 2015 ADP. Team consensus reached to abandon monitoring well MW0052DD via over-drilling.

Results: Decision items 1504-D68 to D69

Decision No.	Minutes reference	Decision
1504-D68	1504-M17	Wilson Corners (SWMU 001) - Team consensus reached on proposed 2015 LTM plan as presented in the April 2015 ADP.
1504-D69	1504-M17	Wilson Corners (SWMU 001) - Team consensus reached to abandon monitoring well MW0052DD via over-drilling.

APPENDIX B

FIELD FORMS
(FURNISHED ON CD ONLY)

Geosyntec consultants

DAILY FIELD REPORT

Page 1 of 1

Project: Wilson Corner
Project No.: FR0743B
Contractors: none

Date: 11-24-15
Task No.:

Work Performed

Well Installation:
Soil Borings:
DPT:
Well Inventory:
Other: WLs + PDB deployment

Sampling Soil:
Sampling SW/Sediment:
Sampling Monitor Wells:
Sampling Hazardous Waste:
Sampling Drums:

Observations/Issues of Concern

0800 - Mike Burham (MB) + Ben Coppenger (BC) arrive @ office + prep for day. Get supplies from sled + Wal-Mart

0925 - Arrive @ MW87 + MW85. Start MW GW ~~grab~~ collection + PDB deployment

1115 - Observe that WLC-NPSH-MW0015 has been destroyed, likely by clearing equipment. BC informs Emily Lawson (EL). EL provides path forward: tag TD of well ~~if~~ ~ 33.7 ft BLS

Place PDB in well per EL. Opening covered w/ duct tape

1200 - Break for lunch

1300 - Restart PDB deploy

See WL + PDB deploy log for more details

1730 - Finished PDB deployment, Locked up Wilson Corner gate + leave site.

NOTE: middle of PDB depth in MWs w/ 2.12 ft BLS screen:

MW0057S →	~~~8~~ 5 ft BLS
MW0064 →	~ 8 ft BLS
MW 0074 →	~ 8 ft BLS
MW0075 →	~ 8 ft BLS
MW0091 →	~ 8 ft BLS
MW0095 →	~ 8 ft BLS

Plans/Future Activities

NOTE: Following wells required significant effort to reach due to having to hand clear vegetation to well:
WLC-MW0120, WLC-MW0126, ~~BC~~ WLC-MW0095, ~~WLC-MW00~~
WLC-MW0097, WLC-NPSH-MW0019,

Ben Coppenger 11-24-15
Signature/Date

NASA forms

Table 1. 2015 Depth to Water Measurements
Wilson Corners, SWMU 001

Date Collected: 11-24-2015

Monitoring Well	Screened Interval (ft BLS)	Rationale	Depth to Water (ft BTOC)	Time
2 to 15 ft BLS				
NPSH-MW0027	10 to 15	Southwestern Downgradient Well	3.17	1420
MW0057S	2 to 12	Eastern Well	5.33	1623
MW0064	2 to 12	Northern Well	4.81	1448
MW0074	2 to 12	Southwestern Peripheral Well	4.70	1100
MW0075	2 to 12	Southeastern 5-year Well	4.69	1033
MW0091	2 to 12	Northwestern Peripheral Well	4.89	1017
MW0095	2 to 12	Western Peripheral Well	4.46	1400
15 to 25 ft BLS				
MW0087	15 to 25	Northwestern Peripheral Well	6.50	0935
MW0089	15 to 25	East 5-year Well	6.35	0954
MW0106	15 to 25	Eastern Well	6.75	1616
MW0109	15 to 25	Southwestern Downgradient Well	5.35	1325
MW0115	15 to 25	Southwestern Peripheral Well	5.36	1050
MW0116	15 to 25	Southern Downgradient Well	5.70	1111
MW0122	15 to 25	Southern Peripheral Well	4.96	1135
MW0125	15 to 25	Western Peripheral Well	5.34	1311
MW0126	15 to 25	Western Peripheral Well	6.29	1344
28 to 38 ft BLS				
NPSH-MW0015	29 to 34	South 5-year Well	3.10	1125
NPSH-MW0016	29 to 34	Northwestern Downgradient Well	4.72	1545
NPSH-MW0017	29 to 34	Western Downgradient Well	3.10	1447
NPSH-MW0019	29 to 34	Western Peripheral Well	4.09	1528
NPSH-MW0020	29 to 34	Southwestern Downgradient Well	5.19	1327
NPSH-MW0022	29 to 34	Southwestern Peripheral Well	3.62	1314
MW0057I	29 to 34	East 5-year Well	5.74	1624
MW0060I	29 to 34	South NADC 5-Year Well	6.34	~~1909~~ 1609
MW0062	29 to 34	North 5-Year Well	5.0	1715
MW0065	29 to 34	Northwest Downgradient Well	5.36	1449
MW0072	29 to 34	Southern Peripheral Well	3.94	1143
MW0080	29 to 34	Northwestern Downgradient Well	2.91	1500
MW0088	29 to 34	Northwestern Peripheral Well	6.54	0937
MW0090	29 to 34	Northern Peripheral Well	6.12	0958
MW0097	29 to 34	Western Peripheral Well	4.59	1402

Broken @ L.S. ←

Table 1. 2015 Depth to Water Measurements
Wilson Corners, SWMU 001

Date Collected: 11-24-2015

Monitoring Well	Screened Interval (ft BLS)	Rationale	Depth to Water (ft BTOC)	Time
38 to 48 ft BLS				
NPSH-MW0025	40 to 45	Western Downgradient Well	2.91	1425
NPSH-MW0039	40 to 45	Western Peripheral Well	2.90	1550
MW0057D	40 to 45	East 5-year Well	5.60	1622
MW0094	40 to 45	North 5-Year Well	5.48	1652
MW0118	40 to 45	Southern Downgradient Well	6.35	1039
MW0120	40 to 45	Southern Downgradient Well	6.57	1205
Greater than 48 ft BLS				
MW0078	65 to 70	Vertical Peripheral Well	6.45	1720
MW0083	71 to 76	Western Vertical Peripheral Well	6.60	1557
MW0086	66 to 71	Northern Vertical Peripheral Well	6.42	1650
MW0130	56 to 66	Low Flow Sample Beneath Clay Layer HS2	6.46 ~~NA~~	~~NA~~ 1738

Notes:

1. ft BLS indicates feet below land surface.
2. SWMU indicates solid waste management unit.

Geosyntec consultants

DAILY FIELD REPORT

Page 1 of 1

Project: Wilson Corner
Project No.: FR0743C/20
Contractors: N/A

Date: 12/15/15
Task No.: [illegible]

Work Performed

Well Installation:
Soil Borings:
DPT:
Well Inventory:
Other:

Sampling Soil:
Sampling SW/Sediment:
Sampling Monitor Wells: PDBs & 2 low flow
Sampling Hazardous Waste:
Sampling Drums:

Observations/Issues of Concern

0700 gather equipment & calibrate YSI & Turbidimeter
0830 On-site. Let Blaine (geosyntec) know I'll be on-site
Begin collecting PDBs. many PDBs only yielding 2 40mL vials, so COC will be updated to reflect samples sent to lab.
1140-1220 off-site for lunch. Begin preparations for MW130 sampling.
1240 Begin purge MW130.
1311 Collect low-flow sample MW-130; continue collecting PDB samples.
1430: Encounter 2 PDBs in MW25. Sampling bag w/ fishing line consistent w/ other PDB harnesses. Old well emptied down-well (sample informed w/ Emily).
1615. Check out w/ Blaine. Off-site.

See sampling table for PDB sample times

Plans/Future Activities

Sample remaining PDBs
schedule Tab pick-up

Signature/Date 12/15/15

NASA forms

Table 2. 2015 LTM
Wilson Corners, SWMU 001

Monitoring Well	Screened Interval (ft BLS)	Annual LTM	Deploy Date	Deploy Time	Sample Date	Sample Time
2 to 15 ft BLS						
NPSH-MW0027	10 to 15	VOCs 8260	11-24-15	1425	12/15/15	1421
MW0057S	2 to 12	VOCs 8260	11-24-15	1627	12/15/15	900
MW0064	2 to 12	VOCs 8260	11-24-15	1454	12/15/15	1016
MW0074	2 to 12	VOCs 8260	11-24-15	1106	12/16/15	935
MW0075	2 to 12	VOCs 8260	11-24-15	1036	12/16/15	1104
MW0091	2 to 12	VOCs 8260	11-24-15	1023	12/15/15	1054
MW0095	2 to 12	VOCs 8260	11-24-15	1410	12/15/15	1556
15 to 25 ft BLS						
MW0087	15 to 25	VOCs 8260	11-24-15	0944	12/15/15	1127
MW0089	15 to 25	VOCs 8260	11-24-15	1002	12/15/15	1109
MW0106	15 to 25	VOCs 8260	11-24-15	1630	12/15/15	840
MW0109	15 to 25	VOCs 8260	11-24-15	1331	12/15/15	1507
MW0115	15 to 25	VOCs 8260	11-24-15	1058	12/16/15	945
MW0116	15 to 25	VOCs 8260	11-24-15	1115	12/16/15	959
MW0122	15 to 25	VOCs 8260	11-24-15	1139	12/16/15	1032
MW0125	15 to 25	VOCs 8260	11-24-15	1314	12/15/15	1524
MW0126	15 to 25	VOCs 8260	11-24-15	1350	12/15/15	1544
28 to 38 ft BLS						
NPSH-MW0015	29 to 34	VOCs 8260	11-24-15	1130	12/16/15	1022
NPSH-MW0016	29 to 34	VOCs 8260	11-24-15	1547	12/15/15	1330
NPSH-MW0017	29 to 34	VOCs 8260	11-24-15	1440	12/15/15	1411
NPSH-MW0019	29 to 34	VOCs 8260	11/24/15	1535	12/15/15	1344
NPSH-MW0020	29 to 34	VOCs 8260	11-24-15	1333	12/15/15	1458
NPSH-MW0022	29 to 34	VOCs 8260	11-24-15	1316	12/15/15	1531
MW0057I	29 to 34	VOCs 8260	11-24-15	1642	12/15/15	850
MW0060I	29 to 34	VOCs 8260	11-24-15	1612	12/16/15	919
MW0062	29 to 34	VOCs 8260	11-24-15	1713	12/15/15	927
MW0065	29 to 34	VOCs 8260	11-24-15	1453	12/15/15	1006
MW0072	29 to 34	VOCs 8260	11-24-15	1146	~~12/15/15 1134~~	
MW0080	29 to 34	VOCs 8260	11-24-15	1504	12/15/15	1028
MW0088	29 to 34	VOCs 8260	11/24/15	0945	12/15/15	1134
MW0090	29 to 34	VOCs 8260	11-24-15	1008	12/15/15	1116
MW0097	29 to 34	VOCs 8260	11-24-15	1415	12/15/15	1603

Broken @ L.S.

MW0072 12/16/15 1042

Table 2. 2015 LTM
Wilson Corners, SWMU 001

Monitoring Well	Screened Interval (ft BLS)	Annual LTM	Deploy Date	Deploy Time	Sample Date	Sample Time
38 to 48 ft BLS						
NPSH-MW0025	40 to 45	VOCs 8260	11-24-15	1432	12/15/15	1437
NPSH-MW0039	40 to 45	VOCs 8260	11-24-15	1555	12/15/15	1401
MW0057D	40 to 45	VOCs 8260	11-24-15	1641	12/15/15	910
MW0094	40 to 45	VOCs 8260	11-24-15	1704	12/15/15	953
MW0118	40 to 45	VOCs 8260	11/24/15	1045	12/16/15	1053
MW0120	40 to 45	VOCs 8260	11-24-15	1215	12/16/15	1135
Greater than 48 ft BLS						
MW0078	65 to 70	VOCs 8260	11-24-15	1725	12/15/15	1258
MW0083	71 to 76	VOCs 8260	11-24-15	1607	12/16/15	855
MW0086	66 to 71	VOCs 8260	11-24-15	1700	12/15/15	942

Notes:

1. VOCs 8260 indicates volatile organic compound analysis by EPA Method 8260.
2. ft BLS indicates feet below land surface.
3. LTM indicates long term monitoring.
4. SWMU indicates solid waste management unit.

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: ~~City Chemical (FR2935G)~~ Wilson Corners	SITE LOCATION: ~~6500 University Blvd., Winter Park, FL 32792~~ KSC, FL
WELL NO: MW-130 MW0130	SAMPLE ID: ~~MW-130~~ WILC-MW0130-061.0-201512115
	DATE: ~~11/30/15~~ 12/15/15

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: 56 feet to 66 feet	STATIC DEPTH TO WATER (feet): 6.01	PURGE PUMP TYPE OR BAILER: APP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME 0.406
(only fill out if applicable)
= 0 gallons + (0.0026 gallons/foot X 60 feet) + 0.25 gallons = ~~0.406~~ gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 60	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 60	PURGING INITIATED AT: 1240	PURGING ENDED AT: 1309	TOTAL VOLUME PURGED (gallons): 2.9

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ORP ~~ODOR~~ (describe) mV
1240	0	0	0.1	6.01	7.59	26.27	6,808	6.15	116	slightly cloudy	-8.7
1250	1.0	1.0	0.1	6.70	6.99	25.88	8,546	0.36	98.7	" "	-8.0
1252	0.2	1.2	6.70 ~~6.96~~	6.96	25.98	8,556	0.30	76.1	" "	-7.0
1255	0.3	1.5		6.71	6.96	25.90	8,568	0.23	61.4	" "	-6.4
1258	0.3	1.8	6.73	~~6.94~~ → 6.94		25.83	8,553	0.21	45.3	" "	-13.6
1303	0.5	2.3		6.74	6.94	25.78	8,551	0.20	38.0	clear	-17.9
1305	0.2	2.5		6.74	6.94	25.75	8,541	0.19	31.5	" "	-18.0
1307	0.2	2.7		6.75	6.93	25.75	8,532	0.18	29.0	" "	-17.4
1309	0.2	2.9		6.75	6.93	25.74	8,534	0.16	27.2		-14.9

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Alex Warzinski Geosyntec	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1310	SAMPLING ENDED AT: 1311
PUMP OR TUBING DEPTH IN WELL (feet): 60	TUBING MATERIAL CODE: HDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-130	3	CG	40 mL	HCL	N/A	N/A	VOC (8260B)	APP	100

REMARKS: Optional ± 5 NTU Turbidity criterion

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Geosyntec consultants

Water Quality Instrument Calibration Form

Project/Site: Wilson Corners Project #: FR Field Personnel: A. Cunningham

Water Quality Meter - Model/Serial#: Turbidimeter - Model/Serial#: HACH 2100Q 150600CD415 92

Dissolved Oxygen (FDEP SOP FT 1500)	Date	Time	Temp (°C)	Saturation (mg/L)*	Reading (mg/L)	Reading (%)	Pass or Fail
					Acceptance Criteria:+/-0.3 mg/L		
(CAL ICV) CCV	12/15/15	730	20.38	9.021	9.01	99.5	(P) F
CAL ICV (CCV)	↓	1202	23.24	8.456	8.18	95.0	(P) F
CAL ICV CCV							P F
CAL ICV CCV							P F

Specific Conductance (FDEP SOP FT 1200)	Date	Time	Standard Lot #	Standard Exp. Date	Standard (mS/cm)	Reading (mS/cm)	Pass or Fail
Specific Conductance Probe Cleaned? Yes (No)					Acceptance Criteria: +/- 5%		
(CAL ICV) CCV	12/15/15	749	115911	4/14/16	1.413	1.413	(P) F
CAL ICV (CCV)	↓	1705	↓	↓	same	1.480	(P) F
CAL ICV CCV							P F
CAL ICV CCV							P F

pH (FDEP SOP FT 1100)	Date	Time	Standard Lot #	Standard Exp. Date	Standard (SU)	Reading (SU)	Pass or Fail
					Acceptance Criteria: +/- 0.2 SU		
(CAL ICV) CCV	12/15/15	740	2405440	4/2016	7.0	7.00	(P) F
CAL ICV CCV		742	2405440	5/31/16	4.0	3.95	(P) F
CAL ICV CCV		744	2405440	5/31/16	10.0	9.85	(P) F
CAL ICV CCV		1702	2412389			7.18	(P) F
CAL ICV CCV		1704	same	same	same	3.89	(P) F
CAL ICV CCV	↓	1706	↓	↓	↓	9.81	(P) F

ORP (FDEP SOP N/A)	Date	Time	Standard Lot #	Standard Exp. Date	Standard (mV @ Temp °C)	Reading (mV)	Pass or Fail
Dissolved Oxygen Membrane Changed? Yes (No)					Geosyntec Acceptance Criteria: +/- 5%		
(CAL ICV) CCV	12/15/15	746	8032	09/2019	240 @ 20°C	240.1	(P) F
CAL ICV (CCV)	same	1710	↓	↓	↓	238.5	(P) F
CAL ICV CCV							P F
CAL ICV CCV							P F

Turbidity 0.1-10 NTU	Date	Standard (NTU)	Reading (NTU)	Pass or Fail
		Acceptance Criteria: +/- 10%		
(CAL ICV) CCV	12/15/15	10	9.67	(P) F
CAL ICV (CCV)	same	same	10.2	(P) F
CAL ICV CCV				P F
CAL ICV CCV				P F

Turbidity 11-40 NTU	Date	Standard (NTU)	Reading (NTU)	Pass or Fail
		Acceptance Criteria: +/- 8%		
(CAL ICV) CCV	12/15/15	20	20.0	(P) F
CAL ICV (CCV)	same	same	21.3	(P) F
CAL ICV CCV				P F
CAL ICV CCV				P F

Turbidity 41-100 NTU	Date	Standard (NTU)	Reading (NTU)	Pass or Fail
		Acceptance Criteria: +/- 6.5%		
(CAL ICV) CCV	12/15/15	100	103	(P) F
CAL ICV (CCV)	same	same	98.7	(P) F
CAL ICV CCV				P F
CAL ICV CCV				P F
CAL ICV CCV				P F
CAL ICV CCV				P F

Turbidity >100 NTU	Date	Standard (NTU)	Reading (NTU)	Pass or Fail
		Acceptance Criteria: +/- 5%		
(CAL ICV) CCV	12/15/15	800	809	(P) F
CAL ICV (CCV)	same	same	791	(P) F
CAL ICV CCV				P F
CAL ICV CCV				P F

All pass CCV

Notes:

CAL = Initial Calibration
ICV = Initial Calibration Verification
CCV = Continuing Calibration Verification
* See Table FS 2200-2 on the back of this form

Allow adequate time for the dissolved oxygen sensor to equilibrate during air calibration
Calibrate specific conductance using at least two standards that bracket the range of expected sample readings (unless readings <0.1 mS/cm is acceptable)
Calibrate pH using at least two standards (typ. pH 4 and 7) that bracket the range of expected sample readings; always start with pH 7; add a third calibration point if neede
If parameter fails to calibrate within SOP acceptance criteria then append sample results with a "J" qualifier

Geosyntec consultants

DAILY FIELD REPORT

Page 1 of 1

Project: Wilson's Corner
Project No.: FR0743C/20
Contractors:

Date: 12/16/15
Task No.: ok

Work Performed

Well Installation:
Soil Borings:
DPT:
Well Inventory:
Other:

Sampling Soil:
Sampling SW/Sediment:
Sampling Monitor Wells: ~~PDB~~ MW PDBs
Sampling Hazardous Waste:
Sampling Drums:

Observations/Issues of Concern

0800 At Titusville office. Prep for field work
0835 On-site. Check-in w/ Blaine. Begin prep for PDB sampling
0900 Romeo (Nasa H&S) on-site to check-in. 0910 Romeo off-site.
1015 Contact Emily Lawson about temporary covering of broken well MW0015 (using duct tape & cardboard)
1145 All samples collected; check-out w/ Blaine grab lunch, then head back to office.

AW

Plans/Future Activities

Decon PDB weights
Sample pickup 12/17/15

AW

Signature/Date 12/16/15

j:\admnshare\rem-form\DAILY

APPENDIX C

LABORATORY ANALYTICAL REPORTS
(FURNISHED ON CD ONLY)

January 30, 2016 Service Request No:J1510030

Emily Lawson
Geosyntec Consultants
6770 South Washington Ave
Suite 3
Titusville, FL 32780

Laboratory Results for: Wilson Corners

Dear Emily,

Enclosed are the results of the sample(s) submitted to our laboratory December 18, 2015
For your reference, these analyses have been assigned our service request number **J1510030.**

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAP standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and ALS Environmental is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report. In accordance to the NELAC 2003 Standard, a statement on the estimated uncertainty of measurement of any quantitative analysis will be supplied upon request.

Please contact me if you have any questions. My extension is 4409. You may also contact me via email at mike.kimmel@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Mike Kimmel
Project Manager

ADDRESS 9143 Philips Highway, Suite 200, Jacksonville, FL 32256
PHONE +1 904 739 2277 | FAX +1 904 739 2011
ALS Group USA, Corp.
dba ALS Environmental

SAMPLE DETECTION SUMMARY

CLIENT ID: WILC-NPSH-MW0027-012.5-20151215	Lab ID: J1510030-001					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
cis-1,2-Dichloroethene	62		3.6	10	ug/L	8260B
Methylene Chloride	4.4	I	2.1	50	ug/L	8260B
trans-1,2-Dichloroethene	2.9	I	1.9	10	ug/L	8260B
Vinyl Chloride	810		3.6	10	ug/L	8260B

CLIENT ID: WILC-MW0057S-008.0-20151215	Lab ID: J1510030-002					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
cis-1,2-Dichloroethene	1.2	V	0.36	1.0	ug/L	8260B

CLIENT ID: WILC-MW0064-008.0-20151215	Lab ID: J1510030-003					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
cis-1,2-Dichloroethene	64		0.36	1.0	ug/L	8260B
trans-1,2-Dichloroethene	2.4		0.19	1.0	ug/L	8260B
Trichloroethene (TCE)	0.96	I	0.36	1.0	ug/L	8260B
Vinyl Chloride	37		0.36	1.0	ug/L	8260B

CLIENT ID: WILC-MW0074-008.0-20151216	Lab ID: J1510030-004					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
cis-1,2-Dichloroethene	0.97	IV	0.36	1.0	ug/L	8260B

CLIENT ID: WILC-MW0075-008.0-20151216	Lab ID: J1510030-005					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
1,2-Dichloroethane	0.22	I	0.22	1.0	ug/L	8260B
cis-1,2-Dichloroethene	0.88	IV	0.36	1.0	ug/L	8260B

CLIENT ID: WILC-MW0091-008.0-20151215	Lab ID: J1510030-006					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
1,2-Dichloroethane	0.22	I	0.22	1.0	ug/L	8260B
cis-1,2-Dichloroethene	0.81	IV	0.36	1.0	ug/L	8260B

CLIENT ID: WILC-MW0095-008.0-20151215	Lab ID: J1510030-007					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
cis-1,2-Dichloroethene	1.1	V	0.36	1.0	ug/L	8260B
Vinyl Chloride	1.7		0.36	1.0	ug/L	8260B

CLIENT ID: WILC-MW0087-020.0-20151215	Lab ID: J1510030-008					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
1,2-Dichloroethane	0.25	IV	0.22	1.0	ug/L	8260B

CLIENT ID: WILC-MW0089-020.0-20151215	Lab ID: J1510030-009					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
cis-1,2-Dichloroethene	1.6		0.36	1.0	ug/L	8260B
Vinyl Chloride	0.99	I	0.36	1.0	ug/L	8260B

SAMPLE DETECTION SUMMARY

CLIENT ID: WILC-MW0106-020.0-20151215	Lab ID: J1510030-010					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
cis-1,2-Dichloroethene	0.98	I	0.36	1.0	ug/L	8260B
Methylene Chloride	0.40	I	0.21	5.0	ug/L	8260B
Vinyl Chloride	0.40	I	0.36	1.0	ug/L	8260B

CLIENT ID: WILC-MW0109-020.0-20151215	Lab ID: J1510030-011					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
1,2-Dichloroethane	0.26	IV	0.22	1.0	ug/L	8260B
cis-1,2-Dichloroethene	2.5		0.36	1.0	ug/L	8260B
Dichlorodifluoromethane	1.3	I	0.23	20	ug/L	8260B
trans-1,2-Dichloroethene	1.6		0.19	1.0	ug/L	8260B
Vinyl Chloride	11		0.36	1.0	ug/L	8260B

CLIENT ID: WILC-MW0115-020.0-20151216	Lab ID: J1510030-012					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
1,2-Dichloroethane	0.25	IV	0.22	1.0	ug/L	8260B

CLIENT ID: WILC-MW0116-020.0-20151216	Lab ID: J1510030-013					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
1,2-Dichloroethane	0.28	IV	0.22	1.0	ug/L	8260B
cis-1,2-Dichloroethene	31		0.36	1.0	ug/L	8260B
trans-1,2-Dichloroethene	2.4		0.19	1.0	ug/L	8260B
Trichloroethene (TCE)	0.43	I	0.36	1.0	ug/L	8260B
Vinyl Chloride	140		0.36	1.0	ug/L	8260B

CLIENT ID: WILC-MW0122-020.0-20151216	Lab ID: J1510030-014					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
Vinyl Chloride	0.37	I	0.36	1.0	ug/L	8260B

CLIENT ID: WILC-MW0125-020.0-20151215	Lab ID: J1510030-015					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
1,2-Dichloroethane	0.25	IV	0.22	1.0	ug/L	8260B
Vinyl Chloride	0.54	I	0.36	1.0	ug/L	8260B

CLIENT ID: WILC-MW0126-020.0-20151215	Lab ID: J1510030-016					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
1,2-Dichloroethane	0.24	IV	0.22	1.0	ug/L	8260B

CLIENT ID: WILC-NPSH-MW0015-031.5-20151216	Lab ID: J1510030-017					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
cis-1,2-Dichloroethene	2.5	V	0.36	1.0	ug/L	8260B
trans-1,2-Dichloroethene	1.1		0.19	1.0	ug/L	8260B
Vinyl Chloride	3.6		0.36	1.0	ug/L	8260B

SAMPLE DETECTION SUMMARY

CLIENT ID: WILC-NPSH-MW0016-031.5-20151215 **Lab ID: J1510030-018**

Analyte	Results	Flag	MDL	PQL	Units	Method
cis-1,2-Dichloroethene	98		3.6	10	ug/L	8260B
Methylene Chloride	4.2	I	2.1	50	ug/L	8260B
trans-1,2-Dichloroethene	5.7	I	1.9	10	ug/L	8260B
Vinyl Chloride	800		3.6	10	ug/L	8260B

CLIENT ID: WILC-NPSH-MW0017-031.5-20151215 **Lab ID: J1510030-019**

Analyte	Results	Flag	MDL	PQL	Units	Method
1,2-Dichloroethane	12	I	11	50	ug/L	8260B
cis-1,2-Dichloroethene	320		18	50	ug/L	8260B
Methylene Chloride	63	I	11	250	ug/L	8260B
trans-1,2-Dichloroethene	15	I	9.5	50	ug/L	8260B
Vinyl Chloride	4000		18	50	ug/L	8260B

CLIENT ID: WILC-NPSH-MW0019-031.5-20151215 **Lab ID: J1510030-020**

Analyte	Results	Flag	MDL	PQL	Units	Method
1,2-Dichloroethane	0.26	IV	0.22	1.0	ug/L	8260B
trans-1,2-Dichloroethene	0.66	I	0.19	1.0	ug/L	8260B
Vinyl Chloride	0.96	I	0.36	1.0	ug/L	8260B

CLIENT ID: WILC-NPSH-MW0020-031.5-20151215 **Lab ID: J1510030-021**

Analyte	Results	Flag	MDL	PQL	Units	Method
1,2-Dichloroethane	0.26	IV	0.22	1.0	ug/L	8260B
cis-1,2-Dichloroethene	2.1		0.36	1.0	ug/L	8260B
trans-1,2-Dichloroethene	2.0		0.19	1.0	ug/L	8260B
Vinyl Chloride	7.6		0.36	1.0	ug/L	8260B

CLIENT ID: WILC-NPSH-MW0022-031.5-20151215 **Lab ID: J1510030-022**

Analyte	Results	Flag	MDL	PQL	Units	Method
1,2-Dichloroethane	0.26	IV	0.22	1.0	ug/L	8260B

CLIENT ID: WILC-MW0057I-031.5-20151215 **Lab ID: J1510030-023**

Analyte	Results	Flag	MDL	PQL	Units	Method
cis-1,2-Dichloroethene	0.55	IV	0.36	1.0	ug/L	8260B

CLIENT ID: WILC-MW0060I-031.5-20151216 **Lab ID: J1510030-024**

Analyte	Results	Flag	MDL	PQL	Units	Method
1,2-Dichloroethane	12	I	11	50	ug/L	8260B
cis-1,2-Dichloroethene	130		18	50	ug/L	8260B
Methylene Chloride	34	I	11	250	ug/L	8260B
Vinyl Chloride	1100		18	50	ug/L	8260B

CLIENT ID: WILC-MW0062-031.5-20151215 **Lab ID: J1510030-025**

Analyte	Results	Flag	MDL	PQL	Units	Method
1,1-Dichloroethene (1,1-DCE)	14	I	8.0	50	ug/L	8260B
cis-1,2-Dichloroethene	22000		36	100	ug/L	8260B

SAMPLE DETECTION SUMMARY

CLIENT ID: WILC-MW0062-031.5-20151215	Lab ID: J1510030-025					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
Methylene Chloride	33	I	11	250	ug/L	8260B
trans-1,2-Dichloroethene	23	I	9.5	50	ug/L	8260B
Trichloroethene (TCE)	1300		18	50	ug/L	8260B
Vinyl Chloride	2000		18	50	ug/L	8260B

CLIENT ID: WILC-MW0065-031.5-20151215	Lab ID: J1510030-026					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
trans-1,2-Dichloroethene	10		0.19	1.0	ug/L	8260B
Vinyl Chloride	520		9.0	25	ug/L	8260B

CLIENT ID: WILC-MW0072-031.5-20151216	Lab ID: J1510030-027					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
1,2-Dichloroethane	0.23	IV	0.22	1.0	ug/L	8260B

CLIENT ID: WILC-MW0080-031.5-20151215	Lab ID: J1510030-028					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
1,2-Dichloroethane	1.3	IV	1.1	5.0	ug/L	8260B
cis-1,2-Dichloroethene	130		1.8	5.0	ug/L	8260B
Methylene Chloride	5.3	I	1.1	25	ug/L	8260B
trans-1,2-Dichloroethene	18		0.95	5.0	ug/L	8260B
Vinyl Chloride	1500		1.8	5.0	ug/L	8260B

CLIENT ID: WILC-MW0088-031.5-20151215	Lab ID: J1510030-029					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
1,2-Dichloroethane	0.32	IV	0.22	1.0	ug/L	8260B
cis-1,2-Dichloroethene	0.44	I	0.36	1.0	ug/L	8260B
Vinyl Chloride	3.8		0.36	1.0	ug/L	8260B

CLIENT ID: WILC-MW0090-031.5-20151215	Lab ID: J1510030-030					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
1,2-Dichloroethane	0.26	IV	0.22	1.0	ug/L	8260B
cis-1,2-Dichloroethene	6.2		0.36	1.0	ug/L	8260B
trans-1,2-Dichloroethene	1.0		0.19	1.0	ug/L	8260B
Vinyl Chloride	34		0.36	1.0	ug/L	8260B

CLIENT ID: WILC-MW0097-031.5-20151215	Lab ID: J1510030-031					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
1,2-Dichloroethane	0.25	IV	0.22	1.0	ug/L	8260B
cis-1,2-Dichloroethene	0.52	I	0.36	1.0	ug/L	8260B
trans-1,2-Dichloroethene	0.68	I	0.19	1.0	ug/L	8260B
Vinyl Chloride	1.8		0.36	1.0	ug/L	8260B

CLIENT ID: WILC-NPSH-MW0025-042.5-20151215	Lab ID: J1510030-032					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
1,2-Dichloroethane	0.24	IV	0.22	1.0	ug/L	8260B

SAMPLE DETECTION SUMMARY

CLIENT ID: WILC-NPSH-MW0025-042.5-20151215	Lab ID: J1510030-032					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
Vinyl Chloride	1.1		0.36	1.0	ug/L	8260B

CLIENT ID: WILC-NPSH-MW0039-042.5-20151215	Lab ID: J1510030-033					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
cis-1,2-Dichloroethene	0.80	I	0.36	1.0	ug/L	8260B
trans-1,2-Dichloroethene	1.1		0.19	1.0	ug/L	8260B
Vinyl Chloride	15		0.36	1.0	ug/L	8260B

CLIENT ID: WILC-MW0057D-042.5-20151215	Lab ID: J1510030-034					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
cis-1,2-Dichloroethene	0.58	IV	0.36	1.0	ug/L	8260B

CLIENT ID: WILC-MW0094-042.5-20151215	Lab ID: J1510030-035					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
cis-1,2-Dichloroethene	0.50	IV	0.36	1.0	ug/L	8260B

CLIENT ID: WILC-MW0118-042.5-20151216	Lab ID: J1510030-036					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
1,2-Dichloroethane	0.25	IV	0.22	1.0	ug/L	8260B
cis-1,2-Dichloroethene	0.48	I	0.36	1.0	ug/L	8260B
Vinyl Chloride	2.4		0.36	1.0	ug/L	8260B

CLIENT ID: WILC-MW0120-042.5-20151216	Lab ID: J1510030-037					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
1,2-Dichloroethane	0.27	IV	0.22	1.0	ug/L	8260B

CLIENT ID: WILC-MW0078-067.5-20151215	Lab ID: J1510030-038					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
cis-1,2-Dichloroethene	1100		9.0	25	ug/L	8260B
Methylene Chloride	33	I	5.3	130	ug/L	8260B
Vinyl Chloride	82		9.0	25	ug/L	8260B

CLIENT ID: WILC-MW0130-061.0-20151215	Lab ID: J1510030-041					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
1,1-Dichloroethene (1,1-DCE)	2.1	I	0.80	5.0	ug/L	8260B
cis-1,2-Dichloroethene	780		1.8	5.0	ug/L	8260B
Methylene Chloride	3.6	I	1.1	25	ug/L	8260B
Trichloroethene (TCE)	8.4		1.8	5.0	ug/L	8260B
Vinyl Chloride	180		1.8	5.0	ug/L	8260B

CLIENT ID: TRIP BLANK	Lab ID: J1510030-042					
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**
1,2-Dichloroethane	0.23	IV	0.22	1.0	ug/L	8260B
Methylene Chloride	0.40	I	0.21	5.0	ug/L	8260B

Client: GeoSyntec Consultants
Project: Wilson Corners/FR0743C-20
Sample Matrix: Water

Service Request:J1510030
Date Received:12/18/15

CASE NARRATIVE

ALS Environmental

Client: GeoSyntec Consultants Service Request No.: J1510030

Project: Wilson Corners Date Received: 12/18/15

Sample Matrix: Water

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples designated for Tier II data deliverables, including results of QC samples analyzed from this delivery group. When appropriate to the procedure, method blank results have been reported with each analytical test. Analytical procedures performed by the lab are validated in accordance with NELAC standards. Parameters that are included in the NELAC Fields of Testing but are not included in the lab's NELAC accreditation are identified in the discussion of each analytical procedure.

Sample Receipt

Forty One water samples were received for analysis at ALS Environmental on 12/18/15. The samples were received in good condition and consistent with the accompanying chain of custody form. Samples are refrigerated at ≤6°C upon receipt at the lab except for aqueous samples designated for metals analyses, which are stored at room temperature.

Volatile Organic Analyses:

Method Blank JQ1510036-05 contained a low level of c-1,2-dichloroethene above the Method Detection Limit (MDL), but less than the Method Reporting Limit (MRL). Samples exhibiting the analyte in approximately the same concentration as the method blank are flagged with a qualifier to indicate the results are estimated values. The method blank results may indicate the potential for a false positive.

Method 8260: The upper control criterion was exceeded for one or more analytes in the duplicate Laboratory Control Sample (DLCS). The analyte(s) in question are flagged on QC report and not detected in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.

Surrogates: Some samples were flagged with Surrogate recoveries outside Laboratory Control limits (4-Bromofluorobenzene and Dibromofluromethane) All are within method control limits. No further action is taken.

Approved by _____ Date 1/30/2016

State Certifications, Accreditations, and Licenses

Agency	Number	Expire Date
Department of Defense	66206	9/20/2016
Florida Department of Health	E82502	6/30/2016
Georgia Department of Natural Resources	958	6/30/2016
Kentucky Division of Waste Management	63	6/30/2016
Louisiana Department of Environmental Quality	02086	6/30/2016
Maine Department of Health and Human Services	2015002	2/3/2017
North Carolina Department of Environment and Natural Resources	527	12/31/2016
Pennsylvania Department of Environmental Protection	68-04835	8/31/2016
South Carolina Department of Health and Environmental Control	96021001	6/30/2016
Texas Commision on Environmental Quality	T104704197-15-7	5/31/2016
Virginia Environmental Accreditation Program	460191	12/14/2016

Data Qualifiers

Florida-DEP

!	Data deviates from historically established concentration ranges
*	Not reported due to interference
?	Data is rejected and should not be used
A	Value reported is the arithmetic mean of two or more determininations
B	Results based upon colony counts outside the acceptable range.
D	Measurement was made in the field.
E	Extra samples were taken at composite stations
H	Value based on field kit determination; results may not be accurate.
I	The reported value is between the laboratory method detection limit and the laboratory PQL.
J	Estimated value.
K	Off scale low. The value is less than the lowest calibration standard.
L	Off scale high. The analyte is above the acceptable level of quantitation.
M	The MDL/MRL has been elevated because the analyte could not be accurately quantified.
N	Presumptive evidence of presence of material.
O	Sampled, but analysis lost or not performed
Q	Sample held beyond the acceptable holding time.
R	Significant rain in the past 48 hours (typically in excess of 0.5 inches)
T	Estimated value, less than the MDL
U	Indicates that the compound was analyzed for but not detected.
V	Indicates that the analyte was detected in both the sample and the associated method blank.
X	Insufficient individuals were present in the sample to achieve a minimum of 280 organisms for identification (Stream Condition Index Analysis only)
Y	The laboratory analysis was from an unpreserved or improperly preserved sample.
Z	Too many colonies were present, the numeric value represents the filtration volume

ALS Laboratory Group

Acronyms

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

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
J1510030-001	WILC-NPSH-MW0027-012.5-20151215	12/15/2015	1421
J1510030-002	WILC-MW0057S-008.0-20151215	12/15/2015	0900
J1510030-003	WILC-MW0064-008.0-20151215	12/15/2015	1016
J1510030-004	WILC-MW0074-008.0-20151216	12/16/2015	0935
J1510030-005	WILC-MW0075-008.0-20151216	12/16/2015	1104
J1510030-006	WILC-MW0091-008.0-20151215	12/15/2015	1054
J1510030-007	WILC-MW0095-008.0-20151215	12/15/2015	1556
J1510030-008	WILC-MW0087-020.0-20151215	12/15/2015	1127
J1510030-009	WILC-MW0089-020.0-20151215	12/15/2015	1107
J1510030-010	WILC-MW0106-020.0-20151215	12/15/2015	0840
J1510030-011	WILC-MW0109-020.0-20151215	12/15/2015	1507
J1510030-012	WILC-MW0115-020.0-20151216	12/16/2015	0945
J1510030-013	WILC-MW0116-020.0-20151216	12/16/2015	0959
J1510030-014	WILC-MW0122-020.0-20151216	12/16/2015	1032
J1510030-015	WILC-MW0125-020.0-20151215	12/15/2015	1524
J1510030-016	WILC-MW0126-020.0-20151215	12/15/2015	1544
J1510030-017	WILC-NPSH-MW0015-031.5-20151216	12/16/2015	1022
J1510030-018	WILC-NPSH-MW0016-031.5-20151215	12/15/2015	1330
J1510030-019	WILC-NPSH-MW0017-031.5-20151215	12/15/2015	1411
J1510030-020	WILC-NPSH-MW0019-031.5-20151215	12/15/2015	1344
J1510030-021	WILC-NPSH-MW0020-031.5-20151215	12/15/2015	1458
J1510030-022	WILC-NPSH-MW0022-031.5-20151215	12/15/2015	1531
J1510030-023	WILC-MW0057I-031.5-20151215	12/15/2015	0850
J1510030-024	WILC-MW0060I-031.5-20151216	12/16/2015	0919
J1510030-025	WILC-MW0062-031.5-20151215	12/15/2015	0927
J1510030-026	WILC-MW0065-031.5-20151215	12/15/2015	1006
J1510030-027	WILC-MW0072-031.5-20151216	12/16/2015	1042
J1510030-028	WILC-MW0080-031.5-20151215	12/15/2015	1028
J1510030-029	WILC-MW0088-031.5-20151215	12/15/2015	1134
J1510030-030	WILC-MW0090-031.5-20151215	12/15/2015	1116
J1510030-031	WILC-MW0097-031.5-20151215	12/15/2015	1603
J1510030-032	WILC-NPSH-MW0025-042.5-20151215	12/15/2015	1437
J1510030-033	WILC-NPSH-MW0039-042.5-20151215	12/15/2015	1401
J1510030-034	WILC-MW0057D-042.5-20151215	12/15/2015	0910
J1510030-035	WILC-MW0094-042.5-20151215	12/15/2015	0953
J1510030-036	WILC-MW0118-042.5-20151216	12/16/2015	1053
J1510030-037	WILC-MW0120-042.5-20151216	12/16/2015	1135
J1510030-038	WILC-MW0078-067.5-20151215	12/15/2015	1258
J1510030-039	WILC-MW0083-073.5-20151216	12/16/2015	0855
J1510030-040	WILC-MW0086-068.5-20151215	12/15/2015	0942
J1510030-041	WILC-MW0130-061.0-20151215	12/15/2015	1310
J1510030-042	TRIP BLANK	12/15/2015	0000

Client:	GeoSyntec Consultants	**Service Request:**	J1510030
Project:	Wilson Corners/FR0743C-20	**Date Collected:**	12/15/15 14:21
Sample Matrix:	Water	**Date Received:**	12/18/15 08:25
Sample Name:	WILC-NPSH-MW0027-012.5-20151215	**Units:**	ug/L
Lab Code:	J1510030-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.8 U	10	1.8	10	12/28/15 13:19	
1,1,2,2-Tetrachloroethane	2.9 U	10	2.9	10	12/28/15 13:19	
1,1,2-Trichloroethane	4.0 U	10	4.0	10	12/28/15 13:19	
1,1-Dichloroethane (1,1-DCA)	3.0 U	10	3.0	10	12/28/15 13:19	
1,1-Dichloroethene (1,1-DCE)	1.6 U	10	1.6	10	12/28/15 13:19	
1,2-Dichlorobenzene	4.8 U	10	4.8	10	12/28/15 13:19	
1,2-Dichloroethane	2.2 U	10	2.2	10	12/28/15 13:19	
1,2-Dichloropropane	1.9 U	10	1.9	10	12/28/15 13:19	
1,3-Dichlorobenzene	2.2 U	10	2.2	10	12/28/15 13:19	
1,4-Dichlorobenzene	1.6 U	10	1.6	10	12/28/15 13:19	
Bromochloromethane	2.7 U	50	2.7	10	12/28/15 13:19	
Bromodichloromethane	2.2 U	10	2.2	10	12/28/15 13:19	
Bromoform	4.2 U	20	4.2	10	12/28/15 13:19	
Bromomethane	2.4 U	50	2.4	10	12/28/15 13:19	
Carbon Tetrachloride	3.5 U	10	3.5	10	12/28/15 13:19	
Chlorobenzene	1.6 U	10	1.6	10	12/28/15 13:19	
Chloroethane	5.2 U	50	5.2	10	12/28/15 13:19	
Chloroform	3.5 U	10	3.5	10	12/28/15 13:19	
Chloromethane	3.6 U	10	3.6	10	12/28/15 13:19	
cis-1,2-Dichloroethene	**62**	10	3.6	10	12/28/15 13:19	
cis-1,3-Dichloropropene	2.0 U	10	2.0	10	12/28/15 13:19	
Dibromochloromethane	2.1 U	10	2.1	10	12/28/15 13:19	
Dichlorodifluoromethane	2.4 U	200	2.4	10	12/28/15 13:19	
Methylene Chloride	**4.4 I**	50	2.1	10	12/28/15 13:19	
Tetrachloroethene (PCE)	2.2 U	10	2.2	10	12/28/15 13:19	
trans-1,2-Dichloroethene	**2.9 I**	10	1.9	10	12/28/15 13:19	
trans-1,3-Dichloropropene	2.4 U	10	2.4	10	12/28/15 13:19	
Trichloroethene (TCE)	3.6 U	10	3.6	10	12/28/15 13:19	
Trichlorofluoromethane	2.4 U	200	2.4	10	12/28/15 13:19	
Vinyl Chloride	**810**	10	3.6	10	12/28/15 13:19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	116	72 - 121	12/28/15 13:19	
4-Bromofluorobenzene	83	86 - 113	12/28/15 13:19	*
Dibromofluoromethane	113	86 - 112	12/28/15 13:19	*
Toluene-d8	102	88 - 115	12/28/15 13:19	

Client:	GeoSyntec Consultants	**Service Request:**	J1510030
Project:	Wilson Corners/FR0743C-20	**Date Collected:**	12/15/15 09:00
Sample Matrix:	Water	**Date Received:**	12/18/15 08:25
Sample Name:	WILC-MW0057S-008.0-20151215	**Units:**	ug/L
Lab Code:	J1510030-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	12/23/15 03:30	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	12/23/15 03:30	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	12/23/15 03:30	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	12/23/15 03:30	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	12/23/15 03:30	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	12/23/15 03:30	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	12/23/15 03:30	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	12/23/15 03:30	
1,3-Dichlorobenzene	0.22 U	1.0	0.22	1	12/23/15 03:30	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	12/23/15 03:30	
Bromochloromethane	0.27 U	5.0	0.27	1	12/23/15 03:30	
Bromodichloromethane	0.22 U	1.0	0.22	1	12/23/15 03:30	
Bromoform	0.42 U	2.0	0.42	1	12/23/15 03:30	
Bromomethane	0.23 U	5.0	0.23	1	12/23/15 03:30	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	12/23/15 03:30	
Chlorobenzene	0.16 U	1.0	0.16	1	12/23/15 03:30	
Chloroethane	0.52 U	5.0	0.52	1	12/23/15 03:30	*
Chloroform	0.35 U	1.0	0.35	1	12/23/15 03:30	
Chloromethane	0.36 U	1.0	0.36	1	12/23/15 03:30	
cis-1,2-Dichloroethene	**1.2 V**	1.0	0.36	1	12/23/15 03:30	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	12/23/15 03:30	
Dibromochloromethane	0.21 U	1.0	0.21	1	12/23/15 03:30	
Dichlorodifluoromethane	0.23 U	20	0.23	1	12/23/15 03:30	
Methylene Chloride	0.21 U	5.0	0.21	1	12/23/15 03:30	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	12/23/15 03:30	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	12/23/15 03:30	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	12/23/15 03:30	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	12/23/15 03:30	
Trichlorofluoromethane	0.24 U	20	0.24	1	12/23/15 03:30	*
Vinyl Chloride	0.36 U	1.0	0.36	1	12/23/15 03:30	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	118	72 - 121	12/23/15 03:30	
4-Bromofluorobenzene	84	86 - 113	12/23/15 03:30	*
Dibromofluoromethane	113	86 - 112	12/23/15 03:30	*
Toluene-d8	102	88 - 115	12/23/15 03:30	

Client:	GeoSyntec Consultants	**Service Request:**	J1510030
Project:	Wilson Corners/FR0743C-20	**Date Collected:**	12/15/15 10:16
Sample Matrix:	Water	**Date Received:**	12/18/15 08:25
Sample Name:	WILC-MW0064-008.0-20151215	**Units:**	ug/L
Lab Code:	J1510030-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result		PQL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.17	U	1.0	0.17	1	12/23/15 03:53	
1,1,2,2-Tetrachloroethane	0.29	U	1.0	0.29	1	12/23/15 03:53	
1,1,2-Trichloroethane	0.40	U	1.0	0.40	1	12/23/15 03:53	
1,1-Dichloroethane (1,1-DCA)	0.30	U	1.0	0.30	1	12/23/15 03:53	
1,1-Dichloroethene (1,1-DCE)	0.16	U	1.0	0.16	1	12/23/15 03:53	
1,2-Dichlorobenzene	0.48	U	1.0	0.48	1	12/23/15 03:53	
1,2-Dichloroethane	0.22	U	1.0	0.22	1	12/23/15 03:53	
1,2-Dichloropropane	0.19	U	1.0	0.19	1	12/23/15 03:53	
1,3-Dichlorobenzene	0.22	U	1.0	0.22	1	12/23/15 03:53	
1,4-Dichlorobenzene	0.16	U	1.0	0.16	1	12/23/15 03:53	
Bromochloromethane	0.27	U	5.0	0.27	1	12/23/15 03:53	
Bromodichloromethane	0.22	U	1.0	0.22	1	12/23/15 03:53	
Bromoform	0.42	U	2.0	0.42	1	12/23/15 03:53	
Bromomethane	0.23	U	5.0	0.23	1	12/23/15 03:53	
Carbon Tetrachloride	0.34	U	1.0	0.34	1	12/23/15 03:53	
Chlorobenzene	0.16	U	1.0	0.16	1	12/23/15 03:53	
Chloroethane	0.52	U	5.0	0.52	1	12/23/15 03:53	*
Chloroform	0.35	U	1.0	0.35	1	12/23/15 03:53	
Chloromethane	0.36	U	1.0	0.36	1	12/23/15 03:53	
cis-1,2-Dichloroethene	**64**		1.0	0.36	1	12/23/15 03:53	
cis-1,3-Dichloropropene	0.20	U	1.0	0.20	1	12/23/15 03:53	
Dibromochloromethane	0.21	U	1.0	0.21	1	12/23/15 03:53	
Dichlorodifluoromethane	0.23	U	20	0.23	1	12/23/15 03:53	
Methylene Chloride	0.21	U	5.0	0.21	1	12/23/15 03:53	
Tetrachloroethene (PCE)	0.22	U	1.0	0.22	1	12/23/15 03:53	
trans-1,2-Dichloroethene	**2.4**		1.0	0.19	1	12/23/15 03:53	
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	1	12/23/15 03:53	
Trichloroethene (TCE)	**0.96**	**I**	1.0	0.36	1	12/23/15 03:53	
Trichlorofluoromethane	0.24	U	20	0.24	1	12/23/15 03:53	*
Vinyl Chloride	**37**		1.0	0.36	1	12/23/15 03:53	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	118	72 - 121	12/23/15 03:53	
4-Bromofluorobenzene	86	86 - 113	12/23/15 03:53	
Dibromofluoromethane	114	86 - 112	12/23/15 03:53	*
Toluene-d8	102	88 - 115	12/23/15 03:53	

Client:	GeoSyntec Consultants	**Service Request:**	J1510030
Project:	Wilson Corners/FR0743C-20	**Date Collected:**	12/16/15 09:35
Sample Matrix:	Water	**Date Received:**	12/18/15 08:25
Sample Name:	WILC-MW0074-008.0-20151216	**Units:**	ug/L
Lab Code:	J1510030-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	12/23/15 04:16	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	12/23/15 04:16	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	12/23/15 04:16	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	12/23/15 04:16	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	12/23/15 04:16	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	12/23/15 04:16	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	12/23/15 04:16	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	12/23/15 04:16	
1,3-Dichlorobenzene	0.22 U	1.0	0.22	1	12/23/15 04:16	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	12/23/15 04:16	
Bromochloromethane	0.27 U	5.0	0.27	1	12/23/15 04:16	
Bromodichloromethane	0.22 U	1.0	0.22	1	12/23/15 04:16	
Bromoform	0.42 U	2.0	0.42	1	12/23/15 04:16	
Bromomethane	0.23 U	5.0	0.23	1	12/23/15 04:16	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	12/23/15 04:16	
Chlorobenzene	0.16 U	1.0	0.16	1	12/23/15 04:16	
Chloroethane	0.52 U	5.0	0.52	1	12/23/15 04:16	*
Chloroform	0.35 U	1.0	0.35	1	12/23/15 04:16	
Chloromethane	0.36 U	1.0	0.36	1	12/23/15 04:16	
cis-1,2-Dichloroethene	**0.97 IV**	1.0	0.36	1	12/23/15 04:16	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	12/23/15 04:16	
Dibromochloromethane	0.21 U	1.0	0.21	1	12/23/15 04:16	
Dichlorodifluoromethane	0.23 U	20	0.23	1	12/23/15 04:16	
Methylene Chloride	0.21 U	5.0	0.21	1	12/23/15 04:16	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	12/23/15 04:16	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	12/23/15 04:16	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	12/23/15 04:16	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	12/23/15 04:16	
Trichlorofluoromethane	0.24 U	20	0.24	1	12/23/15 04:16	*
Vinyl Chloride	0.36 U	1.0	0.36	1	12/23/15 04:16	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	119	72 - 121	12/23/15 04:16	
4-Bromofluorobenzene	82	86 - 113	12/23/15 04:16	*
Dibromofluoromethane	114	86 - 112	12/23/15 04:16	*
Toluene-d8	101	88 - 115	12/23/15 04:16	

Client:	GeoSyntec Consultants	**Service Request:**	J1510030
Project:	Wilson Corners/FR0743C-20	**Date Collected:**	12/16/15 11:04
Sample Matrix:	Water	**Date Received:**	12/18/15 08:25
Sample Name:	WILC-MW0075-008.0-20151216	**Units:**	ug/L
Lab Code:	J1510030-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	12/23/15 04:39	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	12/23/15 04:39	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	12/23/15 04:39	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	12/23/15 04:39	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	12/23/15 04:39	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	12/23/15 04:39	
1,2-Dichloroethane	**0.22 I**	1.0	0.22	1	12/23/15 04:39	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	12/23/15 04:39	
1,3-Dichlorobenzene	0.22 U	1.0	0.22	1	12/23/15 04:39	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	12/23/15 04:39	
Bromochloromethane	0.27 U	5.0	0.27	1	12/23/15 04:39	
Bromodichloromethane	0.22 U	1.0	0.22	1	12/23/15 04:39	
Bromoform	0.42 U	2.0	0.42	1	12/23/15 04:39	
Bromomethane	0.23 U	5.0	0.23	1	12/23/15 04:39	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	12/23/15 04:39	
Chlorobenzene	0.16 U	1.0	0.16	1	12/23/15 04:39	
Chloroethane	0.52 U	5.0	0.52	1	12/23/15 04:39	*
Chloroform	0.35 U	1.0	0.35	1	12/23/15 04:39	
Chloromethane	0.36 U	1.0	0.36	1	12/23/15 04:39	
cis-1,2-Dichloroethene	**0.88 IV**	1.0	0.36	1	12/23/15 04:39	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	12/23/15 04:39	
Dibromochloromethane	0.21 U	1.0	0.21	1	12/23/15 04:39	
Dichlorodifluoromethane	0.23 U	20	0.23	1	12/23/15 04:39	
Methylene Chloride	0.21 U	5.0	0.21	1	12/23/15 04:39	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	12/23/15 04:39	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	12/23/15 04:39	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	12/23/15 04:39	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	12/23/15 04:39	
Trichlorofluoromethane	0.24 U	20	0.24	1	12/23/15 04:39	*
Vinyl Chloride	0.36 U	1.0	0.36	1	12/23/15 04:39	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	119	72 - 121	12/23/15 04:39	
4-Bromofluorobenzene	83	86 - 113	12/23/15 04:39	*
Dibromofluoromethane	115	86 - 112	12/23/15 04:39	*
Toluene-d8	102	88 - 115	12/23/15 04:39	

Client:	GeoSyntec Consultants	**Service Request:**	J1510030
Project:	Wilson Corners/FR0743C-20	**Date Collected:**	12/15/15 10:54
Sample Matrix:	Water	**Date Received:**	12/18/15 08:25
Sample Name:	WILC-MW0091-008.0-20151215	**Units:**	ug/L
Lab Code:	J1510030-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	12/23/15 05:02	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	12/23/15 05:02	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	12/23/15 05:02	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	12/23/15 05:02	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	12/23/15 05:02	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	12/23/15 05:02	
1,2-Dichloroethane	**0.22 I**	1.0	0.22	1	12/23/15 05:02	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	12/23/15 05:02	
1,3-Dichlorobenzene	0.22 U	1.0	0.22	1	12/23/15 05:02	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	12/23/15 05:02	
Bromochloromethane	0.27 U	5.0	0.27	1	12/23/15 05:02	
Bromodichloromethane	0.22 U	1.0	0.22	1	12/23/15 05:02	
Bromoform	0.42 U	2.0	0.42	1	12/23/15 05:02	
Bromomethane	0.23 U	5.0	0.23	1	12/23/15 05:02	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	12/23/15 05:02	
Chlorobenzene	0.16 U	1.0	0.16	1	12/23/15 05:02	
Chloroethane	0.52 U	5.0	0.52	1	12/23/15 05:02	*
Chloroform	0.35 U	1.0	0.35	1	12/23/15 05:02	
Chloromethane	0.36 U	1.0	0.36	1	12/23/15 05:02	
cis-1,2-Dichloroethene	**0.81 IV**	1.0	0.36	1	12/23/15 05:02	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	12/23/15 05:02	
Dibromochloromethane	0.21 U	1.0	0.21	1	12/23/15 05:02	
Dichlorodifluoromethane	0.23 U	20	0.23	1	12/23/15 05:02	
Methylene Chloride	0.21 U	5.0	0.21	1	12/23/15 05:02	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	12/23/15 05:02	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	12/23/15 05:02	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	12/23/15 05:02	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	12/23/15 05:02	
Trichlorofluoromethane	0.24 U	20	0.24	1	12/23/15 05:02	*
Vinyl Chloride	0.36 U	1.0	0.36	1	12/23/15 05:02	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	119	72 - 121	12/23/15 05:02	
4-Bromofluorobenzene	86	86 - 113	12/23/15 05:02	
Dibromofluoromethane	116	86 - 112	12/23/15 05:02	*
Toluene-d8	102	88 - 115	12/23/15 05:02	

Client:	GeoSyntec Consultants	**Service Request:**	J1510030
Project:	Wilson Corners/FR0743C-20	**Date Collected:**	12/15/15 15:56
Sample Matrix:	Water	**Date Received:**	12/18/15 08:25
Sample Name:	WILC-MW0095-008.0-20151215	**Units:**	ug/L
Lab Code:	J1510030-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	12/23/15 05:25	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	12/23/15 05:25	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	12/23/15 05:25	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	12/23/15 05:25	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	12/23/15 05:25	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	12/23/15 05:25	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	12/23/15 05:25	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	12/23/15 05:25	
1,3-Dichlorobenzene	0.22 U	1.0	0.22	1	12/23/15 05:25	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	12/23/15 05:25	
Bromochloromethane	0.27 U	5.0	0.27	1	12/23/15 05:25	
Bromodichloromethane	0.22 U	1.0	0.22	1	12/23/15 05:25	
Bromoform	0.42 U	2.0	0.42	1	12/23/15 05:25	
Bromomethane	0.23 U	5.0	0.23	1	12/23/15 05:25	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	12/23/15 05:25	
Chlorobenzene	0.16 U	1.0	0.16	1	12/23/15 05:25	
Chloroethane	0.52 U	5.0	0.52	1	12/23/15 05:25	*
Chloroform	0.35 U	1.0	0.35	1	12/23/15 05:25	
Chloromethane	0.36 U	1.0	0.36	1	12/23/15 05:25	
cis-1,2-Dichloroethene	**1.1 V**	1.0	0.36	1	12/23/15 05:25	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	12/23/15 05:25	
Dibromochloromethane	0.21 U	1.0	0.21	1	12/23/15 05:25	
Dichlorodifluoromethane	0.23 U	20	0.23	1	12/23/15 05:25	
Methylene Chloride	0.21 U	5.0	0.21	1	12/23/15 05:25	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	12/23/15 05:25	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	12/23/15 05:25	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	12/23/15 05:25	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	12/23/15 05:25	
Trichlorofluoromethane	0.24 U	20	0.24	1	12/23/15 05:25	*
Vinyl Chloride	**1.7**	1.0	0.36	1	12/23/15 05:25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	119	72 - 121	12/23/15 05:25	
4-Bromofluorobenzene	84	86 - 113	12/23/15 05:25	*
Dibromofluoromethane	114	86 - 112	12/23/15 05:25	*
Toluene-d8	102	88 - 115	12/23/15 05:25	

Client:	GeoSyntec Consultants	**Service Request:**	J1510030
Project:	Wilson Corners/FR0743C-20	**Date Collected:**	12/15/15 11:27
Sample Matrix:	Water	**Date Received:**	12/18/15 08:25
Sample Name:	WILC-MW0087-020.0-20151215	**Units:**	ug/L
Lab Code:	J1510030-008	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	12/19/15 11:24	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	12/19/15 11:24	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	12/19/15 11:24	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	12/19/15 11:24	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	12/19/15 11:24	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	12/19/15 11:24	
1,2-Dichloroethane	**0.25 IV**	1.0	0.22	1	12/19/15 11:24	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	12/19/15 11:24	
1,3-Dichlorobenzene	0.22 U	1.0	0.22	1	12/19/15 11:24	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	12/19/15 11:24	
Bromochloromethane	0.27 U	5.0	0.27	1	12/19/15 11:24	
Bromodichloromethane	0.22 U	1.0	0.22	1	12/19/15 11:24	
Bromoform	0.42 U	2.0	0.42	1	12/19/15 11:24	
Bromomethane	0.23 U	5.0	0.23	1	12/19/15 11:24	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	12/19/15 11:24	
Chlorobenzene	0.16 U	1.0	0.16	1	12/19/15 11:24	
Chloroethane	0.52 U	5.0	0.52	1	12/19/15 11:24	
Chloroform	0.35 U	1.0	0.35	1	12/19/15 11:24	
Chloromethane	0.36 U	1.0	0.36	1	12/19/15 11:24	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	12/19/15 11:24	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	12/19/15 11:24	
Dibromochloromethane	0.21 U	1.0	0.21	1	12/19/15 11:24	
Dichlorodifluoromethane	0.23 U	20	0.23	1	12/19/15 11:24	
Methylene Chloride	0.21 U	5.0	0.21	1	12/19/15 11:24	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	12/19/15 11:24	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	12/19/15 11:24	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	12/19/15 11:24	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	12/19/15 11:24	
Trichlorofluoromethane	0.24 U	20	0.24	1	12/19/15 11:24	
Vinyl Chloride	0.36 U	1.0	0.36	1	12/19/15 11:24	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	116	72 - 121	12/19/15 11:24	
4-Bromofluorobenzene	88	86 - 113	12/19/15 11:24	
Dibromofluoromethane	110	86 - 112	12/19/15 11:24	
Toluene-d8	102	88 - 115	12/19/15 11:24	

Client:	GeoSyntec Consultants	**Service Request:**	J1510030
Project:	Wilson Corners/FR0743C-20	**Date Collected:**	12/15/15 11:07
Sample Matrix:	Water	**Date Received:**	12/18/15 08:25
Sample Name:	WILC-MW0089-020.0-20151215	**Units:**	ug/L
Lab Code:	J1510030-009	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	12/28/15 16:37	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	12/28/15 16:37	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	12/28/15 16:37	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	12/28/15 16:37	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	12/28/15 16:37	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	12/28/15 16:37	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	12/28/15 16:37	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	12/28/15 16:37	
1,3-Dichlorobenzene	0.22 U	1.0	0.22	1	12/28/15 16:37	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	12/28/15 16:37	
Bromochloromethane	0.27 U	5.0	0.27	1	12/28/15 16:37	
Bromodichloromethane	0.22 U	1.0	0.22	1	12/28/15 16:37	
Bromoform	0.42 U	2.0	0.42	1	12/28/15 16:37	
Bromomethane	0.23 U	5.0	0.23	1	12/28/15 16:37	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	12/28/15 16:37	
Chlorobenzene	0.16 U	1.0	0.16	1	12/28/15 16:37	
Chloroethane	0.52 U	5.0	0.52	1	12/28/15 16:37	
Chloroform	0.35 U	1.0	0.35	1	12/28/15 16:37	
Chloromethane	0.36 U	1.0	0.36	1	12/28/15 16:37	
cis-1,2-Dichloroethene	**1.6**	1.0	0.36	1	12/28/15 16:37	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	12/28/15 16:37	
Dibromochloromethane	0.21 U	1.0	0.21	1	12/28/15 16:37	
Dichlorodifluoromethane	0.23 U	20	0.23	1	12/28/15 16:37	
Methylene Chloride	0.21 U	5.0	0.21	1	12/28/15 16:37	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	12/28/15 16:37	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	12/28/15 16:37	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	12/28/15 16:37	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	12/28/15 16:37	
Trichlorofluoromethane	0.24 U	20	0.24	1	12/28/15 16:37	
Vinyl Chloride	**0.99 I**	1.0	0.36	1	12/28/15 16:37	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	118	72 - 121	12/28/15 16:37	
4-Bromofluorobenzene	83	86 - 113	12/28/15 16:37	*
Dibromofluoromethane	114	86 - 112	12/28/15 16:37	*
Toluene-d8	102	88 - 115	12/28/15 16:37	

Client:	GeoSyntec Consultants	**Service Request:**	J1510030
Project:	Wilson Corners/FR0743C-20	**Date Collected:**	12/15/15 08:40
Sample Matrix:	Water	**Date Received:**	12/18/15 08:25
Sample Name:	WILC-MW0106-020.0-20151215	**Units:**	ug/L
Lab Code:	J1510030-010	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	12/28/15 16:59	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	12/28/15 16:59	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	12/28/15 16:59	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	12/28/15 16:59	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	12/28/15 16:59	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	12/28/15 16:59	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	12/28/15 16:59	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	12/28/15 16:59	
1,3-Dichlorobenzene	0.22 U	1.0	0.22	1	12/28/15 16:59	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	12/28/15 16:59	
Bromochloromethane	0.27 U	5.0	0.27	1	12/28/15 16:59	
Bromodichloromethane	0.22 U	1.0	0.22	1	12/28/15 16:59	
Bromoform	0.42 U	2.0	0.42	1	12/28/15 16:59	
Bromomethane	0.23 U	5.0	0.23	1	12/28/15 16:59	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	12/28/15 16:59	
Chlorobenzene	0.16 U	1.0	0.16	1	12/28/15 16:59	
Chloroethane	0.52 U	5.0	0.52	1	12/28/15 16:59	
Chloroform	0.35 U	1.0	0.35	1	12/28/15 16:59	
Chloromethane	0.36 U	1.0	0.36	1	12/28/15 16:59	
cis-1,2-Dichloroethene	**0.98 I**	1.0	0.36	1	12/28/15 16:59	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	12/28/15 16:59	
Dibromochloromethane	0.21 U	1.0	0.21	1	12/28/15 16:59	
Dichlorodifluoromethane	0.23 U	20	0.23	1	12/28/15 16:59	
Methylene Chloride	**0.40 I**	5.0	0.21	1	12/28/15 16:59	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	12/28/15 16:59	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	12/28/15 16:59	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	12/28/15 16:59	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	12/28/15 16:59	
Trichlorofluoromethane	0.24 U	20	0.24	1	12/28/15 16:59	
Vinyl Chloride	**0.40 I**	1.0	0.36	1	12/28/15 16:59	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	117	72 - 121	12/28/15 16:59	
4-Bromofluorobenzene	84	86 - 113	12/28/15 16:59	*
Dibromofluoromethane	114	86 - 112	12/28/15 16:59	*
Toluene-d8	104	88 - 115	12/28/15 16:59	

Client:	GeoSyntec Consultants	**Service Request:**	J1510030
Project:	Wilson Corners/FR0743C-20	**Date Collected:**	12/15/15 15:07
Sample Matrix:	Water	**Date Received:**	12/18/15 08:25
Sample Name:	WILC-MW0109-020.0-20151215	**Units:**	ug/L
Lab Code:	J1510030-011	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result		PQL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.17	U	1.0	0.17	1	12/19/15 11:47	
1,1,2,2-Tetrachloroethane	0.29	U	1.0	0.29	1	12/19/15 11:47	
1,1,2-Trichloroethane	0.40	U	1.0	0.40	1	12/19/15 11:47	
1,1-Dichloroethane (1,1-DCA)	0.30	U	1.0	0.30	1	12/19/15 11:47	
1,1-Dichloroethene (1,1-DCE)	0.16	U	1.0	0.16	1	12/19/15 11:47	
1,2-Dichlorobenzene	0.48	U	1.0	0.48	1	12/19/15 11:47	
1,2-Dichloroethane	**0.26**	**IV**	1.0	0.22	1	12/19/15 11:47	
1,2-Dichloropropane	0.19	U	1.0	0.19	1	12/19/15 11:47	
1,3-Dichlorobenzene	0.22	U	1.0	0.22	1	12/19/15 11:47	
1,4-Dichlorobenzene	0.16	U	1.0	0.16	1	12/19/15 11:47	
Bromochloromethane	0.27	U	5.0	0.27	1	12/19/15 11:47	
Bromodichloromethane	0.22	U	1.0	0.22	1	12/19/15 11:47	
Bromoform	0.42	U	2.0	0.42	1	12/19/15 11:47	
Bromomethane	0.23	U	5.0	0.23	1	12/19/15 11:47	
Carbon Tetrachloride	0.34	U	1.0	0.34	1	12/19/15 11:47	
Chlorobenzene	0.16	U	1.0	0.16	1	12/19/15 11:47	
Chloroethane	0.52	U	5.0	0.52	1	12/19/15 11:47	
Chloroform	0.35	U	1.0	0.35	1	12/19/15 11:47	
Chloromethane	0.36	U	1.0	0.36	1	12/19/15 11:47	
cis-1,2-Dichloroethene	**2.5**		1.0	0.36	1	12/19/15 11:47	
cis-1,3-Dichloropropene	0.20	U	1.0	0.20	1	12/19/15 11:47	
Dibromochloromethane	0.21	U	1.0	0.21	1	12/19/15 11:47	
Dichlorodifluoromethane	**1.3**	**I**	20	0.23	1	12/19/15 11:47	
Methylene Chloride	0.21	U	5.0	0.21	1	12/19/15 11:47	
Tetrachloroethene (PCE)	0.22	U	1.0	0.22	1	12/19/15 11:47	
trans-1,2-Dichloroethene	**1.6**		1.0	0.19	1	12/19/15 11:47	
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	1	12/19/15 11:47	
Trichloroethene (TCE)	0.36	U	1.0	0.36	1	12/19/15 11:47	
Trichlorofluoromethane	0.24	U	20	0.24	1	12/19/15 11:47	
Vinyl Chloride	**11**		1.0	0.36	1	12/19/15 11:47	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	114	72 - 121	12/19/15 11:47	
4-Bromofluorobenzene	92	86 - 113	12/19/15 11:47	
Dibromofluoromethane	110	86 - 112	12/19/15 11:47	
Toluene-d8	103	88 - 115	12/19/15 11:47	

Client:	GeoSyntec Consultants	**Service Request:**	J1510030
Project:	Wilson Corners/FR0743C-20	**Date Collected:**	12/16/15 09:45
Sample Matrix:	Water	**Date Received:**	12/18/15 08:25
Sample Name:	WILC-MW0115-020.0-20151216	**Units:**	ug/L
Lab Code:	J1510030-012	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	12/19/15 12:10	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	12/19/15 12:10	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	12/19/15 12:10	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	12/19/15 12:10	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	12/19/15 12:10	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	12/19/15 12:10	
1,2-Dichloroethane	**0.25 IV**	1.0	0.22	1	12/19/15 12:10	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	12/19/15 12:10	
1,3-Dichlorobenzene	0.22 U	1.0	0.22	1	12/19/15 12:10	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	12/19/15 12:10	
Bromochloromethane	0.27 U	5.0	0.27	1	12/19/15 12:10	
Bromodichloromethane	0.22 U	1.0	0.22	1	12/19/15 12:10	
Bromoform	0.42 U	2.0	0.42	1	12/19/15 12:10	
Bromomethane	0.23 U	5.0	0.23	1	12/19/15 12:10	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	12/19/15 12:10	
Chlorobenzene	0.16 U	1.0	0.16	1	12/19/15 12:10	
Chloroethane	0.52 U	5.0	0.52	1	12/19/15 12:10	
Chloroform	0.35 U	1.0	0.35	1	12/19/15 12:10	
Chloromethane	0.36 U	1.0	0.36	1	12/19/15 12:10	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	12/19/15 12:10	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	12/19/15 12:10	
Dibromochloromethane	0.21 U	1.0	0.21	1	12/19/15 12:10	
Dichlorodifluoromethane	0.23 U	20	0.23	1	12/19/15 12:10	
Methylene Chloride	0.21 U	5.0	0.21	1	12/19/15 12:10	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	12/19/15 12:10	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	12/19/15 12:10	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	12/19/15 12:10	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	12/19/15 12:10	
Trichlorofluoromethane	0.24 U	20	0.24	1	12/19/15 12:10	
Vinyl Chloride	0.36 U	1.0	0.36	1	12/19/15 12:10	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	116	72 - 121	12/19/15 12:10	
4-Bromofluorobenzene	88	86 - 113	12/19/15 12:10	
Dibromofluoromethane	110	86 - 112	12/19/15 12:10	
Toluene-d8	102	88 - 115	12/19/15 12:10	

Client:	GeoSyntec Consultants	**Service Request:**	J1510030
Project:	Wilson Corners/FR0743C-20	**Date Collected:**	12/16/15 09:59
Sample Matrix:	Water	**Date Received:**	12/18/15 08:25
Sample Name:	WILC-MW0116-020.0-20151216	**Units:**	ug/L
Lab Code:	J1510030-013	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result		PQL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.17	U	1.0	0.17	1	12/19/15 12:33	
1,1,2,2-Tetrachloroethane	0.29	U	1.0	0.29	1	12/19/15 12:33	
1,1,2-Trichloroethane	0.40	U	1.0	0.40	1	12/19/15 12:33	
1,1-Dichloroethane (1,1-DCA)	0.30	U	1.0	0.30	1	12/19/15 12:33	
1,1-Dichloroethene (1,1-DCE)	0.16	U	1.0	0.16	1	12/19/15 12:33	
1,2-Dichlorobenzene	0.48	U	1.0	0.48	1	12/19/15 12:33	
1,2-Dichloroethane	**0.28**	**IV**	1.0	0.22	1	12/19/15 12:33	
1,2-Dichloropropane	0.19	U	1.0	0.19	1	12/19/15 12:33	
1,3-Dichlorobenzene	0.22	U	1.0	0.22	1	12/19/15 12:33	
1,4-Dichlorobenzene	0.16	U	1.0	0.16	1	12/19/15 12:33	
Bromochloromethane	0.27	U	5.0	0.27	1	12/19/15 12:33	
Bromodichloromethane	0.22	U	1.0	0.22	1	12/19/15 12:33	
Bromoform	0.42	U	2.0	0.42	1	12/19/15 12:33	
Bromomethane	0.23	U	5.0	0.23	1	12/19/15 12:33	
Carbon Tetrachloride	0.34	U	1.0	0.34	1	12/19/15 12:33	
Chlorobenzene	0.16	U	1.0	0.16	1	12/19/15 12:33	
Chloroethane	0.52	U	5.0	0.52	1	12/19/15 12:33	
Chloroform	0.35	U	1.0	0.35	1	12/19/15 12:33	
Chloromethane	0.36	U	1.0	0.36	1	12/19/15 12:33	
cis-1,2-Dichloroethene	**31**		1.0	0.36	1	12/19/15 12:33	
cis-1,3-Dichloropropene	0.20	U	1.0	0.20	1	12/19/15 12:33	
Dibromochloromethane	0.21	U	1.0	0.21	1	12/19/15 12:33	
Dichlorodifluoromethane	0.23	U	20	0.23	1	12/19/15 12:33	
Methylene Chloride	0.21	U	5.0	0.21	1	12/19/15 12:33	
Tetrachloroethene (PCE)	0.22	U	1.0	0.22	1	12/19/15 12:33	
trans-1,2-Dichloroethene	**2.4**		1.0	0.19	1	12/19/15 12:33	
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	1	12/19/15 12:33	
Trichloroethene (TCE)	**0.43**	**I**	1.0	0.36	1	12/19/15 12:33	
Trichlorofluoromethane	0.24	U	20	0.24	1	12/19/15 12:33	
Vinyl Chloride	**140**		1.0	0.36	1	12/19/15 12:33	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	116	72 - 121	12/19/15 12:33	
4-Bromofluorobenzene	92	86 - 113	12/19/15 12:33	
Dibromofluoromethane	113	86 - 112	12/19/15 12:33	*
Toluene-d8	102	88 - 115	12/19/15 12:33	

Client:	GeoSyntec Consultants	**Service Request:**	J1510030
Project:	Wilson Corners/FR0743C-20	**Date Collected:**	12/16/15 10:32
Sample Matrix:	Water	**Date Received:**	12/18/15 08:25
Sample Name:	WILC-MW0122-020.0-20151216	**Units:**	ug/L
Lab Code:	J1510030-014	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	12/19/15 12:55	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	12/19/15 12:55	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	12/19/15 12:55	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	12/19/15 12:55	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	12/19/15 12:55	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	12/19/15 12:55	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	12/19/15 12:55	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	12/19/15 12:55	
1,3-Dichlorobenzene	0.22 U	1.0	0.22	1	12/19/15 12:55	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	12/19/15 12:55	
Bromochloromethane	0.27 U	5.0	0.27	1	12/19/15 12:55	
Bromodichloromethane	0.22 U	1.0	0.22	1	12/19/15 12:55	
Bromoform	0.42 U	2.0	0.42	1	12/19/15 12:55	
Bromomethane	0.23 U	5.0	0.23	1	12/19/15 12:55	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	12/19/15 12:55	
Chlorobenzene	0.16 U	1.0	0.16	1	12/19/15 12:55	
Chloroethane	0.52 U	5.0	0.52	1	12/19/15 12:55	
Chloroform	0.35 U	1.0	0.35	1	12/19/15 12:55	
Chloromethane	0.36 U	1.0	0.36	1	12/19/15 12:55	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	12/19/15 12:55	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	12/19/15 12:55	
Dibromochloromethane	0.21 U	1.0	0.21	1	12/19/15 12:55	
Dichlorodifluoromethane	0.23 U	20	0.23	1	12/19/15 12:55	
Methylene Chloride	0.21 U	5.0	0.21	1	12/19/15 12:55	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	12/19/15 12:55	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	12/19/15 12:55	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	12/19/15 12:55	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	12/19/15 12:55	
Trichlorofluoromethane	0.24 U	20	0.24	1	12/19/15 12:55	
Vinyl Chloride	**0.37 I**	1.0	0.36	1	12/19/15 12:55	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	119	72 - 121	12/19/15 12:55	
4-Bromofluorobenzene	88	86 - 113	12/19/15 12:55	
Dibromofluoromethane	112	86 - 112	12/19/15 12:55	
Toluene-d8	101	88 - 115	12/19/15 12:55	

Client:	GeoSyntec Consultants	**Service Request:**	J1510030
Project:	Wilson Corners/FR0743C-20	**Date Collected:**	12/15/15 15:24
Sample Matrix:	Water	**Date Received:**	12/18/15 08:25
Sample Name:	WILC-MW0125-020.0-20151215	**Units:**	ug/L
Lab Code:	J1510030-015	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	12/19/15 13:18	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	12/19/15 13:18	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	12/19/15 13:18	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	12/19/15 13:18	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	12/19/15 13:18	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	12/19/15 13:18	
1,2-Dichloroethane	**0.25 IV**	1.0	0.22	1	12/19/15 13:18	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	12/19/15 13:18	
1,3-Dichlorobenzene	0.22 U	1.0	0.22	1	12/19/15 13:18	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	12/19/15 13:18	
Bromochloromethane	0.27 U	5.0	0.27	1	12/19/15 13:18	
Bromodichloromethane	0.22 U	1.0	0.22	1	12/19/15 13:18	
Bromoform	0.42 U	2.0	0.42	1	12/19/15 13:18	
Bromomethane	0.23 U	5.0	0.23	1	12/19/15 13:18	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	12/19/15 13:18	
Chlorobenzene	0.16 U	1.0	0.16	1	12/19/15 13:18	
Chloroethane	0.52 U	5.0	0.52	1	12/19/15 13:18	
Chloroform	0.35 U	1.0	0.35	1	12/19/15 13:18	
Chloromethane	0.36 U	1.0	0.36	1	12/19/15 13:18	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	12/19/15 13:18	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	12/19/15 13:18	
Dibromochloromethane	0.21 U	1.0	0.21	1	12/19/15 13:18	
Dichlorodifluoromethane	0.23 U	20	0.23	1	12/19/15 13:18	
Methylene Chloride	0.21 U	5.0	0.21	1	12/19/15 13:18	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	12/19/15 13:18	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	12/19/15 13:18	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	12/19/15 13:18	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	12/19/15 13:18	
Trichlorofluoromethane	0.24 U	20	0.24	1	12/19/15 13:18	
Vinyl Chloride	**0.54 I**	1.0	0.36	1	12/19/15 13:18	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	117	72 - 121	12/19/15 13:18	
4-Bromofluorobenzene	86	86 - 113	12/19/15 13:18	
Dibromofluoromethane	111	86 - 112	12/19/15 13:18	
Toluene-d8	103	88 - 115	12/19/15 13:18	

Client:	GeoSyntec Consultants	**Service Request:**	J1510030
Project:	Wilson Corners/FR0743C-20	**Date Collected:**	12/15/15 15:44
Sample Matrix:	Water	**Date Received:**	12/18/15 08:25
Sample Name:	WILC-MW0126-020.0-20151215	**Units:**	ug/L
Lab Code:	J1510030-016	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	12/19/15 13:41	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	12/19/15 13:41	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	12/19/15 13:41	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	12/19/15 13:41	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	12/19/15 13:41	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	12/19/15 13:41	
1,2-Dichloroethane	**0.24 IV**	1.0	0.22	1	12/19/15 13:41	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	12/19/15 13:41	
1,3-Dichlorobenzene	0.22 U	1.0	0.22	1	12/19/15 13:41	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	12/19/15 13:41	
Bromochloromethane	0.27 U	5.0	0.27	1	12/19/15 13:41	
Bromodichloromethane	0.22 U	1.0	0.22	1	12/19/15 13:41	
Bromoform	0.42 U	2.0	0.42	1	12/19/15 13:41	
Bromomethane	0.23 U	5.0	0.23	1	12/19/15 13:41	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	12/19/15 13:41	
Chlorobenzene	0.16 U	1.0	0.16	1	12/19/15 13:41	
Chloroethane	0.52 U	5.0	0.52	1	12/19/15 13:41	
Chloroform	0.35 U	1.0	0.35	1	12/19/15 13:41	
Chloromethane	0.36 U	1.0	0.36	1	12/19/15 13:41	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	12/19/15 13:41	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	12/19/15 13:41	
Dibromochloromethane	0.21 U	1.0	0.21	1	12/19/15 13:41	
Dichlorodifluoromethane	0.23 U	20	0.23	1	12/19/15 13:41	
Methylene Chloride	0.21 U	5.0	0.21	1	12/19/15 13:41	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	12/19/15 13:41	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	12/19/15 13:41	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	12/19/15 13:41	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	12/19/15 13:41	
Trichlorofluoromethane	0.24 U	20	0.24	1	12/19/15 13:41	
Vinyl Chloride	0.36 U	1.0	0.36	1	12/19/15 13:41	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	117	72 - 121	12/19/15 13:41	
4-Bromofluorobenzene	88	86 - 113	12/19/15 13:41	
Dibromofluoromethane	112	86 - 112	12/19/15 13:41	
Toluene-d8	101	88 - 115	12/19/15 13:41	

Client:	GeoSyntec Consultants	**Service Request:**	J1510030
Project:	Wilson Corners/FR0743C-20	**Date Collected:**	12/16/15 10:22
Sample Matrix:	Water	**Date Received:**	12/18/15 08:25
Sample Name:	WILC-NPSH-MW0015-031.5-20151216	**Units:**	ug/L
Lab Code:	J1510030-017	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	12/23/15 09:55	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	12/23/15 09:55	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	12/23/15 09:55	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	12/23/15 09:55	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	12/23/15 09:55	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	12/23/15 09:55	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	12/23/15 09:55	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	12/23/15 09:55	
1,3-Dichlorobenzene	0.22 U	1.0	0.22	1	12/23/15 09:55	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	12/23/15 09:55	
Bromochloromethane	0.27 U	5.0	0.27	1	12/23/15 09:55	
Bromodichloromethane	0.22 U	1.0	0.22	1	12/23/15 09:55	
Bromoform	0.42 U	2.0	0.42	1	12/23/15 09:55	
Bromomethane	0.23 U	5.0	0.23	1	12/23/15 09:55	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	12/23/15 09:55	
Chlorobenzene	0.16 U	1.0	0.16	1	12/23/15 09:55	
Chloroethane	0.52 U	5.0	0.52	1	12/23/15 09:55	*
Chloroform	0.35 U	1.0	0.35	1	12/23/15 09:55	
Chloromethane	0.36 U	1.0	0.36	1	12/23/15 09:55	
cis-1,2-Dichloroethene	**2.5 V**	1.0	0.36	1	12/23/15 09:55	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	12/23/15 09:55	
Dibromochloromethane	0.21 U	1.0	0.21	1	12/23/15 09:55	
Dichlorodifluoromethane	0.23 U	20	0.23	1	12/23/15 09:55	
Methylene Chloride	0.21 U	5.0	0.21	1	12/23/15 09:55	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	12/23/15 09:55	
trans-1,2-Dichloroethene	**1.1**	1.0	0.19	1	12/23/15 09:55	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	12/23/15 09:55	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	12/23/15 09:55	
Trichlorofluoromethane	0.24 U	20	0.24	1	12/23/15 09:55	*
Vinyl Chloride	**3.6**	1.0	0.36	1	12/23/15 09:55	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	119	72 - 121	12/23/15 09:55	
4-Bromofluorobenzene	90	86 - 113	12/23/15 09:55	
Dibromofluoromethane	116	86 - 112	12/23/15 09:55	*
Toluene-d8	103	88 - 115	12/23/15 09:55	

Client:	GeoSyntec Consultants	**Service Request:**	J1510030
Project:	Wilson Corners/FR0743C-20	**Date Collected:**	12/15/15 13:30
Sample Matrix:	Water	**Date Received:**	12/18/15 08:25
Sample Name:	WILC-NPSH-MW0016-031.5-20151215	**Units:**	ug/L
Lab Code:	J1510030-018	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.8 U	10	1.8	10	12/28/15 13:44	
1,1,2,2-Tetrachloroethane	2.9 U	10	2.9	10	12/28/15 13:44	
1,1,2-Trichloroethane	4.0 U	10	4.0	10	12/28/15 13:44	
1,1-Dichloroethane (1,1-DCA)	3.0 U	10	3.0	10	12/28/15 13:44	
1,1-Dichloroethene (1,1-DCE)	1.6 U	10	1.6	10	12/28/15 13:44	
1,2-Dichlorobenzene	4.8 U	10	4.8	10	12/28/15 13:44	
1,2-Dichloroethane	2.2 U	10	2.2	10	12/28/15 13:44	
1,2-Dichloropropane	1.9 U	10	1.9	10	12/28/15 13:44	
1,3-Dichlorobenzene	2.2 U	10	2.2	10	12/28/15 13:44	
1,4-Dichlorobenzene	1.6 U	10	1.6	10	12/28/15 13:44	
Bromochloromethane	2.7 U	50	2.7	10	12/28/15 13:44	
Bromodichloromethane	2.2 U	10	2.2	10	12/28/15 13:44	
Bromoform	4.2 U	20	4.2	10	12/28/15 13:44	
Bromomethane	2.4 U	50	2.4	10	12/28/15 13:44	
Carbon Tetrachloride	3.5 U	10	3.5	10	12/28/15 13:44	
Chlorobenzene	1.6 U	10	1.6	10	12/28/15 13:44	
Chloroethane	5.2 U	50	5.2	10	12/28/15 13:44	
Chloroform	3.5 U	10	3.5	10	12/28/15 13:44	
Chloromethane	3.6 U	10	3.6	10	12/28/15 13:44	
cis-1,2-Dichloroethene	**98**	10	3.6	10	12/28/15 13:44	
cis-1,3-Dichloropropene	2.0 U	10	2.0	10	12/28/15 13:44	
Dibromochloromethane	2.1 U	10	2.1	10	12/28/15 13:44	
Dichlorodifluoromethane	2.4 U	200	2.4	10	12/28/15 13:44	
Methylene Chloride	**4.2 I**	50	2.1	10	12/28/15 13:44	
Tetrachloroethene (PCE)	2.2 U	10	2.2	10	12/28/15 13:44	
trans-1,2-Dichloroethene	**5.7 I**	10	1.9	10	12/28/15 13:44	
trans-1,3-Dichloropropene	2.4 U	10	2.4	10	12/28/15 13:44	
Trichloroethene (TCE)	3.6 U	10	3.6	10	12/28/15 13:44	
Trichlorofluoromethane	2.4 U	200	2.4	10	12/28/15 13:44	
Vinyl Chloride	**800**	10	3.6	10	12/28/15 13:44	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	118	72 - 121	12/28/15 13:44	
4-Bromofluorobenzene	83	86 - 113	12/28/15 13:44	*
Dibromofluoromethane	112	86 - 112	12/28/15 13:44	
Toluene-d8	101	88 - 115	12/28/15 13:44	

Client:	GeoSyntec Consultants	**Service Request:**	J1510030
Project:	Wilson Corners/FR0743C-20	**Date Collected:**	12/15/15 14:11
Sample Matrix:	Water	**Date Received:**	12/18/15 08:25
Sample Name:	WILC-NPSH-MW0017-031.5-20151215	**Units:**	ug/L
Lab Code:	J1510030-019	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result		PQL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	8.5	U	50	8.5	50	12/21/15 16:32	
1,1,2,2-Tetrachloroethane	15	U	50	15	50	12/21/15 16:32	
1,1,2-Trichloroethane	20	U	50	20	50	12/21/15 16:32	
1,1-Dichloroethane (1,1-DCA)	15	U	50	15	50	12/21/15 16:32	
1,1-Dichloroethene (1,1-DCE)	8.0	U	50	8.0	50	12/21/15 16:32	
1,2-Dichlorobenzene	24	U	50	24	50	12/21/15 16:32	
1,2-Dichloroethane	**12**	**I**	50	11	50	12/21/15 16:32	
1,2-Dichloropropane	9.5	U	50	9.5	50	12/21/15 16:32	
1,3-Dichlorobenzene	11	U	50	11	50	12/21/15 16:32	
1,4-Dichlorobenzene	8.0	U	50	8.0	50	12/21/15 16:32	
Bromochloromethane	14	U	250	14	50	12/21/15 16:32	
Bromodichloromethane	11	U	50	11	50	12/21/15 16:32	
Bromoform	21	U	100	21	50	12/21/15 16:32	
Bromomethane	12	U	250	12	50	12/21/15 16:32	
Carbon Tetrachloride	17	U	50	17	50	12/21/15 16:32	
Chlorobenzene	8.0	U	50	8.0	50	12/21/15 16:32	
Chloroethane	26	U	250	26	50	12/21/15 16:32	
Chloroform	18	U	50	18	50	12/21/15 16:32	
Chloromethane	18	U	50	18	50	12/21/15 16:32	
cis-1,2-Dichloroethene	**320**		50	18	50	12/21/15 16:32	
cis-1,3-Dichloropropene	10	U	50	10	50	12/21/15 16:32	
Dibromochloromethane	11	U	50	11	50	12/21/15 16:32	
Dichlorodifluoromethane	12	U	1000	12	50	12/21/15 16:32	
Methylene Chloride	**63**	**I**	250	11	50	12/21/15 16:32	
Tetrachloroethene (PCE)	11	U	50	11	50	12/21/15 16:32	
trans-1,2-Dichloroethene	**15**	**I**	50	9.5	50	12/21/15 16:32	
trans-1,3-Dichloropropene	12	U	50	12	50	12/21/15 16:32	
Trichloroethene (TCE)	18	U	50	18	50	12/21/15 16:32	
Trichlorofluoromethane	12	U	1000	12	50	12/21/15 16:32	
Vinyl Chloride	**4000**		50	18	50	12/21/15 16:32	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	119	72 - 121	12/21/15 16:32	
4-Bromofluorobenzene	83	86 - 113	12/21/15 16:32	*
Dibromofluoromethane	112	86 - 112	12/21/15 16:32	
Toluene-d8	102	88 - 115	12/21/15 16:32	

Analytical Report

Client:	GeoSyntec Consultants	**Service Request:**	J1510030
Project:	Wilson Corners/FR0743C-20	**Date Collected:**	12/15/15 13:44
Sample Matrix:	Water	**Date Received:**	12/18/15 08:25
Sample Name:	WILC-NPSH-MW0019-031.5-20151215	**Units:**	ug/L
Lab Code:	J1510030-020	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	12/19/15 14:04	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	12/19/15 14:04	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	12/19/15 14:04	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	12/19/15 14:04	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	12/19/15 14:04	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	12/19/15 14:04	
1,2-Dichloroethane	**0.26 IV**	1.0	0.22	1	12/19/15 14:04	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	12/19/15 14:04	
1,3-Dichlorobenzene	0.22 U	1.0	0.22	1	12/19/15 14:04	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	12/19/15 14:04	
Bromochloromethane	0.27 U	5.0	0.27	1	12/19/15 14:04	
Bromodichloromethane	0.22 U	1.0	0.22	1	12/19/15 14:04	
Bromoform	0.42 U	2.0	0.42	1	12/19/15 14:04	
Bromomethane	0.23 U	5.0	0.23	1	12/19/15 14:04	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	12/19/15 14:04	
Chlorobenzene	0.16 U	1.0	0.16	1	12/19/15 14:04	
Chloroethane	0.52 U	5.0	0.52	1	12/19/15 14:04	
Chloroform	0.35 U	1.0	0.35	1	12/19/15 14:04	
Chloromethane	0.36 U	1.0	0.36	1	12/19/15 14:04	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	12/19/15 14:04	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	12/19/15 14:04	
Dibromochloromethane	0.21 U	1.0	0.21	1	12/19/15 14:04	
Dichlorodifluoromethane	0.23 U	20	0.23	1	12/19/15 14:04	
Methylene Chloride	0.21 U	5.0	0.21	1	12/19/15 14:04	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	12/19/15 14:04	
trans-1,2-Dichloroethene	**0.66 I**	1.0	0.19	1	12/19/15 14:04	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	12/19/15 14:04	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	12/19/15 14:04	
Trichlorofluoromethane	0.24 U	20	0.24	1	12/19/15 14:04	
Vinyl Chloride	**0.96 I**	1.0	0.36	1	12/19/15 14:04	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	118	72 - 121	12/19/15 14:04	
4-Bromofluorobenzene	88	86 - 113	12/19/15 14:04	
Dibromofluoromethane	111	86 - 112	12/19/15 14:04	
Toluene-d8	101	88 - 115	12/19/15 14:04	

Analytical Report

Client:	GeoSyntec Consultants	**Service Request:**	J1510030
Project:	Wilson Corners/FR0743C-20	**Date Collected:**	12/15/15 14:58
Sample Matrix:	Water	**Date Received:**	12/18/15 08:25
Sample Name:	WILC-NPSH-MW0020-031.5-20151215	**Units:**	ug/L
Lab Code:	J1510030-021	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result		PQL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.17	U	1.0	0.17	1	12/19/15 14:27	
1,1,2,2-Tetrachloroethane	0.29	U	1.0	0.29	1	12/19/15 14:27	
1,1,2-Trichloroethane	0.40	U	1.0	0.40	1	12/19/15 14:27	
1,1-Dichloroethane (1,1-DCA)	0.30	U	1.0	0.30	1	12/19/15 14:27	
1,1-Dichloroethene (1,1-DCE)	0.16	U	1.0	0.16	1	12/19/15 14:27	
1,2-Dichlorobenzene	0.48	U	1.0	0.48	1	12/19/15 14:27	
1,2-Dichloroethane	**0.26**	**IV**	1.0	0.22	1	12/19/15 14:27	
1,2-Dichloropropane	0.19	U	1.0	0.19	1	12/19/15 14:27	
1,3-Dichlorobenzene	0.22	U	1.0	0.22	1	12/19/15 14:27	
1,4-Dichlorobenzene	0.16	U	1.0	0.16	1	12/19/15 14:27	
Bromochloromethane	0.27	U	5.0	0.27	1	12/19/15 14:27	
Bromodichloromethane	0.22	U	1.0	0.22	1	12/19/15 14:27	
Bromoform	0.42	U	2.0	0.42	1	12/19/15 14:27	
Bromomethane	0.23	U	5.0	0.23	1	12/19/15 14:27	
Carbon Tetrachloride	0.34	U	1.0	0.34	1	12/19/15 14:27	
Chlorobenzene	0.16	U	1.0	0.16	1	12/19/15 14:27	
Chloroethane	0.52	U	5.0	0.52	1	12/19/15 14:27	
Chloroform	0.35	U	1.0	0.35	1	12/19/15 14:27	
Chloromethane	0.36	U	1.0	0.36	1	12/19/15 14:27	
cis-1,2-Dichloroethene	**2.1**		1.0	0.36	1	12/19/15 14:27	
cis-1,3-Dichloropropene	0.20	U	1.0	0.20	1	12/19/15 14:27	
Dibromochloromethane	0.21	U	1.0	0.21	1	12/19/15 14:27	
Dichlorodifluoromethane	0.23	U	20	0.23	1	12/19/15 14:27	
Methylene Chloride	0.21	U	5.0	0.21	1	12/19/15 14:27	
Tetrachloroethene (PCE)	0.22	U	1.0	0.22	1	12/19/15 14:27	
trans-1,2-Dichloroethene	**2.0**		1.0	0.19	1	12/19/15 14:27	
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	1	12/19/15 14:27	
Trichloroethene (TCE)	0.36	U	1.0	0.36	1	12/19/15 14:27	
Trichlorofluoromethane	0.24	U	20	0.24	1	12/19/15 14:27	
Vinyl Chloride	**7.6**		1.0	0.36	1	12/19/15 14:27	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	119	72 - 121	12/19/15 14:27	
4-Bromofluorobenzene	88	86 - 113	12/19/15 14:27	
Dibromofluoromethane	112	86 - 112	12/19/15 14:27	
Toluene-d8	102	88 - 115	12/19/15 14:27	

Client:	GeoSyntec Consultants	**Service Request:**	J1510030
Project:	Wilson Corners/FR0743C-20	**Date Collected:**	12/15/15 15:31
Sample Matrix:	Water	**Date Received:**	12/18/15 08:25
Sample Name:	WILC-NPSH-MW0022-031.5-20151215	**Units:**	ug/L
Lab Code:	J1510030-022	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	12/19/15 14:50	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	12/19/15 14:50	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	12/19/15 14:50	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	12/19/15 14:50	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	12/19/15 14:50	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	12/19/15 14:50	
1,2-Dichloroethane	**0.26 IV**	1.0	0.22	1	12/19/15 14:50	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	12/19/15 14:50	
1,3-Dichlorobenzene	0.22 U	1.0	0.22	1	12/19/15 14:50	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	12/19/15 14:50	
Bromochloromethane	0.27 U	5.0	0.27	1	12/19/15 14:50	
Bromodichloromethane	0.22 U	1.0	0.22	1	12/19/15 14:50	
Bromoform	0.42 U	2.0	0.42	1	12/19/15 14:50	
Bromomethane	0.23 U	5.0	0.23	1	12/19/15 14:50	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	12/19/15 14:50	
Chlorobenzene	0.16 U	1.0	0.16	1	12/19/15 14:50	
Chloroethane	0.52 U	5.0	0.52	1	12/19/15 14:50	
Chloroform	0.35 U	1.0	0.35	1	12/19/15 14:50	
Chloromethane	0.36 U	1.0	0.36	1	12/19/15 14:50	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	12/19/15 14:50	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	12/19/15 14:50	
Dibromochloromethane	0.21 U	1.0	0.21	1	12/19/15 14:50	
Dichlorodifluoromethane	0.23 U	20	0.23	1	12/19/15 14:50	
Methylene Chloride	0.21 U	5.0	0.21	1	12/19/15 14:50	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	12/19/15 14:50	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	12/19/15 14:50	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	12/19/15 14:50	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	12/19/15 14:50	
Trichlorofluoromethane	0.24 U	20	0.24	1	12/19/15 14:50	
Vinyl Chloride	0.36 U	1.0	0.36	1	12/19/15 14:50	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	118	72 - 121	12/19/15 14:50	
4-Bromofluorobenzene	86	86 - 113	12/19/15 14:50	
Dibromofluoromethane	111	86 - 112	12/19/15 14:50	
Toluene-d8	101	88 - 115	12/19/15 14:50	

Client:	GeoSyntec Consultants	**Service Request:**	J1510030
Project:	Wilson Corners/FR0743C-20	**Date Collected:**	12/15/15 08:50
Sample Matrix:	Water	**Date Received:**	12/18/15 08:25
Sample Name:	WILC-MW0057I-031.5-20151215	**Units:**	ug/L
Lab Code:	J1510030-023	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	12/23/15 10:18	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	12/23/15 10:18	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	12/23/15 10:18	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	12/23/15 10:18	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	12/23/15 10:18	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	12/23/15 10:18	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	12/23/15 10:18	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	12/23/15 10:18	
1,3-Dichlorobenzene	0.22 U	1.0	0.22	1	12/23/15 10:18	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	12/23/15 10:18	
Bromochloromethane	0.27 U	5.0	0.27	1	12/23/15 10:18	
Bromodichloromethane	0.22 U	1.0	0.22	1	12/23/15 10:18	
Bromoform	0.42 U	2.0	0.42	1	12/23/15 10:18	
Bromomethane	0.23 U	5.0	0.23	1	12/23/15 10:18	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	12/23/15 10:18	
Chlorobenzene	0.16 U	1.0	0.16	1	12/23/15 10:18	
Chloroethane	0.52 U	5.0	0.52	1	12/23/15 10:18	*
Chloroform	0.35 U	1.0	0.35	1	12/23/15 10:18	
Chloromethane	0.36 U	1.0	0.36	1	12/23/15 10:18	
cis-1,2-Dichloroethene	**0.55 IV**	1.0	0.36	1	12/23/15 10:18	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	12/23/15 10:18	
Dibromochloromethane	0.21 U	1.0	0.21	1	12/23/15 10:18	
Dichlorodifluoromethane	0.23 U	20	0.23	1	12/23/15 10:18	
Methylene Chloride	0.21 U	5.0	0.21	1	12/23/15 10:18	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	12/23/15 10:18	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	12/23/15 10:18	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	12/23/15 10:18	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	12/23/15 10:18	
Trichlorofluoromethane	0.24 U	20	0.24	1	12/23/15 10:18	*
Vinyl Chloride	0.36 U	1.0	0.36	1	12/23/15 10:18	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	119	72 - 121	12/23/15 10:18	
4-Bromofluorobenzene	83	86 - 113	12/23/15 10:18	*
Dibromofluoromethane	115	86 - 112	12/23/15 10:18	*
Toluene-d8	102	88 - 115	12/23/15 10:18	

Client:	GeoSyntec Consultants	**Service Request:**	J1510030
Project:	Wilson Corners/FR0743C-20	**Date Collected:**	12/16/15 09:19
Sample Matrix:	Water	**Date Received:**	12/18/15 08:25
Sample Name:	WILC-MW0060I-031.5-20151216	**Units:**	ug/L
Lab Code:	J1510030-024	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result		PQL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	8.5	U	50	8.5	50	12/21/15 21:13	
1,1,2,2-Tetrachloroethane	15	U	50	15	50	12/21/15 21:13	
1,1,2-Trichloroethane	20	U	50	20	50	12/21/15 21:13	
1,1-Dichloroethane (1,1-DCA)	15	U	50	15	50	12/21/15 21:13	
1,1-Dichloroethene (1,1-DCE)	8.0	U	50	8.0	50	12/21/15 21:13	
1,2-Dichlorobenzene	24	U	50	24	50	12/21/15 21:13	
1,2-Dichloroethane	**12**	**I**	50	11	50	12/21/15 21:13	
1,2-Dichloropropane	9.5	U	50	9.5	50	12/21/15 21:13	
1,3-Dichlorobenzene	11	U	50	11	50	12/21/15 21:13	
1,4-Dichlorobenzene	8.0	U	50	8.0	50	12/21/15 21:13	
Bromochloromethane	14	U	250	14	50	12/21/15 21:13	
Bromodichloromethane	11	U	50	11	50	12/21/15 21:13	
Bromoform	21	U	100	21	50	12/21/15 21:13	
Bromomethane	12	U	250	12	50	12/21/15 21:13	
Carbon Tetrachloride	17	U	50	17	50	12/21/15 21:13	
Chlorobenzene	8.0	U	50	8.0	50	12/21/15 21:13	
Chloroethane	26	U	250	26	50	12/21/15 21:13	
Chloroform	18	U	50	18	50	12/21/15 21:13	
Chloromethane	18	U	50	18	50	12/21/15 21:13	
cis-1,2-Dichloroethene	**130**		50	18	50	12/21/15 21:13	
cis-1,3-Dichloropropene	10	U	50	10	50	12/21/15 21:13	
Dibromochloromethane	11	U	50	11	50	12/21/15 21:13	
Dichlorodifluoromethane	12	U	1000	12	50	12/21/15 21:13	
Methylene Chloride	**34**	**I**	250	11	50	12/21/15 21:13	
Tetrachloroethene (PCE)	11	U	50	11	50	12/21/15 21:13	
trans-1,2-Dichloroethene	9.5	U	50	9.5	50	12/21/15 21:13	
trans-1,3-Dichloropropene	12	U	50	12	50	12/21/15 21:13	
Trichloroethene (TCE)	18	U	50	18	50	12/21/15 21:13	
Trichlorofluoromethane	12	U	1000	12	50	12/21/15 21:13	
Vinyl Chloride	**1100**		50	18	50	12/21/15 21:13	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	119	72 - 121	12/21/15 21:13	
4-Bromofluorobenzene	84	86 - 113	12/21/15 21:13	*
Dibromofluoromethane	112	86 - 112	12/21/15 21:13	
Toluene-d8	102	88 - 115	12/21/15 21:13	

Client:	GeoSyntec Consultants	**Service Request:**	J1510030
Project:	Wilson Corners/FR0743C-20	**Date Collected:**	12/15/15 09:27
Sample Matrix:	Water	**Date Received:**	12/18/15 08:25
Sample Name:	WILC-MW0062-031.5-20151215	**Units:**	ug/L
Lab Code:	J1510030-025	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result		PQL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	8.5	U	50	8.5	50	12/21/15 21:38	
1,1,2,2-Tetrachloroethane	15	U	50	15	50	12/21/15 21:38	
1,1,2-Trichloroethane	20	U	50	20	50	12/21/15 21:38	
1,1-Dichloroethane (1,1-DCA)	15	U	50	15	50	12/21/15 21:38	
1,1-Dichloroethene (1,1-DCE)	**14**	**I**	50	8.0	50	12/21/15 21:38	
1,2-Dichlorobenzene	24	U	50	24	50	12/21/15 21:38	
1,2-Dichloroethane	11	U	50	11	50	12/21/15 21:38	
1,2-Dichloropropane	9.5	U	50	9.5	50	12/21/15 21:38	
1,3-Dichlorobenzene	11	U	50	11	50	12/21/15 21:38	
1,4-Dichlorobenzene	8.0	U	50	8.0	50	12/21/15 21:38	
Bromochloromethane	14	U	250	14	50	12/21/15 21:38	
Bromodichloromethane	11	U	50	11	50	12/21/15 21:38	
Bromoform	21	U	100	21	50	12/21/15 21:38	
Bromomethane	12	U	250	12	50	12/21/15 21:38	
Carbon Tetrachloride	17	U	50	17	50	12/21/15 21:38	
Chlorobenzene	8.0	U	50	8.0	50	12/21/15 21:38	
Chloroethane	26	U	250	26	50	12/21/15 21:38	
Chloroform	18	U	50	18	50	12/21/15 21:38	
Chloromethane	18	U	50	18	50	12/21/15 21:38	
cis-1,2-Dichloroethene	**22000**		100	36	100	12/28/15 15:26	
cis-1,3-Dichloropropene	10	U	50	10	50	12/21/15 21:38	
Dibromochloromethane	11	U	50	11	50	12/21/15 21:38	
Dichlorodifluoromethane	12	U	1000	12	50	12/21/15 21:38	
Methylene Chloride	**33**	**I**	250	11	50	12/21/15 21:38	
Tetrachloroethene (PCE)	11	U	50	11	50	12/21/15 21:38	
trans-1,2-Dichloroethene	**23**	**I**	50	9.5	50	12/21/15 21:38	
trans-1,3-Dichloropropene	12	U	50	12	50	12/21/15 21:38	
Trichloroethene (TCE)	**1300**		50	18	50	12/21/15 21:38	
Trichlorofluoromethane	12	U	1000	12	50	12/21/15 21:38	
Vinyl Chloride	**2000**		50	18	50	12/21/15 21:38	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	118	72 - 121	12/21/15 21:38	
4-Bromofluorobenzene	84	86 - 113	12/21/15 21:38	*
Dibromofluoromethane	112	86 - 112	12/21/15 21:38	
Toluene-d8	100	88 - 115	12/21/15 21:38	

Client:	GeoSyntec Consultants	**Service Request:**	J1510030
Project:	Wilson Corners/FR0743C-20	**Date Collected:**	12/15/15 10:06
Sample Matrix:	Water	**Date Received:**	12/18/15 08:25
Sample Name:	WILC-MW0065-031.5-20151215	**Units:**	ug/L
Lab Code:	J1510030-026	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	12/23/15 11:27	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	12/23/15 11:27	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	12/23/15 11:27	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	12/23/15 11:27	
1,1-Dichloroethene (1,1-DCE)	0.49 U	1.0	0.49	1	12/23/15 11:27	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	12/23/15 11:27	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	12/23/15 11:27	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	12/23/15 11:27	
1,3-Dichlorobenzene	0.22 U	1.0	0.22	1	12/23/15 11:27	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	12/23/15 11:27	
Bromochloromethane	0.27 U	5.0	0.27	1	12/23/15 11:27	
Bromodichloromethane	0.22 U	1.0	0.22	1	12/23/15 11:27	
Bromoform	0.42 U	2.0	0.42	1	12/23/15 11:27	
Bromomethane	0.23 U	5.0	0.23	1	12/23/15 11:27	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	12/23/15 11:27	
Chlorobenzene	0.16 U	1.0	0.16	1	12/23/15 11:27	
Chloroethane	0.52 U	5.0	0.52	1	12/23/15 11:27	*
Chloroform	0.35 U	1.0	0.35	1	12/23/15 11:27	
Chloromethane	0.36 U	1.0	0.36	1	12/23/15 11:27	
cis-1,2-Dichloroethene	86 U	86	86	1	12/23/15 11:27	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	12/23/15 11:27	
Dibromochloromethane	0.42 U	1.0	0.42	1	12/23/15 11:27	
Dichlorodifluoromethane	0.23 U	20	0.23	1	12/23/15 11:27	
Methylene Chloride	0.21 U	5.0	0.21	1	12/23/15 11:27	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	12/23/15 11:27	
trans-1,2-Dichloroethene	**10**	1.0	0.19	1	12/23/15 11:27	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	12/23/15 11:27	
Trichloroethene (TCE)	0.68 U	1.0	0.68	1	12/23/15 11:27	
Trichlorofluoromethane	0.24 U	20	0.24	1	12/23/15 11:27	*
Vinyl Chloride	**520**	25	9.0	25	12/21/15 15:15	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	117	72 - 121	12/23/15 11:27	#
4-Bromofluorobenzene	83	86 - 113	12/23/15 11:27	#
Dibromofluoromethane	114	86 - 112	12/23/15 11:27	#
Toluene-d8	102	88 - 115	12/23/15 11:27	#

Client:	GeoSyntec Consultants	**Service Request:**	J1510030
Project:	Wilson Corners/FR0743C-20	**Date Collected:**	12/16/15 10:42
Sample Matrix:	Water	**Date Received:**	12/18/15 08:25
Sample Name:	WILC-MW0072-031.5-20151216	**Units:**	ug/L
Lab Code:	J1510030-027	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	12/19/15 15:13	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	12/19/15 15:13	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	12/19/15 15:13	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	12/19/15 15:13	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	12/19/15 15:13	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	12/19/15 15:13	
1,2-Dichloroethane	**0.23 IV**	1.0	0.22	1	12/19/15 15:13	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	12/19/15 15:13	
1,3-Dichlorobenzene	0.22 U	1.0	0.22	1	12/19/15 15:13	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	12/19/15 15:13	
Bromochloromethane	0.27 U	5.0	0.27	1	12/19/15 15:13	
Bromodichloromethane	0.22 U	1.0	0.22	1	12/19/15 15:13	
Bromoform	0.42 U	2.0	0.42	1	12/19/15 15:13	
Bromomethane	0.23 U	5.0	0.23	1	12/19/15 15:13	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	12/19/15 15:13	
Chlorobenzene	0.16 U	1.0	0.16	1	12/19/15 15:13	
Chloroethane	0.52 U	5.0	0.52	1	12/19/15 15:13	
Chloroform	0.35 U	1.0	0.35	1	12/19/15 15:13	
Chloromethane	0.36 U	1.0	0.36	1	12/19/15 15:13	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	12/19/15 15:13	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	12/19/15 15:13	
Dibromochloromethane	0.21 U	1.0	0.21	1	12/19/15 15:13	
Dichlorodifluoromethane	0.23 U	20	0.23	1	12/19/15 15:13	
Methylene Chloride	0.21 U	5.0	0.21	1	12/19/15 15:13	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	12/19/15 15:13	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	12/19/15 15:13	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	12/19/15 15:13	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	12/19/15 15:13	
Trichlorofluoromethane	0.24 U	20	0.24	1	12/19/15 15:13	
Vinyl Chloride	0.36 U	1.0	0.36	1	12/19/15 15:13	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	117	72 - 121	12/19/15 15:13	
4-Bromofluorobenzene	87	86 - 113	12/19/15 15:13	
Dibromofluoromethane	111	86 - 112	12/19/15 15:13	
Toluene-d8	103	88 - 115	12/19/15 15:13	

Client:	GeoSyntec Consultants	**Service Request:**	J1510030
Project:	Wilson Corners/FR0743C-20	**Date Collected:**	12/15/15 10:28
Sample Matrix:	Water	**Date Received:**	12/18/15 08:25
Sample Name:	WILC-MW0080-031.5-20151215	**Units:**	ug/L
Lab Code:	J1510030-028	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result		PQL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.86	U	5.0	0.86	5	12/19/15 18:19	
1,1,2,2-Tetrachloroethane	1.5	U	5.0	1.5	5	12/19/15 18:19	
1,1,2-Trichloroethane	2.0	U	5.0	2.0	5	12/19/15 18:19	
1,1-Dichloroethane (1,1-DCA)	1.5	U	5.0	1.5	5	12/19/15 18:19	
1,1-Dichloroethene (1,1-DCE)	0.80	U	5.0	0.80	5	12/19/15 18:19	
1,2-Dichlorobenzene	2.4	U	5.0	2.4	5	12/19/15 18:19	
1,2-Dichloroethane	**1.3**	**IV**	5.0	1.1	5	12/19/15 18:19	
1,2-Dichloropropane	0.95	U	5.0	0.95	5	12/19/15 18:19	
1,3-Dichlorobenzene	1.1	U	5.0	1.1	5	12/19/15 18:19	
1,4-Dichlorobenzene	0.80	U	5.0	0.80	5	12/19/15 18:19	
Bromochloromethane	1.4	U	25	1.4	5	12/19/15 18:19	
Bromodichloromethane	1.1	U	5.0	1.1	5	12/19/15 18:19	
Bromoform	2.1	U	10	2.1	5	12/19/15 18:19	
Bromomethane	1.2	U	25	1.2	5	12/19/15 18:19	
Carbon Tetrachloride	1.8	U	5.0	1.8	5	12/19/15 18:19	
Chlorobenzene	0.80	U	5.0	0.80	5	12/19/15 18:19	
Chloroethane	2.6	U	25	2.6	5	12/19/15 18:19	
Chloroform	1.8	U	5.0	1.8	5	12/19/15 18:19	
Chloromethane	1.8	U	5.0	1.8	5	12/19/15 18:19	
cis-1,2-Dichloroethene	**130**		5.0	1.8	5	12/19/15 18:19	
cis-1,3-Dichloropropene	1.0	U	5.0	1.0	5	12/19/15 18:19	
Dibromochloromethane	1.1	U	5.0	1.1	5	12/19/15 18:19	
Dichlorodifluoromethane	1.2	U	100	1.2	5	12/19/15 18:19	
Methylene Chloride	**5.3**	**I**	25	1.1	5	12/19/15 18:19	
Tetrachloroethene (PCE)	1.1	U	5.0	1.1	5	12/19/15 18:19	
trans-1,2-Dichloroethene	**18**		5.0	0.95	5	12/19/15 18:19	
trans-1,3-Dichloropropene	1.2	U	5.0	1.2	5	12/19/15 18:19	
Trichloroethene (TCE)	1.8	U	5.0	1.8	5	12/19/15 18:19	
Trichlorofluoromethane	1.2	U	100	1.2	5	12/19/15 18:19	
Vinyl Chloride	**1500**		5.0	1.8	5	12/19/15 18:19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	119	72 - 121	12/19/15 18:19	
4-Bromofluorobenzene	86	86 - 113	12/19/15 18:19	
Dibromofluoromethane	112	86 - 112	12/19/15 18:19	
Toluene-d8	101	88 - 115	12/19/15 18:19	

Client:	GeoSyntec Consultants	**Service Request:**	J1510030
Project:	Wilson Corners/FR0743C-20	**Date Collected:**	12/15/15 11:34
Sample Matrix:	Water	**Date Received:**	12/18/15 08:25
Sample Name:	WILC-MW0088-031.5-20151215	**Units:**	ug/L
Lab Code:	J1510030-029	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	12/19/15 15:36	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	12/19/15 15:36	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	12/19/15 15:36	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	12/19/15 15:36	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	12/19/15 15:36	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	12/19/15 15:36	
1,2-Dichloroethane	**0.32 IV**	1.0	0.22	1	12/19/15 15:36	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	12/19/15 15:36	
1,3-Dichlorobenzene	0.22 U	1.0	0.22	1	12/19/15 15:36	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	12/19/15 15:36	
Bromochloromethane	0.27 U	5.0	0.27	1	12/19/15 15:36	
Bromodichloromethane	0.22 U	1.0	0.22	1	12/19/15 15:36	
Bromoform	0.42 U	2.0	0.42	1	12/19/15 15:36	
Bromomethane	0.23 U	5.0	0.23	1	12/19/15 15:36	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	12/19/15 15:36	
Chlorobenzene	0.16 U	1.0	0.16	1	12/19/15 15:36	
Chloroethane	0.52 U	5.0	0.52	1	12/19/15 15:36	
Chloroform	0.35 U	1.0	0.35	1	12/19/15 15:36	
Chloromethane	0.36 U	1.0	0.36	1	12/19/15 15:36	
cis-1,2-Dichloroethene	**0.44 I**	1.0	0.36	1	12/19/15 15:36	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	12/19/15 15:36	
Dibromochloromethane	0.21 U	1.0	0.21	1	12/19/15 15:36	
Dichlorodifluoromethane	0.23 U	20	0.23	1	12/19/15 15:36	
Methylene Chloride	0.21 U	5.0	0.21	1	12/19/15 15:36	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	12/19/15 15:36	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	12/19/15 15:36	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	12/19/15 15:36	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	12/19/15 15:36	
Trichlorofluoromethane	0.24 U	20	0.24	1	12/19/15 15:36	
Vinyl Chloride	**3.8**	1.0	0.36	1	12/19/15 15:36	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	119	72 - 121	12/19/15 15:36	
4-Bromofluorobenzene	84	86 - 113	12/19/15 15:36	*
Dibromofluoromethane	113	86 - 112	12/19/15 15:36	*
Toluene-d8	101	88 - 115	12/19/15 15:36	

Client:	GeoSyntec Consultants	**Service Request:**	J1510030
Project:	Wilson Corners/FR0743C-20	**Date Collected:**	12/15/15 11:16
Sample Matrix:	Water	**Date Received:**	12/18/15 08:25
Sample Name:	WILC-MW0090-031.5-20151215	**Units:**	ug/L
Lab Code:	J1510030-030	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	12/19/15 15:59	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	12/19/15 15:59	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	12/19/15 15:59	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	12/19/15 15:59	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	12/19/15 15:59	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	12/19/15 15:59	
1,2-Dichloroethane	**0.26 IV**	1.0	0.22	1	12/19/15 15:59	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	12/19/15 15:59	
1,3-Dichlorobenzene	0.22 U	1.0	0.22	1	12/19/15 15:59	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	12/19/15 15:59	
Bromochloromethane	0.27 U	5.0	0.27	1	12/19/15 15:59	
Bromodichloromethane	0.22 U	1.0	0.22	1	12/19/15 15:59	
Bromoform	0.42 U	2.0	0.42	1	12/19/15 15:59	
Bromomethane	0.23 U	5.0	0.23	1	12/19/15 15:59	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	12/19/15 15:59	
Chlorobenzene	0.16 U	1.0	0.16	1	12/19/15 15:59	
Chloroethane	0.52 U	5.0	0.52	1	12/19/15 15:59	
Chloroform	0.35 U	1.0	0.35	1	12/19/15 15:59	
Chloromethane	0.36 U	1.0	0.36	1	12/19/15 15:59	
cis-1,2-Dichloroethene	**6.2**	1.0	0.36	1	12/19/15 15:59	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	12/19/15 15:59	
Dibromochloromethane	0.21 U	1.0	0.21	1	12/19/15 15:59	
Dichlorodifluoromethane	0.23 U	20	0.23	1	12/19/15 15:59	
Methylene Chloride	0.21 U	5.0	0.21	1	12/19/15 15:59	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	12/19/15 15:59	
trans-1,2-Dichloroethene	**1.0**	1.0	0.19	1	12/19/15 15:59	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	12/19/15 15:59	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	12/19/15 15:59	
Trichlorofluoromethane	0.24 U	20	0.24	1	12/19/15 15:59	
Vinyl Chloride	**34**	1.0	0.36	1	12/19/15 15:59	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	119	72 - 121	12/19/15 15:59	
4-Bromofluorobenzene	86	86 - 113	12/19/15 15:59	
Dibromofluoromethane	114	86 - 112	12/19/15 15:59	*
Toluene-d8	102	88 - 115	12/19/15 15:59	

Client:	GeoSyntec Consultants	**Service Request:**	J1510030
Project:	Wilson Corners/FR0743C-20	**Date Collected:**	12/15/15 16:03
Sample Matrix:	Water	**Date Received:**	12/18/15 08:25
Sample Name:	WILC-MW0097-031.5-20151215	**Units:**	ug/L
Lab Code:	J1510030-031	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	12/19/15 16:22	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	12/19/15 16:22	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	12/19/15 16:22	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	12/19/15 16:22	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	12/19/15 16:22	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	12/19/15 16:22	
1,2-Dichloroethane	**0.25 IV**	1.0	0.22	1	12/19/15 16:22	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	12/19/15 16:22	
1,3-Dichlorobenzene	0.22 U	1.0	0.22	1	12/19/15 16:22	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	12/19/15 16:22	
Bromochloromethane	0.27 U	5.0	0.27	1	12/19/15 16:22	
Bromodichloromethane	0.22 U	1.0	0.22	1	12/19/15 16:22	
Bromoform	0.42 U	2.0	0.42	1	12/19/15 16:22	
Bromomethane	0.23 U	5.0	0.23	1	12/19/15 16:22	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	12/19/15 16:22	
Chlorobenzene	0.16 U	1.0	0.16	1	12/19/15 16:22	
Chloroethane	0.52 U	5.0	0.52	1	12/19/15 16:22	
Chloroform	0.35 U	1.0	0.35	1	12/19/15 16:22	
Chloromethane	0.36 U	1.0	0.36	1	12/19/15 16:22	
cis-1,2-Dichloroethene	**0.52 I**	1.0	0.36	1	12/19/15 16:22	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	12/19/15 16:22	
Dibromochloromethane	0.21 U	1.0	0.21	1	12/19/15 16:22	
Dichlorodifluoromethane	0.23 U	20	0.23	1	12/19/15 16:22	
Methylene Chloride	0.21 U	5.0	0.21	1	12/19/15 16:22	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	12/19/15 16:22	
trans-1,2-Dichloroethene	**0.68 I**	1.0	0.19	1	12/19/15 16:22	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	12/19/15 16:22	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	12/19/15 16:22	
Trichlorofluoromethane	0.24 U	20	0.24	1	12/19/15 16:22	
Vinyl Chloride	**1.8**	1.0	0.36	1	12/19/15 16:22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	119	72 - 121	12/19/15 16:22	
4-Bromofluorobenzene	88	86 - 113	12/19/15 16:22	
Dibromofluoromethane	112	86 - 112	12/19/15 16:22	
Toluene-d8	100	88 - 115	12/19/15 16:22	

Client:	GeoSyntec Consultants	**Service Request:**	J1510030
Project:	Wilson Corners/FR0743C-20	**Date Collected:**	12/15/15 14:37
Sample Matrix:	Water	**Date Received:**	12/18/15 08:25
Sample Name:	WILC-NPSH-MW0025-042.5-20151215	**Units:**	ug/L
Lab Code:	J1510030-032	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	12/19/15 16:45	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	12/19/15 16:45	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	12/19/15 16:45	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	12/19/15 16:45	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	12/19/15 16:45	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	12/19/15 16:45	
1,2-Dichloroethane	**0.24 IV**	1.0	0.22	1	12/19/15 16:45	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	12/19/15 16:45	
1,3-Dichlorobenzene	0.22 U	1.0	0.22	1	12/19/15 16:45	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	12/19/15 16:45	
Bromochloromethane	0.27 U	5.0	0.27	1	12/19/15 16:45	
Bromodichloromethane	0.22 U	1.0	0.22	1	12/19/15 16:45	
Bromoform	0.42 U	2.0	0.42	1	12/19/15 16:45	
Bromomethane	0.23 U	5.0	0.23	1	12/19/15 16:45	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	12/19/15 16:45	
Chlorobenzene	0.16 U	1.0	0.16	1	12/19/15 16:45	
Chloroethane	0.52 U	5.0	0.52	1	12/19/15 16:45	
Chloroform	0.35 U	1.0	0.35	1	12/19/15 16:45	
Chloromethane	0.36 U	1.0	0.36	1	12/19/15 16:45	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	12/19/15 16:45	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	12/19/15 16:45	
Dibromochloromethane	0.21 U	1.0	0.21	1	12/19/15 16:45	
Dichlorodifluoromethane	0.23 U	20	0.23	1	12/19/15 16:45	
Methylene Chloride	0.21 U	5.0	0.21	1	12/19/15 16:45	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	12/19/15 16:45	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	12/19/15 16:45	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	12/19/15 16:45	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	12/19/15 16:45	
Trichlorofluoromethane	0.24 U	20	0.24	1	12/19/15 16:45	
Vinyl Chloride	**1.1**	1.0	0.36	1	12/19/15 16:45	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	117	72 - 121	12/19/15 16:45	
4-Bromofluorobenzene	87	86 - 113	12/19/15 16:45	
Dibromofluoromethane	112	86 - 112	12/19/15 16:45	
Toluene-d8	101	88 - 115	12/19/15 16:45	

Client:	GeoSyntec Consultants	**Service Request:**	J1510030
Project:	Wilson Corners/FR0743C-20	**Date Collected:**	12/15/15 14:01
Sample Matrix:	Water	**Date Received:**	12/18/15 08:25
Sample Name:	WILC-NPSH-MW0039-042.5-20151215	**Units:**	ug/L
Lab Code:	J1510030-033	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	12/19/15 17:08	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	12/19/15 17:08	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	12/19/15 17:08	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	12/19/15 17:08	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	12/19/15 17:08	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	12/19/15 17:08	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	12/19/15 17:08	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	12/19/15 17:08	
1,3-Dichlorobenzene	0.22 U	1.0	0.22	1	12/19/15 17:08	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	12/19/15 17:08	
Bromochloromethane	0.27 U	5.0	0.27	1	12/19/15 17:08	
Bromodichloromethane	0.22 U	1.0	0.22	1	12/19/15 17:08	
Bromoform	0.42 U	2.0	0.42	1	12/19/15 17:08	
Bromomethane	0.23 U	5.0	0.23	1	12/19/15 17:08	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	12/19/15 17:08	
Chlorobenzene	0.16 U	1.0	0.16	1	12/19/15 17:08	
Chloroethane	0.52 U	5.0	0.52	1	12/19/15 17:08	
Chloroform	0.35 U	1.0	0.35	1	12/19/15 17:08	
Chloromethane	0.36 U	1.0	0.36	1	12/19/15 17:08	
cis-1,2-Dichloroethene	**0.80 I**	1.0	0.36	1	12/19/15 17:08	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	12/19/15 17:08	
Dibromochloromethane	0.21 U	1.0	0.21	1	12/19/15 17:08	
Dichlorodifluoromethane	0.23 U	20	0.23	1	12/19/15 17:08	
Methylene Chloride	0.21 U	5.0	0.21	1	12/19/15 17:08	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	12/19/15 17:08	
trans-1,2-Dichloroethene	**1.1**	1.0	0.19	1	12/19/15 17:08	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	12/19/15 17:08	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	12/19/15 17:08	
Trichlorofluoromethane	0.24 U	20	0.24	1	12/19/15 17:08	
Vinyl Chloride	**15**	1.0	0.36	1	12/19/15 17:08	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	118	72 - 121	12/19/15 17:08	
4-Bromofluorobenzene	94	86 - 113	12/19/15 17:08	
Dibromofluoromethane	113	86 - 112	12/19/15 17:08	*
Toluene-d8	100	88 - 115	12/19/15 17:08	

Client:	GeoSyntec Consultants	**Service Request:**	J1510030
Project:	Wilson Corners/FR0743C-20	**Date Collected:**	12/15/15 09:10
Sample Matrix:	Water	**Date Received:**	12/18/15 08:25
Sample Name:	WILC-MW0057D-042.5-20151215	**Units:**	ug/L
Lab Code:	J1510030-034	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	12/23/15 10:41	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	12/23/15 10:41	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	12/23/15 10:41	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	12/23/15 10:41	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	12/23/15 10:41	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	12/23/15 10:41	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	12/23/15 10:41	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	12/23/15 10:41	
1,3-Dichlorobenzene	0.22 U	1.0	0.22	1	12/23/15 10:41	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	12/23/15 10:41	
Bromochloromethane	0.27 U	5.0	0.27	1	12/23/15 10:41	
Bromodichloromethane	0.22 U	1.0	0.22	1	12/23/15 10:41	
Bromoform	0.42 U	2.0	0.42	1	12/23/15 10:41	
Bromomethane	0.23 U	5.0	0.23	1	12/23/15 10:41	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	12/23/15 10:41	
Chlorobenzene	0.16 U	1.0	0.16	1	12/23/15 10:41	
Chloroethane	0.52 U	5.0	0.52	1	12/23/15 10:41	*
Chloroform	0.35 U	1.0	0.35	1	12/23/15 10:41	
Chloromethane	0.36 U	1.0	0.36	1	12/23/15 10:41	
cis-1,2-Dichloroethene	**0.58 IV**	1.0	0.36	1	12/23/15 10:41	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	12/23/15 10:41	
Dibromochloromethane	0.21 U	1.0	0.21	1	12/23/15 10:41	
Dichlorodifluoromethane	0.23 U	20	0.23	1	12/23/15 10:41	
Methylene Chloride	0.21 U	5.0	0.21	1	12/23/15 10:41	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	12/23/15 10:41	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	12/23/15 10:41	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	12/23/15 10:41	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	12/23/15 10:41	
Trichlorofluoromethane	0.24 U	20	0.24	1	12/23/15 10:41	*
Vinyl Chloride	0.36 U	1.0	0.36	1	12/23/15 10:41	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	119	72 - 121	12/23/15 10:41	
4-Bromofluorobenzene	83	86 - 113	12/23/15 10:41	*
Dibromofluoromethane	114	86 - 112	12/23/15 10:41	*
Toluene-d8	101	88 - 115	12/23/15 10:41	

Client:	GeoSyntec Consultants	**Service Request:**	J1510030
Project:	Wilson Corners/FR0743C-20	**Date Collected:**	12/15/15 09:53
Sample Matrix:	Water	**Date Received:**	12/18/15 08:25
Sample Name:	WILC-MW0094-042.5-20151215	**Units:**	ug/L
Lab Code:	J1510030-035	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	12/23/15 11:04	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	12/23/15 11:04	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	12/23/15 11:04	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	12/23/15 11:04	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	12/23/15 11:04	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	12/23/15 11:04	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	12/23/15 11:04	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	12/23/15 11:04	
1,3-Dichlorobenzene	0.22 U	1.0	0.22	1	12/23/15 11:04	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	12/23/15 11:04	
Bromochloromethane	0.27 U	5.0	0.27	1	12/23/15 11:04	
Bromodichloromethane	0.22 U	1.0	0.22	1	12/23/15 11:04	
Bromoform	0.42 U	2.0	0.42	1	12/23/15 11:04	
Bromomethane	0.23 U	5.0	0.23	1	12/23/15 11:04	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	12/23/15 11:04	
Chlorobenzene	0.16 U	1.0	0.16	1	12/23/15 11:04	
Chloroethane	0.52 U	5.0	0.52	1	12/23/15 11:04	*
Chloroform	0.35 U	1.0	0.35	1	12/23/15 11:04	
Chloromethane	0.36 U	1.0	0.36	1	12/23/15 11:04	
cis-1,2-Dichloroethene	**0.50 IV**	1.0	0.36	1	12/23/15 11:04	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	12/23/15 11:04	
Dibromochloromethane	0.21 U	1.0	0.21	1	12/23/15 11:04	
Dichlorodifluoromethane	0.23 U	20	0.23	1	12/23/15 11:04	
Methylene Chloride	0.21 U	5.0	0.21	1	12/23/15 11:04	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	12/23/15 11:04	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	12/23/15 11:04	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	12/23/15 11:04	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	12/23/15 11:04	
Trichlorofluoromethane	0.24 U	20	0.24	1	12/23/15 11:04	*
Vinyl Chloride	0.36 U	1.0	0.36	1	12/23/15 11:04	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	119	72 - 121	12/23/15 11:04	
4-Bromofluorobenzene	84	86 - 113	12/23/15 11:04	*
Dibromofluoromethane	113	86 - 112	12/23/15 11:04	*
Toluene-d8	101	88 - 115	12/23/15 11:04	

Client:	GeoSyntec Consultants	**Service Request:**	J1510030
Project:	Wilson Corners/FR0743C-20	**Date Collected:**	12/16/15 10:53
Sample Matrix:	Water	**Date Received:**	12/18/15 08:25
Sample Name:	WILC-MW0118-042.5-20151216	**Units:**	ug/L
Lab Code:	J1510030-036	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	12/19/15 17:31	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	12/19/15 17:31	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	12/19/15 17:31	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	12/19/15 17:31	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	12/19/15 17:31	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	12/19/15 17:31	
1,2-Dichloroethane	**0.25 IV**	1.0	0.22	1	12/19/15 17:31	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	12/19/15 17:31	
1,3-Dichlorobenzene	0.22 U	1.0	0.22	1	12/19/15 17:31	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	12/19/15 17:31	
Bromochloromethane	0.27 U	5.0	0.27	1	12/19/15 17:31	
Bromodichloromethane	0.22 U	1.0	0.22	1	12/19/15 17:31	
Bromoform	0.42 U	2.0	0.42	1	12/19/15 17:31	
Bromomethane	0.23 U	5.0	0.23	1	12/19/15 17:31	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	12/19/15 17:31	
Chlorobenzene	0.16 U	1.0	0.16	1	12/19/15 17:31	
Chloroethane	0.52 U	5.0	0.52	1	12/19/15 17:31	
Chloroform	0.35 U	1.0	0.35	1	12/19/15 17:31	
Chloromethane	0.36 U	1.0	0.36	1	12/19/15 17:31	
cis-1,2-Dichloroethene	**0.48 I**	1.0	0.36	1	12/19/15 17:31	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	12/19/15 17:31	
Dibromochloromethane	0.21 U	1.0	0.21	1	12/19/15 17:31	
Dichlorodifluoromethane	0.23 U	20	0.23	1	12/19/15 17:31	
Methylene Chloride	0.21 U	5.0	0.21	1	12/19/15 17:31	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	12/19/15 17:31	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	12/19/15 17:31	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	12/19/15 17:31	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	12/19/15 17:31	
Trichlorofluoromethane	0.24 U	20	0.24	1	12/19/15 17:31	
Vinyl Chloride	**2.4**	1.0	0.36	1	12/19/15 17:31	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	119	72 - 121	12/19/15 17:31	
4-Bromofluorobenzene	87	86 - 113	12/19/15 17:31	
Dibromofluoromethane	114	86 - 112	12/19/15 17:31	*
Toluene-d8	101	88 - 115	12/19/15 17:31	

Client:	GeoSyntec Consultants	**Service Request:**	J1510030
Project:	Wilson Corners/FR0743C-20	**Date Collected:**	12/16/15 11:35
Sample Matrix:	Water	**Date Received:**	12/18/15 08:25
Sample Name:	WILC-MW0120-042.5-20151216	**Units:**	ug/L
Lab Code:	J1510030-037	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	12/19/15 17:54	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	12/19/15 17:54	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	12/19/15 17:54	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	12/19/15 17:54	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	12/19/15 17:54	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	12/19/15 17:54	
1,2-Dichloroethane	**0.27 IV**	1.0	0.22	1	12/19/15 17:54	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	12/19/15 17:54	
1,3-Dichlorobenzene	0.22 U	1.0	0.22	1	12/19/15 17:54	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	12/19/15 17:54	
Bromochloromethane	0.27 U	5.0	0.27	1	12/19/15 17:54	
Bromodichloromethane	0.22 U	1.0	0.22	1	12/19/15 17:54	
Bromoform	0.42 U	2.0	0.42	1	12/19/15 17:54	
Bromomethane	0.23 U	5.0	0.23	1	12/19/15 17:54	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	12/19/15 17:54	
Chlorobenzene	0.16 U	1.0	0.16	1	12/19/15 17:54	
Chloroethane	0.52 U	5.0	0.52	1	12/19/15 17:54	
Chloroform	0.35 U	1.0	0.35	1	12/19/15 17:54	
Chloromethane	0.36 U	1.0	0.36	1	12/19/15 17:54	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	12/19/15 17:54	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	12/19/15 17:54	
Dibromochloromethane	0.21 U	1.0	0.21	1	12/19/15 17:54	
Dichlorodifluoromethane	0.23 U	20	0.23	1	12/19/15 17:54	
Methylene Chloride	0.21 U	5.0	0.21	1	12/19/15 17:54	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	12/19/15 17:54	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	12/19/15 17:54	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	12/19/15 17:54	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	12/19/15 17:54	
Trichlorofluoromethane	0.24 U	20	0.24	1	12/19/15 17:54	
Vinyl Chloride	0.36 U	1.0	0.36	1	12/19/15 17:54	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	119	72 - 121	12/19/15 17:54	
4-Bromofluorobenzene	87	86 - 113	12/19/15 17:54	
Dibromofluoromethane	114	86 - 112	12/19/15 17:54	*
Toluene-d8	101	88 - 115	12/19/15 17:54	

Client:	GeoSyntec Consultants	**Service Request:**	J1510030
Project:	Wilson Corners/FR0743C-20	**Date Collected:**	12/15/15 12:58
Sample Matrix:	Water	**Date Received:**	12/18/15 08:25
Sample Name:	WILC-MW0078-067.5-20151215	**Units:**	ug/L
Lab Code:	J1510030-038	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result		PQL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	4.3	U	25	4.3	25	12/21/15 15:41	
1,1,2,2-Tetrachloroethane	7.3	U	25	7.3	25	12/21/15 15:41	
1,1,2-Trichloroethane	10	U	25	10	25	12/21/15 15:41	
1,1-Dichloroethane (1,1-DCA)	7.5	U	25	7.5	25	12/21/15 15:41	
1,1-Dichloroethene (1,1-DCE)	4.0	U	25	4.0	25	12/21/15 15:41	
1,2-Dichlorobenzene	12	U	25	12	25	12/21/15 15:41	
1,2-Dichloroethane	5.5	U	25	5.5	25	12/21/15 15:41	
1,2-Dichloropropane	4.8	U	25	4.8	25	12/21/15 15:41	
1,3-Dichlorobenzene	5.5	U	25	5.5	25	12/21/15 15:41	
1,4-Dichlorobenzene	4.0	U	25	4.0	25	12/21/15 15:41	
Bromochloromethane	6.8	U	130	6.8	25	12/21/15 15:41	
Bromodichloromethane	5.5	U	25	5.5	25	12/21/15 15:41	
Bromoform	11	U	50	11	25	12/21/15 15:41	
Bromomethane	5.8	U	130	5.8	25	12/21/15 15:41	
Carbon Tetrachloride	8.5	U	25	8.5	25	12/21/15 15:41	
Chlorobenzene	4.0	U	25	4.0	25	12/21/15 15:41	
Chloroethane	13	U	130	13	25	12/21/15 15:41	
Chloroform	8.8	U	25	8.8	25	12/21/15 15:41	
Chloromethane	9.0	U	25	9.0	25	12/21/15 15:41	
cis-1,2-Dichloroethene	**1100**		25	9.0	25	12/21/15 15:41	
cis-1,3-Dichloropropene	5.0	U	25	5.0	25	12/21/15 15:41	
Dibromochloromethane	5.3	U	25	5.3	25	12/21/15 15:41	
Dichlorodifluoromethane	5.8	U	500	5.8	25	12/21/15 15:41	
Methylene Chloride	**33**	**I**	130	5.3	25	12/21/15 15:41	
Tetrachloroethene (PCE)	5.5	U	25	5.5	25	12/21/15 15:41	
trans-1,2-Dichloroethene	4.8	U	25	4.8	25	12/21/15 15:41	
trans-1,3-Dichloropropene	5.8	U	25	5.8	25	12/21/15 15:41	
Trichloroethene (TCE)	9.0	U	25	9.0	25	12/21/15 15:41	
Trichlorofluoromethane	6.0	U	500	6.0	25	12/21/15 15:41	
Vinyl Chloride	**82**		25	9.0	25	12/21/15 15:41	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	119	72 - 121	12/21/15 15:41	
4-Bromofluorobenzene	85	86 - 113	12/21/15 15:41	*
Dibromofluoromethane	112	86 - 112	12/21/15 15:41	
Toluene-d8	100	88 - 115	12/21/15 15:41	

Client:	GeoSyntec Consultants	**Service Request:**	J1510030
Project:	Wilson Corners/FR0743C-20	**Date Collected:**	12/16/15 08:55
Sample Matrix:	Water	**Date Received:**	12/18/15 08:25
Sample Name:	WILC-MW0083-073.5-20151216	**Units:**	ug/L
Lab Code:	J1510030-039	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	12/29/15 14:34	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	12/29/15 14:34	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	12/29/15 14:34	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	12/29/15 14:34	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	12/29/15 14:34	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	12/29/15 14:34	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	12/29/15 14:34	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	12/29/15 14:34	
1,3-Dichlorobenzene	0.22 U	1.0	0.22	1	12/29/15 14:34	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	12/29/15 14:34	
Bromochloromethane	0.27 U	5.0	0.27	1	12/29/15 14:34	
Bromodichloromethane	0.22 U	1.0	0.22	1	12/29/15 14:34	
Bromoform	0.42 U	2.0	0.42	1	12/29/15 14:34	
Bromomethane	0.23 U	5.0	0.23	1	12/29/15 14:34	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	12/29/15 14:34	
Chlorobenzene	0.16 U	1.0	0.16	1	12/29/15 14:34	
Chloroethane	0.52 U	5.0	0.52	1	12/29/15 14:34	*
Chloroform	0.35 U	1.0	0.35	1	12/29/15 14:34	
Chloromethane	0.36 U	1.0	0.36	1	12/29/15 14:34	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	12/29/15 14:34	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	12/29/15 14:34	
Dibromochloromethane	0.21 U	1.0	0.21	1	12/29/15 14:34	
Dichlorodifluoromethane	0.23 U	20	0.23	1	12/29/15 14:34	
Methylene Chloride	0.21 U	5.0	0.21	1	12/29/15 14:34	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	12/29/15 14:34	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	12/29/15 14:34	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	12/29/15 14:34	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	12/29/15 14:34	
Trichlorofluoromethane	0.24 U	20	0.24	1	12/29/15 14:34	
Vinyl Chloride	0.36 U	1.0	0.36	1	12/29/15 14:34	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	117	72 - 121	12/29/15 14:34	
4-Bromofluorobenzene	84	86 - 113	12/29/15 14:34	*
Dibromofluoromethane	112	86 - 112	12/29/15 14:34	
Toluene-d8	103	88 - 115	12/29/15 14:34	

Client:	GeoSyntec Consultants	**Service Request:**	J1510030
Project:	Wilson Corners/FR0743C-20	**Date Collected:**	12/15/15 09:42
Sample Matrix:	Water	**Date Received:**	12/18/15 08:25
Sample Name:	WILC-MW0086-068.5-20151215	**Units:**	ug/L
Lab Code:	J1510030-040	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	12/29/15 14:56	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	12/29/15 14:56	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	12/29/15 14:56	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	12/29/15 14:56	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	12/29/15 14:56	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	12/29/15 14:56	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	12/29/15 14:56	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	12/29/15 14:56	
1,3-Dichlorobenzene	0.22 U	1.0	0.22	1	12/29/15 14:56	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	12/29/15 14:56	
Bromochloromethane	0.27 U	5.0	0.27	1	12/29/15 14:56	
Bromodichloromethane	0.22 U	1.0	0.22	1	12/29/15 14:56	
Bromoform	0.42 U	2.0	0.42	1	12/29/15 14:56	
Bromomethane	0.23 U	5.0	0.23	1	12/29/15 14:56	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	12/29/15 14:56	
Chlorobenzene	0.16 U	1.0	0.16	1	12/29/15 14:56	
Chloroethane	0.52 U	5.0	0.52	1	12/29/15 14:56	*
Chloroform	0.35 U	1.0	0.35	1	12/29/15 14:56	
Chloromethane	0.36 U	1.0	0.36	1	12/29/15 14:56	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	12/29/15 14:56	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	12/29/15 14:56	
Dibromochloromethane	0.21 U	1.0	0.21	1	12/29/15 14:56	
Dichlorodifluoromethane	0.23 U	20	0.23	1	12/29/15 14:56	
Methylene Chloride	0.21 U	5.0	0.21	1	12/29/15 14:56	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	12/29/15 14:56	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	12/29/15 14:56	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	12/29/15 14:56	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	12/29/15 14:56	
Trichlorofluoromethane	0.24 U	20	0.24	1	12/29/15 14:56	
Vinyl Chloride	0.36 U	1.0	0.36	1	12/29/15 14:56	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	117	72 - 121	12/29/15 14:56	
4-Bromofluorobenzene	84	86 - 113	12/29/15 14:56	*
Dibromofluoromethane	114	86 - 112	12/29/15 14:56	*
Toluene-d8	102	88 - 115	12/29/15 14:56	

Client:	GeoSyntec Consultants	**Service Request:**	J1510030
Project:	Wilson Corners/FR0743C-20	**Date Collected:**	12/15/15 13:10
Sample Matrix:	Water	**Date Received:**	12/18/15 08:25
Sample Name:	WILC-MW0130-061.0-20151215	**Units:**	ug/L
Lab Code:	J1510030-041	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result		PQL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.86	U	5.0	0.86	5	12/29/15 15:22	
1,1,2,2-Tetrachloroethane	1.5	U	5.0	1.5	5	12/29/15 15:22	
1,1,2-Trichloroethane	2.0	U	5.0	2.0	5	12/29/15 15:22	
1,1-Dichloroethane (1,1-DCA)	1.5	U	5.0	1.5	5	12/29/15 15:22	
1,1-Dichloroethene (1,1-DCE)	**2.1**	**I**	5.0	0.80	5	12/29/15 15:22	
1,2-Dichlorobenzene	2.4	U	5.0	2.4	5	12/29/15 15:22	
1,2-Dichloroethane	1.1	U	5.0	1.1	5	12/29/15 15:22	
1,2-Dichloropropane	0.95	U	5.0	0.95	5	12/29/15 15:22	
1,3-Dichlorobenzene	1.1	U	5.0	1.1	5	12/29/15 15:22	
1,4-Dichlorobenzene	0.80	U	5.0	0.80	5	12/29/15 15:22	
Bromochloromethane	1.4	U	25	1.4	5	12/29/15 15:22	
Bromodichloromethane	1.1	U	5.0	1.1	5	12/29/15 15:22	
Bromoform	2.1	U	10	2.1	5	12/29/15 15:22	
Bromomethane	1.2	U	25	1.2	5	12/29/15 15:22	
Carbon Tetrachloride	1.8	U	5.0	1.8	5	12/29/15 15:22	
Chlorobenzene	0.80	U	5.0	0.80	5	12/29/15 15:22	
Chloroethane	2.6	U	25	2.6	5	12/29/15 15:22	*
Chloroform	1.8	U	5.0	1.8	5	12/29/15 15:22	
Chloromethane	1.8	U	5.0	1.8	5	12/29/15 15:22	
cis-1,2-Dichloroethene	**780**		5.0	1.8	5	12/29/15 15:22	
cis-1,3-Dichloropropene	1.0	U	5.0	1.0	5	12/29/15 15:22	
Dibromochloromethane	1.1	U	5.0	1.1	5	12/29/15 15:22	
Dichlorodifluoromethane	1.2	U	100	1.2	5	12/29/15 15:22	
Methylene Chloride	**3.6**	**I**	25	1.1	5	12/29/15 15:22	
Tetrachloroethene (PCE)	1.1	U	5.0	1.1	5	12/29/15 15:22	
trans-1,2-Dichloroethene	0.95	U	5.0	0.95	5	12/29/15 15:22	
trans-1,3-Dichloropropene	1.2	U	5.0	1.2	5	12/29/15 15:22	
Trichloroethene (TCE)	**8.4**		5.0	1.8	5	12/29/15 15:22	
Trichlorofluoromethane	1.2	U	100	1.2	5	12/29/15 15:22	
Vinyl Chloride	**180**		5.0	1.8	5	12/29/15 15:22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	118	72 - 121	12/29/15 15:22	
4-Bromofluorobenzene	83	86 - 113	12/29/15 15:22	*
Dibromofluoromethane	113	86 - 112	12/29/15 15:22	*
Toluene-d8	103	88 - 115	12/29/15 15:22	

Client:	GeoSyntec Consultants	**Service Request:**	J1510030
Project:	Wilson Corners/FR0743C-20	**Date Collected:**	12/15/15 00:00
Sample Matrix:	Water	**Date Received:**	12/18/15 08:25
Sample Name:	TRIP BLANK	**Units:**	ug/L
Lab Code:	J1510030-042	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result		PQL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.17	U	1.0	0.17	1	12/19/15 11:01	
1,1,2,2-Tetrachloroethane	0.29	U	1.0	0.29	1	12/19/15 11:01	
1,1,2-Trichloroethane	0.40	U	1.0	0.40	1	12/19/15 11:01	
1,1-Dichloroethane (1,1-DCA)	0.30	U	1.0	0.30	1	12/19/15 11:01	
1,1-Dichloroethene (1,1-DCE)	0.16	U	1.0	0.16	1	12/19/15 11:01	
1,2-Dichlorobenzene	0.48	U	1.0	0.48	1	12/19/15 11:01	
1,2-Dichloroethane	**0.23**	**IV**	1.0	0.22	1	12/19/15 11:01	
1,2-Dichloropropane	0.19	U	1.0	0.19	1	12/19/15 11:01	
1,3-Dichlorobenzene	0.22	U	1.0	0.22	1	12/19/15 11:01	
1,4-Dichlorobenzene	0.16	U	1.0	0.16	1	12/19/15 11:01	
Bromochloromethane	0.27	U	5.0	0.27	1	12/19/15 11:01	
Bromodichloromethane	0.22	U	1.0	0.22	1	12/19/15 11:01	
Bromoform	0.42	U	2.0	0.42	1	12/19/15 11:01	
Bromomethane	0.23	U	5.0	0.23	1	12/19/15 11:01	
Carbon Tetrachloride	0.34	U	1.0	0.34	1	12/19/15 11:01	
Chlorobenzene	0.16	U	1.0	0.16	1	12/19/15 11:01	
Chloroethane	0.52	U	5.0	0.52	1	12/19/15 11:01	
Chloroform	0.35	U	1.0	0.35	1	12/19/15 11:01	
Chloromethane	0.36	U	1.0	0.36	1	12/19/15 11:01	
cis-1,2-Dichloroethene	0.36	U	1.0	0.36	1	12/19/15 11:01	
cis-1,3-Dichloropropene	0.20	U	1.0	0.20	1	12/19/15 11:01	
Dibromochloromethane	0.21	U	1.0	0.21	1	12/19/15 11:01	
Dichlorodifluoromethane	0.23	U	20	0.23	1	12/19/15 11:01	
Methylene Chloride	**0.40**	**I**	5.0	0.21	1	12/19/15 11:01	
Tetrachloroethene (PCE)	0.22	U	1.0	0.22	1	12/19/15 11:01	
trans-1,2-Dichloroethene	0.19	U	1.0	0.19	1	12/19/15 11:01	
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	1	12/19/15 11:01	
Trichloroethene (TCE)	0.36	U	1.0	0.36	1	12/19/15 11:01	
Trichlorofluoromethane	0.24	U	20	0.24	1	12/19/15 11:01	
Vinyl Chloride	0.36	U	1.0	0.36	1	12/19/15 11:01	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	116	72 - 121	12/19/15 11:01	
4-Bromofluorobenzene	88	86 - 113	12/19/15 11:01	
Dibromofluoromethane	109	86 - 112	12/19/15 11:01	
Toluene-d8	101	88 - 115	12/19/15 11:01	

Client:	GeoSyntec Consultants	**Service Request:**	J1510030
Project:	Wilson Corners/FR0743C-20	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	JQ1509953-05	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	12/19/15 10:38	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	12/19/15 10:38	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	12/19/15 10:38	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	12/19/15 10:38	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	12/19/15 10:38	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	12/19/15 10:38	
1,2-Dichloroethane	**0.25 I**	1.0	0.22	1	12/19/15 10:38	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	12/19/15 10:38	
1,3-Dichlorobenzene	0.22 U	1.0	0.22	1	12/19/15 10:38	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	12/19/15 10:38	
Bromochloromethane	0.27 U	5.0	0.27	1	12/19/15 10:38	
Bromodichloromethane	0.22 U	1.0	0.22	1	12/19/15 10:38	
Bromoform	0.42 U	2.0	0.42	1	12/19/15 10:38	
Bromomethane	0.23 U	5.0	0.23	1	12/19/15 10:38	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	12/19/15 10:38	
Chlorobenzene	0.16 U	1.0	0.16	1	12/19/15 10:38	
Chloroethane	0.52 U	5.0	0.52	1	12/19/15 10:38	
Chloroform	0.35 U	1.0	0.35	1	12/19/15 10:38	
Chloromethane	0.36 U	1.0	0.36	1	12/19/15 10:38	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	12/19/15 10:38	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	12/19/15 10:38	
Dibromochloromethane	0.21 U	1.0	0.21	1	12/19/15 10:38	
Dichlorodifluoromethane	0.23 U	20	0.23	1	12/19/15 10:38	
Methylene Chloride	0.21 U	5.0	0.21	1	12/19/15 10:38	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	12/19/15 10:38	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	12/19/15 10:38	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	12/19/15 10:38	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	12/19/15 10:38	
Trichlorofluoromethane	0.24 U	20	0.24	1	12/19/15 10:38	
Vinyl Chloride	0.36 U	1.0	0.36	1	12/19/15 10:38	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	114	72 - 121	12/19/15 10:38	
4-Bromofluorobenzene	88	86 - 113	12/19/15 10:38	
Dibromofluoromethane	107	86 - 112	12/19/15 10:38	
Toluene-d8	102	88 - 115	12/19/15 10:38	

Client:	GeoSyntec Consultants	**Service Request:**	J1510030
Project:	Wilson Corners/FR0743C-20	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	JQ1509989-05	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	12/21/15 14:24	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	12/21/15 14:24	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	12/21/15 14:24	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	12/21/15 14:24	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	12/21/15 14:24	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	12/21/15 14:24	
1,2-Dichloroethane	**0.22 I**	1.0	0.22	1	12/21/15 14:24	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	12/21/15 14:24	
1,3-Dichlorobenzene	0.22 U	1.0	0.22	1	12/21/15 14:24	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	12/21/15 14:24	
Bromochloromethane	0.27 U	5.0	0.27	1	12/21/15 14:24	
Bromodichloromethane	0.22 U	1.0	0.22	1	12/21/15 14:24	
Bromoform	0.42 U	2.0	0.42	1	12/21/15 14:24	
Bromomethane	0.23 U	5.0	0.23	1	12/21/15 14:24	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	12/21/15 14:24	
Chlorobenzene	0.16 U	1.0	0.16	1	12/21/15 14:24	
Chloroethane	0.52 U	5.0	0.52	1	12/21/15 14:24	
Chloroform	0.35 U	1.0	0.35	1	12/21/15 14:24	
Chloromethane	0.36 U	1.0	0.36	1	12/21/15 14:24	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	12/21/15 14:24	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	12/21/15 14:24	
Dibromochloromethane	0.21 U	1.0	0.21	1	12/21/15 14:24	
Dichlorodifluoromethane	0.23 U	20	0.23	1	12/21/15 14:24	
Methylene Chloride	0.21 U	5.0	0.21	1	12/21/15 14:24	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	12/21/15 14:24	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	12/21/15 14:24	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	12/21/15 14:24	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	12/21/15 14:24	
Trichlorofluoromethane	0.24 U	20	0.24	1	12/21/15 14:24	
Vinyl Chloride	0.36 U	1.0	0.36	1	12/21/15 14:24	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	118	72 - 121	12/21/15 14:24	
4-Bromofluorobenzene	85	86 - 113	12/21/15 14:24	*
Dibromofluoromethane	112	86 - 112	12/21/15 14:24	
Toluene-d8	102	88 - 115	12/21/15 14:24	

Analytical Report

Client:	GeoSyntec Consultants	**Service Request:**	J1510030
Project:	Wilson Corners/FR0743C-20	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	JQ1510036-05	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	12/23/15 03:07	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	12/23/15 03:07	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	12/23/15 03:07	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	12/23/15 03:07	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	12/23/15 03:07	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	12/23/15 03:07	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	12/23/15 03:07	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	12/23/15 03:07	
1,3-Dichlorobenzene	0.22 U	1.0	0.22	1	12/23/15 03:07	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	12/23/15 03:07	
Bromochloromethane	0.27 U	5.0	0.27	1	12/23/15 03:07	
Bromodichloromethane	0.22 U	1.0	0.22	1	12/23/15 03:07	
Bromoform	0.42 U	2.0	0.42	1	12/23/15 03:07	
Bromomethane	0.23 U	5.0	0.23	1	12/23/15 03:07	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	12/23/15 03:07	
Chlorobenzene	0.16 U	1.0	0.16	1	12/23/15 03:07	
Chloroethane	0.52 U	5.0	0.52	1	12/23/15 03:07	
Chloroform	0.35 U	1.0	0.35	1	12/23/15 03:07	
Chloromethane	0.36 U	1.0	0.36	1	12/23/15 03:07	
cis-1,2-Dichloroethene	**0.99 I**	1.0	0.36	1	12/23/15 03:07	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	12/23/15 03:07	
Dibromochloromethane	0.21 U	1.0	0.21	1	12/23/15 03:07	
Dichlorodifluoromethane	0.23 U	20	0.23	1	12/23/15 03:07	
Methylene Chloride	0.21 U	5.0	0.21	1	12/23/15 03:07	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	12/23/15 03:07	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	12/23/15 03:07	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	12/23/15 03:07	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	12/23/15 03:07	
Trichlorofluoromethane	0.24 U	20	0.24	1	12/23/15 03:07	
Vinyl Chloride	0.36 U	1.0	0.36	1	12/23/15 03:07	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	118	72 - 121	12/23/15 03:07	
4-Bromofluorobenzene	83	86 - 113	12/23/15 03:07	*
Dibromofluoromethane	112	86 - 112	12/23/15 03:07	
Toluene-d8	102	88 - 115	12/23/15 03:07	

Client:	GeoSyntec Consultants	**Service Request:**	J1510030
Project:	Wilson Corners/FR0743C-20	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	JQ1510119-05	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	12/28/15 12:54	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	12/28/15 12:54	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	12/28/15 12:54	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	12/28/15 12:54	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	12/28/15 12:54	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	12/28/15 12:54	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	12/28/15 12:54	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	12/28/15 12:54	
1,3-Dichlorobenzene	0.22 U	1.0	0.22	1	12/28/15 12:54	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	12/28/15 12:54	
Bromochloromethane	0.27 U	5.0	0.27	1	12/28/15 12:54	
Bromodichloromethane	0.22 U	1.0	0.22	1	12/28/15 12:54	
Bromoform	0.42 U	2.0	0.42	1	12/28/15 12:54	
Bromomethane	0.23 U	5.0	0.23	1	12/28/15 12:54	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	12/28/15 12:54	
Chlorobenzene	0.16 U	1.0	0.16	1	12/28/15 12:54	
Chloroethane	0.52 U	5.0	0.52	1	12/28/15 12:54	
Chloroform	0.35 U	1.0	0.35	1	12/28/15 12:54	
Chloromethane	0.36 U	1.0	0.36	1	12/28/15 12:54	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	12/28/15 12:54	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	12/28/15 12:54	
Dibromochloromethane	0.21 U	1.0	0.21	1	12/28/15 12:54	
Dichlorodifluoromethane	0.23 U	20	0.23	1	12/28/15 12:54	
Methylene Chloride	0.21 U	5.0	0.21	1	12/28/15 12:54	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	12/28/15 12:54	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	12/28/15 12:54	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	12/28/15 12:54	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	12/28/15 12:54	
Trichlorofluoromethane	0.24 U	20	0.24	1	12/28/15 12:54	
Vinyl Chloride	0.36 U	1.0	0.36	1	12/28/15 12:54	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	116	72 - 121	12/28/15 12:54	
4-Bromofluorobenzene	84	86 - 113	12/28/15 12:54	*
Dibromofluoromethane	112	86 - 112	12/28/15 12:54	
Toluene-d8	102	88 - 115	12/28/15 12:54	

Analytical Report

Client:	GeoSyntec Consultants	**Service Request:**	J1510030
Project:	Wilson Corners/FR0743C-20	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	JQ1510163-05	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	12/29/15 14:11	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	12/29/15 14:11	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	12/29/15 14:11	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	12/29/15 14:11	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	12/29/15 14:11	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	12/29/15 14:11	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	12/29/15 14:11	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	12/29/15 14:11	
1,3-Dichlorobenzene	0.22 U	1.0	0.22	1	12/29/15 14:11	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	12/29/15 14:11	
Bromochloromethane	0.27 U	5.0	0.27	1	12/29/15 14:11	
Bromodichloromethane	0.22 U	1.0	0.22	1	12/29/15 14:11	
Bromoform	0.42 U	2.0	0.42	1	12/29/15 14:11	
Bromomethane	0.23 U	5.0	0.23	1	12/29/15 14:11	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	12/29/15 14:11	
Chlorobenzene	0.16 U	1.0	0.16	1	12/29/15 14:11	
Chloroethane	0.52 U	5.0	0.52	1	12/29/15 14:11	
Chloroform	0.35 U	1.0	0.35	1	12/29/15 14:11	
Chloromethane	0.36 U	1.0	0.36	1	12/29/15 14:11	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	12/29/15 14:11	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	12/29/15 14:11	
Dibromochloromethane	0.21 U	1.0	0.21	1	12/29/15 14:11	
Dichlorodifluoromethane	0.23 U	20	0.23	1	12/29/15 14:11	
Methylene Chloride	0.21 U	5.0	0.21	1	12/29/15 14:11	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	12/29/15 14:11	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	12/29/15 14:11	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	12/29/15 14:11	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	12/29/15 14:11	
Trichlorofluoromethane	0.24 U	20	0.24	1	12/29/15 14:11	
Vinyl Chloride	0.36 U	1.0	0.36	1	12/29/15 14:11	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	115	72 - 121	12/29/15 14:11	
4-Bromofluorobenzene	84	86 - 113	12/29/15 14:11	*
Dibromofluoromethane	111	86 - 112	12/29/15 14:11	
Toluene-d8	101	88 - 115	12/29/15 14:11	

Client: GeoSyntec Consultants **Service Request:** J1510030
Project: Wilson Corners/FR0743C-20
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Sample Name	Lab Code	1,2-Dichloroethane-d4 72 - 121	4-Bromofluorobenzene 86 - 113	Dibromofluoromethane 86 - 112
WILC-NPSH-MW0027-012.5-20151215	J1510030-001	116	83 *	113 *
WILC-MW0057S-008.0-20151215	J1510030-002	118	84 *	113 *
WILC-MW0064-008.0-20151215	J1510030-003	118	86	114 *
WILC-MW0074-008.0-20151216	J1510030-004	119	82 *	114 *
WILC-MW0075-008.0-20151216	J1510030-005	119	83 *	115 *
WILC-MW0091-008.0-20151215	J1510030-006	119	86	116 *
WILC-MW0095-008.0-20151215	J1510030-007	119	84 *	114 *
WILC-MW0087-020.0-20151215	J1510030-008	116	88	110
WILC-MW0089-020.0-20151215	J1510030-009	118	83 *	114 *
WILC-MW0106-020.0-20151215	J1510030-010	117	84 *	114 *
WILC-MW0109-020.0-20151215	J1510030-011	114	92	110
WILC-MW0115-020.0-20151216	J1510030-012	116	88	110
WILC-MW0116-020.0-20151216	J1510030-013	116	92	113 *
WILC-MW0122-020.0-20151216	J1510030-014	119	88	112
WILC-MW0125-020.0-20151215	J1510030-015	117	86	111
WILC-MW0126-020.0-20151215	J1510030-016	117	88	112
WILC-NPSH-MW0015-031.5-20151216	J1510030-017	119	90	116 *
WILC-NPSH-MW0016-031.5-20151215	J1510030-018	118	83 *	112
WILC-NPSH-MW0017-031.5-20151215	J1510030-019	119	83 *	112
WILC-NPSH-MW0019-031.5-20151215	J1510030-020	118	88	111
WILC-NPSH-MW0020-031.5-20151215	J1510030-021	119	88	112
WILC-NPSH-MW0022-031.5-20151215	J1510030-022	118	86	111
WILC-MW0057I-031.5-20151215	J1510030-023	119	83 *	115 *
WILC-MW0060I-031.5-20151216	J1510030-024	119	84 *	112
WILC-MW0062-031.5-20151215	J1510030-025	118	84 *	112
WILC-MW0065-031.5-20151215	J1510030-026	117 #	83 #	114 #
WILC-MW0072-031.5-20151216	J1510030-027	117	87	111
WILC-MW0080-031.5-20151215	J1510030-028	119	86	112
WILC-MW0088-031.5-20151215	J1510030-029	119	84 *	113 *
WILC-MW0090-031.5-20151215	J1510030-030	119	86	114 *
WILC-MW0097-031.5-20151215	J1510030-031	119	88	112

Client: GeoSyntec Consultants **Service Request:** J1510030
Project: Wilson Corners/FR0743C-20
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Sample Name	Lab Code	1,2-Dichloroethane-d4 72 - 121	4-Bromofluorobenzene 86 - 113	Dibromofluoromethane 86 - 112
WILC-NPSH-MW0025-042.5-20151215	J1510030-032	117	87	112
WILC-NPSH-MW0039-042.5-20151215	J1510030-033	118	94	113 *
WILC-MW0057D-042.5-20151215	J1510030-034	119	83 *	114 *
WILC-MW0094-042.5-20151215	J1510030-035	119	84 *	113 *
WILC-MW0118-042.5-20151216	J1510030-036	119	87	114 *
WILC-MW0120-042.5-20151216	J1510030-037	119	87	114 *
WILC-MW0078-067.5-20151215	J1510030-038	119	85 *	112
WILC-MW0083-073.5-20151216	J1510030-039	117	84 *	112
WILC-MW0086-068.5-20151215	J1510030-040	117	84 *	114 *
WILC-MW0130-061.0-20151215	J1510030-041	118	83 *	113 *
TRIP BLANK	J1510030-042	116	88	109
Lab Control Sample	JQ1509953-03	108	88	107
Duplicate Lab Control Sample	JQ1509953-04	108	87	108
Method Blank	JQ1509953-05	114	88	107
Lab Control Sample	JQ1509989-03	113	85 *	110
Duplicate Lab Control Sample	JQ1509989-04	112	85 *	109
Method Blank	JQ1509989-05	118	85 *	112
Lab Control Sample	JQ1510036-03	113	83 *	111
Duplicate Lab Control Sample	JQ1510036-04	112	84 *	110
Method Blank	JQ1510036-05	118	83 *	112
Lab Control Sample	JQ1510119-03	113	82 *	111
Duplicate Lab Control Sample	JQ1510119-04	111	82 *	110
Method Blank	JQ1510119-05	116	84 *	112
Lab Control Sample	JQ1510163-03	112	81 *	110
Duplicate Lab Control Sample	JQ1510163-04	111	82 *	110
Method Blank	JQ1510163-05	115	84 *	111

Client: GeoSyntec Consultants **Service Request:** J1510030
Project: Wilson Corners/FR0743C-20
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Sample Name	Lab Code	Toluene-d8 88 - 115
WILC-NPSH-MW0027-012.5-20151215	J1510030-001	102
WILC-MW0057S-008.0-20151215	J1510030-002	102
WILC-MW0064-008.0-20151215	J1510030-003	102
WILC-MW0074-008.0-20151216	J1510030-004	101
WILC-MW0075-008.0-20151216	J1510030-005	102
WILC-MW0091-008.0-20151215	J1510030-006	102
WILC-MW0095-008.0-20151215	J1510030-007	102
WILC-MW0087-020.0-20151215	J1510030-008	102
WILC-MW0089-020.0-20151215	J1510030-009	102
WILC-MW0106-020.0-20151215	J1510030-010	104
WILC-MW0109-020.0-20151215	J1510030-011	103
WILC-MW0115-020.0-20151216	J1510030-012	102
WILC-MW0116-020.0-20151216	J1510030-013	102
WILC-MW0122-020.0-20151216	J1510030-014	101
WILC-MW0125-020.0-20151215	J1510030-015	103
WILC-MW0126-020.0-20151215	J1510030-016	101
WILC-NPSH-MW0015-031.5-20151216	J1510030-017	103
WILC-NPSH-MW0016-031.5-20151215	J1510030-018	101
WILC-NPSH-MW0017-031.5-20151215	J1510030-019	102
WILC-NPSH-MW0019-031.5-20151215	J1510030-020	101
WILC-NPSH-MW0020-031.5-20151215	J1510030-021	102
WILC-NPSH-MW0022-031.5-20151215	J1510030-022	101
WILC-MW0057I-031.5-20151215	J1510030-023	102
WILC-MW0060I-031.5-20151216	J1510030-024	102
WILC-MW0062-031.5-20151215	J1510030-025	100
WILC-MW0065-031.5-20151215	J1510030-026	102 #
WILC-MW0072-031.5-20151216	J1510030-027	103
WILC-MW0080-031.5-20151215	J1510030-028	101
WILC-MW0088-031.5-20151215	J1510030-029	101
WILC-MW0090-031.5-20151215	J1510030-030	102
WILC-MW0097-031.5-20151215	J1510030-031	100

Client: GeoSyntec Consultants **Service Request:** J1510030
Project: Wilson Corners/FR0743C-20
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Sample Name	Lab Code	Toluene-d8 88 - 115
WILC-NPSH-MW0025-042.5-20151215	J1510030-032	101
WILC-NPSH-MW0039-042.5-20151215	J1510030-033	100
WILC-MW0057D-042.5-20151215	J1510030-034	101
WILC-MW0094-042.5-20151215	J1510030-035	101
WILC-MW0118-042.5-20151216	J1510030-036	101
WILC-MW0120-042.5-20151216	J1510030-037	101
WILC-MW0078-067.5-20151215	J1510030-038	100
WILC-MW0083-073.5-20151216	J1510030-039	103
WILC-MW0086-068.5-20151215	J1510030-040	102
WILC-MW0130-061.0-20151215	J1510030-041	103
TRIP BLANK	J1510030-042	101
Lab Control Sample	JQ1509953-03	102
Duplicate Lab Control Sample	JQ1509953-04	100
Method Blank	JQ1509953-05	102
Lab Control Sample	JQ1509989-03	100
Duplicate Lab Control Sample	JQ1509989-04	101
Method Blank	JQ1509989-05	102
Lab Control Sample	JQ1510036-03	101
Duplicate Lab Control Sample	JQ1510036-04	100
Method Blank	JQ1510036-05	102
Lab Control Sample	JQ1510119-03	101
Duplicate Lab Control Sample	JQ1510119-04	101
Method Blank	JQ1510119-05	102
Lab Control Sample	JQ1510163-03	102
Duplicate Lab Control Sample	JQ1510163-04	102
Method Blank	JQ1510163-05	101

Client:	GeoSyntec Consultants	**Service Request:**	J1510030
Project:	Wilson Corners/FR0743C-20	**Date Analyzed:**	12/19/15
Sample Matrix:	Water		

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

Analysis Method:	8260B	**Units:**	ug/L
		Basis:	NA
		Analysis Lot:	477108

	Lab Control Sample JQ1509953-03			Duplicate Lab Control Sample JQ1509953-04					
Analyte Name	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,1,1-Trichloroethane (TCA)	53.5	50.0	107	53.7	50.0	107	70-122	<1	30
1,1,2,2-Tetrachloroethane	49.4	50.0	99	49.5	50.0	99	66-135	<1	30
1,1,2-Trichloroethane	50.4	50.0	101	50.3	50.0	101	75-122	<1	30
1,1-Dichloroethane (1,1-DCA)	51.2	50.0	102	52.2	50.0	104	79-117	2	30
1,1-Dichloroethene (1,1-DCE)	46.1	50.0	92	45.8	50.0	92	72-128	<1	30
1,2-Dichlorobenzene	49.7	50.0	99	50.1	50.0	100	81-115	<1	30
1,2-Dichloroethane	54.3	50.0	109	53.3	50.0	106	70-117	2	30
1,2-Dichloropropane	50.5	50.0	101	50.7	50.0	101	79-117	<1	30
1,3-Dichlorobenzene	50.3	50.0	101	51.2	50.0	102	82-116	2	30
1,4-Dichlorobenzene	49.4	50.0	99	49.9	50.0	100	82-115	1	30
Bromochloromethane	52.4	50.0	105	53.0	50.0	106	78-118	1	30
Bromodichloromethane	50.3	50.0	101	50.3	50.0	101	75-118	<1	30
Bromoform	53.7	50.0	107	52.9	50.0	106	63-121	2	30
Bromomethane	51.4	50.0	103	50.8	50.0	102	31-153	1	30
Carbon Tetrachloride	49.8	50.0	100	50.1	50.0	100	67-124	<1	30
Chlorobenzene	54.5	50.0	109	54.7	50.0	109	83-118	<1	30
Chloroethane	58.3	50.0	117	56.5	50.0	113	68-132	3	30
Chloroform	54.1	50.0	108	54.3	50.0	109	77-116	<1	30
Chloromethane	46.8	50.0	94	47.0	50.0	94	60-128	<1	30
cis-1,2-Dichloroethene	54.6	50.0	109	55.3	50.0	110	78-117	1	30
cis-1,3-Dichloropropene	45.9	50.0	92	45.7	50.0	91	80-119	<1	30
Dibromochloromethane	53.5	50.0	107	52.9	50.0	106	74-121	1	30
Dichlorodifluoromethane	35.8	50.0	72	35.9	50.0	72	49-132	<1	30
Methylene Chloride	49.2	50.0	98	48.7	50.0	97	75-123	1	30
Tetrachloroethene (PCE)	57.1	50.0	114	56.5	50.0	113	75-126	1	30
trans-1,2-Dichloroethene	53.5	50.0	107	53.8	50.0	108	75-121	<1	30
trans-1,3-Dichloropropene	48.3	50.0	97	48.2	50.0	96	76-118	<1	30
Trichloroethene (TCE)	54.6	50.0	109	54.0	50.0	108	78-122	1	30
Trichlorofluoromethane	57.5	50.0	115	57.8	50.0	116	58-134	<1	30
Vinyl Chloride	45.7	50.0	91	46.7	50.0	93	69-138	2	30

Client:	GeoSyntec Consultants	**Service Request:**	J1510030
Project:	Wilson Corners/FR0743C-20	**Date Analyzed:**	12/21/15
Sample Matrix:	Water		

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

Analysis Method:	8260B	**Units:**	ug/L
		Basis:	NA
		Analysis Lot:	477304

	Lab Control Sample JQ1509989-03			Duplicate Lab Control Sample JQ1509989-04					
Analyte Name	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,1,1-Trichloroethane (TCA)	58.2	50.0	116	57.8	50.0	116	70-122	<1	30
1,1,2,2-Tetrachloroethane	54.4	50.0	109	53.7	50.0	107	66-135	1	30
1,1,2-Trichloroethane	52.3	50.0	105	51.7	50.0	103	75-122	1	30
1,1-Dichloroethane (1,1-DCA)	55.5	50.0	111	54.1	50.0	108	79-117	2	30
1,1-Dichloroethene (1,1-DCE)	50.6	50.0	101	49.1	50.0	98	72-128	3	30
1,2-Dichlorobenzene	50.7	50.0	101	50.8	50.0	102	81-115	<1	30
1,2-Dichloroethane	57.6	50.0	115	56.5	50.0	113	70-117	2	30
1,2-Dichloropropane	52.2	50.0	104	51.8	50.0	104	79-117	<1	30
1,3-Dichlorobenzene	52.6	50.0	105	53.0	50.0	106	82-116	<1	30
1,4-Dichlorobenzene	51.9	50.0	104	51.5	50.0	103	82-115	<1	30
Bromochloromethane	55.6	50.0	111	54.8	50.0	110	78-118	1	30
Bromodichloromethane	53.8	50.0	108	53.1	50.0	106	75-118	1	30
Bromoform	59.3	50.0	119	58.6	50.0	117	63-121	1	30
Bromomethane	53.7	50.0	107	54.0	50.0	108	31-153	<1	30
Carbon Tetrachloride	56.4	50.0	113	54.6	50.0	109	67-124	3	30
Chlorobenzene	57.6	50.0	115	57.2	50.0	114	83-118	<1	30
Chloroethane	62.3	50.0	125	61.0	50.0	122	68-132	2	30
Chloroform	57.7	50.0	115	56.3	50.0	113	77-116	2	30
Chloromethane	50.3	50.0	101	49.4	50.0	99	60-128	2	30
cis-1,2-Dichloroethene	56.3	50.0	113	56.1	50.0	112	78-117	<1	30
cis-1,3-Dichloropropene	47.8	50.0	96	48.1	50.0	96	80-119	<1	30
Dibromochloromethane	57.0	50.0	114	56.1	50.0	112	74-121	2	30
Dichlorodifluoromethane	35.5	50.0	71	35.0	50.0	70	49-132	1	30
Methylene Chloride	50.7	50.0	101	50.4	50.0	101	75-123	<1	30
Tetrachloroethene (PCE)	61.8	50.0	124	62.1	50.0	124	75-126	<1	30
trans-1,2-Dichloroethene	56.5	50.0	113	54.8	50.0	110	75-121	3	30
trans-1,3-Dichloropropene	51.8	50.0	104	50.6	50.0	101	76-118	2	30
Trichloroethene (TCE)	57.6	50.0	115	56.7	50.0	113	78-122	2	30
Trichlorofluoromethane	63.4	50.0	127	62.9	50.0	126	58-134	<1	30
Vinyl Chloride	47.6	50.0	95	47.0	50.0	94	69-138	1	30

Client:	GeoSyntec Consultants	**Service Request:**	J1510030
Project:	Wilson Corners/FR0743C-20	**Date Analyzed:**	12/23/15
Sample Matrix:	Water		

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

Analysis Method:	8260B	**Units:**	ug/L
		Basis:	NA
		Analysis Lot:	477492

	Lab Control Sample JQ1510036-03			Duplicate Lab Control Sample JQ1510036-04					
Analyte Name	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,1,1-Trichloroethane (TCA)	57.3	50.0	115	57.7	50.0	115	70-122	<1	30
1,1,2,2-Tetrachloroethane	52.7	50.0	105	51.5	50.0	103	66-135	2	30
1,1,2-Trichloroethane	51.2	50.0	102	50.1	50.0	100	75-122	2	30
1,1-Dichloroethane (1,1-DCA)	52.7	50.0	105	53.0	50.0	106	79-117	<1	30
1,1-Dichloroethene (1,1-DCE)	50.4	50.0	101	50.5	50.0	101	72-128	<1	30
1,2-Dichlorobenzene	50.0	50.0	100	50.2	50.0	100	81-115	<1	30
1,2-Dichloroethane	55.5	50.0	111	56.0	50.0	112	70-117	<1	30
1,2-Dichloropropane	50.6	50.0	101	50.8	50.0	102	79-117	<1	30
1,3-Dichlorobenzene	50.9	50.0	102	51.8	50.0	104	82-116	2	30
1,4-Dichlorobenzene	50.2	50.0	100	50.2	50.0	100	82-115	<1	30
Bromochloromethane	54.3	50.0	109	54.3	50.0	108	78-118	<1	30
Bromodichloromethane	52.0	50.0	104	51.4	50.0	103	75-118	1	30
Bromoform	59.0	50.0	118	57.9	50.0	116	63-121	2	30
Bromomethane	59.3	50.0	118	59.9	50.0	120	31-153	1	30
Carbon Tetrachloride	55.0	50.0	110	55.1	50.0	110	67-124	<1	30
Chlorobenzene	56.5	50.0	113	56.2	50.0	112	83-118	<1	30
Chloroethane	68.5	50.0	137 *	68.1	50.0	136 *	68-132	<1	30
Chloroform	55.8	50.0	112	55.5	50.0	111	77-116	<1	30
Chloromethane	58.4	50.0	117	58.1	50.0	116	60-128	<1	30
cis-1,2-Dichloroethene	56.8	50.0	114	56.5	50.0	113	78-117	<1	30
cis-1,3-Dichloropropene	46.3	50.0	93	45.9	50.0	92	80-119	<1	30
Dibromochloromethane	56.0	50.0	112	55.3	50.0	111	74-121	1	30
Dichlorodifluoromethane	61.3	50.0	123	61.5	50.0	123	49-132	<1	30
Methylene Chloride	49.0	50.0	98	49.3	50.0	99	75-123	<1	30
Tetrachloroethene (PCE)	61.5	50.0	123	60.5	50.0	121	75-126	2	30
trans-1,2-Dichloroethene	54.6	50.0	109	53.7	50.0	107	75-121	2	30
trans-1,3-Dichloropropene	49.8	50.0	100	49.1	50.0	98	76-118	1	30
Trichloroethene (TCE)	57.8	50.0	116	58.9	50.0	118	78-122	2	30
Trichlorofluoromethane	67.7	50.0	135 *	68.8	50.0	138 *	58-134	2	30
Vinyl Chloride	52.9	50.0	106	53.7	50.0	107	69-138	1	30

Client:	GeoSyntec Consultants	**Service Request:**	J1510030
Project:	Wilson Corners/FR0743C-20	**Date Analyzed:**	12/28/15
Sample Matrix:	Water		

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

Analysis Method:	8260B	**Units:**	ug/L
		Basis:	NA
		Analysis Lot:	477826

	Lab Control Sample JQ1510119-03			Duplicate Lab Control Sample JQ1510119-04					
Analyte Name	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,1,1-Trichloroethane (TCA)	55.5	50.0	111	52.6	50.0	105	70-122	5	30
1,1,2,2-Tetrachloroethane	54.4	50.0	109	53.7	50.0	107	66-135	1	30
1,1,2-Trichloroethane	50.8	50.0	102	50.7	50.0	101	75-122	<1	30
1,1-Dichloroethane (1,1-DCA)	52.1	50.0	104	49.6	50.0	99	79-117	5	30
1,1-Dichloroethene (1,1-DCE)	49.4	50.0	99	48.3	50.0	96	72-128	2	30
1,2-Dichlorobenzene	49.4	50.0	99	48.1	50.0	96	81-115	3	30
1,2-Dichloroethane	55.2	50.0	110	53.9	50.0	108	70-117	3	30
1,2-Dichloropropane	49.5	50.0	99	49.1	50.0	98	79-117	<1	30
1,3-Dichlorobenzene	51.0	50.0	102	49.4	50.0	99	82-116	3	30
1,4-Dichlorobenzene	50.0	50.0	100	48.9	50.0	98	82-115	2	30
Bromochloromethane	53.9	50.0	108	53.6	50.0	107	78-118	<1	30
Bromodichloromethane	51.9	50.0	104	50.0	50.0	100	75-118	4	30
Bromoform	59.4	50.0	119	58.5	50.0	117	63-121	1	30
Bromomethane	57.6	50.0	115	55.6	50.0	111	31-153	4	30
Carbon Tetrachloride	53.4	50.0	107	50.0	50.0	100	67-124	7	30
Chlorobenzene	55.5	50.0	111	54.0	50.0	108	83-118	3	30
Chloroethane	62.5	50.0	125	64.0	50.0	128	68-132	2	30
Chloroform	54.8	50.0	110	52.6	50.0	105	77-116	4	30
Chloromethane	54.6	50.0	109	51.6	50.0	103	60-128	6	30
cis-1,2-Dichloroethene	53.6	50.0	107	51.5	50.0	103	78-117	4	30
cis-1,3-Dichloropropene	46.5	50.0	93	45.5	50.0	91	80-119	2	30
Dibromochloromethane	56.9	50.0	114	54.8	50.0	110	74-121	4	30
Dichlorodifluoromethane	52.8	50.0	106	49.9	50.0	100	49-132	6	30
Methylene Chloride	48.6	50.0	97	47.0	50.0	94	75-123	3	30
Tetrachloroethene (PCE)	61.5	50.0	123	58.1	50.0	116	75-126	6	30
trans-1,2-Dichloroethene	53.4	50.0	107	50.3	50.0	101	75-121	6	30
trans-1,3-Dichloropropene	49.9	50.0	100	49.1	50.0	98	76-118	2	30
Trichloroethene (TCE)	55.7	50.0	111	52.9	50.0	106	78-122	5	30
Trichlorofluoromethane	64.8	50.0	130	61.3	50.0	123	58-134	6	30
Vinyl Chloride	50.6	50.0	101	46.4	50.0	93	69-138	9	30

Client:	GeoSyntec Consultants	**Service Request:**	J1510030
Project:	Wilson Corners/FR0743C-20	**Date Analyzed:**	12/29/15
Sample Matrix:	Water		

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

Analysis Method:	8260B	**Units:**	ug/L
		Basis:	NA
		Analysis Lot:	477994

	Lab Control Sample JQ1510163-03			Duplicate Lab Control Sample JQ1510163-04					
Analyte Name	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,1,1-Trichloroethane (TCA)	56.9	50.0	114	56.9	50.0	114	70-122	<1	30
1,1,2,2-Tetrachloroethane	53.5	50.0	107	53.0	50.0	106	66-135	<1	30
1,1,2-Trichloroethane	52.1	50.0	104	52.4	50.0	105	75-122	<1	30
1,1-Dichloroethane (1,1-DCA)	52.8	50.0	106	52.9	50.0	106	79-117	<1	30
1,1-Dichloroethene (1,1-DCE)	52.9	50.0	106	51.3	50.0	103	72-128	3	30
1,2-Dichlorobenzene	49.5	50.0	99	50.3	50.0	101	81-115	2	30
1,2-Dichloroethane	55.7	50.0	111	55.5	50.0	111	70-117	<1	30
1,2-Dichloropropane	50.8	50.0	102	51.4	50.0	103	79-117	1	30
1,3-Dichlorobenzene	50.3	50.0	101	51.5	50.0	103	82-116	3	30
1,4-Dichlorobenzene	50.3	50.0	100	51.0	50.0	102	82-115	1	30
Bromochloromethane	56.6	50.0	113	57.1	50.0	114	78-118	<1	30
Bromodichloromethane	52.5	50.0	105	52.5	50.0	105	75-118	<1	30
Bromoform	59.6	50.0	119	59.5	50.0	119	63-121	<1	30
Bromomethane	58.8	50.0	118	58.1	50.0	116	31-153	1	30
Carbon Tetrachloride	54.3	50.0	108	54.1	50.0	108	67-124	<1	30
Chlorobenzene	57.4	50.0	115	57.1	50.0	114	83-118	<1	30
Chloroethane	68.2	50.0	136 *	67.6	50.0	135 *	68-132	<1	30
Chloroform	56.2	50.0	112	56.5	50.0	113	77-116	<1	30
Chloromethane	49.9	50.0	100	50.6	50.0	101	60-128	2	30
cis-1,2-Dichloroethene	54.1	50.0	108	54.5	50.0	109	78-117	<1	30
cis-1,3-Dichloropropene	46.4	50.0	93	46.6	50.0	93	80-119	<1	30
Dibromochloromethane	57.4	50.0	115	57.3	50.0	115	74-121	<1	30
Dichlorodifluoromethane	45.9	50.0	92	44.7	50.0	89	49-132	3	30
Methylene Chloride	50.1	50.0	100	49.7	50.0	99	75-123	<1	30
Tetrachloroethene (PCE)	60.8	50.0	122	61.4	50.0	123	75-126	<1	30
trans-1,2-Dichloroethene	53.7	50.0	107	53.6	50.0	107	75-121	<1	30
trans-1,3-Dichloropropene	49.8	50.0	100	49.8	50.0	100	76-118	<1	30
Trichloroethene (TCE)	58.2	50.0	116	57.1	50.0	114	78-122	2	30
Trichlorofluoromethane	65.4	50.0	131	64.5	50.0	129	58-134	1	30
Vinyl Chloride	47.4	50.0	95	47.0	50.0	94	69-138	<1	30

ALS Environmental

Cooler Receipt Form

Client: GeoSyntec Service Request #: 315/0030

Project: Wilson Corners

Cooler received on 12/18/15 and opened on 12/18/15 by SL

COURIER: ALS UPS FEDEX Client (Other) Blue Streak Airbill #

1	Were custody seals on outside of cooler?	Yes	(No)			
	If yes, how many and where?	#:	on lid	other		
2	Were seals intact and signature and date correct?	Yes	No	(N/A)		
3	Were custody papers properly filled out?	(Yes)	No	N/A		
4	Temperature of cooler(s) upon receipt (Should be 0°C and ≤ 6°C)	0.1°C				
5	Thermometer ID	T124				
6	Temperature Blank Present?	(Yes)	No			
7	Were Ice or Ice Packs present	(Ice)	Ice Packs	No		
8	Did all bottles arrive in good condition (unbroken, etc....)?	(Yes)	No	N/A		
9	Type of packing material present	Netting	Vial Holder	(Bubble Wrap)		
		Paper	Styrofoam	Other	N/A	
10	Were all bottle labels complete (sample ID, preservation, etc....)?	(Yes)	No	N/A		
11	Did all bottle labels and tags agree with custody papers?	(Yes)	No	N/A		
12	Were the correct bottles used for the tests indicated?	(Yes)	No	N/A		
13	Were all of the preserved bottles received with the appropriate preservative?	Yes	No	(N/A)		
	HNO3 pH<2 H2SO4 pH<2 ZnAc2/NaOH pH>9 NaOH pH>12 HCl pH<2					
	Preservative additions noted below					
14	Were all samples received within analysis holding times?	(Yes)	No	N/A		
15	Were all VOA vials free of air bubbles? If present, note below	(Yes)	No	N/A		
16	Where did the bottles originate?	(ALS)	Client			

Sample ID	Reagent	Lot #	ml added	Initials Date/Time

Additional comments and/or explanation of all discrepancies noted above:

Trip Blank included

Client approval to run samples if discrepancies noted: Date:

CHAIN OF CUSTODY / LABORATORY ANALYSIS REQUEST FORM

SR # J1510030
ALS Contact

ALS Environmental

9143 Philips Highway, Suite 200 Jacksonville, FL 32256 / Ph(904) 739-2277 / FAX (904) 739-2011

Project Name	Project Number
Wilson Corners	FR0743C-20
Report To Emily Lawson	Report CC
Elawson@Geosyntec.com	
Company Address	
Geosyntec Consultants	
6770 S. Washington Ave, Ste. 3	
Titusville, FL 32780	
Phone #	FAX #
321-269-5880	321-269-5813
Sampler's Signature	Sampler's Printed Name Alex Warzinski ~~David Sizzemore~~

ANALYSIS REQUESTED (Include Method Number and Container Preservative)

J1510030 5
Geosyntec Consultants
Wilson Corners

4. NaOH
5. Zn. Acetate
6. MeOH
7. NaHSO4
8. Other

CLIENT SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	Matrix	Preservative	NUMBER OF CONTAINERS	VOCs (8260B)	REMARKS
							0	
WILC-NPSH-MW0027-012.5-201512 15		12/15/15	1421	W	2	2	2	
WILC-MW0057S-008.0-201512 15		12/15/15	900	W	2	2	2	
WILC-MW0064-008.0-201512 15		12/15/15	1016	W	3	3	3	
WILC-MW0074-008.0-201512 16		12/16/15	935	W	3	3	3	
WILC-MW0075-008.0-201512 16		12/16/15	1104	W	3	3	3	
WILC-MW0091-008.0-201512 15		12/15/15	1054	W	3	3	3	
WILC-MW0095-008.0-201512 15		12/15/15	1556	W	3	3	3	
WILC-MW0087-020.0-201512 15		12/15/15	1127	W	2	2	2	
WILC-MW0089-020.0-201512 15		12/15/15	1107	W	3	3	3	
WILC-MW0106-020.0-201512 15		12/15/15	840	W	2	2	2	

Special Instructions/Comments:

Please include data in NASA KEDD format.
Sample IDs on sample containers are abbreviated, use Chain of Custody IDs for reporting.
see updated well #s

0.1°C

TURNAROUND REQUIREMENTS
___ RUSH (SURCHARGES APPLY)
X STANDARD
REQUESTED FAX DATE:
REQUESTED REPORT DATE:

REPORT REQUIREMENTS
I Results Only
X II Results + QC Summaries (LCS, DUP, MS/MSD as required)
III Results + QC and Calibration Summaries
IV Data Validation Report with Raw Data
Edata ___ Yes ___ No

INVOICE INFORMATION
PO #
Bill to

Relinquished By	Received By	Relinquished By	Received By	Relinquished By	Received By
Signature	Signature	Signature	Signature	Signature	Signature
Printed Name ~~David Sizemore~~ Alex Warzinski	Printed Name Emily M Lawson	Printed Name	Printed Name Jim BALL	Printed Name	Printed Name
Firm Geosyntec Consultants	Firm Geosyntec	Firm	Firm RONABOUT	Firm	Firm ALS
Date/Time 12/16/15 1440	Date/Time 12/16/15 1440	Date/Time 12/17/15 1545	Date/Time 12/17/15 3:45	Date/Time	Date/Time 12.18.15

0825

CHAIN OF CUSTODY / LABORATORY ANALYSIS REQUEST FORM

SR # J1510030
ALS Contact

ALS Environmental

9143 Philips Highway, Suite 200 Jacksonville, FL 32256 / Ph(904) 739-2277 / FAX (904) 739-2011

Page 5 of 5

J1510030
Geosyntec Consultants
Wilson Corners

Project Name	Project Number
Wilson Corners	FR0743C-20
Report To ~~Emily Lawson~~	Report CC
Elawson@Geosyntec.com	
Company/Address	
Geosyntec Consultants 6770 S. Washington Ave, Ste. 3 Titusville, FL 32780	
Phone #	FAX #
321-269-5880	321-269-5813
Sampler's Signature	Sampler's Printed Name
	~~David Sizzemore~~ Alexander Warzinski

ANALYSIS REQUESTED (Include Method Number and Container Preservative Type)

Preservative: 0

CLIENT SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	Matrix	NUMBER OF CONTAINERS		VOCs (8260B)	REMARKS
WILC-MW0109-020.0-201512 15		12/15/15	1507	W	3		3	
WILC-MW0115-020.0-201512 16		12/16/15	945	W	3		3	
WILC-MW0116-020.0-201512 16		12/16/15	959	W	3		3	
WILC-MW0122-020.0-201512 16		12/16/15	1032	W	3		3	
WILC-MW0125-020.0-201512 15		12/15/15	1524	W	3		3	
WILC-MW0126-020.0-201512 15		12/15/15	1544	W	2		2	
WILC-NPSH-MW0015-031.5-201512 16		12/16/15	1022	W	2		2	
WILC-NPSH-MW0016-031.5-201512 15		12/15/15	1330	W	3		3	
WILC-NPSH-MW0017-031.5-201512 15		12/15/15	1411	W	3		3	
WILC-NPSH-MW0019-031.5-201512 15		12/15/15	1344	W	2		2	

1. HCL
2. HNO3
3. H2SO4
4. NaOH
5. Zn. Acetate
6. MeOH
7. NaHSO4
8. Other

Special Instructions/Comments:

Please include data in NASA KEDD format.
Sample IDs on sample containers are abbreviated, use Chain of Custody IDs for reporting.

see updated vial #s

0.1°C

TURNAROUND REQUIREMENTS

___ RUSH (SURCHARGES APPLY)
X STANDARD
REQUESTED FAX DATE:
REQUESTED REPORT DATE:

REPORT REQUIREMENTS

___ I Results Only
X II Results + QC Summaries (LCS, DUP, MS/MSD as required)
___ III Results + QC and Calibration Summaries
___ IV Data Validation Report with Raw Data
Edata ___ Yes ___ No

INVOICE INFORMATION

PO #
Bill to

Relinquished By	Received By	Relinquished By	Received By	Relinquished By	Received By
Signature: Alex Warzinski	Signature: Emily M Lawson	Signature:	Signature: Tim Ball	Signature:	Signature:
Printed Name: ~~David Sizemore~~ Alex Warzinski	Printed Name: Emily M Lawson	Printed Name:	Printed Name: ~~Tim~~ Tim BALL	Printed Name:	Printed Name: C Bailey
Firm: Geosyntec Consultants	Firm: Geosyntec	Firm:	Firm: RUNABOUT	Firm: Blue Streak	Firm: ALS
Date/Time: 12/16/15 1440	Date/Time: 12/16/15 1440	Date/Time: 12/17/15 545	Date/Time: 12/17/15 3:45	Date/Time:	Date/Time: 12.18.15 0825

CHAIN OF CUSTODY / LABORATORY ANALYSIS REQUEST FORM

SR # J1510030
ALS Contact

ALS Environmental

9143 Philips Highway, Suite 200 Jacksonville, FL 32256 / Ph(904) 739-2277 / FAX (904) 739-2011

Page 3 of 4

Project Name	Project Number
Wilson Corners	FR0743C-20
Report To Emily Lawson	Report CC
Elawson@Geosyntec.com	
Company/Address	
Geosyntec Consultants	
6770 S. Washington Ave, Ste. 3	
Titusville, FL 32780	
Phone #	FAX #
321-269-5880	321-269-5813
Sampler's Signature	Sampler's Printed Name
	~~David Sizzemore~~ Alex Uterwasser

ANALYSIS REQUESTED (Include Method Number and Container Preservative)

Preservative 0

Preservative Key: 0. None; 5. Zn. Acetate; 6. MeOH; 7. NaHSO4; 8. Other

J1510030
Geosyntec Consultants
Wilson Corners
5

CLIENT SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	Matrix	NUMBER OF CONTAINERS	VOCs (8260B)	REMARKS
WILC-NPSH-MW0020-031.5-201512 15		12/15/15	1458	W	2	2	
WILC-NPSH-MW0022-031.5-201512 15		12/15/15	1531	W	2	2	
WILC-MW0057I-031.5-201512 15		12/15/15	850	W	2	2	
WILC-MW0060I-031.5-201512 16		12/16/15	919	W	2	2	
WILC-MW0062-031.5-201512 15		12/15/15	927	W	3	3	
WILC-MW0065-031.5-201512 15		12/15/15	1006	W	2	2	
WILC-MW0072-031.5-201512 16		12/16/15	1042	W	3	3	
WILC-MW0080-031.5-201512 15		12/15/15	1028	W	2	2	
WILC-MW0088-031.5-201512 15		12/15/15	1134	W	3	3	
WILC-MW0090-031.5-201512 15		12/15/15	1116	W	2	2	
WILC-MW0097-031.5-201512 15		12/15/15	1603	W	2	2	

Special Instructions/Comments:

Please include data in NASA KEDD format.
Sample IDs on sample containers are abbreviated, use Chain of Custody IDs for reporting.

See updated vial #s

0.1°C

TURNAROUND REQUIREMENTS
___ RUSH (SURCHARGES APPLY)
X STANDARD
REQUESTED FAX DATE:
REQUESTED REPORT DATE:

REPORT REQUIREMENTS
I Results Only
X II Results + QC Summaries (LCS, DUP, MS/MSD as required)
III Results + QC and Calibration Summaries
IV Data Validation Report with Raw Data
Edata ___ Yes ___ No

INVOICE INFORMATION
PO #
Bill to

Relinquished By	Received By	Relinquished By	Received By	Relinquished By	Received By
Signature	Signature	Signature	Signature	Signature	Signature
Printed Name: ~~David Sizzemore~~ Alex Uterwasser	Printed Name: Emily M Lawson	Printed Name	Printed Name: Tim Rath	Printed Name	Printed Name
Firm: Geosyntec Consultants	Firm	Firm	Firm: RUNAITE T	Firm: Blue Streak	Firm: ALS
Date/Time: 12/16/15 1440	Date/Time: 12/16/15 1440	Date/Time: 12/17/15 154	Date/Time: 12/17/15 3:45	Date/Time	Date/Time: 12-18-15

0825

CHAIN OF CUSTODY / LABORATORY ANALYSIS REQUEST FORM

SR # J1510030
ALS Contact

ALS Environmental

9143 Philips Highway, Suite 200 Jacksonville, FL 32256 / Ph(904) 739-2277 / FAX (904) 739-2011

Page 4 of 4

Project Name	Project Number
Wilson Corners	FR0743C-20
Report To Emily Lawson	Report CC
Elawson@Geosyntec.com	
Company/Address	
Geosyntec Consultants	
6770 S. Washington Ave, Ste. 3 Titusville, FL 32780	
Phone #	FAX #
321-269-5880	321-269-5813
Sampler's Signature	Sampler's Printed Name
	~~David Sizemore~~ Alex Warzinski

ANALYSIS REQUESTED (Include Method Number and Container Preservative)

Preservative Key: 0. None; 6. MeOH; 7. NaHSO4; 8. Other

J1510030 5
Geosyntec Consultants
Wilson Corners

CLIENT SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	Matrix	NUMBER OF CONTAINERS	VOCs (8260B)	REMARKS
					Preservative	0	
WILC-NPSH-MW0025-042.5-201512 15		12/15/15	1437	W	3	3	
WILC-NPSH-MW0039-042.5-201512 15		12/15/15	1402	W	3	3	
WILC-MW0057D-042.5-201512 15		12/15/15	910	W	2	2	
WILC-MW0094-042.5-201512 15		12/15/15	953	W	2	2	
WILC-MW0118-042.5-201512 16		12/16/15	1053	W	3	3	
WILC-MW0120-042.5-201512 16		12/16/15	1135	W	3	3	
WILC-MW0078-067.5-201512 15		12/15/15	1258	W	2	2	
WILC-MW0083-073.5-201512 16		12/16/15	855	W	2	2	
WILC-MW0086-068.5-201512 15		12/15/15	942	W	2	2	
WILC-MW0130-061.0-201512 15		12/15/15	1310	W	3	3	

Special Instructions/Comments:

Please include data in NASA KEDD format.
Sample IDs on sample containers are abbreviated, use Chain of Custody IDs for reporting.

See updated url #5

O.C.

TURNAROUND REQUIREMENTS
___ RUSH (SURCHARGES APPLY)
X STANDARD
REQUESTED FAX DATE:
REQUESTED REPORT DATE:

REPORT REQUIREMENTS
___ I Results Only
X II Results + QC Summaries (LCS, DUP, MS/MSD as required)
___ III Results + QC and Calibration Summaries
___ IV Data Validation Report with Raw Data
Edata ___ Yes ___ No

INVOICE INFORMATION
PO # ___
Bill to ___

Relinquished By	Received By	Relinquished By	Received By	Relinquished By	Received By
Signature: Alexander Warzinski	Signature: [signature]	Signature: [signature]	Signature: [signature]	Signature:	Signature: [signature]
Printed Name: ~~David Sizemore~~ Alex Warzinski	Printed Name: Emily M Lawson	Printed Name:	Printed Name: Tim Ball	Printed Name:	Printed Name: [illegible]
Firm: Geosyntec Consultants	Firm:	Firm:	Firm: Runabout	Firm: BlueStreak	Firm: ALS
Date/Time: 12/16/15 1440	Date/Time: 12/16/15 1440	Date/Time: 12/17/15 1545	Date/Time: 12/17/15 3:45	Date/Time:	Date/Time: 12.18.15 0825

APPENDIX D

RIS COMPLETION TICKETS
(FURNISHED ON CD ONLY)

DATA CHECKER

Completion Ticket

On 2/18/2016 at 9:44 AM the following files were submitted to TtNUS

Completion_GSTTI_WILC_20160218.txt

Lithology_GSTTI_WILC_20160218.txt

Location_GSTTI_WILC_20160218.txt

Project_GSTTI_WILC_20160218.txt

Result_GSTTI_WILC_20160218.txt

Sample_GSTTI_WILC_20160218.txt

Water_GSTTI_WILC_20160218.txt

The following comment was provided with this submission:
DEC 2015 GW LTM

If you need to identify this session at a later date you may use the Ticket Key:

Repository2016218_3105071618_kedd_GSTTI

You may print this page by clicking on the "Print This Page" button

Thank you for using the Data Checker, to upload more files click the "Upload Files" link in the menu.

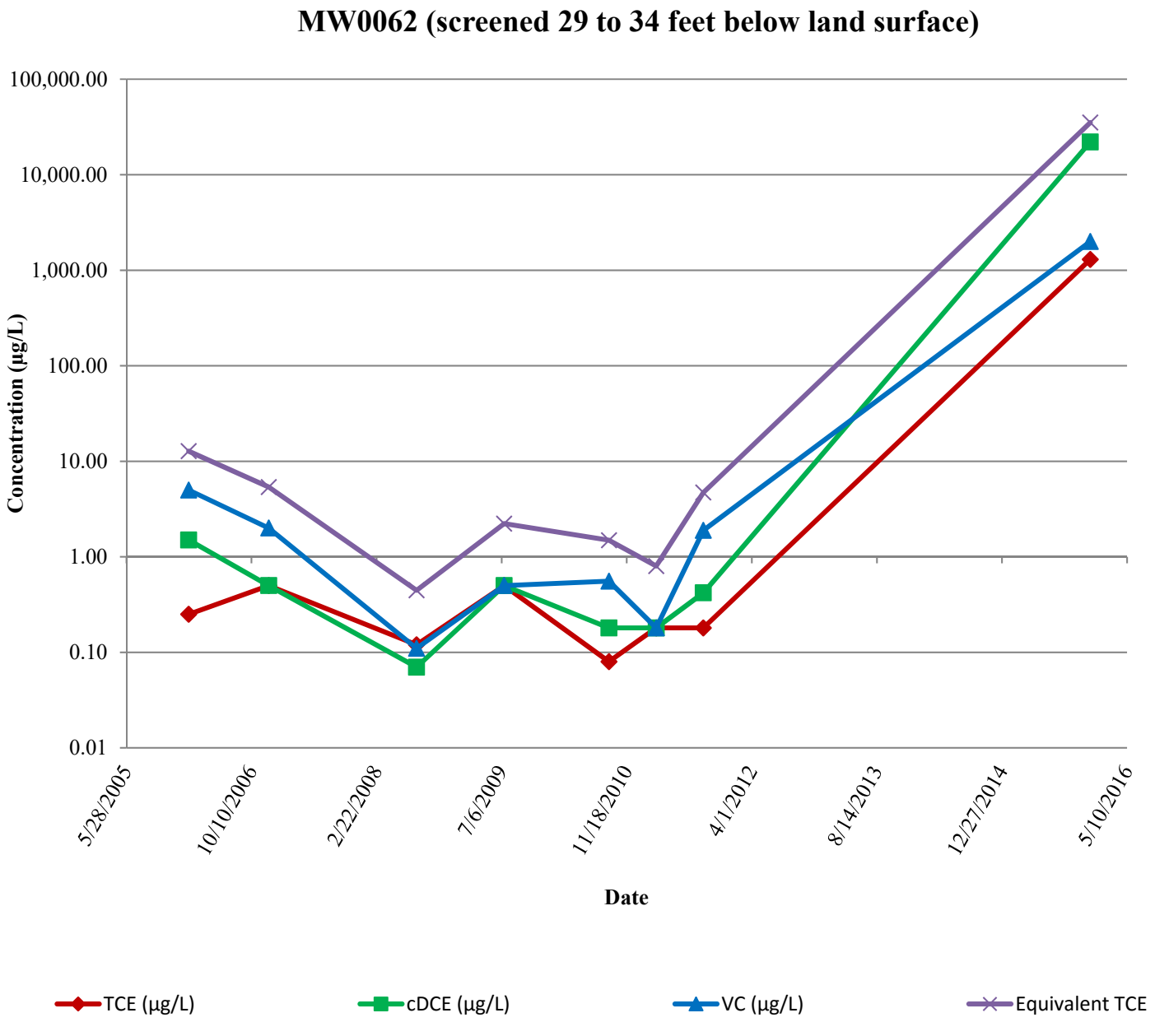
Print this Page

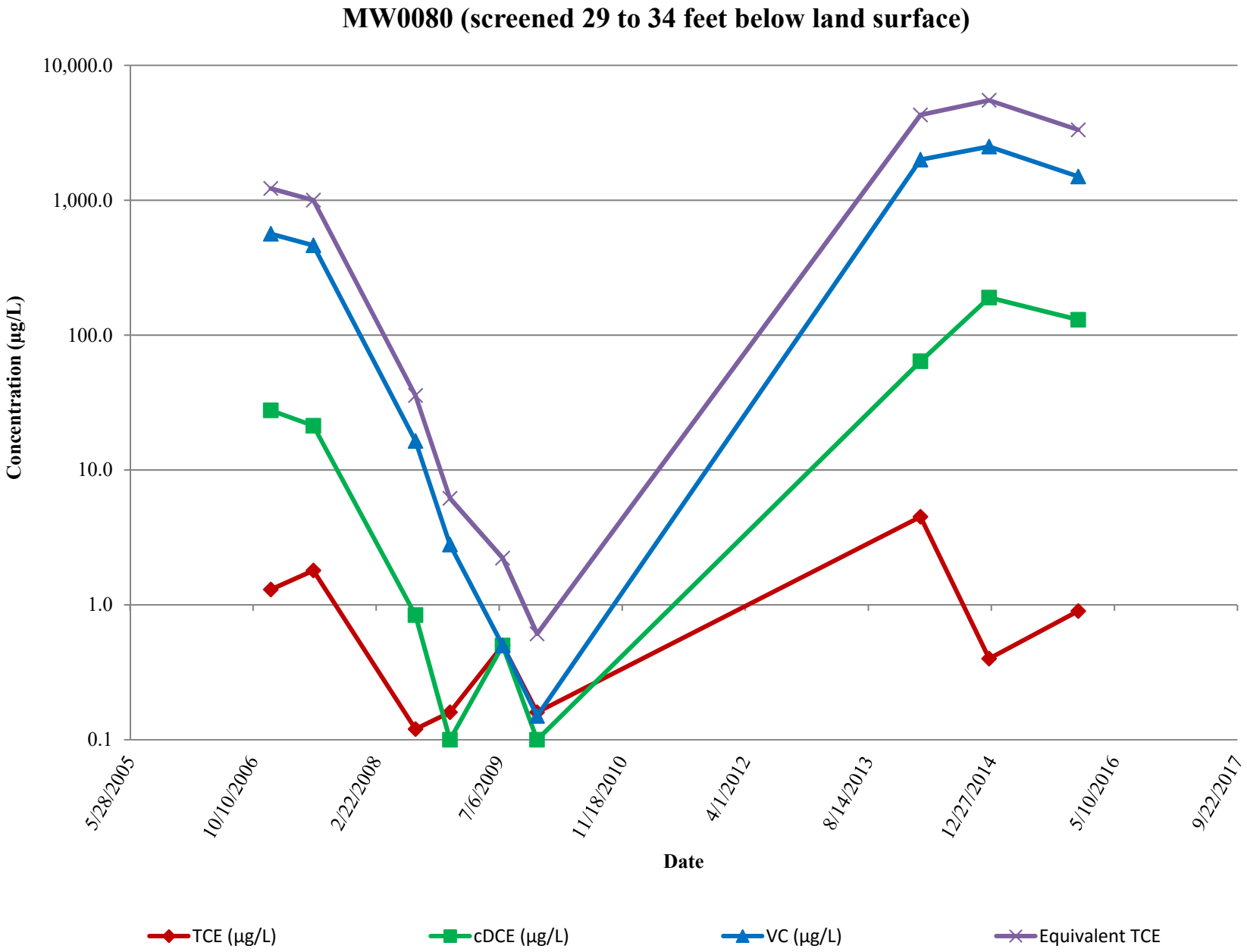
APPENDIX E

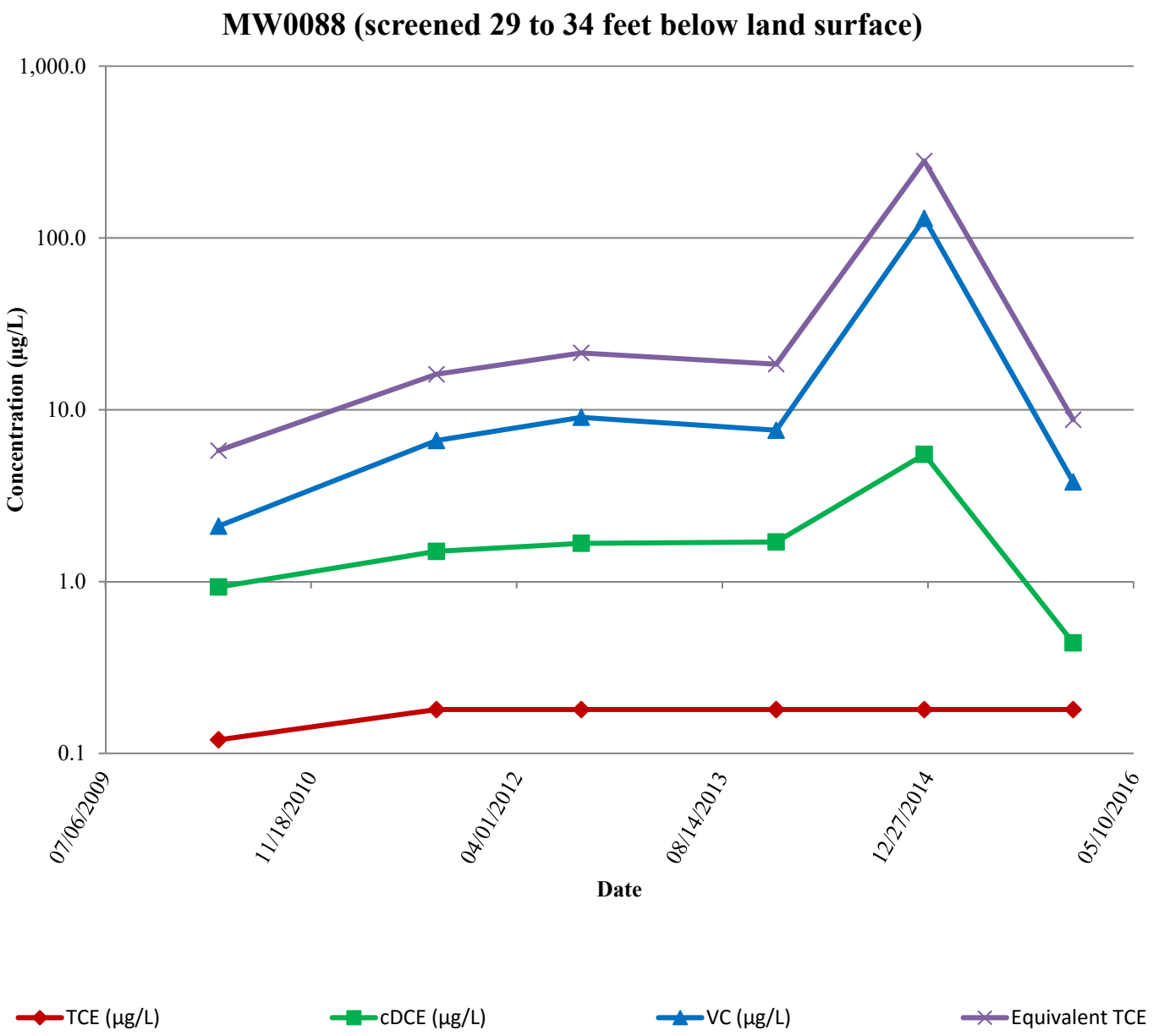
VOC TREND GRAPHS

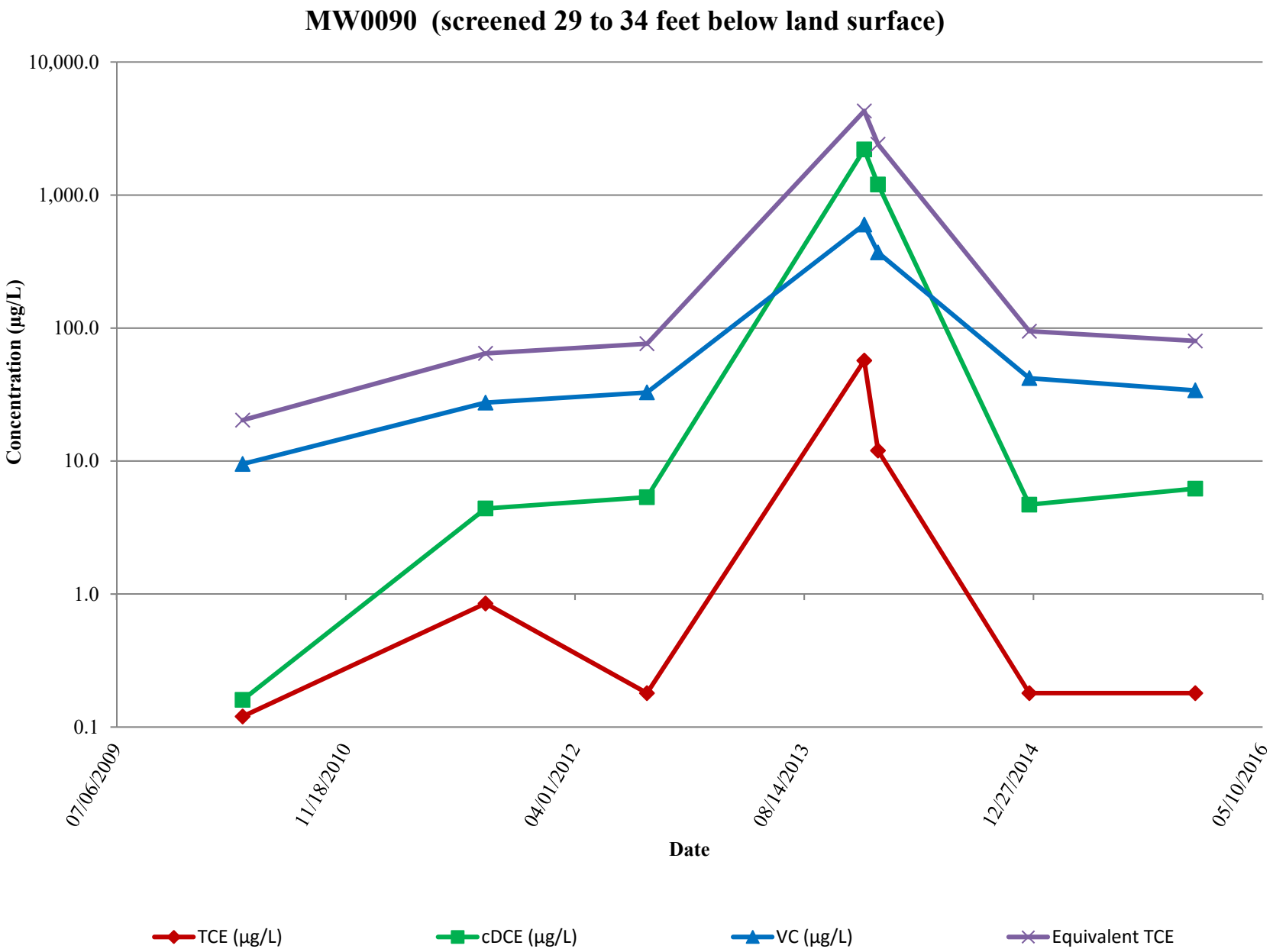
Trend Graphs are Provided for Monitoring Wells:

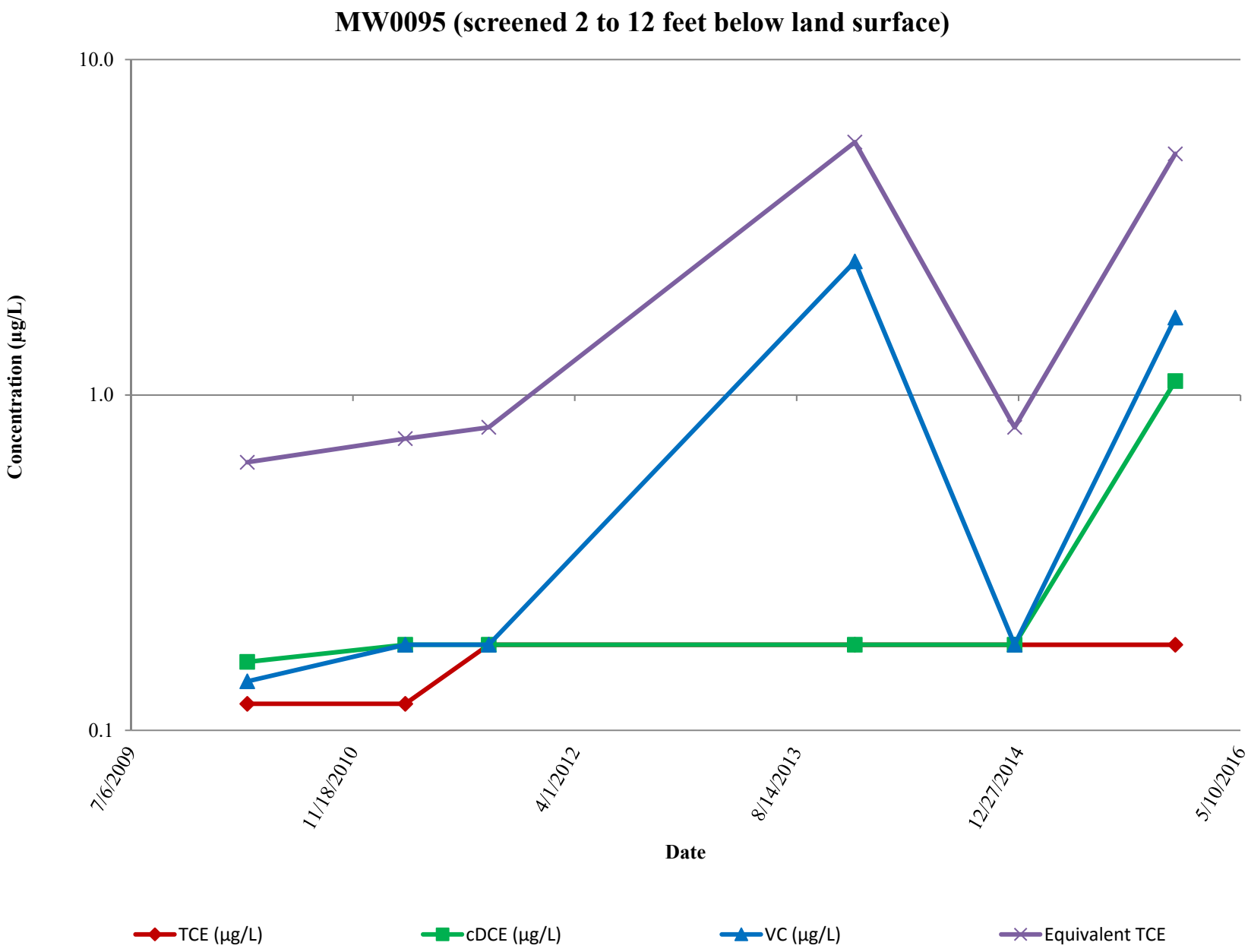
Peripheral Wells	
Well ID	**Screen Depth Interval (feet below land surface)**
MW0062	29 to 34
MW0064	2 to 12
MW0080	29 to 34
MW0088	29 to 34
MW0090	29 to 34
MW0095	2 to 12
Internal Plume Wells	
Well ID	**Screen Depth Interval (feet below land surface)**
MW0060I	29 to 34
MW0065	29 to 34
MW0097	29 to 34
MW0109	15 to 25
MW0116	15 to 25
MW0118	40 to 45
NPSH-MW0016	29 to 34
NPSH-MW0017	29 to 34
NPSH-MW0019	29 to 34
NPSH-MW0020	29 to 34
NPSH-MW0027	10 to 15
NPSH-MW0039	40 to 45
Vertical Extent Wells	
Well ID	**Screen Depth Interval (feet below land surface)**
MW0078	65 to 70

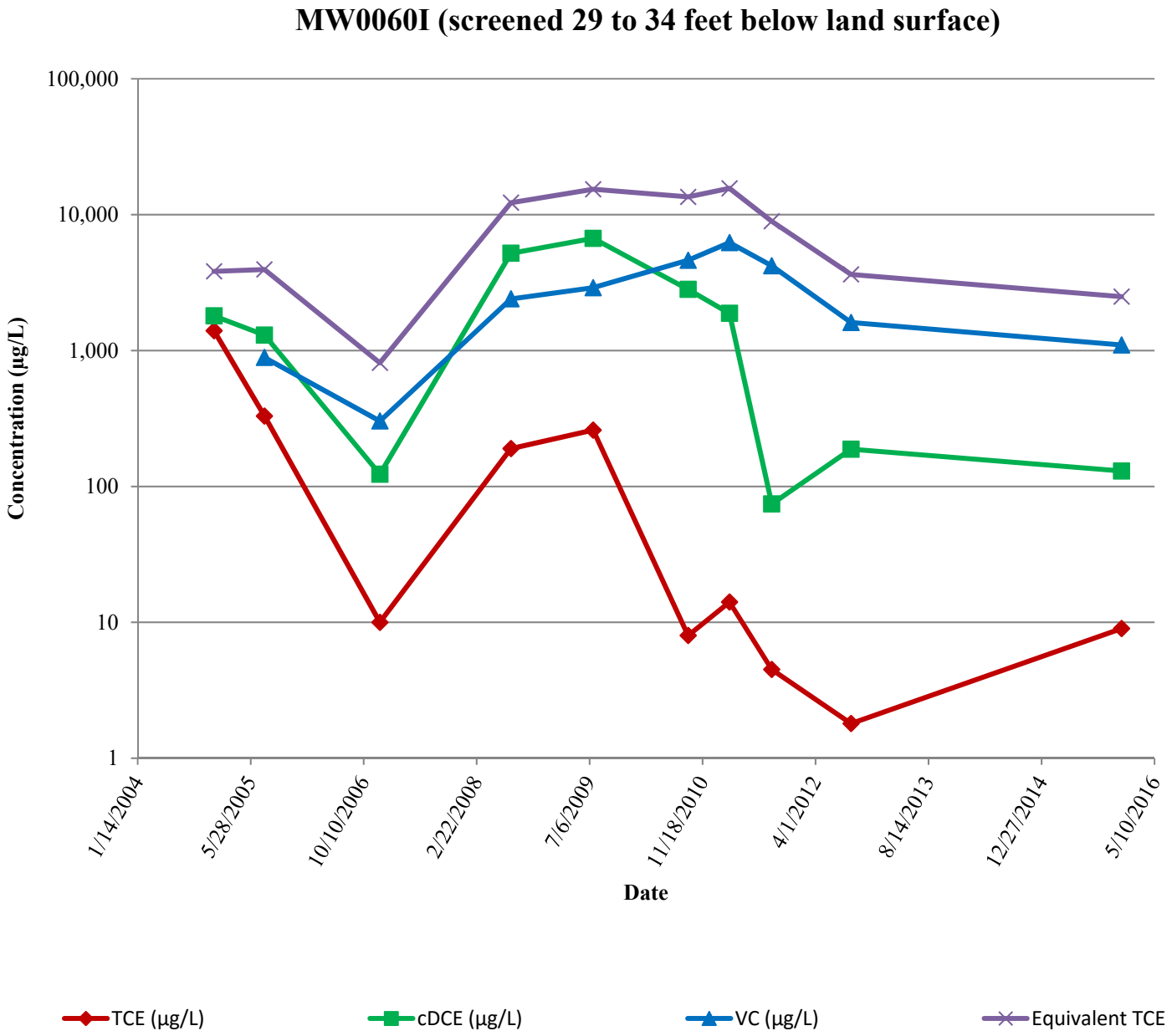

MW0062 (screened 29 to 34 feet below land surface)
100,000.00
10,000.00
1,000.00
100.00
10.00
1.00
0.10
0.01
Concentration (µg/L)
5/28/2005
10/10/2006
2/22/2008
7/6/2009
11/18/2010
4/1/2012
8/14/2013
12/27/2014
5/10/2016
Date
TCE (µg/L)
cDCE (µg/L)
VC (µg/L)
Equivalent TCE

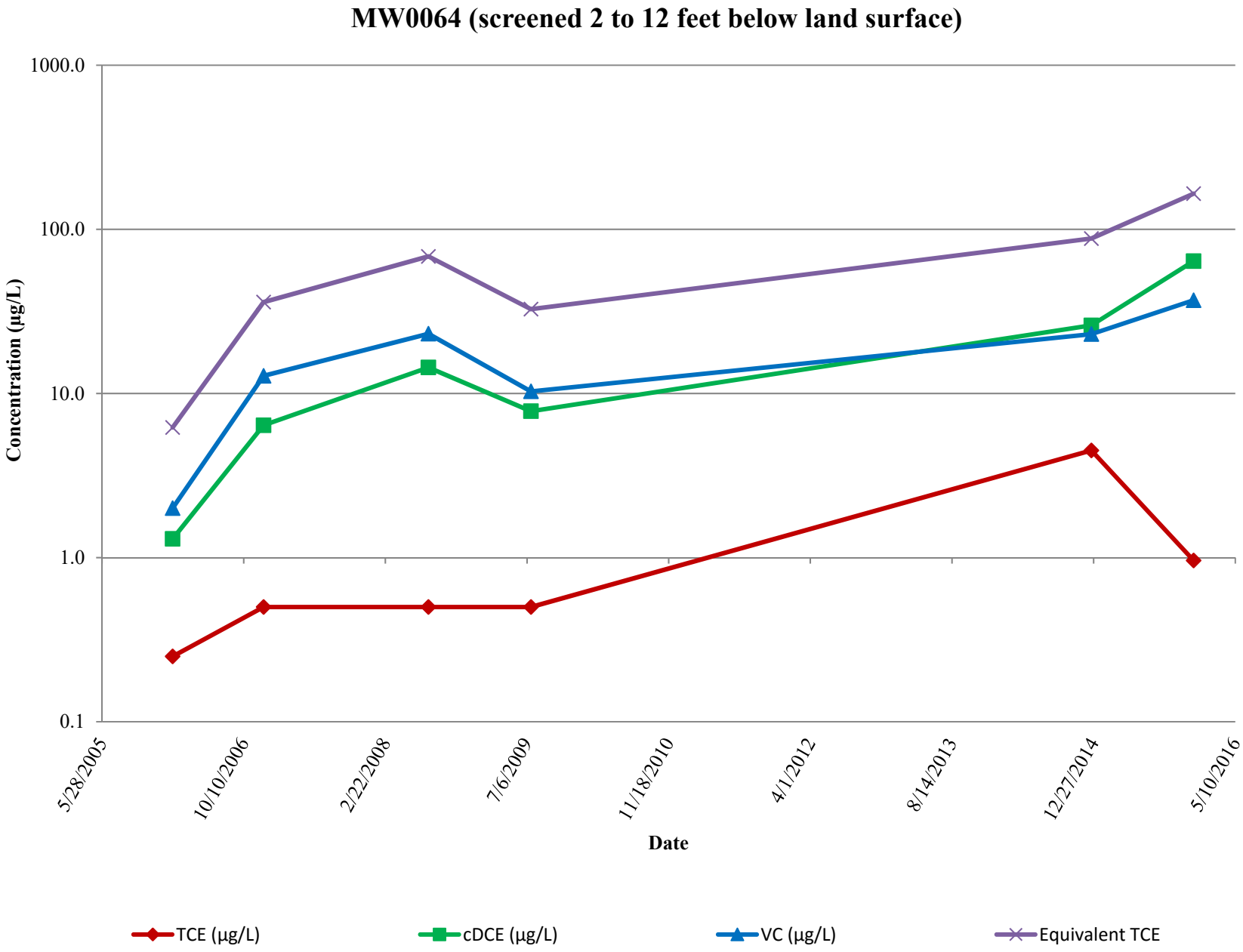

MW0080 (screened 29 to 34 feet below land surface)
10,000.0
1,000.0
100.0
10.0
1.0
0.1
Concentration (µg/L)
5/28/2005
10/10/2006
2/22/2008
7/6/2009
11/18/2010
4/1/2012
8/14/2013
12/27/2014
5/10/2016
9/22/2017
Date
TCE (µg/L)
cDCE (µg/L)
VC (µg/L)
Equivalent TCE

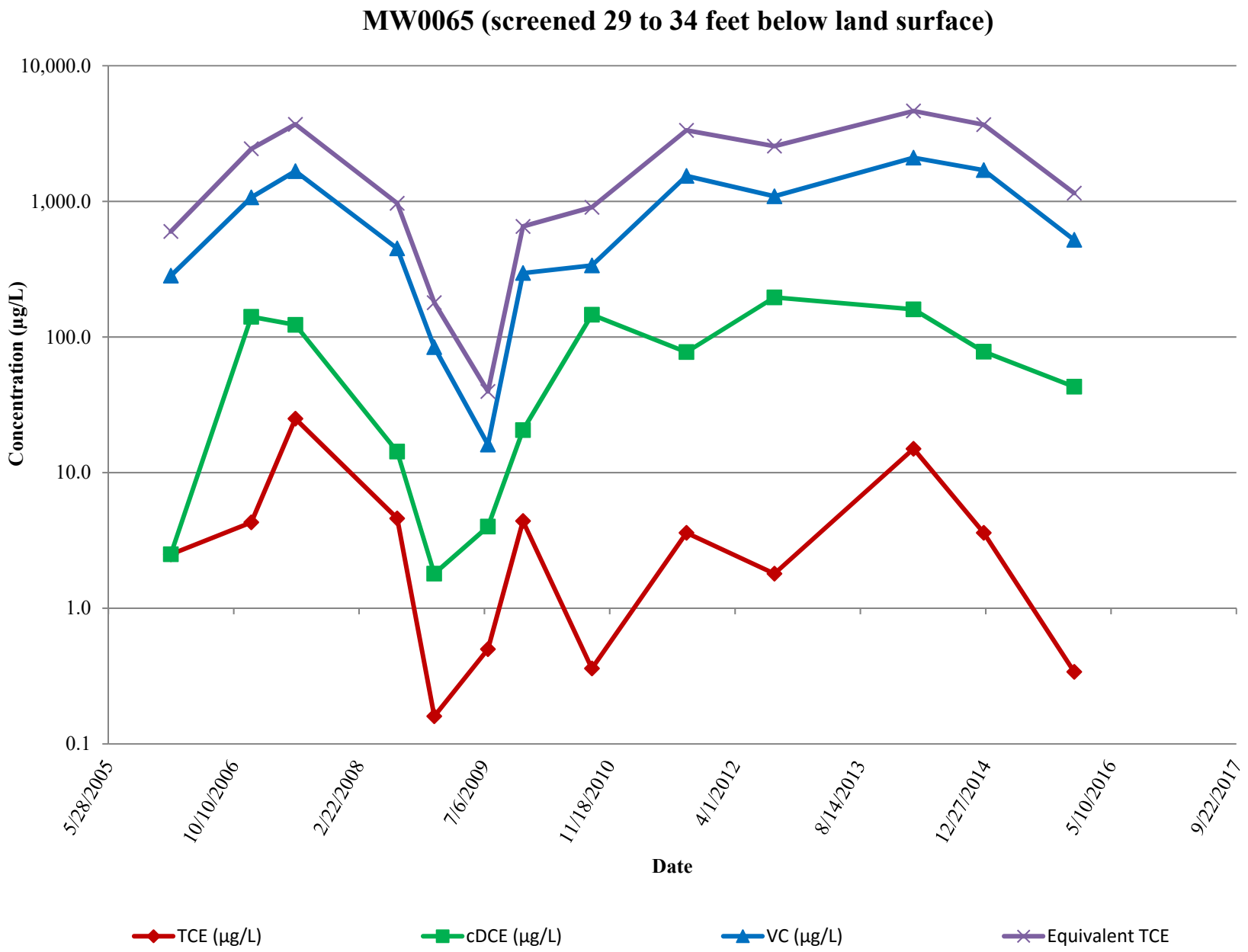

MW0088 (screened 29 to 34 feet below land surface)
1,000.0
100.0
10.0
1.0
0.1
Concentration (µg/L)
07/06/2009
11/18/2010
04/01/2012
08/14/2013
12/27/2014
05/10/2016
Date
TCE (µg/L)
cDCE (µg/L)
VC (µg/L)
Equivalent TCE

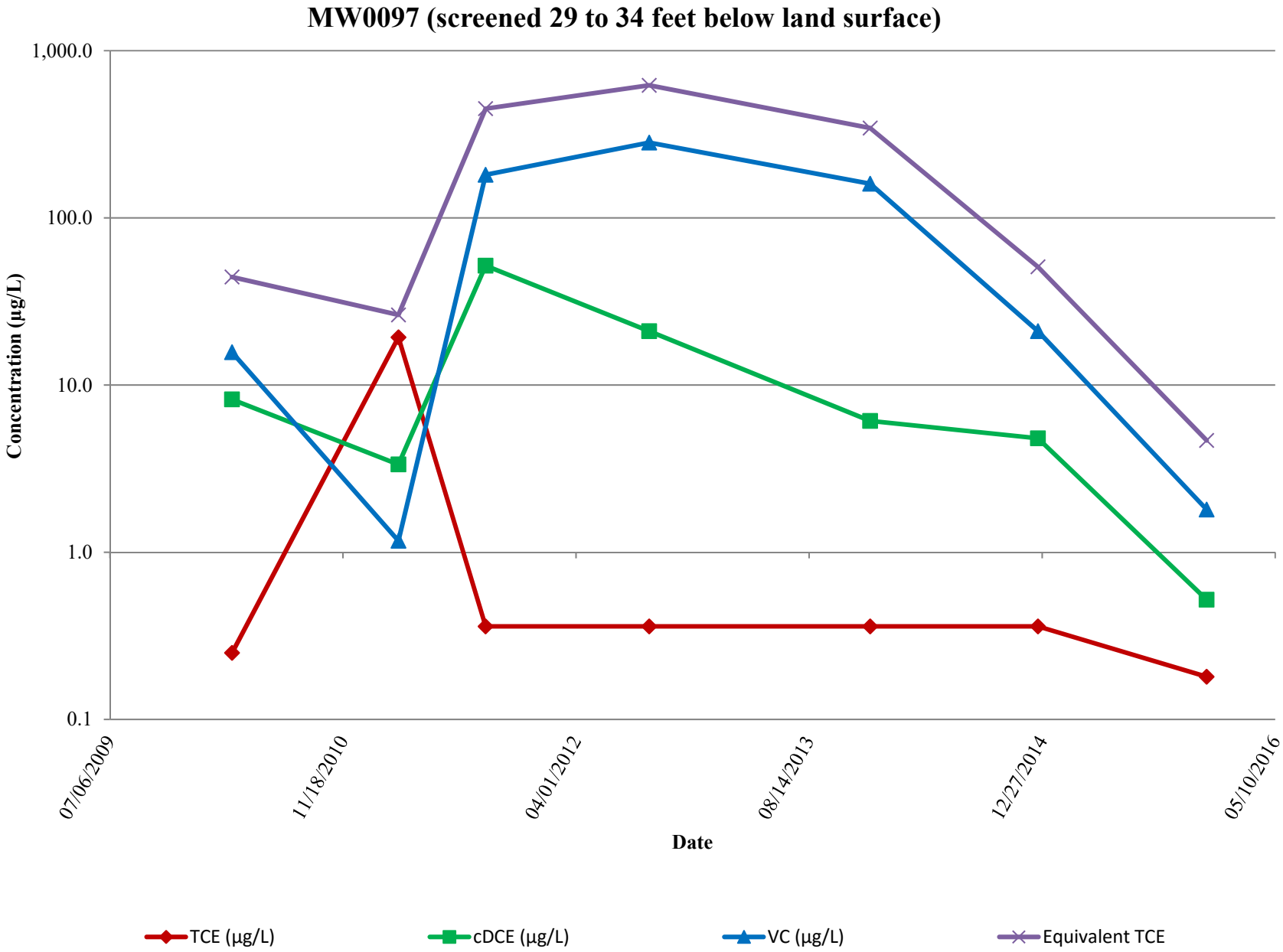

MW0090 (screened 29 to 34 feet below land surface)
10,000.0
1,000.0
100.0
10.0
1.0
0.1
Concentration (µg/L)
07/06/2009
11/18/2010
04/01/2012
08/14/2013
12/27/2014
05/10/2016
Date
TCE (µg/L)
cDCE (µg/L)
VC (µg/L)
Equivalent TCE

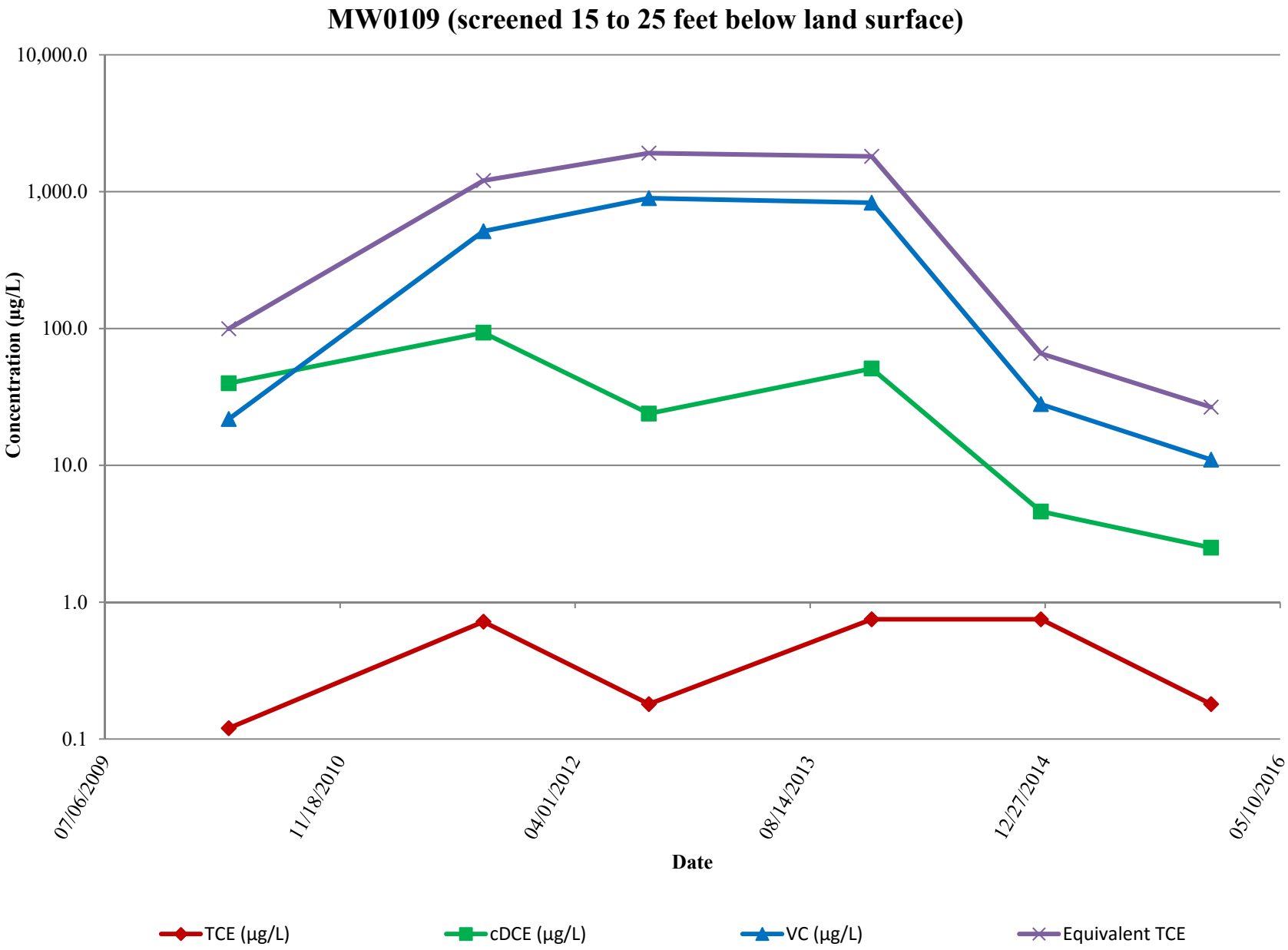

MW0095 (screened 2 to 12 feet below land surface)
10.0
1.0
0.1
Concentration (µg/L)
7/6/2009
11/18/2010
4/1/2012
8/14/2013
12/27/2014
5/10/2016
Date
TCE (µg/L)
cDCE (µg/L)
VC (µg/L)
Equivalent TCE

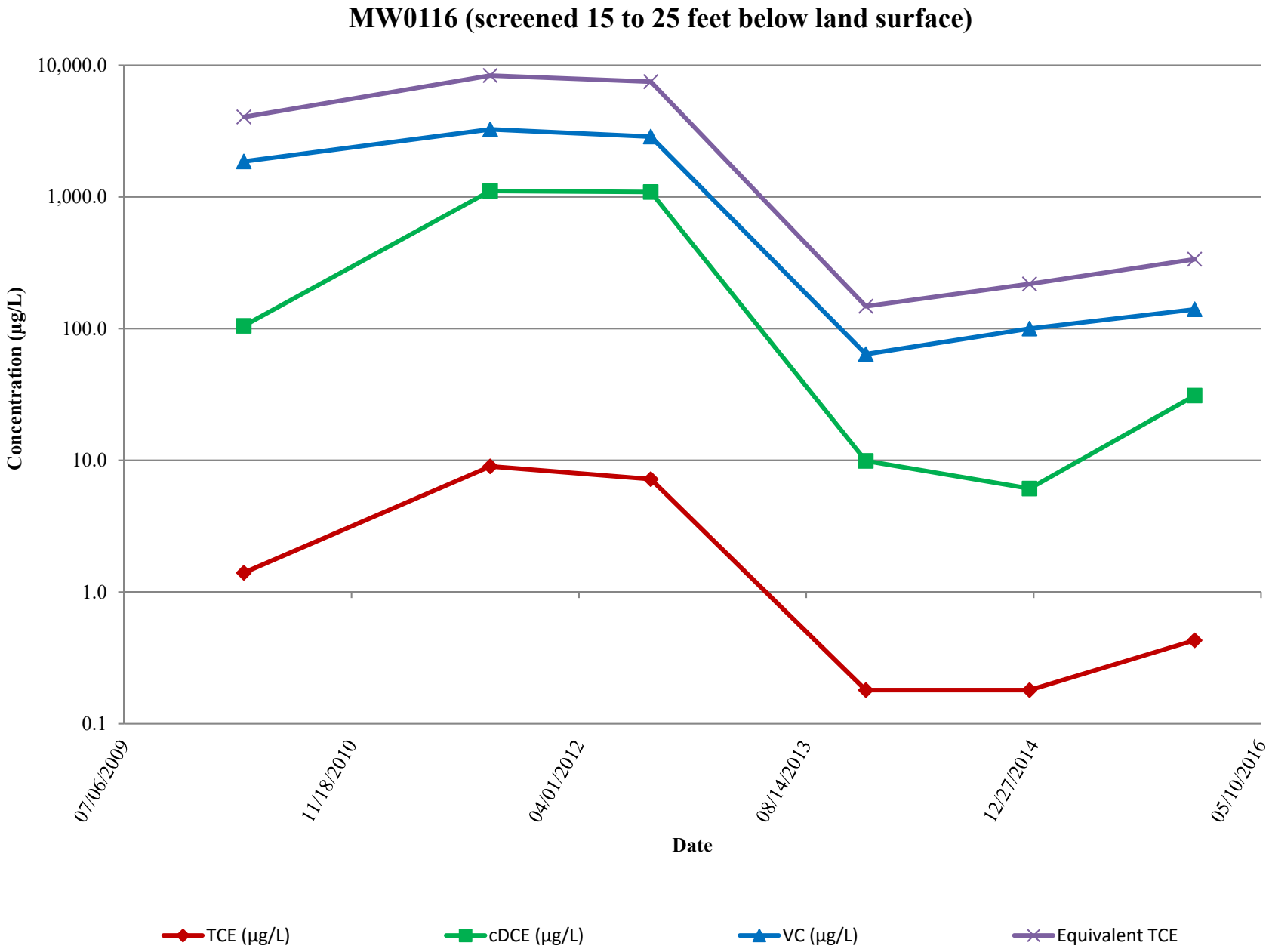

MW0060I (screened 29 to 34 feet below land surface)
Concentration (µg/L)
100,000
10,000
1,000
100
10
1
1/14/2004
5/28/2005
10/10/2006
2/22/2008
7/6/2009
11/18/2010
4/1/2012
8/14/2013
12/27/2014
5/10/2016
Date
TCE (µg/L)
cDCE (µg/L)
VC (µg/L)
Equivalent TCE

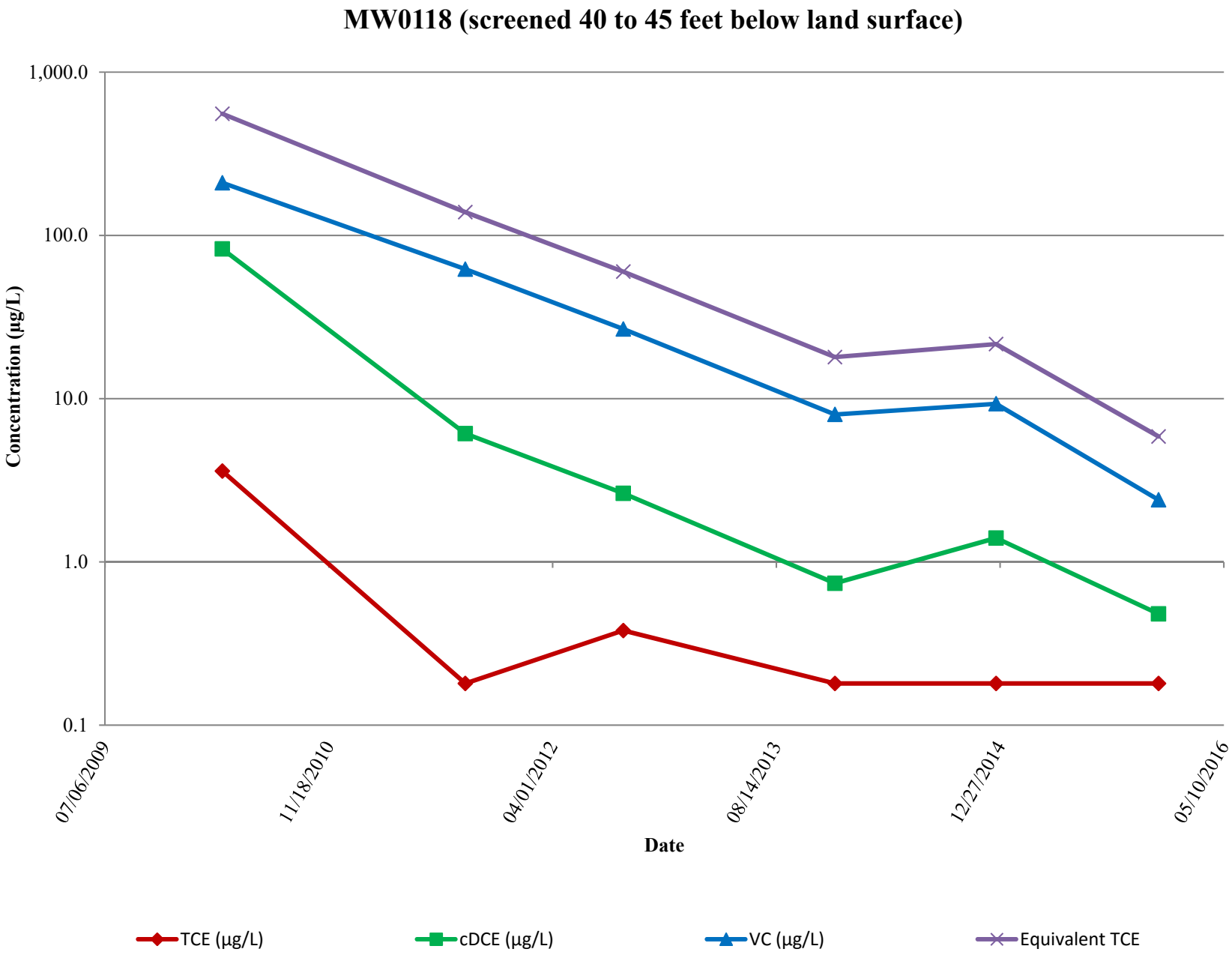

MW0064 (screened 2 to 12 feet below land surface)
1000.0
100.0
10.0
1.0
0.1
Concentration (µg/L)
5/28/2005
10/10/2006
2/22/2008
7/6/2009
11/18/2010
4/1/2012
8/14/2013
12/27/2014
5/10/2016
Date
TCE (µg/L)
cDCE (µg/L)
VC (µg/L)
Equivalent TCE

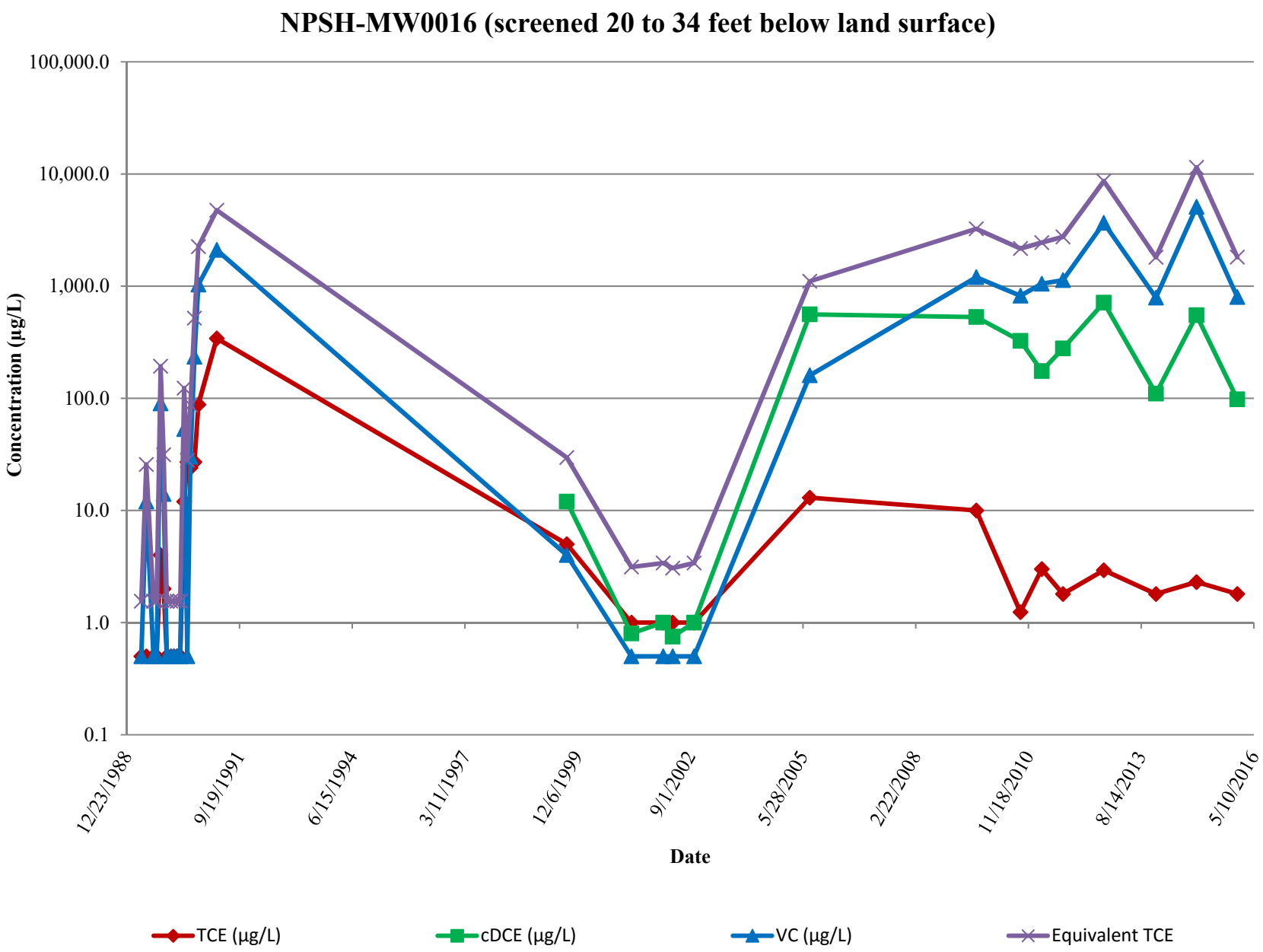

MW0065 (screened 29 to 34 feet below land surface)
10,000.0
1,000.0
100.0
10.0
1.0
0.1
Concentration (µg/L)
5/28/2005
10/10/2006
2/22/2008
7/6/2009
11/18/2010
4/1/2012
8/14/2013
12/27/2014
5/10/2016
9/22/2017
Date
TCE (µg/L)
cDCE (µg/L)
VC (µg/L)
Equivalent TCE

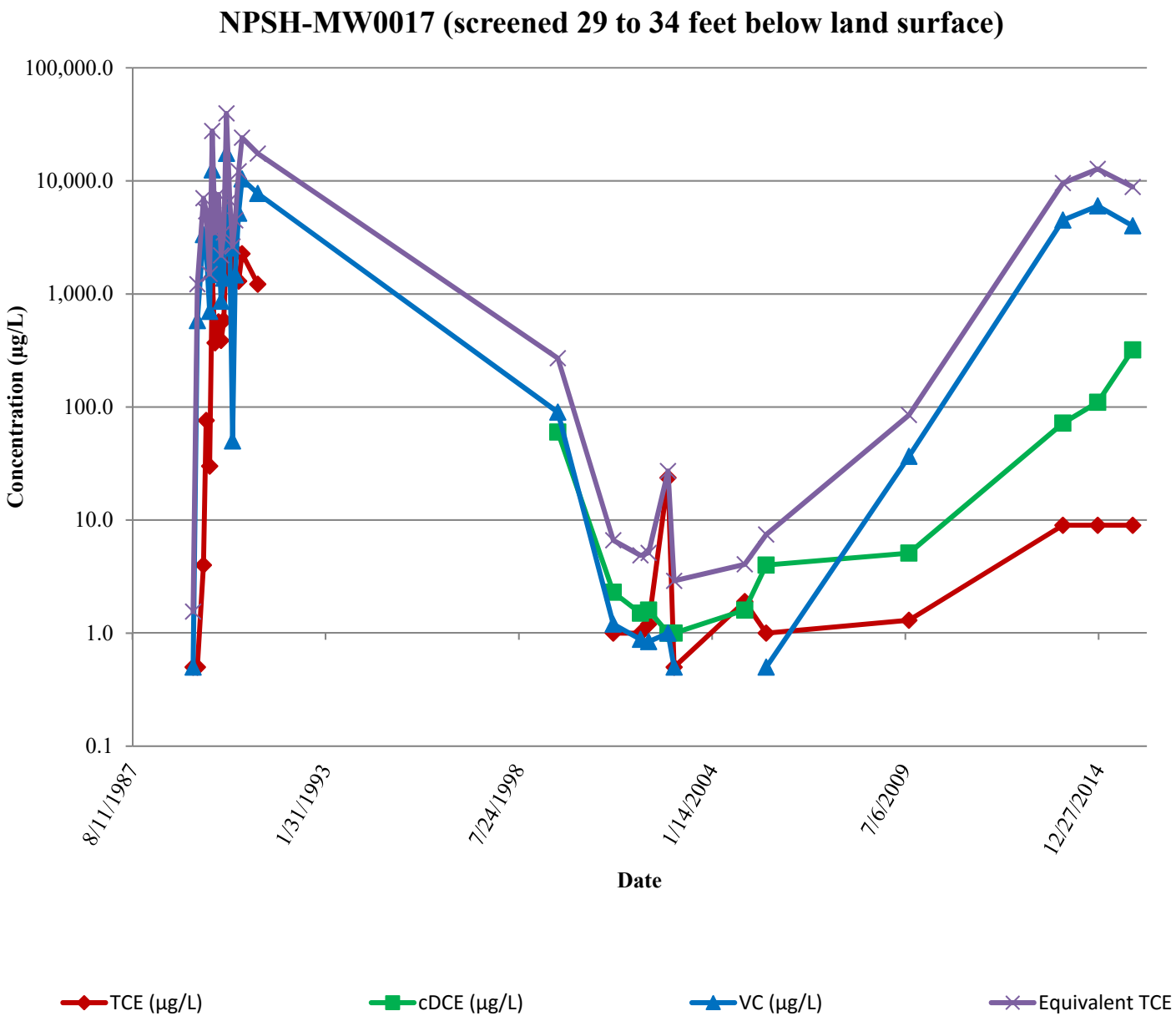

MW0097 (screened 29 to 34 feet below land surface)
1,000.0
100.0
10.0
1.0
0.1
Concentration (µg/L)
07/06/2009
11/18/2010
04/01/2012
08/14/2013
12/27/2014
05/10/2016
Date
TCE (µg/L)
cDCE (µg/L)
VC (µg/L)
Equivalent TCE

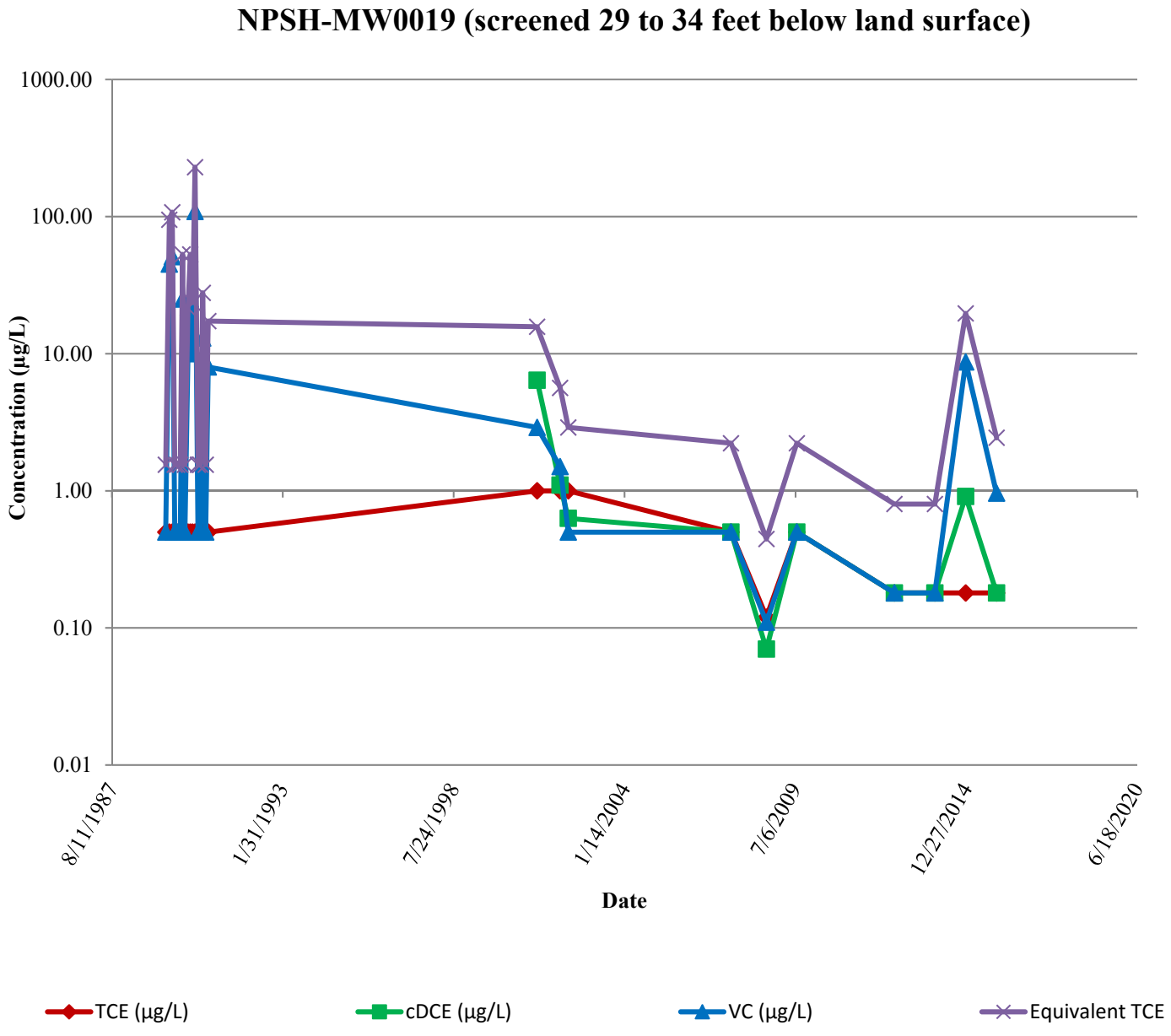

MW0109 (screened 15 to 25 feet below land surface)
10,000.0
1,000.0
100.0
10.0
1.0
0.1
Concentration (µg/L)
07/06/2009
11/18/2010
04/01/2012
08/14/2013
12/27/2014
05/10/2016
Date
TCE (µg/L)
cDCE (µg/L)
VC (µg/L)
Equivalent TCE

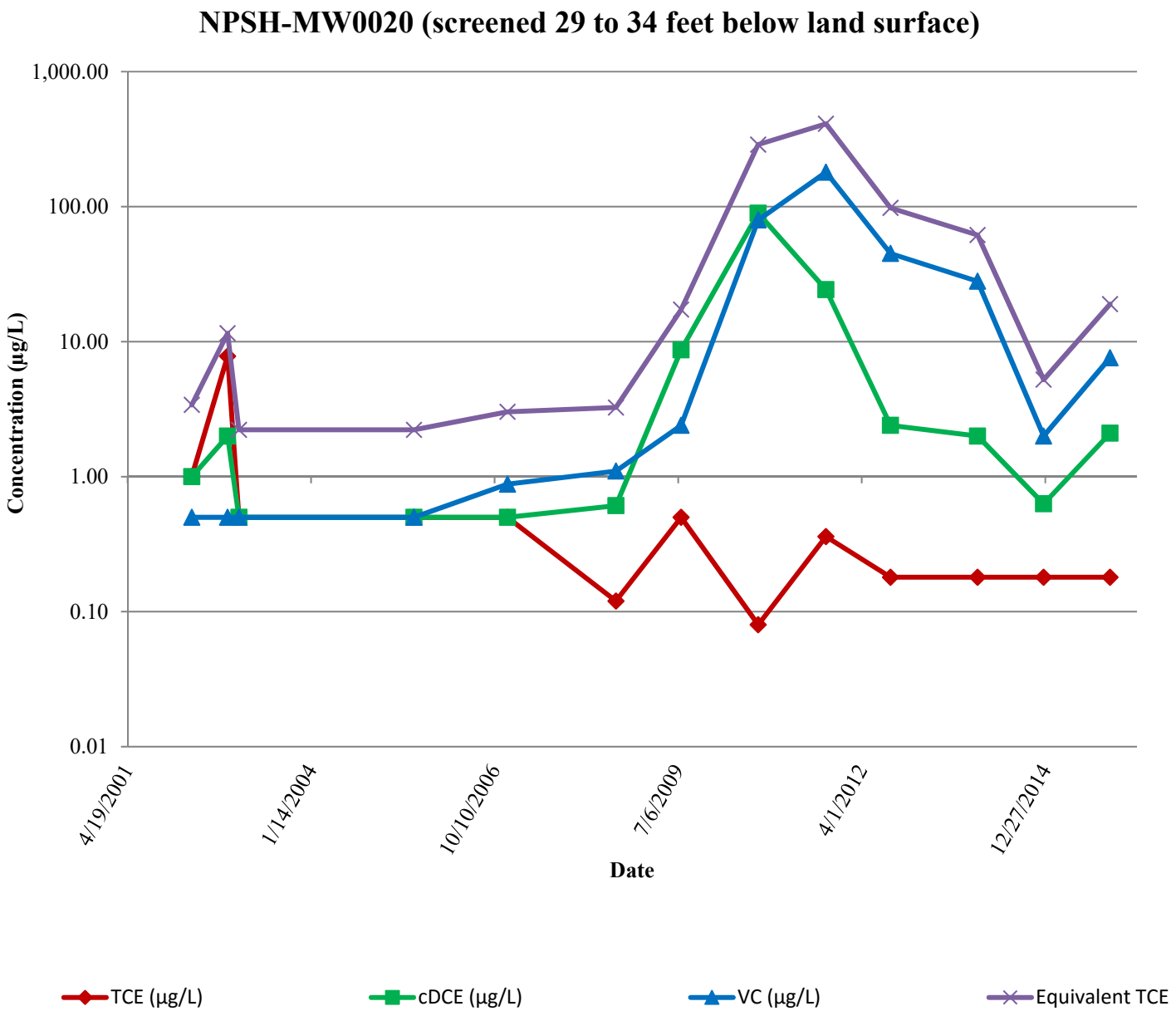

MW0116 (screened 15 to 25 feet below land surface)
10,000.0
1,000.0
100.0
10.0
1.0
0.1
Concentration (µg/L)
07/06/2009
11/18/2010
04/01/2012
08/14/2013
12/27/2014
05/10/2016
Date
TCE (µg/L)
cDCE (µg/L)
VC (µg/L)
Equivalent TCE

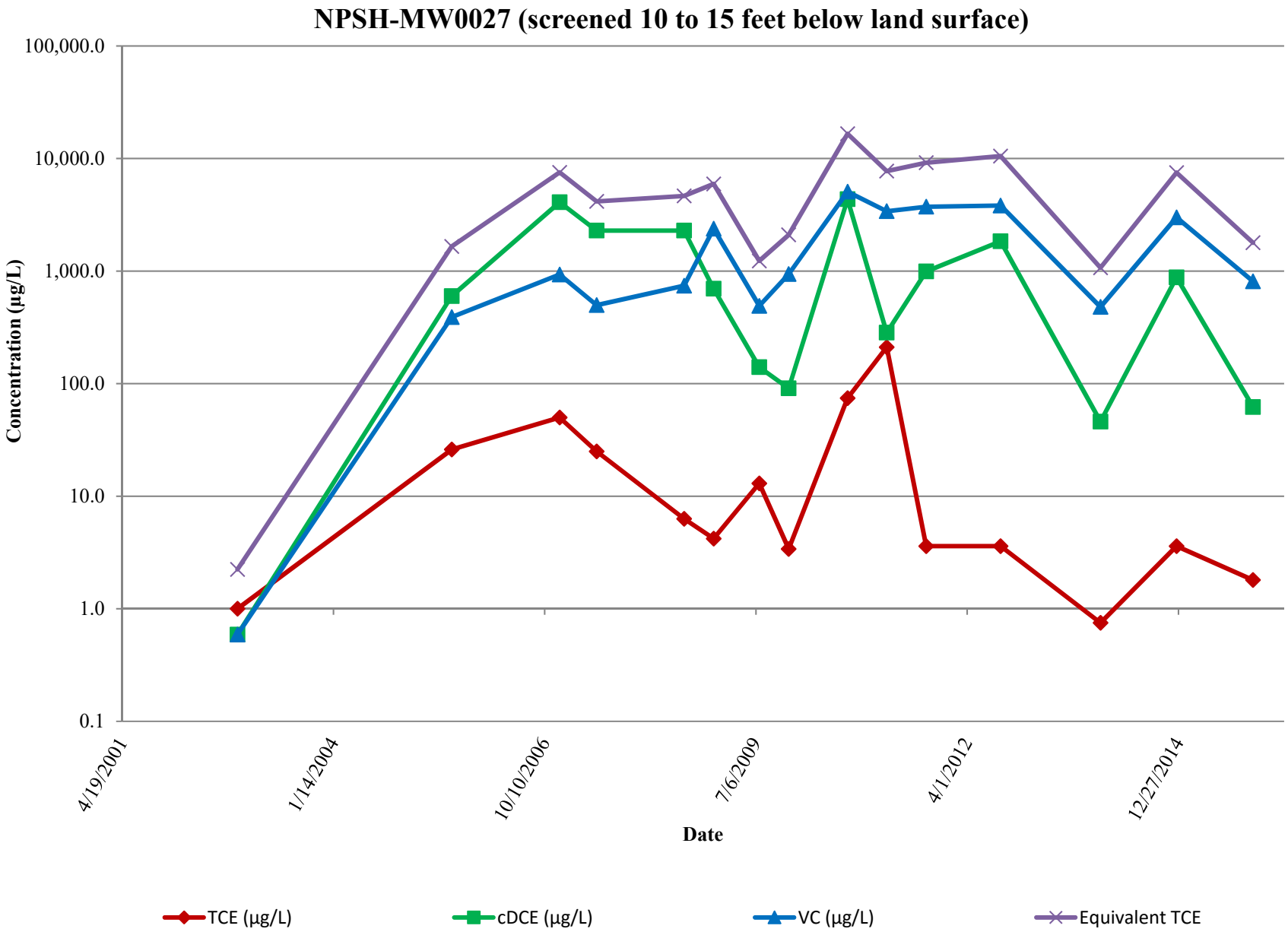

MW0118 (screened 40 to 45 feet below land surface)
1,000.0
100.0
10.0
1.0
0.1
Concentration (µg/L)
07/06/2009
11/18/2010
04/01/2012
08/14/2013
12/27/2014
05/10/2016
Date
TCE (µg/L)
cDCE (µg/L)
VC (µg/L)
Equivalent TCE

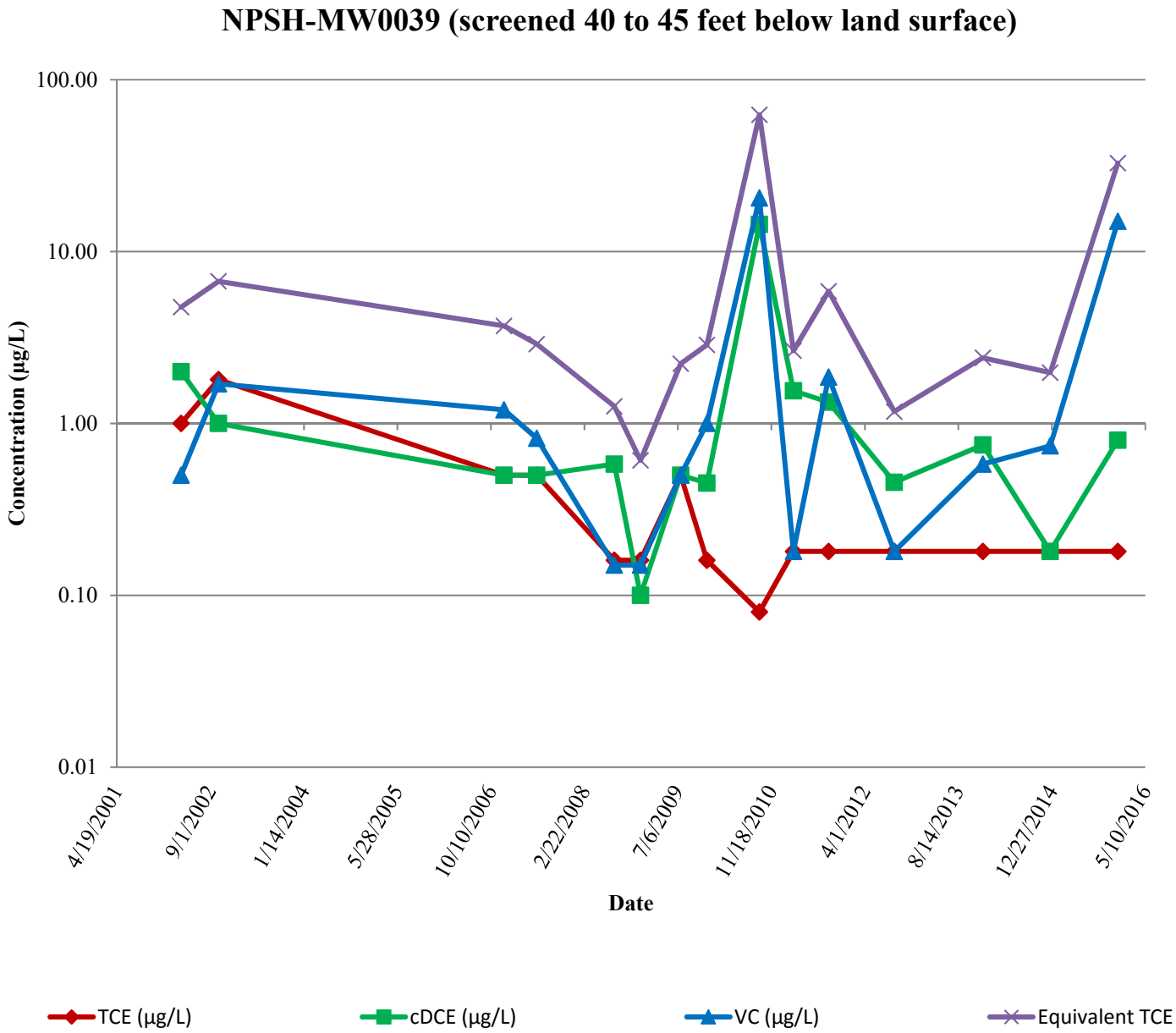

NPSH-MW0016 (screened 20 to 34 feet below land surface)
100,000.0
10,000.0
1,000.0
100.0
10.0
1.0
0.1
Concentration (µg/L)
12/23/1988
9/19/1991
6/15/1994
3/11/1997
12/6/1999
9/1/2002
5/28/2005
2/22/2008
11/18/2010
8/14/2013
5/10/2016
Date
TCE (µg/L)
cDCE (µg/L)
VC (µg/L)
Equivalent TCE

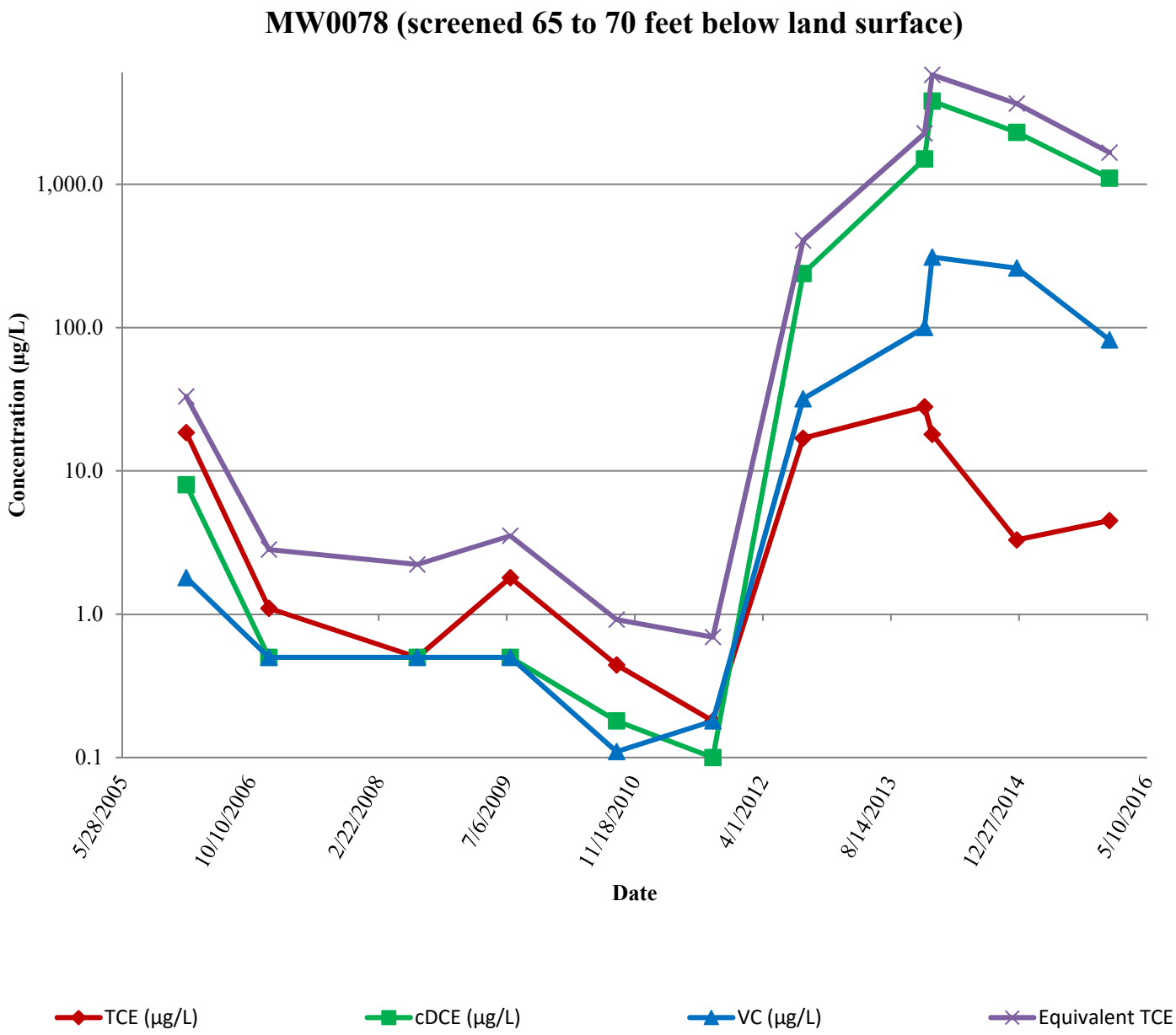

NPSH-MW0017 (screened 29 to 34 feet below land surface)
100,000.0
10,000.0
1,000.0
100.0
10.0
1.0
0.1
Concentration (µg/L)
8/11/1987
1/31/1993
7/24/1998
1/14/2004
7/6/2009
12/27/2014
Date
TCE (µg/L)
cDCE (µg/L)
VC (µg/L)
Equivalent TCE


NPSH-MW0019 (screened 29 to 34 feet below land surface)
1000.00
100.00
10.00
1.00
0.10
0.01
Concentration (µg/L)
8/11/1987
1/31/1993
7/24/1998
1/14/2004
7/6/2009
12/27/2014
6/18/2020
Date
TCE (µg/L)
cDCE (µg/L)
VC (µg/L)
Equivalent TCE


NPSH-MW0020 (screened 29 to 34 feet below land surface)
1,000.00
100.00
10.00
1.00
0.10
0.01
Concentration (µg/L)
4/19/2001
1/14/2004
10/10/2006
7/6/2009
4/1/2012
12/27/2014
Date
TCE (µg/L)
cDCE (µg/L)
VC (µg/L)
Equivalent TCE


NPSH-MW0027 (screened 10 to 15 feet below land surface)
100,000.0
10,000.0
1,000.0
100.0
10.0
1.0
0.1
Concentration (µg/L)
4/19/2001
1/14/2004
10/10/2006
7/6/2009
4/1/2012
12/27/2014
Date
TCE (µg/L)
cDCE (µg/L)
VC (µg/L)
Equivalent TCE


NPSH-MW0039 (screened 40 to 45 feet below land surface)
100.00
10.00
1.00
0.10
0.01
Concentration (µg/L)
4/19/2001
9/1/2002
1/14/2004
5/28/2005
10/10/2006
2/22/2008
7/6/2009
11/18/2010
4/1/2012
8/14/2013
12/27/2014
5/10/2016
Date
TCE (µg/L)
cDCE (µg/L)
VC (µg/L)
Equivalent TCE


MW0078 (screened 65 to 70 feet below land surface)
Concentration (µg/L)
1,000.0
100.0
10.0
1.0
0.1
5/28/2005
10/10/2006
2/22/2008
7/6/2009
11/18/2010
4/1/2012
8/14/2013
12/27/2014
5/10/2016
Date
TCE (µg/L)
cDCE (µg/L)
VC (µg/L)
Equivalent TCE