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US ARMY INSTALLATION MANAGEMENT COMMAND
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FORT GEORGE G. MEADE, MARYLAND 20755-5000

June 8, 2016

Environmental Division

Mr. Robert Stroud
U.S. Environmental Protection Agency
USEPA REGION 3
1650 Arch Street
Philadelphia, PA 19103-2029

Dear Mr. Stroud:

Enclosed please find the *2015 Annual Groundwater Monitoring Report for FGGM-13, Former Pesticide Shop* at Fort George G. Meade (Report). The Report has been revised per comments from the Maryland Department of the Environment (MDE) and U.S. Environmental Protection Agency (USEPA) dated May 11, 2016 and June 6, 2016, respectively. MDE and USEPA concurred on June 7, 2016 to the response to comments submitted on June 6, 2016. This Report is now considered Final. Copies of the submittal have also been furnished to Fran Coulters (U.S. Army Environmental Command), Tim Peck (U.S. Army Corps of Engineers), Elisabeth Green (MDE), and the Fort George G. Meade Restoration Advisory Board.

If you have any questions, please feel free to contact Denise Tegtmeyer at (301) 677-9559 or me at (301) 677-7999.

Sincerely,

George B. Knight, PG
Program Manager, Installation Restoration Program
Directorate of Public Works Environmental Division

Enclosure

Mr. Timothy Peck
ATTN: CENAB-EN-HM
U.S. Army Corps of Engineers, Baltimore District
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Baltimore, MD 21201

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Subject:
2015 Annual Groundwater Monitoring Report
FGGM 13, Former Pesticide Shop, Building 6621
Fort George G. Meade, Anne Arundel County, Maryland

ENVIRONMENT

Date:
June 8, 2016

Contact:
John Cherry

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410 923 7763

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Our ref:
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Dear Mr. Peck:

This letter presents the groundwater data collected during the second semi-annual sampling event performed in November 2015 at FGGM 13, the Former Pesticide Shop, Building 6621 (the Site or FGGM 13 hereafter). Additionally, this letter presents a comprehensive data trend analysis and recommendations for future actions at the Site. The PIKA International, Inc. – Arcadis U.S., Inc. (Arcadis) Joint Venture LLC (the JV) conducted all work in accordance with Contract W912DR-12-D-0007 Task Order 0004. Long term monitoring (LTM) was conducted in accordance with the program outlined in the Remedial Design (RD; Arcadis 2013) and as summarized in **Table 1**. This letter and the documents enclosed serve as the formal submittal of the data collected under this task.

Groundwater monitoring at the Site continued in 2015 with three sampling events: the last of the four quarterly sampling events for Year 1 (performed February 12th through 13th), and two semi-annual sampling events for Year 2 (performed May 4th through 5th and November 18th through 20th). Groundwater analytical results collected in February 2015 and May 2015 were presented by the JV in the letter report titled First Quarter 2015 Groundwater Monitoring Results (JV 2015a) and Semi-Annual 2015 Groundwater Monitoring Results (JV 2015b), respectively. The second semi-annual sampling event was conducted in November 2015 as detailed below.

Second Semi-Annual Monitoring Event Summary and Results

Site activities conducted during the second semi-annual monitoring event completed in November 2015 consisted of the following:

- Collection of Site-wide synoptic groundwater elevation measurements;
- LTM groundwater sampling at nine monitoring wells for volatile organic compounds (VOCs), pesticides, and total/dissolved metals;
- Performance monitoring at monitoring well MW-2R for total/dissolved organic carbon and dissolved gasses;
- Completion of an annual land use control (LUC) inspection.

As indicated in the RD (Arcadis 2013) and as summarized in **Table 1**, nitrate, dissolved iron, sulfate, and volatile fatty acids are to be sampled at the Site on an as-needed basis to gain additional information pertaining to the status of reducing conditions in the aquifer. These parameters were not sampled during 2015; as the existing monitoring data were deemed sufficient to support critical decision making at the Site.

All site activities were conducted in accordance with approved installation wide documents, standard operating procedures, and the monitoring program established in the RD (Arcadis 2013). **Figure 1** presents the groundwater monitoring well network. Completed field forms are provided in **Attachment 1**. Analytical laboratory reports are provided in **Attachment 2**.

Prior to groundwater sampling activities, water levels in the monitoring network were gauged. Groundwater elevations measured on November 18, 2015 ranged between 130.68 feet above mean sea level (ft amsl) at MW-8 to 151.53 ft amsl at MW-1R. Based on current groundwater elevation data, groundwater flows to the southeast consistent with historical records. Well construction specifications and water level data for the monitoring well network are provided in **Table 2**. A groundwater potentiometric map is provided on **Figure 1**.

A summary of 2015 groundwater analytical results for Site constituents of concern (COCs) (i.e., pesticides: alpha-chlordane, gamma-BHC, gamma-chlordane, heptachlor, and heptachlor epoxide and VOCs: tetrachloroethene [PCE] and trichloroethene [TCE]) is presented in **Table 3**. Performance monitoring data collected at MW-2R is summarized in **Table 4**. The following summarizes November 2015 groundwater analytical results for the Site COCs:

- Alpha-chlordane exceeded the Site Cleanup Level (SCL) of 2 micrograms per liter (µg/L) at MW-2R (2.3 µg/L), and was observed equal to SCL at MW-3R (2.0 µg/L).
- Gamma-BHC exceeded the SCL of 0.2 µg/L at three of the nine monitoring locations with exceedances occurring at MW-2R (13 µg/L), MW-3R (0.61 µg/L), and MW-9 (0.35 µg/L).
- Gamma-chlordane was detected above laboratory reporting limits at six monitoring locations with the highest concentration observed equal to the SCL (2.0 µg/L) at MW-3R.

- Heptachlor was not detected at concentrations exceeding the SCL of 0.4 µg/L during the November 2015 sampling event. The maximum concentration of heptachlor observed in the Fourth Quarter of 2015 was 0.031 µg/L (estimated) at MW-2R.
- Heptachlor epoxide was not detected at concentrations exceeding the SCL of 0.2 µg/L during the November 2015 sampling event. The maximum concentration of heptachlor epoxide observed in the Fourth Quarter of 2015 was 0.028 µg/L at MW-4R.
- PCE exceeded the SCL of 5 µg/L at three of the nine monitoring locations with concentrations ranging from 53 µg/L at MW-2R to 15 µg/L at MW-3R.
- TCE was not detected at concentrations exceeding the SCL of 5 µg/L during the November 2015 sampling event. The maximum concentration of TCE observed in the Fourth Quarter of 2015 was 1.4 µg/L at MW-2R.

Comprehensive analytical results (2010 through 2015) are provided in **Table 5**, including additional constituents detected above reporting and not identified in the discussion above.

Analytical data collected during 2015 were validated in accordance with the Final Quality Assurance Project Plan (Arcadis 2010). Data validation is conducted by a third party and includes a review of the laboratory report narrative for noted deficiencies and the potential impact to data usability; review of chain-of-custodies, sample preservation, and sample receipt logs and electronic data validation of select quality control parameters. No major deficiencies were identified. The data validation report for November 2015 analytical data is provided in **Attachment 3**.

All liquid investigation derived waste was temporarily containerized in labeled 55-gallon drums at the Lower Patapsco Aquifer (LPA) Study Area Hydraulic Containment (HC) system enclosure. Following receipt and evaluation of analytical results, all purge water was pumped through the LPA Study Area HC system.

Annual Land Use Control Inspection

As indicated in the Record of Decision (ROD U.S. Army 2012), an annual site inspection is required to (1) document that LUC signs are in place and in good condition and (2) confirm that land use has not changed at the Site. Six LUC signs were installed at the Site on October 2, 2014 as documented in the Remedial Action Completion Report (RACR Arcadis 2014). The annual site inspection was completed concurrently during the November 2015 sampling event. Results of the site inspection confirmed that the LUC signs remained in place and in good condition. Additionally, the land use of the Site remains unchanged and is presently utilized by the Department of Emergency Services as storage space for miscellaneous outdoor equipment. The completed inspection form is included in **Attachment 1**. Photos depicting current site conditions are presented in **Attachment 4**.

Data Trends since Remedy Implementation (March 2014)

LTM of groundwater was initiated following the excavation and off-Site disposal of pesticide impacted soils (completed February 2014), and Enhanced Reductive Dechlorination (ERD; completed March 2014)

via implementation of emulsified vegetable oil (EVO) / molasses injections. The following subsections discuss 2015 data trends with respect to remedy performance by analyte group (i.e., pesticides and VOCs).

Pesticides

As indicated in the ROD (U.S. Army 2012), LTM of pesticides in groundwater is conducted semi-annually to monitor the expected decline in pesticide concentrations as a result of the excavation of impacted soils. Implementation of the removal action was completed between December 2013 and February 2014 and consisted of the excavation and off-Site disposal of approximately 1,726 tons of pesticide impacted soil. Completion of the removal action is documented in the RACR (Arcadis 2014a).

Analytical results for pesticide COCs (i.e., alpha-chlordane, gamma-BHC, gamma-chlordane, heptachlor, and heptachlor epoxide) are presented graphically on **Figure 4** and in the data trend plots presented in **Attachment 5**. A summary of the pesticide data collected during 2015 is presented below:

- Low level concentrations of pesticide COCs below their respective SCLs were observed in groundwater samples collected from both upgradient (MW-1R) and downgradient monitoring locations (MW-5, MW-6, MW-7, and MW-8) and are consistent with historical results. Note, gamma-BHC was detected at downgradient monitoring location MW-9 in exceedance of its SCL (0.2 µg/L) in the Fourth Quarter of 2015 (0.35 µg/L). This constituent has been detected at concentrations below the SCL historically, including the baseline monitoring event in March 2014.
- Following completion of the removal action in 2014, elevated pesticide concentrations (i.e., alpha and gamma-chlordane) above the SCL were observed in the vicinity of the former pesticide shop and the location of the removal action (i.e., MW-2R and MW-3R). In general, concentrations are trending towards baseline monitoring results from March 2014. Concentrations of pesticide COCs are expected to fluctuate while overall exhibiting a decreasing trend towards the SCL.

PCE and TCE

In accordance with the RD (Arcadis 2013), an injection event was completed in March 2014 to address VOCs in groundwater. Specifically, injections were conducted to target PCE and TCE in groundwater at concentrations that exceed SCLs, as noted in the ROD (U.S. Army 2012). The injection event delivered approximately 17,685 gallons of a 2 percent (%) EVO and 1% molasses solution into the aquifer utilizing six direct push injection points located along two transects aligned perpendicular to groundwater flow (**Figure 2**). The amendment was injected to provide a slow-release carbon source to support biodegradation of PCE and TCE. Documentation of the injection event including field notes and injection quantities is provided in the RACR (Arcadis 2014).

Performance monitoring data collected at MW-2R documents the effects of remedy implementation, determines whether conditions remain favorable for reductive dechlorination reactions, and verifies the presence of degradation daughter products (e.g., methane, ethane, and ethene). In addition, chlorinated VOC data trends are reviewed to understand the rate and effectiveness of enhanced bioremediation of

COCs, PCE and TCE. As of this report, six sampling events were completed following implementation of the March 2014 injection event.

The primary degradation pathway for PCE and TCE is shown below:

PCE → TCE → Dichloroethene (DCE) → Vinyl Chloride (VC) → Ethene → Ethane → Carbon Dioxide

Analytical results for COCs and performance monitoring results for 2015 are provided in **Table 3** and **Table 4**, respectively. Performance monitoring trend plots for MW-2R are presented in **Attachment 6**. 2015 PCE and TCE results are presented graphically on **Figure 3** and also in the data trend plots presented in **Attachment 5**. A discussion of data trends is provided below:

- The concentrations of PCE exhibited a strong decline following the EVO injection and overall the concentration of PCE at MW-2R (former source area) decreased when compared to baseline conditions, while the degradation byproduct cis-1,2-DCE increased. As indicated in the 2014 Annual Groundwater Monitoring Report (Arcadis 2014b), preliminary chlorinated volatile organic compound (CVOC) data trends and performance monitoring results collected following remedy implementation in March 2014 indicated that the injection event was successful in establishing an in-situ reactive zone in which ERD of PCE and TCE is favorable in the vicinity of the Former Pesticide Shop (i.e. MW-2R). Based on 2015 results, aquifer conditions remain viable for continued ERD at MW-2R.

  The historical maximum concentration of PCE was detected in June 2010 at MW-2R (260 µg/L). Concentrations of PCE at MW-2R have decreased since 2010, both naturally and in response to remedy implementation, with the lowest concentration occurring in May 2015 at 6.8 µg/L (equating to greater than 90 percent reduction in PCE at this location). The concentrations of PCE at MW-2R increased sporadically in November 2015 (53 µg/L). This increase is likely the result of seasonal fluctuations in groundwater flow as a similar increase was noted in September 2014. Based on a linear regression analysis, PCE concentrations will achieve the SCL of 5 µg/L within 3.5 years with no additional injections.

- PCE concentrations in exceedance of the SCL have been observed at downgradient monitoring locations MW-3R and MW-9 following remedy implementation. These detections are likely the result of temporary changes to aquifer flow conditions during remedy implementation (i.e., injections and excavation). Concentrations at these locations are anticipated to decline overtime as treated groundwater flows downgradient of MW-2R and natural attenuation occurs.

- TCE concentrations remain below the SCL of 5 µg/L at all nine monitoring locations. Concentrations have historically exceeded the SCL at MW-2R. However, concentrations of TCE have remained below the SCL at MW-2R since baseline monitoring results were collected.

- As previously noted, cis-1,2-DCE, a degradation product of PCE and TCE, has been detected at MW-2R and downgradient locations MW-3R, MW-4R, and MW-9 following the injection event in March 2015. The highest concentrations of cis-1,2-DCE have been consistently observed at MW-2R with the maximum concentration occurring in October 2014 (28 µg/L). Since October 2014, concentrations have declined.

- Concentrations of dissolved organic carbon (DOC) at MW-2R increased immediately following the March 2014 injection (Baseline = 5 milligrams per Liter [mg/L]; Post Injection = 43 mg/L); however, concentrations decreased to levels slightly above baseline in the second, third, and fourth quarters of 2014 (October 2014 = 5.3 mg/L). DOC remained present in 2015 with concentrations declining from 3.9 mg/L in February to 1.9 mg/L in November 2015.
- It is noted that methane concentrations at MW-2R increased concurrent to the consumption of DOC which is indicative of a viable microbial community able to support ERD. Methane concentrations have increased steadily at MW-2R following the March 2014 injection event with a maximum concentration occurring in November 2015 (1.8 mg/L). No concentrations of ethane or ethene were detected at MW-2R in groundwater samples collected in 2014 and 2015.

Remedy Performance and Future Activities

Per the RD (Arcadis 2013), the objective of the selected remedy (i.e., EVO/molasses injections and soil removal in the vicinity of MW-2R) is to reduce the COC concentrations through active treatment and excavation and removal of pesticide impacted soil. As discussed in this letter report, EVO/molasses injections at the Site were successful in stimulating conditions suitable for ERD, and an effective decline of COCs at MW-2R and an increase in corresponding degradation daughter product cis-1,2-DCE is a direct result of the injections conducted in March 2014. As of November 2015, PCE is the only VOC above its respective SCL (5 µg/L). As of May 2015, the concentration at MW-2R has declined greater than 90 percent since the baseline monitoring event completed in March 2014. An increase in PCE was observed at this location in November 2015; however, this concentration is deemed sporadic in nature and concentrations are anticipated to exhibit an overall decreasing trend as aquifer conditions remain favorable for ERD and continue to support the biodegradation in the vicinity of MW-2R. As a result, no additional injections are anticipated to achieve RAOs at the Site.

Since no additional injections are proposed at the Site, performance monitoring will be suspended at MW-2R (i.e., the collection of groundwater samples for analysis of dissolved gasses and DOC). These parameters were used to evaluate the performance of the injection event. Furthermore, pursuant to a USEPA comment on the Remedial Design (Arcadis 2013), total metals were added to the LTM program to ensure metals were not mobilized in groundwater following the injection event. It is recommended that metals be removed from the monitoring program at all locations as 1) no additional injection events will be completed at the Site; 2) concentrations of metals at the Site are consistent when comparing results at monitoring wells located up- and downgradient of MW-2R; 3) concentrations of metals are consistent when comparing results collected pre- and post-injection event; and 4) metals were not identified as COCs at the Site and no SCLs were identified for metals at the Site.

The Fourth Quarter of 2015 LTM event documented herein was the last event to be conducted at the Site under Multiple Service Award Contract W912DR-12-D-0007 Task Order 0004. Future LTM activities will continue under Environmental Remediation Multiple Award Contract W91ZLK-13-D-0009 Task Order 0009.Groundwater monitoring will continue for Year 3 with two semi-annual sampling events scheduled in 2016, subsequently the monitoring frequency will decrease to an annual basis. LTM will continue at the Site, including MW-2R as indicated in the revised LTM program presented in **Table 6**.

Should you have any questions or comments, please contact the undersigned at your earliest convenience.

Sincerely,

PIKA-Arcadis JV LLC

John Cherry, PMP

Project Manager

Copies:

George Knight – 2 hard copies and 2 CD

Francis Counter – 1 CD

Enclosures:

Tables

1 Long Term Monitoring Program Summary

2 Groundwater Elevation Data

3 2015 Groundwater Constituent of Concern Results

4 2015 Performance Monitoring Results

5 Comprehensive Data Table (2010 – 2015)

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Figures

1 Monitoring Well Locations and Groundwater Elevations November 2015

2 ERD Layout – Baseline Injection Event (March 2014)

3 2015 Groundwater Monitoring Results – VOCs

4 2015 Groundwater Monitoring Results – Pesticides

Attachments

1 Field Documentation

2 Laboratory Analytical Reports (Provided on CD)

3 Data Validation Reports (Provided on CD)

4 Photo Log

5 Data Trend Charts

6 Performance Monitoring Charts

7 Response to Comments

References

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Robin, M.J.L., and R.W. Gillham. 1987. Field evaluation on well purging procedures. Ground Water Monitoring Review, Vol. 7, No. 4, pp. 85 93.

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U.S Army. 2014. Explanation of Significant Differences for the Former Pesticide Shop (FGGM 13), Fort George G. Meade, Maryland. Final. June 2014.

TABLES

Table 1
Long Term Monitoring Program Summary
FGGM 13 Former Pesticide Shop, Building 6621
Fort George G. Meade, Maryland

Category	Analytical Parameters	Sampling Frequency	Monitoring Wells	Sampling Method
Compliance Groundwater Monitoring				
Compliance Monitoring Constituents	Target Compound List Volatile Organic Compounds (USEPA Method 8260B) Pesticides (USEPA Method 8081B) Target Analyte List Metals (USEPA Method 6010C/6020A)	Year 1: Quarterly Years 2 – 3: semi-annually(2) Year 4 - cessation of long term monitoring: Annually(2,3)	MW-1R MW-2R MW-3R MW-4R MW-5 MW-6 MW-7 MW-8 MW-9	Low Flow Sampling
Performance Monitoring				
Biogeochemical parameters, dissolved gasses	pH temperature specific conductance	Concurrent with compliance groundwater monitoring schedule.	MW-2R	Low Flow Sampling
	methane, ethane, ethene (USEPA Method RSK-175)			
	TOC/DOC (USEPA Method 5031)			
	nitrate dissolved iron sulfate volatile fatty acids	As Needed Basis		

Notes:

(1) The groundwater monitoring program may be modified over time based on performance monitoring results, upon United States Environmental Protection Agency (USEPA) concurrence.

(2) Monitoring will be conducted at select monitoring wells to be determined following an evaluation of Year 1 results.

(3) The cessation of long term monitoring will be evaluated during the CERCLA five year review process.

CVOCs - chlorinated volatile organic compounds

DOC - dissolved organic carbon

TOC - total organic carbon

Table 2
Groundwater Elevation Data
FGGM 13 Former Pesticide Shop, Building 6621
Fort George G. Meade, Maryland

Well ID	Northing[1]	Easting[1]	Measuring Point Elevation[2] (ft msl)	Screened Interval (ft bgs)	Screen Length (ft)	Total Depth (ft bgs)	2/12/2015		5/4/2015		11/18/2015	
							Depth to Water (ft bmp)	GW Elevation (ft msl)	Depth to Water (ft bmp)	GW Elevation (ft msl)	Depth to Water (ft bmp)	GW Elevation (ft msl)
MW-1R	521751.5	1383627.8	171.20	13.5-23.5	10	23.5	19.51	151.69	19.54	151.66	19.67	151.53
MW-2R	521722.4	1383924.8	159.88	20 - 30	10	30	15.80	144.08	15.67	144.21	16.21	143.67
MW-3R	521714.7	1384059.9	154.80	17 - 27	10	27	18.01	136.79	16.92	137.88	17.81	136.99
MW-4R	521556.2	1384117.1	155.54	20 - 30	10	30	19.27	136.27	18.24	137.30	19.10	136.44
MW-5	521847.0	1384202.1	154.36	24.31 - 34.31	10	35	17.88	136.48	16.95	137.41	17.77	136.59
MW-6	521752.3	1384616.5	139.49	14.40 - 24.40	10	25	6.00	133.49	5.50	133.99	6.00	133.49
MW-7	521718.1	1384897.6	136.10	11.89 - 21.89	10	23	4.05	132.05	3.74	132.36	4.21	131.89
MW-8	521040.3	1384822.0	135.86	12.05 - 22.05	10	24	5.46	130.40	4.87	130.99	5.18	130.68
MW-9	521686.3	1384249.6	148.46	20 - 30	10	30	12.75	135.71	11.82	136.64	12.62	135.84

Notes:
1. Horizontal coordinates: NAD 83/10, Maryland, US Feet.
2. Vertical elevations: NAVD 1988, US Feet.
ft bgs - feet below ground surface
ft bmp - feet below measuring point
ft msl - feet above mean sea level
GW - groundwater
NM - not measured

Table 3
2015 Groundwater Constituent of Concern Results
FGGM 13 Former Pesticide Shop, Building 6621
Fort George G. Meade, Maryland

Monitoring Location:			MW-1R			MW-2R			MW-3R		
Sample Date:			1Q	2Q	4Q	1Q	2Q	4Q	1Q	2Q	4Q
			2/13/2015	5/5/2015	11/20/2015	2/13/2015	5/5/2015	11/18/2015	2/13/2015	5/5/2015	11/18/2015
Analyte Group	**Units**	**SCL**									
Pesticides											
Alpha-chlordane	µg/L	2	< 0.0097 U	< 0.0083 UJ	< 0.0080 UJ	**2.8**	**3.3**	**2.3**	**0.88**	**1.5**	**2.0**
Gamma-BHC	µg/L	0.2	< 0.0097 U	< 0.0083 UJ	**0.0019 J**	**4.3**	**1.3**	**13**	**0.074**	**0.11**	**0.61**
Gamma-chlordane	µg/L	2	< 0.019 U	< 0.017 UJ	< 0.016 UJ	**2.1**	**2.3**	**1.8**	**0.8**	**0.96**	**2.0**
Heptachlor	µg/L	0.4	< 0.0097 U	< 0.0083 UJ	< 0.0080 UJ	< 0.41 U	**0.066**	**0.031 J**	< 0.042 U	< 0.028 U	< 0.0082 U
Heptachlor epoxide	µg/L	0.2	< 0.0097 U	< 0.0083 UJ	< 0.0080 UJ	< 0.41 U	**0.086**	< 0.043 U	< 0.36 U	**0.23**	< 0.0082 U
Volatile Organic Compounds											
Tetrachloroethene	µg/L	5	< 0.5 U	< 2.5 U	< 2.5 U	**10**	**6.8**	**53**	**15**	**15**	**15**
Trichloroethene	µg/L	5	< 0.5 U	< 2.5 U	< 2.5 U	**1.2**	**0.8**	**1.4**	**0.9**	**0.8**	**1.0**
1,1-Dichloroethene	µg/L	---	< 0.5 U	< 2.5 U	< 2.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
cis-1,2-Dichloroethene	µg/L	---	< 0.5 U	< 2.5 U	< 2.5 U	**5.2**	**2.8**	**8.1**	**1.4**	**0.3 J**	**4.0**
Vinyl chloride	µg/L	---	< 0.5 U	< 2.5 U	< 2.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Water Quality Parameters											
pH	S.U.	---	3.97	3.76	3.78	6.62	6.29	6.13	6.30	7.36	5.97
Specific Conductivity	$mScm^{-1}$	---	2.834	3.238	3.033	0.793	1.463	0.813	0.310	0.362	0.988
Dissolved Oxygen	mg/L	---	7.15	5.94	5.44	0.56	0.44	0.21	7.75	7.26	1.39
Temperature	°C	---	6.77	19.50	13.57	9.41	15.01	17.39	10.55	12.30	16.55
Oxidation Reduction Potential	mV	---	283	358.3	289.6	-48.8	3	-32.1	179.4	183	197.8
Turbidity	NTU	---	6.32	---(3)	52.6	75.4	38.1	17.0	36.3	42.3	49.9

Notes:
1. Values exceeding the applicable Site Cleanup Level (SCL) are boldfaced and shaded yellow. Values exceeding laboratory reporting limits are boldfaced.
2. Duplicate sample results are provided in parenthesis adjacent to results presented for the parent sample location.
3. Samples at MW-1R are collected following well recharge due to dewatering during low-flow sampling procedures. Turbidity was not recorded at the time the samples were collected.

--- - Not applicable
°C - degrees Celcius
µg/L - micrograms per liter
mg/L - milligrams per liter
$mScm^{-1}$ - miliSieman per centimeter
mV - millivolt
NTU - Nephelometric Turbidity Units
S.U. - Standard Units
J - Indicates an estimated result. Result is less than laboratory reporting limits.
P - The relative percent difference between two gas chromatography columns exceeded 40%.
U - Indicates the analyte was analyzed but not detected above the detection limit.

Table 3
2015 Groundwater Constituent of Concern Results
FGGM 13 Former Pesticide Shop, Building 6621
Fort George G. Meade, Maryland

Monitoring Location:			MW-4R			MW-5			MW-6		
Sample Date:			1Q	2Q	4Q	1Q	2Q	4Q	1Q	2Q	4Q
			2/12/2015	5/4/2015	11/18/2015	2/12/2015	5/4/2015	11/18/2015	2/13/2015	5/4/2015	11/18/2015
Analyte Group	**Units**	**SCL**									
Pesticides											
Alpha-chlordane	µg/L	2	**0.11 (0.1)**	**0.10 J (0.1)**	**0.15 (0.14)**	**0.011**	< 0.0083 U	< 0.0080 U	**0.0037 J**	**0.0031 J**	**0.0049 J**
Gamma-BHC	µg/L	0.2	**0.011 (0.01)**	**0.059 J (0.059)**	**0.044 (0.041)**	< 0.0083 U	< 0.0083 U	< 0.0080 U	< 0.0084 U	< 0.0083 U	< 0.0081 U
Gamma-chlordane	µg/L	2	**0.083 (0.08)**	**0.075 J (0.077)**	**0.11 (0.099)**	< 0.017 U	< 0.017 U	< 0.016 U	< 0.017 U	< 0.017 U	< 0.016 U
Heptachlor	µg/L	0.4	< 0.0084 U (< 0.0083 U)	< 0.0081 UJ (< 0.0081 U)	< 0.0080 U (< 0.0080 U)	< 0.0083 U	< 0.0083 U	< 0.0080 U	< 0.0084 U	< 0.0083 U	< 0.0081 U
Heptachlor epoxide	µg/L	0.2	**0.027 (0.026)**	**0.019 J (0.019)**	**0.028 (0.027)**	< 0.0083 U	< 0.0083 U	< 0.0080 U	< 0.0084 U	< 0.0083 U	**0.0020 J**
Volatile Organic Compounds											
Tetrachloroethene	µg/L	5	**0.6 (0.6)**	**0.8 (0.8)**	**0.6 (0.6)**	**0.1 J**	**0.1 J**	< 0.5 U	**0.1 J**	**0.1 J**	< 0.5 U
Trichloroethene	µg/L	5	< 0.5 U (< 0.5 U)	< 0.5 U (< 0.5 U)	< 0.5 U (< 0.5 U)	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,1-Dichloroethene	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U (< 0.5 U)	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
cis-1,2-Dichloroethene	µg/L	---	< 0.5 U	**0.5 J**	**0.3 J (0.3 J)**	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Vinyl chloride	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U (< 0.5 U)	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Water Quality Parameters											
pH	S.U.	---	5.46	5.39	5.47	5.38	5.36	5.17	5.64	6.04	5.33
Specific Conductivity	$mScm^{-1}$	---	0.513	0.859	0.708	0.649	0.414	1.608	0.536	0.552	0.723
Dissolved Oxygen	mg/L	---	8.45	7.54	4.88	6.94	6.60	6.44	6.21	5.55	7.49
Temperature	°C	---	14.16	14.22	16.79	12.85	14.55	17.14	14.37	14.63	17.05
Oxidation Reduction Potential	mV	---	266.9	231.7	246.9	133.8	141.1	247.7	155.6	196.6	233
Turbidity	NTU	---	45.9	49.7	16.7	8.8	16.5	6.38	41	13.5	5.25

Notes:
1. Values exceeding the applicable Site Cleanup Level (SCL) are boldfaced and shaded yellow. Values exceeding laboratory reporting limits are boldfaced.
2. Duplicate sample results are provided in parenthesis adjacent to results presented for the parent sample location.
3. Samples at MW-1R are collected following well recharge due to dewatering during low-flow sampling procedures. Turbidity was not recorded at the time the samples were collected.

--- - Not applicable
°C - degrees Celcius
µg/L - micrograms per liter
mg/L - milligrams per liter
$mScm^{-1}$ - miliSieman per centimeter
mV - millivolt
NTU - Nephelometric Turbidity Units
S.U. - Standard Units
J - Indicates an estimated result. Result is less than laboratory reporting limits.
P - The relative percent difference between two gas chromatography columns exceeded 40%.
U - Indicates the analyte was analyzed but not detected above the detection limit.

Table 3
2015 Groundwater Constituent of Concern Results
FGGM 13 Former Pesticide Shop, Building 6621
Fort George G. Meade, Maryland

		Monitoring Location:	MW-7			MW-8			MW-9		
		Sample Date:	1Q	2Q	4Q	1Q	2Q	4Q	1Q	2Q	4Q
			2/13/2015	5/4/2015	11/18/2015	2/12/2015	5/4/2015	11/18/2015	2/12/2015	5/4/2015	11/18/2015
Analyte Group	**Units**	**SCL**									
Pesticides											
Alpha-chlordane	µg/L	2	**0.013**	**0.017**	**0.015**	**0.02**	**0.036**	**0.022**	**0.57**	**0.41**	**0.74**
Gamma-BHC	µg/L	0.2	< 0.0085 U	< 0.0081 U	< 0.0081 U	**0.01**	**0.024**	**0.020**	**0.053**	**0.021**	**0.35**
Gamma-chlordane	µg/L	2	**0.0095 JP**	**0.016**	**0.014 J**	**0.015 J**	**0.031**	**0.016 J**	**0.45**	**0.4**	**0.61**
Heptachlor	µg/L	0.4	< 0.0085 U	< 0.0081 U	< 0.0081 U	< 0.0083 U	< 0.0082 U	< 0.0081 U	< 0.042 U	< 0.0083 U	< 0.015 U
Heptachlor epoxide	µg/L	0.2	< 0.0085 U	< 0.0081 U	< 0.0081 U	**0.0068 J**	**0.01**	< 0.016 U	< 0.042 U	**0.02**	< 0.0081 U
Volatile Organic Compounds											
Tetrachloroethene	µg/L	5	< 0.5 U	< 0.5 UJ	< 0.5 U	**0.1 J**	**0.1 J**	< 0.5 U	**16**	**4.9**	**22**
Trichloroethene	µg/L	5	< 0.5 U	**0.1 J**	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	**0.3 J**	**0.1 J**	**0.5 J**
1,1-Dichloroethene	µg/L	---	< 0.5 U	< 0.5 UJ	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
cis-1,2-Dichloroethene	µg/L	---	< 0.5 U	< 0.5 UJ	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	**1.2**
Vinyl chloride	µg/L	---	< 0.5 U	< 0.5 UJ	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Water Quality Parameters											
pH	S.U.	---	5.39	5.10	5.27	5.32	5.24	5.37	5.52	5.42	5.18
Specific Conductivity	$mScm^{-1}$	---	0.369	0.416	0.414	0.462	0.506	0.521	0.945	0.876	0.82
Dissolved Oxygen	mg/L	---	2.79	4.25	2.63	7.18	6.91	5.84	4.84	4.32	3.27
Temperature	°C	---	12.28	12.97	17.02	13.09	13.82	14.75	13.79	14.96	16.71
Oxidation Reduction Potential	mV	---	167.2	262.3	275.4	294.3	248.5	262.6	129.8	171.5	249.5
Turbidity	NTU	---	41	39.3	39.5	36.8	49.1	38.5	35.0	44.4	10.1

Notes:
1. Values exceeding the applicable Site Cleanup Level (SCL) are boldfaced and shaded yellow. Values exceeding laboratory reporting limits are boldfaced.
2. Duplicate sample results are provided in parenthesis adjacent to results presented for the parent sample location.
3. Samples at MW-1R are collected following well recharge due to dewatering during low-flow sampling procedures. Turbidity was not recorded at the time the samples were collected.

--- - Not applicable
°C - degrees Celcius
µg/L - micrograms per liter
mg/L - milligrams per liter
$mScm^{-1}$ - miliSieman per centimeter
mV - millivolt
NTU - Nephelometric Turbidity Units
S.U. - Standard Units
J - Indicates an estimated result. Result is less than laboratory reporting limits.
P - The relative percent difference between two gas chromatography columns exceeded 40%.
U - Indicates the analyte was analyzed but not detected above the detection limit.

Table 4
2015 Performance Monitoring Results
FGGM 13 Former Pesticide Shop, Building 6621
Fort George G. Meade, Maryland

Monitoring Location:		MW-2R		
Sample Date:		2/13/2015	5/5/2015	11/18/2015
		1Q	2Q	4Q
Analyte Group	**Units**			
Biogeochemical Parameters				
Ethane	µg/L	< 5.0 U	< 5.0 U	< 5.0 U
Ethene	µg/L	< 5.0 U	< 5.0 U	< 5.0 U
Methane	µg/L	**1300**	**63**	**1800**
Dissolved Organic Carbon	mg/L	**3.9**	**2**	**1.9**
Total Organic Carbon	mg/L	**4.4**	**2.5**	**2.2**
Water Quality Parameters				
pH	S.U.	6.62	6.29	6.13
Specific Conductivity	$mScm^{-1}$	0.793	1.463	0.813
Dissolved Oxygen	mg/L	0.56	0.44	0.21
Temperature	°C	9.41	15.01	17.39
Oxidation Reduction Potential	mV	-48.8	3	-32.1
Turbidity	NTU	75.4	38.1	17

Notes:
1. Values detected above the laboratory reporting limit are presented in bold faced font.
°C - degrees Celcius
µg/L - micrograms per liter
mg/L - milligrams per liter
$mScm^{-1}$ - miliSieman per centimeter
mV - millivolt
NS - Not Sampled
NTU - Nephelometric Turbidity Units
S.U. - Standard Units
U - Indicates the analyte was analyzed but not detected above the detection limit.

Table 5
Comprehensive Analytical Results (2010 - 2015)
FGGM 13 Former Pesticide Shop, Building 6621
Fort George G. Meade, Maryland

		Monitoring Location:	MW-1R	MW-1R	MW-1R	MW-1R	MW-1R	MW-1R	MW-1R	MW-1R	MW-1R	MW-2R	MW-2R
		Sample Date:	4/15/2010	6/2/2010	2/24/2014	6/26/2014	9/9/2014	10/17/2014	2/13/2015	5/5/2015	11/20/2015	4/15/2010	4/22/2010
			FM13-MW001R (041510)	FM13MW01R (060210)	FGGM13-1R(022414)	FGGM13-MW1R(062614)	FGGM13-MW1R(090914)	FGGM13-MW1R(101714)	FGGM13-MW1R(021315)	FGGM13-MW1R(050515)	FGGM13-MW1R(112015)	FM13-MW002R (041510)	FM13MW002R (042210)-H
Analyte Group	**Units**	**SCL**											
Pesticides													
4,4-DDD	µg/L	---	< 0.025 U	< 0.027 U	< 0.17 U	< 0.017 U	< 0.017 U	< 0.016 U	< 0.019 U	< 0.017 UJ	< 0.016 UJ	**5.6**	**5.3 J**
4,4-DDE	µg/L	---	< 0.025 U	< 0.027 U	< 0.17 U	< 0.017 U	< 0.017 U	< 0.016 U	< 0.019 U	< 0.017 UJ	< 0.016 UJ	**0.15**	**0.21 J**
4,4-DDT	µg/L	---	< 0.025 U	**0.0088 J**	< 0.17 U	< 0.017 U	< 0.017 U	< 0.016 U	< 0.019 U	< 0.017 UJ	< 0.016 UJ	**1.2**	**1.7 J**
Aldrin	µg/L	---	**0.0077 JP**	< 0.027 U	< 0.17 U	< 0.0085 U	< 0.0083 U	< 0.0082 U	< 0.0097 U	< 0.0083 UJ	< 0.0080 UJ	**0.67 P**	< 0.029 UJ
Alpha-BHC	µg/L	---	< 0.025 U	< 0.027 U	< 0.17 U	< 0.0085 U	< 0.0083 U	< 0.0082 U	< 0.0097 U	< 0.0083 UJ	< 0.0080 UJ	**0.68 P**	**0.71 J**
Alpha-chlordane	µg/L	2	< 0.025 U	< 0.027 U	< 0.17 U	**0.0038 J**	< 0.0083 U	< 0.0082 U	< 0.0097 U	< 0.0083 UJ	< 0.0080 UJ	**1.8 P**	**1.4 J**
Beta-BHC	µg/L	---	< 0.025 U	< 0.027 U	< 0.17 U	< 0.0085 U	< 0.0083 U	< 0.0082 U	< 0.0097 U	< 0.0083 UJ	< 0.0080 UJ	**0.075 P**	< 0.029 UJ
Camphechlor	µg/L	---	< 0.25 U	< 0.27 U	< 0.50 U	< 0.85 U	< 0.83 U	< 0.82 U	< 0.97 U	< 0.83 UJ	< 0.80 UJ	< 0.30 U	< 1.5 UJ
Chlordane	µg/L	---	---	---	< 0.50 U	---	---	---	---	---	---	---	---
Delta-BHC	µg/L	---	**0.059 P**	**0.030**	< 0.17 U	< 0.0085 U	< 0.0083 U	< 0.0082 U	< 0.0097 U	< 0.0083 UJ	< 0.0080 UJ	**0.36 P**	**0.27 J**
Dieldrin	µg/L	---	< 0.025 U	< 0.027 U	< 0.17 U	< 0.017 U	< 0.017 U	< 0.016 U	< 0.019 U	< 0.017 UJ	**0.0090 J**	**1.4 P**	**1.4 J**
Endosulfan I	µg/L	---	< 0.025 U	< 0.027 U	< 0.17 U	< 0.0085 U	< 0.0083 U	< 0.0082 U	< 0.0097 U	< 0.0083 UJ	< 0.0080 UJ	**3.0 P**	**2.6 J**
Endosulfan II	µg/L	---	< 0.025 U	< 0.027 U	< 0.17 U	< 0.017 U	< 0.017 U	< 0.016 U	< 0.029 U	< 0.025 UJ	< 0.024 UJ	**0.057**	< 0.029 UJ
Endosulfan sulfate	µg/L	---	< 0.025 U	**0.0065 J**	< 0.17 U	< 0.017 U	< 0.017 U	< 0.016 U	< 0.019 U	< 0.017 UJ	< 0.016 UJ	**0.73 P**	**0.73 J**
Endrin	µg/L	---	< 0.025 U	< 0.027 U	< 0.17 U	< 0.017 U	< 0.017 U	< 0.016 U	< 0.019 U	< 0.017 UJ	< 0.016 UJ	< 0.030 U	< 0.029 UJ
Endrin aldehyde	µg/L	---	< 0.025 U	< 0.027 U	< 0.17 U	< 0.085 U	< 0.083 U	< 0.082 U	< 0.097 U	< 0.083 UJ	< 0.080 UJ	< 0.030 U	< 0.029 UJ
Endrin ketone	µg/L	---	< 0.025 U	< 0.027 U	< 0.17 U	< 0.017 U	< 0.017 U	< 0.016 U	< 0.019 U	< 0.017 UJ	< 0.016 UJ	**0.23 P**	**0.12 J**
Gamma-BHC	µg/L	0.2	< 0.025 U	< 0.027 U	< 0.17 U	< 0.0085 U	< 0.0083 U	< 0.0082 U	< 0.0097 U	< 0.0083 UJ	**0.0019 J**	**0.80**	**1.0 J**
Gamma-chlordane	µg/L	2	**0.012 JP**	< 0.027 U	< 0.17 U	< 0.0085 U	< 0.0083 U	< 0.0082 U	< 0.019 U	< 0.017 UJ	< 0.016 UJ	**2.0 P**	**1.8 J**
Heptachlor	µg/L	0.4	< 0.025 U	< 0.027 U	< 0.17 U	< 0.0085 U	**0.0019 J**	< 0.0082 U	< 0.0097 U	< 0.0083 UJ	< 0.0080 UJ	< 0.030 U	**1.6 J**
Heptachlor epoxide	µg/L	0.2	< 0.025 U	< 0.027 U	< 0.17 U	< 0.0085 U	< 0.0083 U	< 0.0082 U	< 0.0097 U	< 0.0083 UJ	< 0.0080 UJ	**0.23 P**	**0.20 J**
Methoxychlor	µg/L	---	< 0.10 U	< 0.11 U	< 0.17 U	< 0.085 U	< 0.083 U	< 0.082 U	< 0.097 U	< 0.083 UJ	< 0.080 UJ	**0.051 J**	**0.054 J**
Mirex	µg/L	---	---	---	< 0.17 U	---	---	---	---	---	---	---	---
Volatile Organic Compounds													
1,1,1,2-Tetrachloroethane	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	---	---	---	---	---	---	< 5.0 U	< 5.0 U
1,1,1-Trichloroethane	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 1.0 U	< 0.5 U	< 2.5 U	< 2.5 U	< 5.0 U	< 5.0 U
1,1,2,2-Tetrachloroethane	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 1.0 U	< 0.5 U	< 2.5 U	< 2.5 U	< 5.0 U	< 5.0 U
1,1,2-Trichloroethane	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 1.0 U	< 0.5 U	< 2.5 U	< 2.5 U	< 5.0 U	< 5.0 U
1,1-Dichloroethane	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 1.0 U	< 0.5 U	< 2.5 U	< 2.5 U	< 5.0 U	< 5.0 U
1,1-Dichloroethene	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 1.0 U	< 0.5 U	< 2.5 U	< 2.5 U	< 5.0 U	< 5.0 U
1,1-Dichloropropene	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	---	---	---	---	---	---	< 5.0 U	< 5.0 U
1,2,3-Trichlorobenzene	µg/L	---	< 5.0 UJ	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 1.0 U	< 0.5 U	< 2.5 U	< 2.5 U	< 5.0 UJ	< 5.0 U
1,2,3-Trichloropropane	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	---	---	---	---	---	---	< 5.0 U	< 5.0 U
1,2,4-Trichlorobenzene	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 1.0 U	< 0.5 U	< 2.5 U	< 2.5 U	< 5.0 U	< 5.0 U
1,2,4-Trimethylbenzene	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	---	---	---	---	---	---	< 5.0 U	< 5.0 U
1,2-Dibromo-3-chloropropane	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 0.5 U	< 0.5 U	< 1.0 U	< 0.5 U	< 2.5 U	< 2.5 U	< 5.0 U	< 5.0 U
1,2-Dibromoethane	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 1.0 U	< 0.5 U	< 2.5 U	< 2.5 U	< 5.0 U	< 5.0 U
1,2-Dichlorobenzene	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 1.0 U	< 0.5 U	< 2.5 U	< 2.5 U	< 5.0 U	< 5.0 U
1,2-Dichloroethane	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 1.0 U	< 0.5 U	< 2.5 U	< 2.5 U	< 5.0 U	< 5.0 U
1,2-Dichloropropane	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 1.0 U	< 0.5 U	< 2.5 U	< 2.5 U	< 5.0 U	< 5.0 U
1,3,5-Trimethylbenzene	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	---	---	---	---	---	---	< 5.0 U	< 5.0 U
1,3-Dichlorobenzene	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 1.0 U	< 0.5 U	< 2.5 U	< 2.5 U	< 5.0 U	< 5.0 U
1,3-Dichloropropane	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	---	---	---	---	---	---	< 5.0 U	< 5.0 U
1,4-Dichlorobenzene	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 1.0 U	< 0.5 U	< 2.5 U	< 2.5 U	< 5.0 U	< 5.0 U
2,2-Dichloropropane	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	---	---	---	---	---	---	< 5.0 U	< 5.0 U
2-Butanone (MEK)	µg/L	---	< 10 U	< 10 U	< 5.0 U	< 5.0 U	< 5.0 U	< 10 U	< 5.0 U	< 25 U	< 25 U	< 10 U	< 10 U
2-Chlorotoluene	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	---	---	---	---	---	---	< 5.0 U	< 5.0 U
4-Chlorotoluene	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	---	---	---	---	---	---	< 5.0 U	< 5.0 U
4-Methyl-2-Pentanone	µg/L	---	< 10 U	< 10 U	< 5.0 U	< 5.0 U	< 5.0 U	< 10 U	< 5.0 U	< 25 U	< 25 U	< 10 U	< 10 U
Acetone	µg/L	---	**11 J**	**6.0 U**	< 5.0 U	< 5.0 U	< 5.0 U	< 10 U	< 5.0 U	< 25 U	< 25 U	**2.3 J**	**13 J**
Benzene	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 1.0 U	< 0.5 U	< 2.5 U	< 2.5 U	< 5.0 U	< 5.0 U
Bromobenzene	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	---	---	---	---	---	---	< 5.0 U	< 5.0 U
Bromochloromethane	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	---	---	---	---	---	---	< 5.0 U	< 5.0 U
Bromodichloromethane	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 1.0 U	< 0.5 U	< 2.5 U	< 2.5 U	< 5.0 U	< 5.0 U
Bromoform	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 1.0 U	< 0.5 U	< 2.5 U	< 2.5 U	< 5.0 U	< 5.0 U
Bromomethane	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 1.0 U	< 0.5 U	< 2.5 U	< 2.5 U	< 5.0 U	< 5.0 U

Table 5
Comprehensive Analytical Results (2010 - 2015)
FGGM 13 Former Pesticide Shop, Building 6621
Fort George G. Meade, Maryland

		Monitoring Location:	MW-1R	MW-1R	MW-1R	MW-1R	MW-1R	MW-1R	MW-1R	MW-1R	MW-1R	MW-2R	MW-2R
		Sample Date:	4/15/2010	6/2/2010	2/24/2014	6/26/2014	9/9/2014	10/17/2014	2/13/2015	5/5/2015	11/20/2015	4/15/2010	4/22/2010
			FM13-MW001R (041510)	FM13MW01R (060210)	FGGM13-1R(022414)	FGGM13-MW1R(062614)	FGGM13-MW1R(090914)	FGGM13-MW1R(101714)	FGGM13-MW1R(021315)	FGGM13-MW1R(050515)	FGGM13-MW1R(112015)	FM13-MW002R (041510)	FM13MW002R (042210)-H
Analyte Group	**Units**	**SCL**											
Carbon Disulfide	µg/L	---	**2.1 J**	< 5.0 U	< 1.0 U	< 0.5 U	< 1.0 U	< 2.0 U	< 1.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Carbon Tetrachloride	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 1.0 U	< 0.5 U	< 2.5 U	< 2.5 U	< 5.0 U	< 5.0 U
CFC-11	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 1.0 U	< 0.5 U	< 2.5 U	< 2.5 U	< 5.0 U	< 5.0 U
CFC-12	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 1.0 U	< 0.5 U	< 2.5 U	< 2.5 U	< 5.0 U	< 5.0 U
Chlorobenzene	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 1.0 U	< 0.5 U	< 2.5 U	< 2.5 U	< 5.0 U	< 5.0 U
Chlorodibromomethane	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 1.0 U	< 0.5 U	< 2.5 U	< 2.5 U	< 5.0 U	< 5.0 U
Chloroethane	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 1.0 U	< 0.5 U	< 2.5 U	< 2.5 U	< 5.0 U	< 5.0 U
Chloroform	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 1.0 U	< 0.5 U	< 2.5 U	< 2.5 U	< 5.0 U	< 5.0 U
Chloromethane	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 1.0 U	< 0.5 U	< 2.5 U	< 2.5 U	< 5.0 U	< 5.0 U
cis-1,2-Dichloroethene	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 1.0 U	< 0.5 U	< 2.5 U	< 2.5 U	< 5.0 U	< 5.0 U
cis-1,3-Dichloropropene	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 1.0 U	< 0.5 U	< 2.5 U	< 2.5 U	< 5.0 U	< 5.0 U
Cymene (p-Isopropyltoluene)	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	---	---	---	---	---	---	< 5.0 U	< 5.0 U
Dibromomethane	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	---	---	---	---	---	---	< 5.0 U	< 5.0 U
Dichloromethane	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 1.0 U	< 0.5 U	< 2.5 U	< 2.5 U	< 5.0 U	< 5.0 U
Ethylbenzene	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 1.0 U	< 0.5 U	< 2.5 U	< 2.5 U	< 5.0 U	< 5.0 U
Hexachloro-1,3-butadiene	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	---	---	---	---	---	---	< 5.0 U	< 5.0 U
Isopropylbenzene	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 1.0 U	< 0.5 U	< 2.5 U	< 2.5 U	< 5.0 U	< 5.0 U
Methyl N-Butyl Ketone (2-Hexanone)	µg/L	---	< 10 U	< 10 U	< 5.0 U	< 5.0 U	< 5.0 U	< 10 U	< 5.0 U	< 25 U	< 25 U	< 10 U	< 10 U
Methyl-tert-butylether	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 1.0 U	< 0.5 U	< 2.5 U	< 2.5 U	< 5.0 U	< 5.0 U
m-Xylene	µg/L	---	< 5.0 U	< 5.0 U	---	---	---	---	---	---	---	< 5.0 U	< 5.0 U
Naphthalene	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	---	---	---	---	---	---	< 5.0 U	< 5.0 U
N-Butylbenzene	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	---	---	---	---	---	---	< 5.0 U	< 5.0 U
N-Propylbenzene	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	---	---	---	---	---	---	< 5.0 U	< 5.0 U
o-Xylene	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 1.0 U	< 0.5 U	< 2.5 U	< 2.5 U	< 5.0 U	< 5.0 U
sec-Butylbenzene	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	---	---	---	---	---	---	< 5.0 U	< 5.0 U
Styrene (Monomer)	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 1.0 U	< 0.5 U	< 2.5 U	< 2.5 U	< 5.0 U	< 5.0 U
tert-Butylbenzene	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	---	---	---	---	---	---	< 5.0 U	< 5.0 U
Tetrachloroethene	µg/L	5	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 1.0 U	< 0.5 U	< 2.5 U	< 2.5 U	**93**	**110**
Toluene	µg/L	---	**0.20 J**	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 1.0 U	< 0.5 U	< 2.5 U	< 2.5 U	**0.99 J**	< 5.0 U
Total Xylenes	µg/L	---	< 5.0 U	< 5.0 U	< 3.0 U	---	---	---	---	---	---	< 5.0 U	< 5.0 U
trans-1,2-Dichloroethene	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 1.0 U	< 0.5 U	< 2.5 U	< 2.5 U	< 5.0 U	< 5.0 U
trans-1,3-Dichloropropene	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 1.0 U	< 0.5 U	< 2.5 U	< 2.5 U	< 5.0 U	< 5.0 U
Trichloroethene	µg/L	5	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 1.0 U	< 0.5 U	< 2.5 U	< 2.5 U	**4.3 J**	**5.5**
Vinyl chloride	µg/L	---	< 2.0 U	< 2.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 1.0 U	< 0.5 U	< 2.5 U	< 2.5 U	< 2.0 U	< 2.0 U
Metals, Total													
Aluminum	µg/L	---	**3,400**	**16,000**	---	**11,900 J**	**16,600 J**	**25,300 J**	**23,200**	**16,200 J**	**15,900**	**2,000**	**1,800 B**
Antimony	µg/L	---	< 10 U	**4.8 U**	---	< 40.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	**0.38 J**	< 10 U	**11 U**
Arsenic	µg/L	---	< 10 U	**5.9 U**	---	< 40.0 U	**2.7 J**	**3.6 J**	**3.1 J**	**3.3 J**	**3.5 J**	< 10 U	**6.0 J**
Barium	µg/L	---	**630**	**230**	---	**61.9**	**54.8**	**47.9**	**36.0**	**45.2**	**53.1**	**63**	**75**
Beryllium	µg/L	---	< 4.0 U	**2.8 J**	---	**1.2 J**	**1.7**	**2.0**	**2.0**	**1.5**	**1.6**	< 4.0 U	< 4.0 U
Cadmium	µg/L	---	**3.0**	**2.8**	---	**1.4 J**	**1.7**	**1.9**	**1.4**	**1.3**	**1.5**	< 2.0 U	< 2.0 U
Calcium	µg/L	---	**84,000**	**48,000**	---	**50,500**	**52,600**	**53,800**	**55,300**	**59,600**	**56,200**	**55,000**	**64,000**
Chromium	µg/L	---	< 5.0 U	< 5.0 U	---	**3.7 J**	**77.5**	**41.4**	**22.1 J**	**9.4 J**	**35.7**	**1.9 J**	< 5.0 U
Cobalt	µg/L	---	**78**	**130**	---	**27.3**	**37.8**	**50.2**	**48.2**	**32.5 J**	**33.7**	< 25 U	< 25 U
Copper	µg/L	---	**19**	**130**	---	**35.2**	**30.1 J**	**108**	**43.7**	**29.6**	**20.0 J**	**4.4 J**	**8.1**
Iron	µg/L	---	**870**	**110**	---	**2,970 J**	**3,580 J**	**2,670**	**3,070**	**2,450**	**3,200**	**3,100**	**4,000**
Lead	µg/L	---	**11**	**20**	---	**8.0 J**	**5.6**	**13.0**	**6.9**	**5.3**	**4.3**	**4.3 J**	**7.5 J**
Magnesium	µg/L	---	**13,000**	**14,000**	---	**9,950**	**11,600**	**13,000**	**12,800**	**10,900**	**11,500**	**4,000 J**	**4,700 J**
Manganese	µg/L	---	**280**	**240**	---	**151**	**243**	**202**	**187**	**142**	**157**	**18**	**18**
Mercury	µg/L	---	< 0.10 U	< 0.10 U	---	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.10 U	**0.19**
Nickel	µg/L	---	**98**	**180**	---	**49.7**	**147**	**119**	**98.1**	**61.3**	**87.5**	< 40 U	< 40 U
Potassium	µg/L	---	**24,000**	**19,000**	---	**6,220**	**6,600**	**7,240**	**6,590**	**6,240**	**6,760**	**4,400 J**	**5,200**
Selenium	µg/L	---	< 10 U	< 10 U	---	< 40.0 U	< 40.0 U	< 40.0 U	< 40.0 U	< 40.0 U	< 40.0 U	< 10 U	< 10 U
Silver	µg/L	---	< 5.0 U	< 5.0 U	---	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 5.0 U	< 5.0 U
Sodium	µg/L	---	< 5,000 U	**350,000**	---	**349,000**	**384,000**	**374,000**	**423,000**	**505,000**	**460,000**	**90,000**	**130,000**
Thallium	µg/L	---	< 50 U	**17 J**	---	< 12.8 U	**0.17 J**	**0.20 J**	**0.17 J**	**0.18 J**	**0.22 J**	< 50 U	**20 U**
Vanadium	µg/L	---	< 50 U	< 50 U	---	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 50 U	< 50 U

Table 5
Comprehensive Analytical Results (2010 - 2015)
FGGM 13 Former Pesticide Shop, Building 6621
Fort George G. Meade, Maryland

		Monitoring Location:	MW-1R	MW-1R	MW-1R	MW-1R	MW-1R	MW-1R	MW-1R	MW-1R	MW-1R	MW-2R	MW-2R
		Sample Date:	4/15/2010	6/2/2010	2/24/2014	6/26/2014	9/9/2014	10/17/2014	2/13/2015	5/5/2015	11/20/2015	4/15/2010	4/22/2010
			FM13-MW001R (041510)	FM13MW01R (060210)	FGGM13-1R(022414)	FGGM13-MW1R(062614)	FGGM13-MW1R(090914)	FGGM13-MW1R(101714)	FGGM13-MW1R(021315)	FGGM13-MW1R(050515)	FGGM13-MW1R(112015)	FM13-MW002R (041510)	FM13MW002R (042210)-H
Analyte Group	**Units**	**SCL**											
Zinc	µg/L	---	**66**	**88**	---	**143**	**157**	**177**	**132**	**86.6**	**126**	< 20 U	**8.9 J**
Metals, Dissolved													
Aluminum	µg/L	---	**2,700**	**16,000**	---	**11,600 J**	**16,500**	**25,000**	**24,600**	**17,600**	**15,900**	**69 J**	---
Antimony	µg/L	---	< 10 U	**7.5 UJ**	---	< 40.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 10 U	---
Arsenic	µg/L	---	< 10 U	**8.4 U**	---	< 40.0 U	**2.7 J**	**4.1 J**	**3.3 J**	**3.9 J**	**3.4 J**	< 10 U	---
Barium	µg/L	---	**620**	**240**	---	**63.2**	**52.1**	**53.5**	**37.1**	**44.9**	**53.5**	**54**	---
Beryllium	µg/L	---	< 4.0 U	**2.6 J**	---	**1.1 J**	**1.7**	**2.1**	**2.1**	**1.7**	**1.6**	< 4.0 U	---
Cadmium	µg/L	---	**2.7**	**3.2**	---	**1.7 J**	**1.6**	**1.5**	**1.5**	**1.2**	**1.7**	< 2.0 U	---
Calcium	µg/L	---	**84,000**	**50,000**	---	**52,200**	**52,500**	**57,300**	**55,100**	**59,000**	**57,100**	**57,000**	---
Chromium	µg/L	---	< 5.0 U	**2.0 J**	---	**9.1 J**	**25.2 J**	**17.1 J**	**17.0 J**	**15.2 J**	**29.9 J**	< 5.0 U	---
Cobalt	µg/L	---	**70**	**130**	---	**27.6**	**36.5**	**49.8**	**50.9**	**35.3**	**34.7**	< 25 U	---
Copper	µg/L	---	**15**	**130**	---	**43.8**	**48.0**	**109**	**47.1**	**35.1**	**19.6 J**	< 5.0 U	---
Iron	µg/L	---	**630**	**140**	---	**3,050 J**	**3,390**	**3,300**	**3,320**	**2,270**	**3,510**	< 100 U	---
Lead	µg/L	---	**9.9 J**	**23**	---	**6.8 J**	**5.9**	**11.2**	**6.4**	**5.1**	**4.4**	< 10 U	---
Magnesium	µg/L	---	**13,000**	**15,000**	---	**10,100**	**11,500**	**13,100**	**13,500**	**11,400**	**11,700**	**4,000 J**	---
Manganese	µg/L	---	**280**	**260**	---	**162**	**186**	**201**	**198**	**157**	**159**	**16**	---
Mercury	µg/L	---	< 0.10 U	< 0.10 UJ	---	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.10 U	---
Molybdenum	µg/L	---	< 40 U	< 40 U	---	---	---	---	---	---	---	< 40 U	---
Nickel	µg/L	---	**98**	**190**	---	**55.7**	**90.5**	**102**	**99.2**	**74.9**	**84.8**	< 40 U	---
Potassium	µg/L	---	**24,000**	**20,000**	---	**6,270**	**6,470**	**7,230**	**6,860**	**6,400**	**6,850**	**3,500 J**	---
Selenium	µg/L	---	< 10 U	< 10 U	---	< 40.0 U	< 40.0 U	< 40.0 U	< 40.0 U	< 40.0 U	< 40.0 U	< 10 U	---
Silver	µg/L	---	< 5.0 U	< 5.0 U	---	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 5.0 U	---
Sodium	µg/L	---	**420,000**	< 5,000 U	---	**341,000**	**384,000**	**387,000**	**424,000**	**505,000**	**464,000**	**93,000**	---
Thallium	µg/L	---	< 50 U	**16 J**	---	< 15.8 U	**0.16 J**	**0.20 J**	< 1.0 U	**0.17 J**	**0.16 J**	< 50 U	---
Vanadium	µg/L	---	< 50 U	< 50 U	---	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 50 U	---
Zinc	µg/L	---	**67**	**93**	---	**148**	**141**	**182**	**141**	**102**	**128**	< 20 U	---
Biogeochemical Parameters													
Ethane	µg/L	---	---	---	---	---	---	---	---	---	---	---	---
Ethene	µg/L	---	---	---	---	---	---	---	---	---	---	---	---
Methane	µg/L	---	---	---	---	---	---	---	---	---	---	---	---
Dissolved Organic Carbon	µg/L	---	---	---	---	---	---	---	---	---	---	---	---
Total Organic Carbon	µg/L	---	---	---	---	---	---	---	---	---	---	---	---

***Notes are provided on the last page of Table 5.**

Table 5
Comprehensive Analytical Results (2010 - 2015)
FGGM 13 Former Pesticide Shop, Building 6621
Fort George G. Meade, Maryland

		Monitoring Location:	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R
		Sample Date:	6/2/2010	6/2/2010	4/19/2013	4/19/2013	3/5/2014	3/14/2014	6/25/2014	9/10/2014	10/17/2014	2/13/2015	5/5/2015	11/18/2015
			FM13DUP01 (060210)	FM13MW02R (060210)	DUP-1(041913)	FM13MW2R(041913)	FGGM13/MW2R(030514)	MW-2R [031414]	FGGM13-MW2R(062514)	FGGM13-MW2R(091014)	FGGM13-MW2R(101714)	FGGM13-MW2R(021315)	FGGM13-MW2R(050515)	FGGM13-MW2R(111815)
Analyte Group	**Units**	**SCL**												
Pesticides														
4,4-DDD	µg/L	---	**3.7 J**	**3.5**	---	---	**0.36**	---	**2.6 J**	**0.58**	**1.1**	< 1.8 U	**1.0**	**1.5**
4,4-DDE	µg/L	---	**0.68 R**	**0.70 P**	---	---	< 0.17 U	---	**0.37 J**	< 0.16 U	< 0.36 U	< 0.83 U	< 0.16 U	**0.20**
4,4-DDT	µg/L	---	**0.63 J**	**0.61 P**	---	---	**0.45**	---	**2.7 J**	**0.14 J**	**0.31**	< 0.83 U	**0.017**	**0.044 J**
Aldrin	µg/L	---	**0.31 R**	**0.62 J**	---	---	< 0.17 U	---	**0.034 J**	**0.029 J**	**0.035 J**	< 0.41 U	< 0.081 U	**0.032 J**
Alpha-BHC	µg/L	---	**0.93 R**	**0.91 P**	---	---	**0.19**	---	**0.077 J**	**0.14**	**0.23**	< 0.41 U	**0.038**	**0.15**
Alpha-chlordane	µg/L	2	**2.4 J**	**2.4 P**	---	---	**1.9 J**	---	**9.8 J**	**2.4**	**3.6**	**2.8**	**3.3**	**2.3**
Beta-BHC	µg/L	---	**0.23 J**	**0.11 J**	---	---	< 0.17 U	---	**0.017 J**	< 0.082 U	< 0.082 U	< 0.41 U	< 0.0081 U	< 0.043 U
Camphechlor	µg/L	---	< 0.27 UJ	< 0.28 U	---	---	< 0.50 U	---	< 0.82 UJ	< 8.2 U	< 8.2 U	< 41 U	< 0.81 U	< 4.3 U
Chlordane	µg/L	---	---	---	---	---	< 0.50 U	---	---	---	---	---	---	---
Delta-BHC	µg/L	---	**0.49 R**	**0.47 P**	---	---	**0.053 J**	---	< 0.0082 UJ	< 0.082 U	**0.039 J**	< 0.41 U	**0.019**	**0.022 J**
Dieldrin	µg/L	---	**0.21 R**	< 0.028 J	---	---	**0.38**	---	**1.0 J**	**0.45**	**0.63**	< 1.4 U	**0.34**	**0.41**
Endosulfan I	µg/L	---	**2.7 J**	**2.8 P**	---	---	< 0.17 U	---	**0.10 J**	**0.12**	**0.13**	< 0.41 U	**0.088**	**0.072**
Endosulfan II	µg/L	---	< 0.027 UJ	< 0.028 U	---	---	< 0.17 U	---	< 0.045 UJ	< 0.16 U	< 0.16 U	< 1.2 U	**0.069**	< 0.13 U
Endosulfan sulfate	µg/L	---	**1.8 R**	**0.56 J**	---	---	< 0.17 U	---	**0.022 J**	< 0.16 U	< 0.16 U	< 0.83 U	**0.0080 J**	< 0.085 U
Endrin	µg/L	---	< 0.027 UJ	< 0.028 U	---	---	< 0.17 U	---	< 0.17 UJ	< 0.16 U	< 0.16 U	< 0.83 U	< 0.016 U	< 0.085 U
Endrin aldehyde	µg/L	---	**0.034 J**	**0.016 J**	---	---	< 0.17 U	---	< 0.082 UJ	< 0.82 U	< 0.82 U	< 4.1 U	< 0.081 U	< 0.43 U
Endrin ketone	µg/L	---	**0.23 J**	**0.22**	---	---	< 0.17 U	---	**0.048 J**	**0.053 J**	**0.046 J**	< 0.83 U	**0.032**	**0.028 J**
Gamma-BHC	µg/L	0.2	**0.19 R**	**0.13 P**	---	---	**10.9**	---	**4.5 J**	**20**	**29**	**4.3**	**1.3**	**13**
Gamma-chlordane	µg/L	2	**3.2 J**	**3.3**	---	---	**1.3 J**	---	**9.9 J**	**1.5**	**2.8**	**2.1**	**2.3**	**1.8**
Heptachlor	µg/L	0.4	**2.3 J**	**3.3 P**	---	---	**0.16 J**	---	< 0.15 UJ	**0.13**	**0.22**	< 0.41 U	**0.066**	**0.031 J**
Heptachlor epoxide	µg/L	0.2	< 0.027 UJ	< 0.028 U	---	---	< 0.17 U	---	**0.32 J**	**0.30**	**0.41**	< 0.41 U	**0.086**	< 0.043 U
Methoxychlor	µg/L	---	**0.27 J**	**0.23 J**	---	---	< 0.17 U	---	**0.077 J**	< 0.82 U	< 0.82 U	< 4.1 U	< 0.081 U	< 0.43 U
Mirex	µg/L	---	---	---	---	---	< 0.17 U	---	---	---	---	---	---	---
Volatile Organic Compounds														
1,1,1,2-Tetrachloroethane	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 1.0 U	---	---	---	---	---	---	---
1,1,1-Trichloroethane	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 1.0 U	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,1,2,2-Tetrachloroethane	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 1.0 U	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,1,2-Trichloroethane	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 1.0 U	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,1-Dichloroethane	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 1.0 U	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,1-Dichloroethene	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 1.0 U	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,1-Dichloropropene	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 1.0 U	---	---	---	---	---	---	---
1,2,3-Trichlorobenzene	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 1.0 U	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,2,3-Trichloropropane	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 5.0 U	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 1.0 U	---	**0.2 J**	**0.3 J**	**0.3 J**	**0.2 J**	**0.1 J**	**0.3 J**
1,2,4-Trimethylbenzene	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 1.0 U	---	---	---	---	---	---	---
1,2-Dibromo-3-chloropropane	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 5.0 U	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,2-Dibromoethane	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 1.0 U	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,2-Dichlorobenzene	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 1.0 U	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,2-Dichloroethane	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 1.0 U	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,2-Dichloropropane	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 1.0 U	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,3,5-Trimethylbenzene	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 1.0 U	---	---	---	---	---	---	---
1,3-Dichlorobenzene	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 1.0 U	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,3-Dichloropropane	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 1.0 U	---	---	---	---	---	---	---
1,4-Dichlorobenzene	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 1.0 U	---	**0.1 J**	**0.3 J**	**0.4 J**	< 0.5 U	< 0.5 U	**0.3 J**
2,2-Dichloropropane	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 1.0 U	---	---	---	---	---	---	---
2-Butanone (MEK)	µg/L	---	< 10 U	< 10 U	< 20 U	< 20 U	< 5.0 U	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
2-Chlorotoluene	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 1.0 U	---	---	---	---	---	---	---
4-Chlorotoluene	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 1.0 U	---	---	---	---	---	---	---
4-Methyl-2-Pentanone	µg/L	---	< 10 U	< 10 U	< 20 U	< 20 U	< 5.0 U	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Acetone	µg/L	---	**2.4 U**	**2.6 U**	< 20 U	< 20 U	< 5.0 U	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Benzene	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 1.0 U	---	**0.3 J**	**1.8**	**2.4**	**0.3 J**	< 0.5 U	**0.8**
Bromobenzene	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 1.0 U	---	---	---	---	---	---	---
Bromochloromethane	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 1.0 U	---	---	---	---	---	---	---
Bromodichloromethane	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 1.0 U	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Bromoform	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 1.0 U	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Bromomethane	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 1.0 U	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U

Table 5
Comprehensive Analytical Results (2010 - 2015)
FGGM 13 Former Pesticide Shop, Building 6621
Fort George G. Meade, Maryland

		Monitoring Location:	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R
		Sample Date:	6/2/2010	6/2/2010	4/19/2013	4/19/2013	3/5/2014	3/14/2014	6/25/2014	9/10/2014	10/17/2014	2/13/2015	5/5/2015	11/18/2015
			FM13DUP01 (060210)	FM13MW02R (060210)	DUP-1(041913)	FM13MW2R(041913)	FGGM13/MW2R(030514)	MW-2R [031414]	FGGM13-MW2R(062514)	FGGM13-MW2R(091014)	FGGM13-MW2R(101714)	FGGM13-MW2R(021315)	FGGM13-MW2R(050515)	FGGM13-MW2R(111815)
Analyte Group	**Units**	**SCL**												
Carbon Disulfide	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 1.0 U	---	< 0.5 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Carbon Tetrachloride	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 1.0 U	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
CFC-11	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 1.0 U	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
CFC-12	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 1.0 U	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Chlorobenzene	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 1.0 U	---	**0.4 J**	**2.3**	**3.5**	**0.7**	**0.2 J**	**1.8**
Chlorodibromomethane	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 1.0 U	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Chloroethane	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 1.0 U	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Chloroform	µg/L	---	< 5.0 U	< 5.0 U	**0.41 J**	< 1.0 U	< 1.0 U	---	**3.1**	**0.5**	**0.4 J**	**1.4**	**0.1 J**	**0.4 J**
Chloromethane	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 1.0 U	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
cis-1,2-Dichloroethene	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 1.0 U	---	**0.8**	**22**	**28**	**5.2**	**2.8**	**8.1**
cis-1,3-Dichloropropene	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 1.0 U	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Cymene (p-Isopropyltoluene)	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 1.0 U	---	---	---	---	---	---	---
Dibromomethane	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 1.0 U	---	---	---	---	---	---	---
Dichloromethane	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 1.0 U	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Ethylbenzene	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 1.0 U	---	< 0.5 U	**0.1 J**	**0.2 J**	< 0.5 U	< 0.5 U	< 0.5 U
Hexachloro-1,3-butadiene	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 1.0 U	---	---	---	---	---	---	---
Isopropylbenzene	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 1.0 U	---	< 0.5 U	**0.1 J**	**0.2 J**	< 0.5 U	< 0.5 U	< 0.5 U
Methyl N-Butyl Ketone (2-Hexanone)	µg/L	---	< 10 U	< 10 U	< 20 U	< 20 U	< 5.0 U	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Methyl-tert-butylether	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 1.0 U	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
m-Xylene	µg/L	---	< 5.0 U	< 5.0 U	---	---	---	---	---	---	---	---	---	---
Naphthalene	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 1.0 U	---	---	---	---	---	---	---
N-Butylbenzene	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 1.0 U	---	---	---	---	---	---	---
N-Propylbenzene	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 1.0 U	---	---	---	---	---	---	---
o-Xylene	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 1.0 U	---	< 0.5 U	**0.1 J**	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
sec-Butylbenzene	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 1.0 U	---	---	---	---	---	---	---
Styrene (Monomer)	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 1.0 U	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
tert-Butylbenzene	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 1.0 U	---	---	---	---	---	---	---
Tetrachloroethene	µg/L	5	**260**	**260**	**220**	**210**	**104**	---	**27**	**45**	**53**	**10**	**6.8**	**53**
Toluene	µg/L	---	< 5.0 U	< 5.0 U	**0.37 J**	< 1.0 U	< 1.0 U	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Total Xylenes	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 3.0 U	---	---	---	---	---	---	---
trans-1,2-Dichloroethene	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 1.0 U	---	< 0.5 U	< 0.5 U	**0.1 J**	< 0.5 U	< 0.5 U	< 0.5 U
trans-1,3-Dichloropropene	µg/L	---	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 1.0 U	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Trichloroethene	µg/L	5	**76**	**76**	**34**	**35**	**2.7**	---	**1.6**	**2.2**	**2.6**	**1.2**	**0.8**	**1.4**
Vinyl chloride	µg/L	---	< 2.0 U	< 2.0 U	< 1.0 U	< 1.0 U	< 1.0 U	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Metals, Total														
Aluminum	µg/L	---	**940**	**770**	---	---	---	---	**50,400 J**	**5,780 J**	**3,190 J**	< 400 U	**771 J**	**294 J**
Antimony	µg/L	---	**7.4 U**	**4.5 U**	---	---	---	---	< 40.0 U	**0.42 J**	< 2.0 U	**0.46 J**	< 2.0 U	< 2.0 U
Arsenic	µg/L	---	**34 U**	**32 U**	---	---	---	---	**489**	**595**	**826**	**263**	**109**	**298**
Barium	µg/L	---	**56**	**57**	---	---	---	---	**326**	**100**	**76.2**	**73.7**	**118**	**77.2**
Beryllium	µg/L	---	< 4.0 U	< 4.0 U	---	---	---	---	**1.6 J**	**0.23 J**	**0.10 J**	< 1.0 U	< 1.0 U	< 1.0 U
Cadmium	µg/L	---	< 2.0 U	< 2.0 U	---	---	---	---	< 10.0 U	**0.26 J**	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Calcium	µg/L	---	**41,000**	**41,000**	---	---	---	---	**64,400**	**54,000**	**38,900**	**86,600**	**84,600**	**28,000**
Chromium	µg/L	---	< 5.0 U	< 5.0 U	---	---	---	---	**130**	**13.5 J**	**6.8 J**	**1.4 J**	**1.7 J**	**2.6 J**
Cobalt	µg/L	---	< 25 U	< 25 U	---	---	---	---	**19.2**	**9.0 J**	**7.3 J**	**4.9 J**	< 10.0 UJ	**4.4 J**
Copper	µg/L	---	**1.7 J**	< 5.0 U	---	---	---	---	**102**	**13.5 J**	**6.6 J**	< 20.0 U	< 3.7 U	< 20.0 U
Iron	µg/L	---	**1,100**	**1,000**	---	---	---	---	**73,100 J**	**22,700 J**	**19,900**	**20,800**	**3,990**	**8,450 J**
Lead	µg/L	---	< 10 U	< 10 U	---	---	---	---	**73.7**	**10.2**	**3.0**	**0.30 J**	**0.35 J**	**0.51 J**
Magnesium	µg/L	---	**3,200 J**	**3,200 J**	---	---	---	---	**8,300**	**4,960**	**3,900**	**6,630**	**8,380**	**3,310**
Manganese	µg/L	---	**17**	**17**	---	---	---	---	**630**	**980**	**655**	**1,000**	**160**	**227**
Mercury	µg/L	---	< 0.10 U	< 0.10 U	---	---	---	---	**0.38 J**	**0.12 J**	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U
Nickel	µg/L	---	< 40 U	< 40 U	---	---	---	---	**22.9**	**2.7 J**	**2.3 J**	< 20.0 U	< 20.0 U	< 20.0 U
Potassium	µg/L	---	**4,200 J**	**3,900 J**	---	---	---	---	**11,300**	**4,070**	**3,460**	**2,360**	**3,940**	**2,240**
Selenium	µg/L	---	< 10 U	< 10 U	---	---	---	---	**5.3 J**	< 40.0 U	< 40.0 U	< 40.0 U	< 40.0 U	< 40.0 U
Silver	µg/L	---	< 5.0 U	< 5.0 U	---	---	---	---	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U
Sodium	µg/L	---	**130,000**	**120,000**	---	---	---	---	**96,600**	**99,200**	**80,100**	**46,400**	**182,000**	**111,000**
Thallium	µg/L	---	< 50 U	< 50 U	---	---	---	---	< 60.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Vanadium	µg/L	---	< 50 U	< 50 U	---	---	---	---	**189**	**20.9**	**11.4**	< 10.0 U	**2.2 J**	**1.8 J**

Table 5
Comprehensive Analytical Results (2010 - 2015)
FGGM 13 Former Pesticide Shop, Building 6621
Fort George G. Meade, Maryland

		Monitoring Location:	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R
		Sample Date:	6/2/2010	6/2/2010	4/19/2013	4/19/2013	3/5/2014	3/14/2014	6/25/2014	9/10/2014	10/17/2014	2/13/2015	5/5/2015	11/18/2015
			FM13DUP01 (060210)	FM13MW02R (060210)	DUP-1(041913)	FM13MW2R(041913)	FGGM13/MW2R(030514)	MW-2R [031414]	FGGM13-MW2R(062514)	FGGM13-MW2R(091014)	FGGM13-MW2R(101714)	FGGM13-MW2R(021315)	FGGM13-MW2R(050515)	FGGM13-MW2R(111815)
Analyte Group	**Units**	**SCL**												
Zinc	µg/L	---	< 20 U	< 20 U	---	---	---	---	**119**	**20.1 J**	**14.1 J**	**3.8 J**	< 40.0 U	< 13.5 U
Metals, Dissolved														
Aluminum	µg/L	---	< 500 U	< 500 U	---	---	---	---	**212 J**	< 400 U	< 400 U	< 400 U	< 400 U	< 105 U
Antimony	µg/L	---	**5.5 UJ**	< 10 UJ	---	---	---	---	< 40.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U
Arsenic	µg/L	---	**25 U**	**30 U**	---	---	---	---	**193**	**584**	**772 J**	**205**	**69.5**	**213**
Barium	µg/L	---	**50**	**52**	---	---	---	---	**63.3**	**67.3**	**48.7**	**76.2**	**107**	**67.6**
Beryllium	µg/L	---	< 4.0 U	< 4.0 U	---	---	---	---	< 10.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Cadmium	µg/L	---	< 2.0 U	< 2.0 U	---	---	---	---	< 10.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Calcium	µg/L	---	**38,000**	**40,000**	---	---	---	---	**56,900**	**52,500**	**41,700**	**87,200**	**82,100**	**26,700**
Chromium	µg/L	---	< 5.0 U	< 5.0 U	---	---	---	---	< 30.0 U	**1.3 J**	< 30.0 U	**2.0 J**	< 30.0 U	**2.9 J**
Cobalt	µg/L	---	< 25 U	< 25 U	---	---	---	---	**5.6 J**	**7.2 J**	**6.5 J**	**5.2 J**	**1.4 J**	< 5.7 UJ
Copper	µg/L	---	< 5.0 U	< 5.0 U	---	---	---	---	< 20.0 U	< 20.0 U	< 20.0 U	< 20.0 U	< 3.3 UJ	< 20.0 U
Iron	µg/L	---	< 100 U	< 100 U	---	---	---	---	**2,880 J**	**15,800**	**17,200**	**19,800**	**2,400**	**5,760**
Lead	µg/L	---	< 10 U	**3.3 J**	---	---	---	---	< 30.0 U	**0.094 J**	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U
Magnesium	µg/L	---	**3,000 J**	**3,100 J**	---	---	---	---	**5,530**	**4,630**	**3,810**	**6,990**	**8,140**	**3,070**
Manganese	µg/L	---	**15**	**15**	---	---	---	---	**483**	**916**	**691**	**994**	**150**	**219**
Mercury	µg/L	---	**0.11 J**	< 0.10 UJ	---	---	---	---	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U
Molybdenum	µg/L	---	< 40 U	< 40 U	---	---	---	---	---	---	---	---	---	---
Nickel	µg/L	---	< 40 U	< 40 U	---	---	---	---	< 20.0 U	**1.9 J**	< 20.0 U	**2.0 J**	< 20.0 U	**3.3 J**
Potassium	µg/L	---	**3,300 J**	**3,900 J**	---	---	---	---	**2,950**	**3,030**	**2,750**	**2,500**	**3,700**	**2,040**
Selenium	µg/L	---	< 10 U	< 10 U	---	---	---	---	< 40.0 U	< 40.0 U	< 40.0 U	< 40.0 U	< 40.0 U	< 40.0 U
Silver	µg/L	---	< 5.0 U	< 5.0 U	---	---	---	---	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U
Sodium	µg/L	---	**110,000**	**130,000**	---	---	---	---	**94,000**	**96,500**	**80,900**	**47,100**	**173,000**	**106,000**
Thallium	µg/L	---	< 50 U	< 50 U	---	---	---	---	< 9.4 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Vanadium	µg/L	---	< 50 U	< 50 U	---	---	---	---	**2.6 J**	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U
Zinc	µg/L	---	< 20 U	< 20 U	---	---	---	---	**6.5 J**	**5.2 J**	< 7.6 U	**6.5 J**	< 40.0 U	**13.1 J**
Biogeochemical Parameters														
Ethane	µg/L	---	---	---	---	---	< 1.0 U	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Ethene	µg/L	---	---	---	---	---	< 1.5 U	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Methane	µg/L	---	---	---	---	---	**2.0**	---	< 5.0 U	**450**	**850**	**1,300**	**63**	**1,800**
Dissolved Organic Carbon	µg/L	---	---	---	---	---	**5,000**	**43,000**	**5,100**	**5,300**	**5,300**	**3,900**	**2,000**	**1,900**
Total Organic Carbon	µg/L	---	---	---	---	---	---	**73,900**	**7,700**	**8,200**	**7,000**	**4,400**	**2,500**	**2,200**

***Notes are provided on the last page of Table 5.**

Table 5
Comprehensive Analytical Results (2010 - 2015)
FGGM 13 Former Pesticide Shop, Building 6621
Fort George G. Meade, Maryland

		Monitoring Location:	MW-3R	MW-3R	MW-3R	MW-3R	MW-3R	MW-3R	MW-3R	MW-3R	MW-3R	MW-3R	MW-3R
		Sample Date:	4/15/2010	4/22/2010	6/2/2010	4/19/2013	2/24/2014	6/25/2014	9/10/2014	10/17/2014	2/13/2015	5/5/2015	11/18/2015
			FM13-MW003R (041510)	FM13MW003R (042210)-H	FM13MW03R (060210)	FM13MW3R(041913)	FGGM13-3R(022414)	FGGM13-MW3R(062514)	FGGM13-MW3R(091014)	FGGM13-MW3R(101714)	FGGM13-MW3R(021315)	FGGM13-MW3R(050515)	FGGM13-MW3R(111815)
Analyte Group	**Units**	**SCL**											
Pesticides													
4,4-DDD	µg/L	---	< 0.026 U	< 0.026 U	< 0.14 HU	---	< 0.16 U	< 0.017 U	< 0.16 U	**0.58**	< 0.26 U	< 0.17 U	< 0.016 U
4,4-DDE	µg/L	---	< 0.026 U	< 0.026 U	< 0.14 R	---	< 0.16 U	< 0.048 U	< 0.16 U	**0.062 J**	< 0.32 U	**0.11 J**	**0.14**
4,4-DDT	µg/L	---	**0.11 P**	**0.10 P**	< 0.14 R	---	< 0.16 U	**0.097**	< 0.16 U	**0.072 J**	**0.043 J**	< 0.017 U	**0.034 J**
Aldrin	µg/L	---	< 0.026 U	< 0.026 U	**0.14 PH**	---	< 0.16 U	**0.033**	**0.036 J**	< 0.040 U	< 0.042 U	< 0.083 U	**0.014**
Alpha-BHC	µg/L	---	**0.061**	**0.095 P**	**0.34 PH**	---	< 0.16 U	**0.080**	**0.055 J**	< 0.040 U	< 0.042 U	**0.018**	**0.059**
Alpha-chlordane	µg/L	2	**4.1**	**3.4**	**4.5 H**	---	**0.21**	**3.1**	**2.9**	**2.3**	**0.88**	**1.5**	**2.0**
Beta-BHC	µg/L	---	< 0.026 U	< 0.026 U	< 0.14 HU	---	< 0.16 U	< 0.0085 U	< 0.081 U	< 0.040 U	< 0.042 U	**0.0029 J**	< 0.0082 U
Camphechlor	µg/L	---	< 0.26 U	< 0.26 U	< 1.4 HU	---	< 0.47 U	< 0.85 U	< 8.1 U	< 4.0 U	< 4.2 U	< 0.83 U	< 0.82 U
Chlordane	µg/L	---	---	---	---	---	< 0.47 U	---	---	---	---	---	---
Delta-BHC	µg/L	---	**0.53 P**	**0.75 P**	< 0.14 R	---	< 0.16 U	**0.047**	< 0.081 U	**0.024 J**	< 0.042 U	**0.012**	**0.024**
Dieldrin	µg/L	---	**0.24 P**	**0.35 P**	< 0.14 R	---	< 0.16 U	**0.16**	**0.18**	**0.15**	< 0.16 U	**0.050 J**	**0.17**
Endosulfan I	µg/L	---	< 0.026 U	**1.5 P**	**1.1 H**	---	< 0.16 U	**0.24**	**0.15**	**0.080**	**0.092**	**0.071 J**	**0.10**
Endosulfan II	µg/L	---	< 0.026 U	< 0.026 U	< 0.14 HU	---	< 0.16 U	< 0.017 U	< 0.16 U	< 0.081 U	< 0.13 U	< 0.25 U	< 0.025 U
Endosulfan sulfate	µg/L	---	**0.18 P**	**0.21 P**	**0.52 PH**	---	< 0.16 U	**0.053**	< 0.16 U	**0.026 J**	**0.026 J**	**0.030**	**0.018 J**
Endrin	µg/L	---	**0.068 P**	**0.063 P**	**0.12 JH**	---	< 0.16 U	< 0.060 U	< 0.16 U	< 0.081 U	< 0.085 U	< 0.17 U	< 0.052 U
Endrin aldehyde	µg/L	---	< 0.026 U	< 0.026 U	< 0.14 HU	---	< 0.16 U	< 0.085 U	< 0.81 U	< 0.40 U	< 0.42 U	< 0.083 U	< 0.082 U
Endrin ketone	µg/L	---	**0.11 P**	**0.13 P**	**0.076 JPH**	---	< 0.16 U	**0.10**	< 0.16 U	< 0.081 U	**0.034 J**	**0.041**	**0.013 J**
Gamma-BHC	µg/L	0.2	**0.11**	**0.16**	**0.082 JH**	---	**0.098 J**	**0.52**	**0.18**	**0.27**	**0.074**	**0.11**	**0.61**
Gamma-chlordane	µg/L	2	**4.4**	**3.8**	**5.1 H**	---	**0.35**	**2.7**	**3.1**	**2.8**	**0.80**	**0.96**	**2.0**
Heptachlor	µg/L	0.4	< 0.026 U	< 0.026 U	< 0.14 HU	---	< 0.16 U	< 0.020 U	< 0.081 U	< 0.040 U	< 0.042 U	< 0.028 U	< 0.0082 U
Heptachlor epoxide	µg/L	0.2	**0.097 P**	**0.31 P**	**0.16 H**	---	< 0.16 U	**0.58**	< 0.081 U	< 0.040 U	< 0.36 U	**0.23**	< 0.0082 U
Methoxychlor	µg/L	---	< 0.10 U	< 0.10 U	< 0.55 HU	---	< 0.16 U	< 0.085 U	< 0.81 U	< 0.40 U	< 0.42 U	**0.044 J**	< 0.082 U
Mirex	µg/L	---	---	---	---	---	< 0.16 U	---	---	---	---	---	---
Volatile Organic Compounds													
1,1,1,2-Tetrachloroethane	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 0.50 U	< 1.0 U	---	---	---	---	---	---
1,1,1-Trichloroethane	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 0.50 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,1,2,2-Tetrachloroethane	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 0.50 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,1,2-Trichloroethane	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 0.50 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,1-Dichloroethane	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 0.50 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,1-Dichloroethene	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 0.50 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,1-Dichloropropene	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 0.50 U	< 1.0 U	---	---	---	---	---	---
1,2,3-Trichlorobenzene	µg/L	---	< 5.0 UJ	< 5.0 U	< 5.0 U	< 0.50 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,2,3-Trichloropropane	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 0.50 U	< 5.0 U	---	---	---	---	---	---
1,2,4-Trichlorobenzene	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 0.50 U	< 1.0 U	**0.5 J**	**0.3 J**	**0.2 J**	< 0.5 U	< 0.5 U	**0.1 J**
1,2,4-Trimethylbenzene	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 0.50 U	< 1.0 U	---	---	---	---	---	---
1,2-Dibromo-3-chloropropane	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 0.50 U	< 5.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,2-Dibromoethane	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 0.50 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,2-Dichlorobenzene	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 0.50 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,2-Dichloroethane	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 0.50 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,2-Dichloropropane	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 0.50 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,3,5-Trimethylbenzene	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 0.50 U	< 1.0 U	---	---	---	---	---	---
1,3-Dichlorobenzene	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 0.50 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,3-Dichloropropane	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 0.50 U	< 1.0 U	---	---	---	---	---	---
1,4-Dichlorobenzene	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 0.50 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
2,2-Dichloropropane	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 0.50 U	< 1.0 U	---	---	---	---	---	---
2-Butanone (MEK)	µg/L	---	< 10 U	< 10 U	< 10 U	< 10 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
2-Chlorotoluene	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 0.50 U	< 1.0 U	---	---	---	---	---	---
4-Chlorotoluene	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 0.50 U	< 1.0 U	---	---	---	---	---	---
4-Methyl-2-Pentanone	µg/L	---	< 10 U	< 10 U	< 10 U	< 10 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Acetone	µg/L	---	**2.0 J**	**11 J**	**3.3 U**	< 10 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Benzene	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 0.50 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Bromobenzene	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 0.50 U	< 1.0 U	---	---	---	---	---	---
Bromochloromethane	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 0.50 U	< 1.0 U	---	---	---	---	---	---
Bromodichloromethane	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 0.50 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Bromoform	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 0.50 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Bromomethane	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 0.50 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U

Table 5
Comprehensive Analytical Results (2010 - 2015)
FGGM 13 Former Pesticide Shop, Building 6621
Fort George G. Meade, Maryland

		Monitoring Location:	MW-3R	MW-3R	MW-3R	MW-3R	MW-3R	MW-3R	MW-3R	MW-3R	MW-3R	MW-3R	MW-3R
		Sample Date:	4/15/2010	4/22/2010	6/2/2010	4/19/2013	2/24/2014	6/25/2014	9/10/2014	10/17/2014	2/13/2015	5/5/2015	11/18/2015
			FM13-MW003R (041510)	FM13MW003R (042210)-H	FM13MW03R (060210)	FM13MW3R(041913)	FGGM13-3R(022414)	FGGM13-MW3R(062514)	FGGM13-MW3R(091014)	FGGM13-MW3R(101714)	FGGM13-MW3R(021315)	FGGM13-MW3R(050515)	FGGM13-MW3R(111815)
Analyte Group	**Units**	**SCL**											
Carbon Disulfide	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 0.50 U	< 1.0 U	< 0.5 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Carbon Tetrachloride	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 0.50 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
CFC-11	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 0.50 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
CFC-12	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 0.50 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Chlorobenzene	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 0.50 U	< 1.0 U	< 0.5 U	**0.2 J**	**0.1 J**	< 0.5 U	< 0.5 U	**0.1 J**
Chlorodibromomethane	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 0.50 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Chloroethane	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 0.50 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Chloroform	µg/L	---	< 5.0 U	< 5.0 U	**1.9 J**	**0.21 J**	< 1.0 U	**0.2 J**	**0.2 J**	**0.4 J**	< 0.5 U	**0.1 J**	**0.3 J**
Chloromethane	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 0.50 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
cis-1,2-Dichloroethene	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 0.50 U	< 1.0 U	< 0.5 U	**1.8**	**10 J**	**1.4**	**0.3 J**	**4.0**
cis-1,3-Dichloropropene	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 0.50 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Cymene (p-Isopropyltoluene)	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 0.50 U	< 1.0 U	---	---	---	---	---	---
Dibromomethane	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 0.50 U	< 1.0 U	---	---	---	---	---	---
Dichloromethane	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 0.50 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Ethylbenzene	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 0.50 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Hexachloro-1,3-butadiene	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 0.50 U	< 1.0 U	---	---	---	---	---	---
Isopropylbenzene	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 0.50 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Methyl N-Butyl Ketone (2-Hexanone)	µg/L	---	< 10 U	< 10 U	< 10 U	< 10 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Methyl-tert-butylether	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 0.50 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
m-Xylene	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	---	---	---	---	---	---	---	---
Naphthalene	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 0.50 U	< 1.0 U	---	---	---	---	---	---
N-Butylbenzene	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 0.50 U	< 1.0 U	---	---	---	---	---	---
N-Propylbenzene	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 0.50 U	< 1.0 U	---	---	---	---	---	---
o-Xylene	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	**0.20 J**	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
sec-Butylbenzene	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 0.50 U	< 1.0 U	---	---	---	---	---	---
Styrene (Monomer)	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 0.50 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
tert-Butylbenzene	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 0.50 U	< 1.0 U	---	---	---	---	---	---
Tetrachloroethene	µg/L	5	**12**	**14**	**25**	**26**	**0.52 J**	**97**	**72**	**34**	**15**	**15**	**15**
Toluene	µg/L	---	**1.5 J**	< 5.0 U	< 5.0 U	< 0.50 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Total Xylenes	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	**0.20 J**	< 3.0 U	---	---	---	---	---	---
trans-1,2-Dichloroethene	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 0.50 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
trans-1,3-Dichloropropene	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 0.50 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Trichloroethene	µg/L	5	**1.4 J**	**1.5 J**	**2.7 J**	**3.5**	< 1.0 U	**3.0**	**1.7**	**1.3**	**0.9**	**0.8**	**1.0**
Vinyl chloride	µg/L	---	< 2.0 U	< 2.0 U	< 2.0 U	< 0.50 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Metals, Total													
Aluminum	µg/L	---	**770**	**530 B**	**1,100**	---	---	**322 J**	**239 J**	**837 J**	< 400 U	**1,200 J**	**242 J**
Antimony	µg/L	---	< 10 U	**6.0 U**	< 10 U	---	---	< 40.0 U	**0.54 J**	**0.94 J**	**0.37 J**	**0.47 J**	< 2.0 U
Arsenic	µg/L	---	< 10 U	< 10 U	**4.2 U**	---	---	< 40.0 U	< 4.0 U	**0.96 J**	< 4.0 U	< 4.0 U	< 4.0 U
Barium	µg/L	---	**27**	**26**	**82**	---	---	**58.3**	**61.4**	**64.1**	**27.8**	**38.0**	**99.8**
Beryllium	µg/L	---	< 4.0 U	< 4.0 U	< 4.0 U	---	---	< 10.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Cadmium	µg/L	---	< 2.0 U	< 2.0 U	< 2.0 U	---	---	< 10.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Calcium	µg/L	---	**34,000**	**34,000**	**46,000**	---	---	**33,800**	**28,100**	**22,100**	**31,200**	**45,100**	**37,900**
Chromium	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	---	---	< 30.0 U	< 30.0 U	**2.2 J**	< 30.0 U	**1.9 J**	**2.7 J**
Cobalt	µg/L	---	< 25 U	< 25 U	< 25 U	---	---	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 UJ	< 10.0 U
Copper	µg/L	---	**2.3 J**	**2.3 J**	**2.1 J**	---	---	< 20.0 U	< 20.0 UJ	< 20.0 U	< 20.0 U	< 5.4 U	< 20.0 U
Iron	µg/L	---	**1,500**	**1,900**	**2,100**	---	---	**269 J**	**147 J**	**1,270**	**54.7 J**	**753**	**418 J**
Lead	µg/L	---	< 10 U	**6.6 J**	< 10 U	---	---	< 30.0 U	**0.19 J**	**0.39 J**	**0.21 J**	**0.45 J**	**0.27 J**
Magnesium	µg/L	---	**2,200 J**	**2,200 J**	**4,600 J**	---	---	**2,170**	**2,440**	**2,390**	**2,240**	**2,830**	**3,290**
Manganese	µg/L	---	**5.1 J**	< 15 U	**6.1 J**	---	---	**1.1 J**	**2.1 J**	**4.1 J**	< 1.7 U	**1.7 J**	**113**
Mercury	µg/L	---	< 0.10 U	< 0.10 U	< 0.10 U	---	---	< 0.20 U	< 0.20 U	< 0.20 U	**0.061 J**	< 0.20 U	< 0.20 U
Nickel	µg/L	---	< 40 U	< 40 U	< 40 U	---	---	< 20.0 U	< 20.0 U	< 20.0 U	< 20.0 U	< 20.0 U	< 20.0 U
Potassium	µg/L	---	**2,700 J**	**3,100 J**	**4,500 J**	---	---	**2,790**	**2,970**	**2,820**	**1,820**	**2,220**	**2,950**
Selenium	µg/L	---	< 10 U	< 10 U	< 10 U	---	---	< 40.0 U	< 40.0 U	< 40.0 U	< 40.0 U	< 40.0 U	**8.6 J**
Silver	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	---	---	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U
Sodium	µg/L	---	**19,000**	**23,000**	**110,000**	---	---	**57,900**	**113,000**	**110,000**	**25,000**	**23,100**	**138,000**
Thallium	µg/L	---	< 50 U	< 50 U	< 50 U	---	---	< 60.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Vanadium	µg/L	---	< 50 U	< 50 U	< 50 U	---	---	< 10.0 U	< 10.0 U	**3.2 J**	< 10.0 U	**3.0 J**	< 10.0 UJ

Table 5
Comprehensive Analytical Results (2010 - 2015)
FGGM 13 Former Pesticide Shop, Building 6621
Fort George G. Meade, Maryland

		Monitoring Location:	MW-3R	MW-3R	MW-3R	MW-3R	MW-3R	MW-3R	MW-3R	MW-3R	MW-3R	MW-3R	MW-3R
		Sample Date:	4/15/2010	4/22/2010	6/2/2010	4/19/2013	2/24/2014	6/25/2014	9/10/2014	10/17/2014	2/13/2015	5/5/2015	11/18/2015
			FM13-MW003R (041510)	FM13MW003R (042210)-H	FM13MW03R (060210)	FM13MW3R(041913)	FGGM13-3R(022414)	FGGM13-MW3R(062514)	FGGM13-MW3R(091014)	FGGM13-MW3R(101714)	FGGM13-MW3R(021315)	FGGM13-MW3R(050515)	FGGM13-MW3R(111815)
Analyte Group	**Units**	**SCL**											
Zinc	µg/L	---	< 20 U	< 20 U	< 20 U	---	---	**4.2 J**	< 40.0 U	**60.2**	**4.7 J**	**4.8 J**	< 40.0 U
Metals, Dissolved													
Aluminum	µg/L	---	< 500 U	---	< 500 U	---	---	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U
Antimony	µg/L	---	< 10 U	---	< 10 UJ	---	---	< 40.0 U	**0.59 J**	**0.78 J**	< 2.0 U	**0.48 J**	**0.79 J**
Arsenic	µg/L	---	< 10 U	---	**3.0 U**	---	---	< 40.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U
Barium	µg/L	---	**23 J**	---	**82**	---	---	**56.4**	**60.2**	**61.0**	**26.9**	**35.4**	**98.0**
Beryllium	µg/L	---	< 4.0 U	---	< 4.0 U	---	---	< 10.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Cadmium	µg/L	---	< 2.0 U	---	< 2.0 U	---	---	< 10.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Calcium	µg/L	---	**33,000**	---	**49,000**	---	---	**32,700**	**26,600**	**22,000**	**30,500**	**42,100**	**37,700**
Chromium	µg/L	---	< 5.0 U	---	< 5.0 U	---	---	< 30.0 U	< 30.0 U	< 30.0 U	< 30.0 U	< 30.0 U	**2.9 J**
Cobalt	µg/L	---	< 25 U	---	< 25 U	---	---	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 UJ	< 1.2 UJ
Copper	µg/L	---	< 5.0 U	---	< 5.0 U	---	---	< 20.0 U	< 20.0 U	< 20.0 U	< 20.0 U	< 4.4 UJ	< 20.0 U
Iron	µg/L	---	< 100 U	---	< 100 U	---	---	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U
Lead	µg/L	---	< 10 U	---	< 10 U	---	---	< 30.0 U	< 2.0 U	**0.12 J**	< 2.0 U	< 2.0 U	< 2.0 U
Magnesium	µg/L	---	**2,100 J**	---	**4,900 J**	---	---	**2,100**	**2,450**	**2,340**	**2,210**	**2,800**	**3,130**
Manganese	µg/L	---	< 15 U	---	< 15 U	---	---	**1.3 J**	**1.8 J**	**2.2 J**	**2.8 J**	< 10.0 U	**114**
Mercury	µg/L	---	< 0.10 U	---	**0.058 J**	---	---	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U
Molybdenum	µg/L	---	< 40 U	---	< 40 U	---	---	---	---	---	---	---	---
Nickel	µg/L	---	< 40 U	---	< 40 U	---	---	< 20.0 U	< 20.0 U	< 20.0 U	< 20.0 U	< 20.0 U	< 20.0 U
Potassium	µg/L	---	**2,600 J**	---	**5,000**	---	---	**2,710**	**2,960**	**2,650**	**1,780**	**2,040**	**2,640**
Selenium	µg/L	---	< 10 U	---	< 10 U	---	---	< 40.0 U	< 40.0 U	< 40.0 U	< 40.0 U	< 40.0 U	< 40.0 U
Silver	µg/L	---	< 5.0 U	---	< 5.0 U	---	---	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U
Sodium	µg/L	---	**18,000**	---	**120,000**	---	---	**57,300**	**108,000**	**112,000**	**24,600**	**23,100**	**133,000**
Thallium	µg/L	---	< 50 U	---	< 50 U	---	---	< 6.5 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Vanadium	µg/L	---	< 50 U	---	< 50 U	---	---	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U
Zinc	µg/L	---	< 20 U	---	< 20 U	---	---	**4.7 J**	< 40.0 U	< 4.0 U	**4.5 J**	**5.3 J**	< 40.0 U
Biogeochemical Parameters													
Ethane	µg/L	---	---	---	---	---	---	---	---	---	---	---	---
Ethene	µg/L	---	---	---	---	---	---	---	---	---	---	---	---
Methane	µg/L	---	---	---	---	---	---	---	---	---	---	---	---
Dissolved Organic Carbon	µg/L	---	---	---	---	---	---	---	---	---	---	---	---
Total Organic Carbon	µg/L	---	---	---	---	---	---	---	---	---	---	---	---

***Notes are provided on the last page of Table 5.**

Table 5
Comprehensive Analytical Results (2010 - 2015)
FGGM 13 Former Pesticide Shop, Building 6621
Fort George G. Meade, Maryland

		Monitoring Location:	MW-4R	MW-4R	MW-4R	MW-4R	MW-4R	MW-4R	MW-4R	MW-4R	MW-4R	MW-4R	MW-4R
		Sample Date:	4/15/2010	4/16/2010	4/16/2010	4/22/2010	6/1/2010	2/24/2014	2/24/2014	6/26/2014	9/10/2014	9/10/2014	10/16/2014
			FM13-MW004R (041510)	FM13-DUP001 (041610)	FM13-MW004R (041610)	FM13MW004R (042210)-H	FM13MW04R (060110)	FGGM13-4R (022414)	FGGM13-DUP01 (022414)	FGGM13-MW4R(062614)	FGGM13-DUP01(091014)	FGGM13-MW4R(091014)	FGGM13-DUP01(101614)
Analyte Group	**Units**	**SCL**											
Pesticides													
4,4-DDD	µg/L	---	< 0.026 U	< 0.026 U	< 0.026 U	< 0.026 U	< 0.027 UJ	< 0.17 U	< 0.17 U	< 0.016 UJ	< 0.016 U	< 0.016 U	< 0.016 UJ
4,4-DDE	µg/L	---	< 0.026 U	< 0.026 U	< 0.026 U	< 0.026 U	< 0.027 UJ	< 0.17 U	< 0.17 U	< 0.016 UJ	< 0.016 U	< 0.016 U	< 0.016 UJ
4,4-DDT	µg/L	---	< 0.026 U	< 0.026 U	< 0.026 U	< 0.026 U	< 0.027 UJ	< 0.17 U	< 0.17 U	**0.010 J**	< 0.016 U	< 0.016 U	**0.0078 J**
Aldrin	µg/L	---	< 0.026 U	< 0.026 U	< 0.026 U	< 0.026 U	< 0.027 UJ	< 0.17 U	< 0.17 U	**0.0064 J**	**0.0037 J**	< 0.0081 UJ	**0.0034 J**
Alpha-BHC	µg/L	---	< 0.026 U	**0.032 P**	**0.023 J**	< 0.026 U	**0.027 J**	< 0.17 U	< 0.17 U	**0.011 J**	**0.0042 J**	**0.0041 J**	< 0.0082 UJ
Alpha-chlordane	µg/L	2	**0.59**	**0.60**	**0.59**	< 0.026 U	**0.62 J**	**0.31**	**0.33**	**0.38 J**	**0.29**	**0.29**	**0.19 J**
Beta-BHC	µg/L	---	< 0.026 U	< 0.026 U	< 0.026 U	< 0.026 U	< 0.027 UJ	< 0.17 U	< 0.17 U	< 0.0081 UJ	**0.0040 J**	< 0.0081 UJ	**0.0042 J**
Camphechlor	µg/L	---	< 0.26 U	< 0.26 U	< 0.26 U	< 0.26 U	< 0.27 UJ	< 0.51 U	< 0.51 U	< 0.81 UJ	< 0.80 U	< 0.81 U	< 0.82 UJ
Chlordane	µg/L	---	---	---	---	---	---	< 0.51 U	< 0.51 U	---	---	---	---
Delta-BHC	µg/L	---	< 0.026 U	< 0.026 U	< 0.026 U	< 0.026 U	< 0.027 UJ	< 0.17 U	< 0.17 U	**0.0067 J**	< 0.0080 U	< 0.0081 U	< 0.0082 UJ
Dieldrin	µg/L	---	**0.25**	**0.26**	**0.25**	< 0.026 U	**0.19 J**	**0.24**	**0.27**	**0.17 J**	**0.12**	**0.13**	**0.094 J**
Endosulfan I	µg/L	---	**0.16 P**	**0.16 P**	**0.16 P**	< 0.026 U	**0.18 J**	< 0.17 U	< 0.17 U	**0.046 J**	**0.028**	**0.040**	**0.025 J**
Endosulfan II	µg/L	---	< 0.026 U	< 0.026 U	< 0.026 U	< 0.026 U	< 0.027 UJ	< 0.17 U	< 0.17 U	< 0.016 UJ	< 0.016 U	< 0.016 U	< 0.016 UJ
Endosulfan sulfate	µg/L	---	**0.048 P**	**0.050 P**	**0.048 P**	< 0.026 U	**0.081 J**	< 0.17 U	**0.022 J**	**0.017 J**	**0.013 J**	**0.013 J**	**0.0094 J**
Endrin	µg/L	---	< 0.026 U	**0.011 J**	< 0.026 U	< 0.026 U	**0.024 J**	< 0.17 U	< 0.17 U	< 0.016 UJ	< 0.016 U	< 0.016 U	< 0.016 UJ
Endrin aldehyde	µg/L	---	< 0.026 U	< 0.026 U	**0.0061 JP**	< 0.026 U	< 0.027 UJ	< 0.17 U	< 0.17 U	< 0.081 UJ	< 0.080 U	< 0.081 U	< 0.082 UJ
Endrin ketone	µg/L	---	< 0.026 U	**0.022 J**	**0.021 J**	< 0.026 U	**0.027 J**	< 0.17 U	< 0.17 U	**0.029 J**	**0.015 J**	**0.015 J**	**0.012 J**
Gamma-BHC	µg/L	0.2	**0.044**	**0.042**	**0.044**	< 0.026 U	**0.025 J**	**0.034 J**	**0.035 J**	**0.052 J**	**0.12**	**0.12**	**0.032 J**
Gamma-chlordane	µg/L	2	**0.71**	**0.68**	**0.71**	< 0.026 U	**0.69 J**	< 0.17 U	**0.21**	**0.34 J**	**0.24**	**0.23**	**0.17 J**
Heptachlor	µg/L	0.4	< 0.026 U	< 0.026 U	< 0.026 U	< 0.026 U	< 0.027 UJ	< 0.17 U	< 0.17 U	< 0.0081 UJ	< 0.0080 U	< 0.0081 U	< 0.0082 UJ
Heptachlor epoxide	µg/L	0.2	**0.031**	**0.034**	**0.031**	< 0.026 U	**0.052 J**	< 0.17 U	< 0.17 U	< 0.046 UJ	**0.084 J**	< 0.0081 UJ	< 0.022 UJ
Methoxychlor	µg/L	---	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.11 UJ	< 0.17 U	< 0.17 U	< 0.081 UJ	< 0.080 U	< 0.081 U	< 0.082 UJ
Mirex	µg/L	---	---	---	---	---	---	< 0.17 U	< 0.17 U	---	---	---	---
Volatile Organic Compounds													
1,1,1,2-Tetrachloroethane	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	---	---	---	---
1,1,1-Trichloroethane	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,1,2,2-Tetrachloroethane	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,1,2-Trichloroethane	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,1-Dichloroethane	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,1-Dichloroethene	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,1-Dichloropropene	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	---	---	---	---
1,2,3-Trichlorobenzene	µg/L	---	< 5.0 U	< 5.0 UJ	< 5.0 UJ	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,2,3-Trichloropropane	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	---	---	---	---
1,2,4-Trichlorobenzene	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,2,4-Trimethylbenzene	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	---	---	---	---
1,2-Dibromo-3-chloropropane	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,2-Dibromoethane	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,2-Dichlorobenzene	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,2-Dichloroethane	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,2-Dichloropropane	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,3,5-Trimethylbenzene	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	---	---	---	---
1,3-Dichlorobenzene	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,3-Dichloropropane	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	---	---	---	---
1,4-Dichlorobenzene	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
2,2-Dichloropropane	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	---	---	---	---
2-Butanone (MEK)	µg/L	---	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
2-Chlorotoluene	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	---	---	---	---
4-Chlorotoluene	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	---	---	---	---
4-Methyl-2-Pentanone	µg/L	---	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Acetone	µg/L	---	< 20 U	< 20 U	**2.4 J**	**11 J**	**2.9 U**	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Benzene	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Bromobenzene	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	---	---	---	---
Bromochloromethane	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	---	---	---	---
Bromodichloromethane	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Bromoform	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Bromomethane	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U

Table 5
Comprehensive Analytical Results (2010 - 2015)
FGGM 13 Former Pesticide Shop, Building 6621
Fort George G. Meade, Maryland

		Monitoring Location:	MW-4R	MW-4R	MW-4R	MW-4R	MW-4R	MW-4R	MW-4R	MW-4R	MW-4R	MW-4R	MW-4R
		Sample Date:	4/15/2010	4/16/2010	4/16/2010	4/22/2010	6/1/2010	2/24/2014	2/24/2014	6/26/2014	9/10/2014	9/10/2014	10/16/2014
			FM13-MW004R (041510)	FM13-DUP001 (041610)	FM13-MW004R (041610)	FM13MW004R (042210)-H	FM13MW04R (060110)	FGGM13-4R (022414)	FGGM13-DUP01 (022414)	FGGM13-MW4R(062614)	FGGM13-DUP01(091014)	FGGM13-MW4R(091014)	FGGM13-DUP01(101614)
Analyte Group	**Units**	**SCL**											
Carbon Disulfide	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	**4.1 U**	< 5.0 U	< 1.0 U	< 1.0 U	< 0.5 U	< 1.0 U	< 1.0 U	< 1.0 U
Carbon Tetrachloride	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
CFC-11	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
CFC-12	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Chlorobenzene	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Chlorodibromomethane	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Chloroethane	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Chloroform	µg/L	---	< 5.0 U	**0.71 J**	**0.66 J**	**0.92 J**	**2.6 J**	< 1.0 U	< 1.0 U	**1.3**	**0.8**	**0.9**	**1.2**
Chloromethane	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
cis-1,2-Dichloroethene	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
cis-1,3-Dichloropropene	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Cymene (p-Isopropyltoluene)	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	---	---	---	---
Dibromomethane	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	---	---	---	---
Dichloromethane	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Ethylbenzene	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Hexachloro-1,3-butadiene	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	---	---	---	---
Isopropylbenzene	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Methyl N-Butyl Ketone (2-Hexanone)	µg/L	---	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Methyl-tert-butylether	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
m-Xylene	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	---	---	---	---	---	---
Naphthalene	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	---	---	---	---
N-Butylbenzene	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	---	---	---	---
N-Propylbenzene	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	---	---	---	---
o-Xylene	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
sec-Butylbenzene	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	---	---	---	---
Styrene (Monomer)	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
tert-Butylbenzene	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	---	---	---	---
Tetrachloroethene	µg/L	5	< 5.0 U	**2.7 J**	**2.8 J**	**2.8 J**	**1.6 J**	**1.7**	**1.8**	**6.4**	**2.2**	**2.2**	**0.9**
Toluene	µg/L	---	< 5.0 U	**1.2 J**	**1.3 J**	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Total Xylenes	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 3.0 U	< 3.0 U	---	---	---	---
trans-1,2-Dichloroethene	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
trans-1,3-Dichloropropene	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Trichloroethene	µg/L	5	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 1.0 U	**0.3 J**	< 0.5 U	< 0.5 U	< 0.5 U
Vinyl chloride	µg/L	---	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 1.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Metals, Total													
Aluminum	µg/L	---	< 500 U	**500**	**460 J**	**3,700 B**	**1,500**	---	---	**1,290 J**	**1,680 J**	**1,620 J**	**977 J**
Antimony	µg/L	---	< 10 U	< 10 U	< 10 U	**5.9 U**	**4.6 U**	---	---	< 40.0 U	< 2.0 U	< 2.0 U	< 2.0 U
Arsenic	µg/L	---	< 10 U	< 10 U	< 10 U	**5.2 J**	**5.2 U**	---	---	< 40.0 U	< 4.0 U	< 4.0 U	< 4.0 U
Barium	µg/L	---	**41**	**42**	**41**	**65**	**50**	---	---	**46.9**	**53.0**	**54.1**	**52.7**
Beryllium	µg/L	---	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	---	---	< 10.0 U	< 1.0 U	< 1.0 U	**0.050 J**
Cadmium	µg/L	---	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	---	---	< 10.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Calcium	µg/L	---	**34,000**	**34,000**	**34,000**	**36,000**	**27,000**	---	---	**24,100**	**25,900**	**26,000**	**21,100 J**
Chromium	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	**8.8**	**2.5 J**	---	---	**2.8 J**	**2.5 J**	**2.5 J**	**2.2 J**
Cobalt	µg/L	---	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	---	---	< 10.0 U	< 10.0 U	< 10.0 U	**1.3 J**
Copper	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	**15**	**2.8 J**	---	---	< 20.0 U	**3.3 J**	< 20.0 UJ	**3.5 J**
Iron	µg/L	---	**930**	**850**	**930**	**16,000**	**3,200**	---	---	**2,160 J**	**1,540 J**	**1,450 J**	**2,100**
Lead	µg/L	---	< 10 U	< 10 U	< 10 U	**11**	**4.7 J**	---	---	**7.4 J**	**0.48 J**	**0.52 J**	**0.63 J**
Magnesium	µg/L	---	< 5,000 U	**3,900 J**	**3,900 J**	**4,700 J**	**4,400 J**	---	---	**3,590**	**4,260**	**4,380**	**3,820**
Manganese	µg/L	---	< 15 U	**9.2 J**	**8.7 J**	**24**	**17**	---	---	< 6.6 U	**9.7 J**	**8.7 J**	**15.0**
Mercury	µg/L	---	< 0.10 U	< 0.10 U	< 0.10 U	**0.075 J**	< 0.10 U	---	---	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U
Nickel	µg/L	---	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	---	---	< 20.0 U	< 20.0 U	< 20.0 U	< 20.0 U
Potassium	µg/L	---	< 5,000 U	**2,700 J**	**2,700 J**	**3,700 J**	**2,600 J**	---	---	**2,270**	**2,180**	**2,210**	**2,440**
Selenium	µg/L	---	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	---	---	< 40.0 U	< 40.0 U	< 40.0 U	< 40.0 U
Silver	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	---	---	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U
Sodium	µg/L	---	**38,000**	**39,000**	**38,000**	**43,000**	**38,000**	---	---	**48,000**	**46,600**	**46,600**	**38,100**
Thallium	µg/L	---	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	---	---	< 60.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Vanadium	µg/L	---	< 50 U	< 50 U	< 50 U	**24 J**	< 50 U	---	---	**5.3 J**	**3.9 J**	**3.3 J**	**4.7 J**

Table 5
Comprehensive Analytical Results (2010 - 2015)
FGGM 13 Former Pesticide Shop, Building 6621
Fort George G. Meade, Maryland

		Monitoring Location:	MW-4R	MW-4R	MW-4R	MW-4R	MW-4R	MW-4R	MW-4R	MW-4R	MW-4R	MW-4R	MW-4R
		Sample Date:	4/15/2010	4/16/2010	4/16/2010	4/22/2010	6/1/2010	2/24/2014	2/24/2014	6/26/2014	9/10/2014	9/10/2014	10/16/2014
			FM13-MW004R (041510)	FM13-DUP001 (041610)	FM13-MW004R (041610)	FM13MW004R (042210)-H	FM13MW04R (060110)	FGGM13-4R (022414)	FGGM13-DUP01 (022414)	FGGM13-MW4R(062614)	FGGM13-DUP01(091014)	FGGM13-MW4R(091014)	FGGM13-DUP01(101614)
Analyte Group	**Units**	**SCL**											
Zinc	µg/L	---	< 20 U	< 20 U	< 20 U	**9.7 J**	**6.2 J**	---	---	**5.6 J**	**3.2 J**	**2.8 J**	< 40.0 U
Metals, Dissolved													
Aluminum	µg/L	---	< 500 U	**66 J**	**77 J**	---	< 500 U	---	---	**144 J**	< 400 U	< 400 U	< 400 U
Antimony	µg/L	---	< 10 U	< 10 U	< 10 U	---	< 10 UJ	---	---	< 40.0 U	< 2.0 U	< 2.0 U	< 2.0 U
Arsenic	µg/L	---	< 10 U	< 10 U	< 10 U	---	**5.2 U**	---	---	< 40.0 U	< 4.0 U	< 4.0 U	< 4.0 U
Barium	µg/L	---	**39**	**40**	**39**	---	**40**	---	---	**43.3**	**48.2**	**47.4**	**45.6**
Beryllium	µg/L	---	< 4.0 U	< 4.0 U	< 4.0 U	---	< 4.0 U	---	---	< 10.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Cadmium	µg/L	---	< 2.0 U	< 2.0 U	< 2.0 U	---	< 2.0 U	---	---	< 10.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Calcium	µg/L	---	**33,000**	**34,000**	**33,000**	---	**26,000**	---	---	**24,400**	**26,700**	**23,700**	**20,300**
Chromium	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	---	< 5.0 U	---	---	< 30.0 U	< 30.0 U	< 30.0 U	< 30.0 U
Cobalt	µg/L	---	< 25 U	< 25 U	< 25 U	---	< 25 U	---	---	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U
Copper	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	---	< 5.0 U	---	---	< 20.0 U	< 20.0 U	< 20.0 U	< 20.0 U
Iron	µg/L	---	< 100 U	< 100 U	< 100 U	---	< 100 U	---	---	**261 J**	< 400 U	< 400 U	< 400 U
Lead	µg/L	---	< 10 U	< 10 U	< 10 U	---	< 10 U	---	---	< 30.0 U	< 2.0 U	< 2.0 U	**0.13 J**
Magnesium	µg/L	---	< 5,000 U	**3,900 J**	**3,900 J**	---	**4,300 J**	---	---	**3,680**	**4,310**	**4,230**	**3,640**
Manganese	µg/L	---	< 15 U	**8.0 J**	**8.0 J**	---	**9.6 J**	---	---	< 4.3 U	**6.4 J**	**6.1 J**	**12.2**
Mercury	µg/L	---	< 0.10 U	< 0.10 U	< 0.10 U	---	< 0.10 UJ	---	---	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U
Molybdenum	µg/L	---	< 40 U	< 40 U	< 40 U	---	< 40 U	---	---	---	---	---	---
Nickel	µg/L	---	< 40 U	< 40 U	< 40 U	---	< 40 U	---	---	< 20.0 U	< 20.0 U	< 20.0 U	< 20.0 U
Potassium	µg/L	---	< 5,000 U	**2,300 J**	**2,500 J**	---	**2,000 J**	---	---	**2,170**	**2,000**	**1,950**	**2,100**
Selenium	µg/L	---	< 10 U	< 10 U	< 10 U	---	< 10 U	---	---	< 40.0 U	< 40.0 U	< 40.0 U	< 40.0 U
Silver	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	---	< 5.0 U	---	---	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U
Sodium	µg/L	---	**39,000**	**37,000**	**39,000**	---	**37,000**	---	---	**48,600**	**47,300**	**42,500**	**35,100**
Thallium	µg/L	---	< 50 U	< 50 U	< 50 U	---	< 50 U	---	---	< 6.2 U	< 1.0 U	< 1.0 U	< 1.0 U
Vanadium	µg/L	---	< 50 U	< 50 U	< 50 U	---	< 50 U	---	---	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U
Zinc	µg/L	---	< 20 U	< 20 U	< 20 U	---	< 20 U	---	---	**3.3 J**	**2.3 J**	**2.3 J**	< 5.7 U
Biogeochemical Parameters													
Ethane	µg/L	---	---	---	---	---	---	---	---	---	---	---	---
Ethene	µg/L	---	---	---	---	---	---	---	---	---	---	---	---
Methane	µg/L	---	---	---	---	---	---	---	---	---	---	---	---
Dissolved Organic Carbon	µg/L	---	---	---	---	---	---	---	---	---	---	---	---
Total Organic Carbon	µg/L	---	---	---	---	---	---	---	---	---	---	---	---

***Notes are provided on the last page of Table 5.**

Table 5
Comprehensive Analytical Results (2010 - 2015)
FGGM 13 Former Pesticide Shop, Building 6621
Fort George G. Meade, Maryland

		Monitoring Location:	MW-4R	MW-4R	MW-4R	MW-4R	MW-4R	MW-4R	MW-4R	MW-5	MW-5	MW-5	MW-5
		Sample Date:	10/16/2014	2/12/2015	2/12/2015	5/4/2015	5/4/2015	11/18/2015	11/18/2015	4/15/2010	4/27/2010	6/2/2010	2/24/2014
			FGGM13-MW4R(101614)	FGGM13-DUP01(021215)	FGGM13-MW4R(021215)	FGGM13-DUP01(050415)	FGGM13-MW4R(050415)	DUP01(111815)FD	FGGM13-MW4R(111815)	FM13-MW005 (041510)	FM13MW005 (042710)	FM13MW05 (060210)	FGGM13-MW-05(022414)
Analyte Group	**Units**	**SCL**											
Pesticides													
4,4-DDD	µg/L	---	< 0.017 UJ	< 0.030 U	< 0.030 U	< 0.016 U	< 0.016 UJ	< 0.016 U	< 0.016 U	< 0.026 U	< 0.030 UJ	< 0.027 U	< 0.16 U
4,4-DDE	µg/L	---	< 0.017 UJ	< 0.017 U	< 0.017 U	< 0.016 U	< 0.016 UJ	**0.013 J**	**0.013 J**	< 0.026 U	< 0.030 UJ	< 0.027 U	< 0.16 U
4,4-DDT	µg/L	---	**0.0043 J**	< 0.017 U	< 0.017 U	< 0.016 U	< 0.016 UJ	< 0.016 U	< 0.016 U	< 0.026 U	< 0.030 UJ	< 0.027 U	< 0.16 U
Aldrin	µg/L	---	**0.0032 J**	< 0.0083 U	< 0.0084 U	**0.0024 J**	**0.0023 J**	**0.0027 J**	**0.0028 J**	< 0.026 U	< 0.030 UJ	< 0.027 U	< 0.16 U
Alpha-BHC	µg/L	---	< 0.0083 UJ	< 0.0083 U	< 0.0084 U	**0.0052 J**	**0.0052 J**	**0.0033 J**	< 0.0080 U	< 0.026 U	< 0.030 UJ	< 0.027 U	< 0.16 U
Alpha-chlordane	µg/L	2	**0.19**	< 0.10 U	< 0.11 U	**0.10**	**0.10 J**	**0.14**	**0.15**	< 0.026 U	< 0.030 UJ	**0.0073 J**	< 0.16 U
Beta-BHC	µg/L	---	**0.0038 J**	**0.0039 J**	**0.0071 J**	< 0.0081 U	< 0.0081 UJ	**0.0032 J**	**0.0083 J**	< 0.026 U	< 0.030 UJ	< 0.027 U	< 0.16 U
Camphechlor	µg/L	---	< 0.83 UJ	< 0.83 U	< 0.84 U	< 0.81 U	< 0.81 UJ	< 0.80 U	< 0.80 U	< 0.26 U	< 0.30 UJ	< 0.27 U	< 0.49 U
Chlordane	µg/L	---	---	---	---	---	---	---	---	---	---	---	< 0.49 U
Delta-BHC	µg/L	---	< 0.0083 UJ	< 0.0083 U	< 0.0084 U	< 0.0081 U	< 0.0081 UJ	< 0.0080 U	< 0.0080 U	< 0.026 U	< 0.030 UJ	< 0.027 U	< 0.16 U
Dieldrin	µg/L	---	**0.090 J**	**0.042**	**0.044**	**0.036**	**0.037 J**	**0.087**	**0.094**	< 0.026 U	< 0.030 UJ	< 0.027 U	< 0.16 U
Endosulfan I	µg/L	---	**0.025 J**	**0.015**	**0.016**	< 0.0081 UJ	**0.014 J**	**0.020**	**0.021**	< 0.026 U	< 0.030 UJ	< 0.027 U	< 0.16 U
Endosulfan II	µg/L	---	< 0.017 UJ	< 0.025 U	< 0.025 U	< 0.024 U	< 0.024 UJ	< 0.024 U	< 0.024 U	< 0.026 U	< 0.030 UJ	< 0.027 U	< 0.16 U
Endosulfan sulfate	µg/L	---	**0.0091 J**	< 0.017 U	**0.0052 J**	< 0.016 U	< 0.016 UJ	**0.010 J**	**0.010 J**	< 0.026 U	< 0.030 UJ	< 0.027 U	< 0.16 U
Endrin	µg/L	---	< 0.017 UJ	< 0.017 U	< 0.017 U	< 0.016 U	< 0.016 UJ	< 0.016 U	< 0.016 U	< 0.026 U	< 0.030 UJ	< 0.027 U	< 0.16 U
Endrin aldehyde	µg/L	---	< 0.083 UJ	< 0.083 U	< 0.084 U	< 0.081 U	< 0.081 UJ	< 0.080 U	< 0.080 U	< 0.026 U	< 0.030 UJ	< 0.027 U	< 0.16 U
Endrin ketone	µg/L	---	**0.011 J**	< 0.017 U	**0.0065 J**	**0.0073 J**	**0.0081 J**	**0.0073 J**	**0.0077 J**	< 0.026 U	< 0.030 UJ	< 0.027 U	< 0.16 U
Gamma-BHC	µg/L	0.2	**0.033 J**	< 0.010 U	< 0.011 U	**0.059**	**0.059 J**	**0.041**	**0.044**	< 0.026 U	< 0.030 UJ	< 0.027 U	< 0.16 U
Gamma-chlordane	µg/L	2	**0.17**	< 0.080 U	< 0.083 U	**0.077**	**0.075 J**	**0.099**	**0.11**	< 0.026 U	< 0.030 UJ	**0.0085 JP**	< 0.16 U
Heptachlor	µg/L	0.4	< 0.0083 UJ	< 0.0083 U	< 0.0084 U	< 0.0081 U	< 0.0081 UJ	< 0.0080 U	< 0.0080 U	< 0.026 U	< 0.030 UJ	< 0.027 U	< 0.16 U
Heptachlor epoxide	µg/L	0.2	< 0.022 UJ	**0.026**	**0.027**	**0.019**	**0.019 J**	**0.027**	**0.028**	< 0.026 U	< 0.030 UJ	< 0.027 U	< 0.16 U
Methoxychlor	µg/L	---	< 0.083 UJ	< 0.083 U	< 0.084 U	< 0.081 U	< 0.081 UJ	< 0.080 U	< 0.080 U	< 0.10 U	< 0.12 UJ	< 0.11 U	< 0.16 U
Mirex	µg/L	---	---	---	---	---	---	---	---	---	---	---	< 0.16 U
Volatile Organic Compounds													
1,1,1,2-Tetrachloroethane	µg/L	---	---	---	---	---	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U
1,1,1-Trichloroethane	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U
1,1,2,2-Tetrachloroethane	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U
1,1,2-Trichloroethane	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U
1,1-Dichloroethane	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U
1,1-Dichloroethene	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U
1,1-Dichloropropene	µg/L	---	---	---	---	---	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U
1,2,3-Trichlorobenzene	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 1.0 U
1,2,3-Trichloropropane	µg/L	---	---	---	---	---	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
1,2,4-Trichlorobenzene	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U
1,2,4-Trimethylbenzene	µg/L	---	---	---	---	---	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U
1,2-Dibromo-3-chloropropane	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
1,2-Dibromoethane	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U
1,2-Dichlorobenzene	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U
1,2-Dichloroethane	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U
1,2-Dichloropropane	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U
1,3,5-Trimethylbenzene	µg/L	---	---	---	---	---	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U
1,3-Dichlorobenzene	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U
1,3-Dichloropropane	µg/L	---	---	---	---	---	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U
1,4-Dichlorobenzene	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U
2,2-Dichloropropane	µg/L	---	---	---	---	---	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U
2-Butanone (MEK)	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 10 U	< 10 U	< 10 U	< 5.0 U
2-Chlorotoluene	µg/L	---	---	---	---	---	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U
4-Chlorotoluene	µg/L	---	---	---	---	---	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U
4-Methyl-2-Pentanone	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 10 U	< 10 U	< 10 U	< 5.0 U
Acetone	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	**2.0 J**	**13 J**	< 20 U	< 5.0 U
Benzene	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U
Bromobenzene	µg/L	---	---	---	---	---	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U
Bromochloromethane	µg/L	---	---	---	---	---	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U
Bromodichloromethane	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U
Bromoform	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U
Bromomethane	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U

Table 5
Comprehensive Analytical Results (2010 - 2015)
FGGM 13 Former Pesticide Shop, Building 6621
Fort George G. Meade, Maryland

		Monitoring Location:	MW-4R	MW-4R	MW-4R	MW-4R	MW-4R	MW-4R	MW-4R	MW-5	MW-5	MW-5	MW-5
		Sample Date:	10/16/2014	2/12/2015	2/12/2015	5/4/2015	5/4/2015	11/18/2015	11/18/2015	4/15/2010	4/27/2010	6/2/2010	2/24/2014
			FGGM13-MW4R(101614)	FGGM13-DUP01(021215)	FGGM13-MW4R(021215)	FGGM13-DUP01(050415)	FGGM13-MW4R(050415)	DUP01(111815)FD	FGGM13-MW4R(111815)	FM13-MW005 (041510)	FM13MW005 (042710)	FM13MW05 (060210)	FGGM13-MW-05(022414)
Analyte Group	**Units**	**SCL**											
Carbon Disulfide	µg/L	---	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	**4.0 U**	< 5.0 U	< 1.0 U
Carbon Tetrachloride	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U
CFC-11	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U
CFC-12	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U
Chlorobenzene	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U
Chlorodibromomethane	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U
Chloroethane	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U
Chloroform	µg/L	---	**1.2**	**0.9**	**0.8**	**0.8**	**0.8**	**0.6**	**0.6**	**1.1 J**	**1.0 J**	**0.89 J**	< 1.0 U
Chloromethane	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U
cis-1,2-Dichloroethene	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	**0.5 J**	**0.5 J**	**0.3 J**	**0.3 J**	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U
cis-1,3-Dichloropropene	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U
Cymene (p-Isopropyltoluene)	µg/L	---	---	---	---	---	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U
Dibromomethane	µg/L	---	---	---	---	---	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U
Dichloromethane	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U
Ethylbenzene	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U
Hexachloro-1,3-butadiene	µg/L	---	---	---	---	---	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U
Isopropylbenzene	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U
Methyl N-Butyl Ketone (2-Hexanone)	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 10 U	< 10 U	< 10 U	< 5.0 U
Methyl-tert-butylether	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	**0.52 J**	< 5.0 U	< 5.0 U	< 1.0 U
m-Xylene	µg/L	---	---	---	---	---	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	---
Naphthalene	µg/L	---	---	---	---	---	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U
N-Butylbenzene	µg/L	---	---	---	---	---	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U
N-Propylbenzene	µg/L	---	---	---	---	---	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U
o-Xylene	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U
sec-Butylbenzene	µg/L	---	---	---	---	---	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U
Styrene (Monomer)	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U
tert-Butylbenzene	µg/L	---	---	---	---	---	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U
Tetrachloroethene	µg/L	5	**1.0**	**0.6**	**0.6**	**0.8**	**0.8**	**0.6**	**0.6**	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U
Toluene	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	**0.74 J**	< 5.0 U	< 5.0 U	< 1.0 U
Total Xylenes	µg/L	---	---	---	---	---	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 3.0 U
trans-1,2-Dichloroethene	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U
trans-1,3-Dichloropropene	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U
Trichloroethene	µg/L	5	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U
Vinyl chloride	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 2.0 U	< 2.0 U	< 2.0 U	< 1.0 U
Metals, Total													
Aluminum	µg/L	---	**1,010 J**	**75.5 J**	**102 J**	**1,940 J**	**1,940 J**	**188 J**	**142 J**	**270 J**	**440 J**	**140 J**	---
Antimony	µg/L	---	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 10 U	**44**	**3.5 U**	---
Arsenic	µg/L	---	< 4.0 U	< 4.0 U	< 4.0 U	**1.1 J**	**0.95 J**	< 4.0 U	< 4.0 U	< 10 U	< 10 U	< 10 U	---
Barium	µg/L	---	**50.9**	**53.8**	**54.0**	**93.2**	**90.5**	**69.4**	**69.4**	**170**	**160**	**140**	---
Beryllium	µg/L	---	**0.052 J**	< 1.0 U	< 1.0 U	**0.059 J**	**0.056 J**	< 1.0 U	< 1.0 U	< 4.0 U	< 4.0 U	< 4.0 U	---
Cadmium	µg/L	---	**0.17 J**	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 2.0 U	< 2.0 U	< 2.0 U	---
Calcium	µg/L	---	**20,600 J**	**24,800**	**25,300**	**34,900**	**31,300**	**35,500**	**36,000**	**22,000**	**19,000**	**19,000**	---
Chromium	µg/L	---	**2.3 J**	< 30.0 U	< 30.0 U	**3.5 J**	**3.3 J**	**3.3 J**	**2.2 J**	< 5.0 U	< 5.0 U	< 5.0 U	---
Cobalt	µg/L	---	**1.5 J**	< 10.0 U	< 10.0 U	< 10.0 UJ	**1.0 J**	**1.3 J**	**0.91 J**	< 25 U	< 25 U	< 25 U	---
Copper	µg/L	---	< 20.0 UJ	< 20.0 U	< 20.0 U	< 5.8 U	< 5.6 U	< 20.0 U	< 20.0 U	< 5.0 U	**2.5 J**	< 5.0 U	---
Iron	µg/L	---	**2,010**	**35.2 J**	**59.7 J**	**1,770**	**1,910**	**657 J**	**343 J**	**140**	**360**	**63 J**	---
Lead	µg/L	---	**0.69 J**	**0.19 J**	**0.19 J**	**0.62 J**	**0.66 J**	**0.45 J**	**0.28 J**	< 10 U	< 10 U	< 10 U	---
Magnesium	µg/L	---	**3,720**	**4,860**	**4,940**	**6,940**	**6,740**	**5,870**	**5,910**	**8,000**	**7,800**	**7,000**	---
Manganese	µg/L	---	**14.4**	**15.3**	**15.1**	**14.3**	**13.8**	**11.6**	**11.4**	**54**	**55**	**42**	---
Mercury	µg/L	---	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.10 U	**0.062 J**	< 0.10 U	---
Nickel	µg/L	---	< 20.0 U	< 20.0 U	< 20.0 U	< 20.0 U	< 20.0 U	< 20.0 U	< 20.0 U	< 40 U	< 40 U	< 40 U	---
Potassium	µg/L	---	**2,300**	**2,350**	**2,410**	**3,170**	**3,100**	**2,580**	**2,700**	**3,800 J**	**3,500 J**	**3,100 J**	---
Selenium	µg/L	---	< 40.0 U	< 40.0 U	< 40.0 U	< 40.0 U	< 40.0 U	< 40.0 U	< 40.0 U	< 10 U	< 10 U	< 10 U	---
Silver	µg/L	---	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 5.0 U	< 5.0 U	< 5.0 U	---
Sodium	µg/L	---	**36,100**	**58,100**	**59,900**	**117,000**	**104,000**	**89,500**	**90,900**	**99,000**	**86,000**	**87,000**	---
Thallium	µg/L	---	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 50 U	**22 U**	< 50 U	---
Vanadium	µg/L	---	**3.9 J**	< 10.0 U	< 10.0 U	**4.9 J**	**4.9 J**	**1.6 J**	< 10.0 UJ	< 50 U	< 50 U	< 50 U	---

Table 5
Comprehensive Analytical Results (2010 - 2015)
FGGM 13 Former Pesticide Shop, Building 6621
Fort George G. Meade, Maryland

		Monitoring Location:	MW-4R	MW-4R	MW-4R	MW-4R	MW-4R	MW-4R	MW-4R	MW-5	MW-5	MW-5	MW-5
		Sample Date:	10/16/2014	2/12/2015	2/12/2015	5/4/2015	5/4/2015	11/18/2015	11/18/2015	4/15/2010	4/27/2010	6/2/2010	2/24/2014
			FGGM13-MW4R(101614)	FGGM13-DUP01(021215)	FGGM13-MW4R(021215)	FGGM13-DUP01(050415)	FGGM13-MW4R(050415)	DUP01(111815)FD	FGGM13-MW4R(111815)	FM13-MW005 (041510)	FM13MW005 (042710)	FM13MW05 (060210)	FGGM13-MW-05(022414)
Analyte Group	**Units**	**SCL**											
Zinc	µg/L	---	< 40.0 U	**3.4 J**	**4.0 J**	**3.8 J**	**3.5 J**	< 4.4 U	< 5.2 U	< 20 U	< 20 U	< 20 U	---
Metals, Dissolved													
Aluminum	µg/L	---	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 121 U	< 100 U	**100 J**	---	< 500 U	---
Antimony	µg/L	---	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 10 U	---	**3.5 UJ**	---
Arsenic	µg/L	---	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 10 U	---	**3.2 U**	---
Barium	µg/L	---	**46.0**	**52.5**	**54.9**	**84.8**	**87.7**	**68.9**	**66.9**	**170**	---	**140**	---
Beryllium	µg/L	---	< 1.0 U	< 1.0 U	< 1.0 U	**0.051 J**	**0.055 J**	< 1.0 U	< 1.0 U	< 4.0 U	---	< 4.0 U	---
Cadmium	µg/L	---	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 2.0 U	---	< 2.0 U	---
Calcium	µg/L	---	**20,100**	**24,700**	**23,900**	**32,100**	**32,600**	**34,900**	**34,500**	**21,000**	---	**19,000**	---
Chromium	µg/L	---	< 30.0 U	< 30.0 UJ	**1.4 J**	< 30.0 U	< 30.0 U	**2.4 J**	**2.0 J**	< 5.0 U	---	< 5.0 U	---
Cobalt	µg/L	---	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 UJ	**1.2 J**	< 1.9 UJ	< 1.1 UJ	< 25 U	---	< 25 U	---
Copper	µg/L	---	< 20.0 U	< 20.0 U	< 20.0 U	< 20.0 UJ	< 3.3 UJ	< 20.0 U	< 20.0 U	< 5.0 U	---	< 5.0 U	---
Iron	µg/L	---	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 100 U	---	< 100 U	---
Lead	µg/L	---	**0.089 J**	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 10 U	---	**3.4 J**	---
Magnesium	µg/L	---	**3,580**	**4,810**	**5,150**	**6,700**	**6,750**	**5,640**	**5,590**	**7,800**	---	**7,200**	---
Manganese	µg/L	---	**12.2**	**15.1**	**15.7**	**12.4**	**13.0**	< 10.2 U	< 15.4 U	**53**	---	**42**	---
Mercury	µg/L	---	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.10 U	---	< 0.10 UJ	---
Molybdenum	µg/L	---	---	---	---	---	---	---	---	< 40 U	---	< 40 U	---
Nickel	µg/L	---	< 20.0 U	< 20.0 U	< 20.0 U	< 20.0 U	< 20.0 U	< 20.0 U	**1.6 J**	< 40 U	---	< 40 U	---
Potassium	µg/L	---	**2,100**	**2,360**	**2,460**	**2,720**	**2,800**	**2,590**	**2,500**	**3,000 J**	---	**3,400 J**	---
Selenium	µg/L	---	< 40.0 U	< 40.0 U	< 40.0 U	< 40.0 U	< 40.0 U	< 40.0 U	< 40.0 U	< 10 U	---	< 10 U	---
Silver	µg/L	---	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 5.0 U	---	< 5.0 U	---
Sodium	µg/L	---	**38,700**	**57,200**	**56,200**	**107,000**	**111,000**	**88,300**	**87,100**	**97,000**	---	**91,000**	---
Thallium	µg/L	---	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 50 U	---	< 50 U	---
Vanadium	µg/L	---	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 50 U	---	< 50 U	---
Zinc	µg/L	---	< 6.5 U	**3.7 J**	**3.9 J**	**2.6 J**	**3.2 J**	**3.9 J**	**4.7 J**	< 20 U	---	< 20 U	---
Biogeochemical Parameters													
Ethane	µg/L	---	---	---	---	---	---	---	---	---	---	---	---
Ethene	µg/L	---	---	---	---	---	---	---	---	---	---	---	---
Methane	µg/L	---	---	---	---	---	---	---	---	---	---	---	---
Dissolved Organic Carbon	µg/L	---	---	---	---	---	---	---	---	---	---	---	---
Total Organic Carbon	µg/L	---	---	---	---	---	---	---	---	---	---	---	---

***Notes are provided on the last page of Table 5.**

Table 5
Comprehensive Analytical Results (2010 - 2015)
FGGM 13 Former Pesticide Shop, Building 6621
Fort George G. Meade, Maryland

		Monitoring Location:	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6
		Sample Date:	6/26/2014	9/10/2014	10/16/2014	2/12/2015	5/4/2015	11/18/2015	4/15/2010	4/22/2010	6/1/2010	2/25/2014	6/26/2014	9/9/2014
			FGGM13-MW5(062614)	FGGM13-MW5(091014)	FGGM13-MW5(101614)	FGGM13-MW5(021215)	FGGM13-MW5(050415)	FGGM13-MW5(111815)	FM13-MW006 (041510)	FM13MW006 (042210)-H	FM13MW06 (060110)	FGGM13-MW6	FGGM13-MW6(062614)	FGGM13-MW6(090914)
Analyte Group	**Units**	**SCL**												
Pesticides														
4,4-DDD	µg/L	---	< 0.018 U	< 0.017 U	< 0.016 U	< 0.017 U	< 0.017 U	< 0.016 U	< 0.025 U	< 0.026 U	< 0.026 U	< 0.16 U	< 0.016 U	< 0.016 U
4,4-DDE	µg/L	---	< 0.018 U	< 0.017 U	< 0.016 U	< 0.017 U	< 0.017 U	< 0.016 U	< 0.025 U	< 0.026 U	< 0.026 U	< 0.16 U	< 0.016 U	< 0.016 U
4,4-DDT	µg/L	---	< 0.018 U	< 0.017 U	< 0.016 U	< 0.017 U	< 0.017 U	< 0.016 U	< 0.025 U	< 0.026 U	< 0.026 U	< 0.16 U	< 0.016 U	< 0.016 U
Aldrin	µg/L	---	< 0.0089 U	< 0.0083 U	< 0.0082 U	< 0.0083 U	< 0.0083 U	< 0.0080 U	< 0.025 U	< 0.026 U	< 0.026 U	< 0.16 U	< 0.0081 U	< 0.0081 U
Alpha-BHC	µg/L	---	< 0.0089 U	< 0.0083 U	< 0.0082 U	< 0.0083 U	< 0.0083 U	< 0.0080 U	< 0.025 U	**0.0039 J**	< 0.026 U	< 0.16 U	< 0.0081 U	< 0.0081 U
Alpha-chlordane	µg/L	2	**0.0095**	**0.0045 J**	< 0.0082 U	< 0.011 U	< 0.0083 U	< 0.0080 U	< 0.025 U	< 0.026 U	< 0.026 U	< 0.16 U	**0.016**	**0.0035 J**
Beta-BHC	µg/L	---	< 0.0089 U	< 0.0083 U	< 0.0082 U	< 0.0083 U	< 0.0083 U	**0.0033 J**	< 0.025 U	< 0.026 U	< 0.026 U	< 0.16 U	< 0.0081 U	< 0.0081 U
Camphechlor	µg/L	---	< 0.89 U	< 0.83 U	< 0.82 U	< 0.83 U	< 0.83 U	< 0.80 U	< 0.25 U	< 0.26 U	< 0.26 U	< 0.49 U	< 0.81 U	< 0.81 U
Chlordane	µg/L	---	---	---	---	---	---	---	---	---	---	---	---	---
Delta-BHC	µg/L	---	< 0.0089 U	< 0.0083 U	< 0.0082 U	< 0.0083 U	< 0.0083 U	< 0.0080 U	< 0.025 U	< 0.026 U	< 0.026 U	< 0.16 U	< 0.0081 U	< 0.0081 U
Dieldrin	µg/L	---	< 0.018 U	< 0.017 U	< 0.016 U	< 0.017 U	< 0.017 U	< 0.016 U	< 0.025 U	< 0.026 U	< 0.026 U	< 0.16 U	< 0.016 U	< 0.016 U
Endosulfan I	µg/L	---	< 0.0089 U	< 0.0083 U	< 0.0082 U	**0.0044 J**	< 0.0083 U	< 0.0080 U	< 0.025 U	< 0.026 U	< 0.026 U	< 0.16 U	< 0.0081 U	< 0.0081 U
Endosulfan II	µg/L	---	< 0.018 U	< 0.017 U	< 0.016 U	< 0.025 U	< 0.025 U	< 0.024 U	< 0.025 U	< 0.026 U	< 0.026 U	< 0.16 U	< 0.016 U	< 0.016 U
Endosulfan sulfate	µg/L	---	< 0.018 U	< 0.017 U	< 0.016 U	< 0.017 U	< 0.017 U	< 0.016 U	< 0.025 U	< 0.026 U	< 0.026 U	< 0.16 U	< 0.016 U	< 0.016 U
Endrin	µg/L	---	< 0.018 U	< 0.017 U	< 0.016 U	< 0.017 U	< 0.017 U	< 0.016 U	< 0.025 U	< 0.026 U	< 0.026 U	< 0.16 U	< 0.016 U	< 0.016 U
Endrin aldehyde	µg/L	---	< 0.089 U	< 0.083 U	< 0.082 U	< 0.083 U	< 0.083 U	< 0.080 U	< 0.025 U	< 0.026 U	< 0.026 U	< 0.16 U	< 0.081 U	< 0.081 U
Endrin ketone	µg/L	---	< 0.018 U	< 0.017 U	< 0.016 U	< 0.017 U	< 0.017 U	< 0.016 U	< 0.025 U	< 0.026 U	< 0.026 U	< 0.16 U	< 0.016 U	< 0.016 U
Gamma-BHC	µg/L	0.2	< 0.0089 U	**0.0035 J**	< 0.0082 U	< 0.0083 U	< 0.0083 U	< 0.0080 U	< 0.025 U	< 0.026 U	< 0.026 U	< 0.16 U	< 0.0081 U	< 0.0081 U
Gamma-chlordane	µg/L	2	**0.0089 J**	< 0.0083 U	< 0.0082 U	< 0.017 U	< 0.017 U	< 0.016 U	< 0.025 U	**0.25 P**	< 0.026 U	< 0.16 U	**0.013**	< 0.0081 U
Heptachlor	µg/L	0.4	< 0.0089 U	< 0.0083 U	< 0.0082 U	< 0.0083 U	< 0.0083 U	< 0.0080 U	< 0.025 U	< 0.026 U	< 0.026 U	< 0.16 U	< 0.0081 U	< 0.0081 U
Heptachlor epoxide	µg/L	0.2	< 0.0089 U	< 0.0083 U	< 0.0082 U	< 0.0083 U	< 0.0083 U	< 0.0080 U	< 0.025 U	< 0.026 U	< 0.026 U	< 0.16 U	< 0.0081 U	< 0.0081 U
Methoxychlor	µg/L	---	< 0.089 U	< 0.083 U	< 0.082 U	< 0.083 U	< 0.083 U	< 0.080 U	< 0.10 U	< 0.10 U	< 0.11 U	< 0.16 U	< 0.081 U	< 0.081 U
Mirex	µg/L	---	---	---	---	---	---	---	---	---	---	< 0.16 U	---	---
Volatile Organic Compounds														
1,1,1,2-Tetrachloroethane	µg/L	---	---	---	---	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	---	---
1,1,1-Trichloroethane	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U
1,1,2,2-Tetrachloroethane	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U
1,1,2-Trichloroethane	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U
1,1-Dichloroethane	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U
1,1-Dichloroethene	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U
1,1-Dichloropropene	µg/L	---	---	---	---	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	---	---
1,2,3-Trichlorobenzene	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U
1,2,3-Trichloropropane	µg/L	---	---	---	---	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	---	---
1,2,4-Trichlorobenzene	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U
1,2,4-Trimethylbenzene	µg/L	---	---	---	---	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	---	---
1,2-Dibromo-3-chloropropane	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 0.5 U	< 0.5 U
1,2-Dibromoethane	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U
1,2-Dichlorobenzene	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U
1,2-Dichloroethane	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U
1,2-Dichloropropane	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U
1,3,5-Trimethylbenzene	µg/L	---	---	---	---	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	---	---
1,3-Dichlorobenzene	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U
1,3-Dichloropropane	µg/L	---	---	---	---	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	---	---
1,4-Dichlorobenzene	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U
2,2-Dichloropropane	µg/L	---	---	---	---	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	---	---
2-Butanone (MEK)	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 10 U	< 10 U	< 10 U	< 5.0 U	< 5.0 U	< 5.0 U
2-Chlorotoluene	µg/L	---	---	---	---	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	---	---
4-Chlorotoluene	µg/L	---	---	---	---	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	---	---
4-Methyl-2-Pentanone	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 10 U	< 10 U	< 10 U	< 5.0 U	< 5.0 U	< 5.0 U
Acetone	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	**1.6 J**	**11 J**	< 20 U	< 5.0 U	< 5.0 U	< 5.0 U
Benzene	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U
Bromobenzene	µg/L	---	---	---	---	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	---	---
Bromochloromethane	µg/L	---	---	---	---	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	---	---
Bromodichloromethane	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U
Bromoform	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U
Bromomethane	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U

Table 5
Comprehensive Analytical Results (2010 - 2015)
FGGM 13 Former Pesticide Shop, Building 6621
Fort George G. Meade, Maryland

		Monitoring Location:	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6
		Sample Date:	6/26/2014	9/10/2014	10/16/2014	2/12/2015	5/4/2015	11/18/2015	4/15/2010	4/22/2010	6/1/2010	2/25/2014	6/26/2014	9/9/2014
			FGGM13-MW5(062614)	FGGM13-MW5(091014)	FGGM13-MW5(101614)	FGGM13-MW5(021215)	FGGM13-MW5(050415)	FGGM13-MW5(111815)	FM13-MW006 (041510)	FM13MW006 (042210)-H	FM13MW06 (060110)	FGGM13-MW6	FGGM13-MW6(062614)	FGGM13-MW6(090914)
Analyte Group	**Units**	**SCL**												
Carbon Disulfide	µg/L	---	< 0.5 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 1.0 U
Carbon Tetrachloride	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U
CFC-11	µg/L	---	**0.1 J**	< 0.5 U	< 0.5 U	**0.1 J**	**0.1 J**	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U
CFC-12	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U
Chlorobenzene	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U
Chlorodibromomethane	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U
Chloroethane	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U
Chloroform	µg/L	---	**1.1**	**0.8**	**0.9**	**1.0**	**1.3**	**0.6**	**0.61 J**	**0.63 J**	**0.66 J**	< 1.0 U	**0.7**	**0.7**
Chloromethane	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U
cis-1,2-Dichloroethene	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U
cis-1,3-Dichloropropene	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U
Cymene (p-Isopropyltoluene)	µg/L	---	---	---	---	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	---	---
Dibromomethane	µg/L	---	---	---	---	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	---	---
Dichloromethane	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U
Ethylbenzene	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U
Hexachloro-1,3-butadiene	µg/L	---	---	---	---	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	---	---
Isopropylbenzene	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U
Methyl N-Butyl Ketone (2-Hexanone)	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 10 U	< 10 U	< 10 U	< 5.0 U	< 5.0 U	< 5.0 U
Methyl-tert-butylether	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	**0.1 J**	< 0.5 U	< 0.5 U	< 5.0 U	**0.47 J**	**0.47 J**	< 1.0 U	< 0.5 U	< 0.5 U
m-Xylene	µg/L	---	---	---	---	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	---	---	---
Naphthalene	µg/L	---	---	---	---	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	---	---
N-Butylbenzene	µg/L	---	---	---	---	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	---	---
N-Propylbenzene	µg/L	---	---	---	---	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	---	---
o-Xylene	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U
sec-Butylbenzene	µg/L	---	---	---	---	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	---	---
Styrene (Monomer)	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U
tert-Butylbenzene	µg/L	---	---	---	---	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	---	---
Tetrachloroethene	µg/L	5	**0.1 J**	< 0.5 U	< 0.5 U	**0.1 J**	**0.1 J**	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	**0.2 J**	< 0.5 U
Toluene	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	**0.44 J**	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U
Total Xylenes	µg/L	---	---	---	---	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 3.0 U	---	---
trans-1,2-Dichloroethene	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U
trans-1,3-Dichloropropene	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U
Trichloroethene	µg/L	5	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U
Vinyl chloride	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 2.0 U	< 2.0 U	< 2.0 U	< 1.0 U	< 0.5 U	< 0.5 U
Metals, Total														
Aluminum	µg/L	---	**108 J**	**119 J**	**635 J**	< 400 U	**510 J**	< 400 U	**1,300**	**850 B**	**350 J**	---	**793 J**	**1,330 J**
Antimony	µg/L	---	< 40.0 U	< 2.0 U	**0.43 J**	< 2.0 U	< 2.0 U	< 2.0 U	< 10 U	**7.0 U**	< 10 U	---	< 40.0 U	< 2.0 U
Arsenic	µg/L	---	< 40.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	**0.66 J**	< 10 U	**4.3 J**	**4.8 U**	---	< 40.0 U	**0.96 J**
Barium	µg/L	---	**113**	**179**	**200**	**168**	**125**	**392**	**83**	**93**	**80**	---	**86.9**	**87.8**
Beryllium	µg/L	---	< 10.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 4.0 U	< 4.0 U	< 4.0 U	---	< 10.0 U	< 1.0 U
Cadmium	µg/L	---	< 10.0 U	< 1.0 U	**0.21 J**	**0.22 J**	**0.17 J**	**0.33 J**	< 2.0 U	< 2.0 U	< 2.0 U	---	< 10.0 U	< 1.0 U
Calcium	µg/L	---	**16,200**	**24,600**	**27,500**	**19,400**	**17,200**	**49,700**	**19,000**	**18,000**	**16,000**	---	**17,700**	**14,800**
Chromium	µg/L	---	< 30.0 U	< 30.0 U	**1.6 J**	< 30.0 U	< 30.0 U	**2.5 J**	< 5.0 U	< 5.0 U	< 5.0 U	---	**2.2 J**	**2.2 J**
Cobalt	µg/L	---	**3.8 J**	**3.7 J**	**4.2 J**	**4.8 J**	**3.9 J**	**6.4 J**	< 25 U	< 25 U	< 25 U	---	**2.3 J**	**2.4 J**
Copper	µg/L	---	< 20.0 U	< 20.0 UJ	< 20.0 U	< 20.0 U	< 5 U	< 20.0 U	**4.9 J**	**8.7**	< 5.0 U	---	**3.0 J**	**4.8 J**
Iron	µg/L	---	< 400 U	**37.1 J**	**706**	**35.5 J**	**183 J**	< 400 UJ	**1,900**	**2,800**	**420**	---	**749 J**	**1,050 J**
Lead	µg/L	---	< 30.0 U	**0.13 J**	**0.58 J**	**0.14 J**	**0.44 J**	**0.33 J**	< 10 U	**8.0 J**	< 10 U	---	< 30.0 U	**0.74 J**
Magnesium	µg/L	---	**5,340**	**8,560**	**9,600**	**7,030**	**5,220**	**14,400**	**5,200**	**5,300**	**5,200**	---	**4,780**	**4,750**
Manganese	µg/L	---	**40.8**	**57.8**	**59.7**	**68.7**	**59.9**	**67.2**	**23**	**25**	**22**	---	**18.5**	**19.5**
Mercury	µg/L	---	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.10 U	< 0.10 U	< 0.10 U	---	< 0.20 U	< 0.20 U
Nickel	µg/L	---	**4.7 J**	**5.0 J**	**6.6 J**	**7.2 J**	**5.3 J**	**7.4 J**	< 40 U	< 40 U	< 40 U	---	**2.4 J**	**2.4 J**
Potassium	µg/L	---	**3,160**	**3,860**	**4,300**	**3,230**	**2,790**	**4,620**	**3,200 J**	**3,400 J**	**3,200 J**	---	**2,880**	**2,950**
Selenium	µg/L	---	< 40.0 U	< 40.0 U	< 40.0 U	< 40.0 U	< 40.0 U	< 40.0 U	< 10 U	< 10 U	< 10 U	---	< 40.0 U	< 40.0 U
Silver	µg/L	---	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 5.0 U	< 5.0 U	< 5.0 U	---	< 10.0 U	< 10.0 U
Sodium	µg/L	---	**51,500**	**105,000**	**124,000**	**86,500**	**50,700**	**238,000**	**66,000**	**67,000**	**58,000**	---	**61,700**	**42,300**
Thallium	µg/L	---	< 5.6 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 50 U	**16 U**	< 50 U	---	< 60.0 U	< 1.0 U
Vanadium	µg/L	---	< 10.0 U	< 10.0 U	**2.3 J**	< 10.0 U	< 10.0 U	< 10.0 UJ	< 50 U	< 50 U	< 50 U	---	**2.2 J**	**3.0 J**

Table 5
Comprehensive Analytical Results (2010 - 2015)
FGGM 13 Former Pesticide Shop, Building 6621
Fort George G. Meade, Maryland

		Monitoring Location:	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6
		Sample Date:	6/26/2014	9/10/2014	10/16/2014	2/12/2015	5/4/2015	11/18/2015	4/15/2010	4/22/2010	6/1/2010	2/25/2014	6/26/2014	9/9/2014
			FGGM13-MW5(062614)	FGGM13-MW5(091014)	FGGM13-MW5(101614)	FGGM13-MW5(021215)	FGGM13-MW5(050415)	FGGM13-MW5(111815)	FM13-MW006 (041510)	FM13MW006 (042210)-H	FM13MW06 (060110)	FGGM13-MW6	FGGM13-MW6(062614)	FGGM13-MW6(090914)
Analyte Group	**Units**	**SCL**												
Zinc	µg/L	---	**6.1 J**	**4.5 J**	< 40.0 U	**8.9 J**	**7.5 J**	< 7.7 U	**6.7 J**	**7.7 J**	< 20 U	---	**5.0 J**	**4.6 J**
Metals, Dissolved														
Aluminum	µg/L	---	< 400 U	< 400 U	**73.4 J**	< 400 U	< 400 U	< 400 U	**84 J**	---	< 500 U	---	< 400 U	**70.3 J**
Antimony	µg/L	---	< 40.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 10 U	---	< 10 UJ	---	< 40.0 U	< 2.0 U
Arsenic	µg/L	---	< 40.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 10 U	---	**6.3 U**	---	< 40.0 U	< 4.0 U
Barium	µg/L	---	**113**	**179**	**189**	**166**	**125**	**388**	**78**	---	**79**	---	**83.5**	**82.8**
Beryllium	µg/L	---	< 10.0 U	< 1.0 U	**0.049 J**	< 1.0 U	< 1.0 U	< 1.0 U	< 4.0 U	---	< 4.0 U	---	< 10.0 U	< 1.0 U
Cadmium	µg/L	---	< 10.0 U	**0.19 J**	**0.22 J**	< 1.0 U	< 1.0 U	**0.38 J**	< 2.0 U	---	< 2.0 U	---	< 10.0 U	< 1.0 U
Calcium	µg/L	---	**16,300**	**24,900**	**27,300**	**19,300**	**17,000**	**48,000**	**19,000**	---	**16,000**	---	**17,400**	**14,600**
Chromium	µg/L	---	< 30.0 U	< 30.0 U	< 30.0 U	< 30.0 U	< 30.0 U	**4.0 J**	< 5.0 U	---	< 5.0 U	---	< 30.0 U	< 30.0 U
Cobalt	µg/L	---	**4.0 J**	**3.7 J**	**3.6 J**	**5.0 J**	**3.9 J**	< 5.7 UJ	< 25 U	---	< 25 U	---	**2.2 J**	**2.5 J**
Copper	µg/L	---	**3.1 J**	< 20.0 U	< 20.0 U	< 20.0 U	< 3.9 UJ	< 20.0 U	< 5.0 U	---	< 5.0 U	---	< 20.0 U	< 20.0 U
Iron	µg/L	---	< 400 U	< 400 U	< 400 U	**49.1 J**	< 400 U	< 400 U	< 100 U	---	< 100 U	---	< 400 U	< 400 U
Lead	µg/L	---	< 30.0 U	< 2.0 U	**0.20 J**	**0.086 J**	**0.087 J**	< 2.0 U	< 10 U	---	**3.7 J**	---	< 30.0 U	**0.096 J**
Magnesium	µg/L	---	**5,320**	**8,670**	**9,520**	**6,980**	**5,240**	**13,700**	**5,200**	---	**5,200**	---	**4,740**	**4,670**
Manganese	µg/L	---	**40.5**	**58.5**	**56.3**	**67.6**	**59.1**	< 66.7 U	**20**	---	**21**	---	**17.7**	**18.5**
Mercury	µg/L	---	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.10 U	---	**0.070 J**	---	< 0.20 U	< 0.20 U
Molybdenum	µg/L	---	---	---	---	---	---	---	< 40 U	---	< 40 U	---	---	---
Nickel	µg/L	---	**4.8 J**	**6.4 J**	**5.5 J**	**8.5 J**	**6.4 J**	**7.7 J**	< 40 U	---	< 40 U	---	**2.6 J**	**3.2 J**
Potassium	µg/L	---	**3,250**	**3,890**	**4,140**	**3,280**	**2,760**	**4,570**	**2,700 J**	---	**2,700 J**	---	**2,710**	**2,720**
Selenium	µg/L	---	< 40.0 U	< 40.0 U	< 40.0 U	< 40.0 U	< 40.0 U	< 40.0 U	< 10 U	---	< 10 U	---	< 40.0 U	< 40.0 U
Silver	µg/L	---	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	**2.0 J**	---	< 5.0 U	---	< 10.0 U	< 10.0 U
Sodium	µg/L	---	**51,400**	**103,000**	**126,000**	**84,400**	**52,000**	**232,000**	**67,000**	---	**58,000**	---	**62,600**	**41,000**
Thallium	µg/L	---	< 60.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 50 U	---	< 50 U	---	< 60.0 U	< 1.0 U
Vanadium	µg/L	---	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 50 U	---	< 50 U	---	< 10.0 U	< 10.0 U
Zinc	µg/L	---	**6.6 J**	**5.8 J**	< 10.7 U	**10.6 J**	**7.4 J**	**8.2 J**	< 20 U	---	< 20 U	---	**5.0 J**	< 5.4 U
Biogeochemical Parameters														
Ethane	µg/L	---	---	---	---	---	---	---	---	---	---	---	---	---
Ethene	µg/L	---	---	---	---	---	---	---	---	---	---	---	---	---
Methane	µg/L	---	---	---	---	---	---	---	---	---	---	---	---	---
Dissolved Organic Carbon	µg/L	---	---	---	---	---	---	---	---	---	---	---	---	---
Total Organic Carbon	µg/L	---	---	---	---	---	---	---	---	---	---	---	---	---

***Notes are provided on the last page of Table 5.**

Table 5
Comprehensive Analytical Results (2010 - 2015)
FGGM 13 Former Pesticide Shop, Building 6621
Fort George G. Meade, Maryland

		Monitoring Location:	MW-6	MW-6	MW-6	MW-6	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7
		Sample Date:	10/16/2014	2/13/2015	5/4/2015	11/18/2015	4/14/2010	4/22/2010	6/1/2010	2/25/2014	6/26/2014	9/9/2014	10/16/2014	2/13/2015
			FGGM13-MW6(101614)	FGGM13-MW6(021315)	FGGM13-MW6(050415)	FGGM13-MW6(111815)	FM13-MW007 (041410)	FM13MW007 (042210)-H	FM13MW07 (060110)	FGGM13-MW7	FGGM13-MW7(062614)	FGGM13-MW7(090914)	FGGM13-MW7(101614)	FGGM13-MW7(021315)
Analyte Group	**Units**	**SCL**												
Pesticides														
4,4-DDD	µg/L	---	< 0.017 U	< 0.017 U	< 0.017 U	< 0.016 U	< 0.026 U	< 0.025 UJ	< 0.027 UJ	< 0.16 U	< 0.017 U	< 0.019 U	< 0.016 UJ	< 0.017 U
4,4-DDE	µg/L	---	< 0.017 U	< 0.017 U	< 0.017 U	< 0.016 U	< 0.026 U	< 0.025 UJ	< 0.027 UJ	< 0.16 U	< 0.017 U	< 0.019 U	< 0.016 UJ	< 0.017 U
4,4-DDT	µg/L	---	< 0.017 U	< 0.017 U	< 0.017 U	< 0.016 U	< 0.026 U	< 0.025 UJ	< 0.027 UJ	< 0.16 U	< 0.017 U	< 0.019 U	< 0.016 UJ	< 0.017 U
Aldrin	µg/L	---	< 0.0083 U	< 0.0084 U	< 0.0083 U	< 0.0081 U	< 0.026 U	< 0.025 UJ	< 0.027 UJ	< 0.16 U	< 0.0084 U	< 0.0093 U	< 0.0081 UJ	< 0.0085 U
Alpha-BHC	µg/L	---	< 0.0083 U	< 0.0084 U	< 0.0083 U	< 0.0081 U	< 0.026 U	< 0.025 UJ	< 0.027 UJ	< 0.16 U	< 0.0084 U	< 0.0093 U	< 0.0081 UJ	< 0.0085 U
Alpha-chlordane	µg/L	2	< 0.0083 U	**0.0037 J**	**0.0031 J**	**0.0049 J**	**0.014 J**	**0.014 J**	**0.012 J**	< 0.16 U	**0.014**	**0.015**	**0.010 J**	**0.013**
Beta-BHC	µg/L	---	< 0.0083 U	< 0.0084 U	< 0.0083 U	< 0.0081 U	< 0.026 U	< 0.025 UJ	< 0.027 UJ	< 0.16 U	< 0.0084 U	< 0.0093 U	< 0.0081 UJ	< 0.0085 U
Camphechlor	µg/L	---	< 0.83 U	< 0.84 U	< 0.83 U	< 0.81 U	< 0.26 U	< 0.25 UJ	< 0.27 UJ	< 0.47 U	< 0.84 U	< 0.93 U	< 0.81 UJ	< 0.85 U
Chlordane	µg/L	---	---	---	---	---	---	---	---	---	---	---	---	---
Delta-BHC	µg/L	---	< 0.0083 U	< 0.0084 U	< 0.0083 U	< 0.0081 U	< 0.026 U	< 0.025 UJ	< 0.027 UJ	< 0.16 U	< 0.0084 U	< 0.0093 U	< 0.0081 UJ	< 0.0085 U
Dieldrin	µg/L	---	< 0.017 U	< 0.017 U	< 0.017 U	< 0.016 U	< 0.026 U	< 0.025 UJ	< 0.027 UJ	< 0.16 U	< 0.017 U	< 0.019 U	< 0.016 UJ	< 0.017 U
Endosulfan I	µg/L	---	< 0.0083 U	< 0.0084 U	< 0.0083 U	< 0.0081 U	< 0.026 U	< 0.025 UJ	< 0.027 UJ	< 0.16 U	< 0.0084 U	< 0.0093 U	< 0.0081 UJ	< 0.0085 U
Endosulfan II	µg/L	---	< 0.017 U	< 0.025 U	< 0.025 U	< 0.024 U	< 0.026 U	< 0.025 UJ	< 0.027 UJ	< 0.16 U	< 0.017 U	< 0.019 U	< 0.016 UJ	< 0.026 U
Endosulfan sulfate	µg/L	---	< 0.017 U	< 0.017 U	< 0.017 U	< 0.016 U	< 0.026 U	< 0.025 UJ	< 0.027 UJ	< 0.16 U	< 0.017 U	< 0.019 U	< 0.016 UJ	< 0.017 U
Endrin	µg/L	---	< 0.017 U	< 0.017 U	< 0.017 U	< 0.016 U	< 0.026 U	< 0.025 UJ	< 0.027 UJ	< 0.16 U	< 0.017 U	< 0.019 U	< 0.016 UJ	< 0.017 U
Endrin aldehyde	µg/L	---	< 0.083 U	< 0.084 U	< 0.083 U	< 0.081 U	< 0.026 U	< 0.025 UJ	< 0.027 UJ	< 0.16 U	< 0.084 U	< 0.093 U	< 0.081 UJ	< 0.085 U
Endrin ketone	µg/L	---	< 0.017 U	< 0.017 U	< 0.017 U	< 0.016 U	< 0.026 U	< 0.025 UJ	< 0.027 UJ	< 0.16 U	< 0.017 U	< 0.019 U	< 0.016 UJ	< 0.017 U
Gamma-BHC	µg/L	0.2	< 0.0083 U	< 0.0084 U	< 0.0083 U	< 0.0081 U	< 0.026 U	< 0.025 UJ	< 0.027 UJ	< 0.16 U	< 0.0084 U	< 0.0093 U	< 0.0081 UJ	< 0.0085 U
Gamma-chlordane	µg/L	2	< 0.0083 U	< 0.017 U	< 0.017 U	< 0.016 U	**0.016 JP**	**0.016 J**	**0.015 J**	< 0.16 U	**0.012**	**0.014**	**0.0089 J**	**0.0095 J**
Heptachlor	µg/L	0.4	< 0.0083 U	< 0.0084 U	< 0.0083 U	< 0.0081 U	< 0.026 U	< 0.025 UJ	< 0.027 UJ	< 0.16 U	< 0.0084 U	< 0.0093 U	< 0.0081 UJ	< 0.0085 U
Heptachlor epoxide	µg/L	0.2	< 0.0083 U	< 0.0084 U	< 0.0083 U	**0.0020 J**	< 0.026 U	< 0.025 UJ	< 0.027 UJ	< 0.16 U	< 0.0084 U	**0.0036 J**	< 0.0081 UJ	< 0.0085 U
Methoxychlor	µg/L	---	< 0.083 U	< 0.084 U	< 0.083 U	< 0.081 U	< 0.10 U	< 0.10 UJ	< 0.11 UJ	< 0.16 U	< 0.084 U	< 0.093 U	< 0.081 UJ	< 0.085 U
Mirex	µg/L	---	---	---	---	---	---	---	---	< 0.16 U	---	---	---	---
Volatile Organic Compounds														
1,1,1,2-Tetrachloroethane	µg/L	---	---	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	---	---	---	---
1,1,1-Trichloroethane	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,1,2,2-Tetrachloroethane	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	**1.3 J**	**2.2 J**	**0.80 J**	**0.86 J**	**1.1**	**1.1**	**1.4**	**1.1**
1,1,2-Trichloroethane	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,1-Dichloroethane	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,1-Dichloroethene	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,1-Dichloropropene	µg/L	---	---	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	---	---	---	---
1,2,3-Trichlorobenzene	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,2,3-Trichloropropane	µg/L	---	---	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	---	---	---	---
1,2,4-Trichlorobenzene	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,2,4-Trimethylbenzene	µg/L	---	---	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	---	---	---	---
1,2-Dibromo-3-chloropropane	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,2-Dibromoethane	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,2-Dichlorobenzene	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,2-Dichloroethane	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,2-Dichloropropane	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,3,5-Trimethylbenzene	µg/L	---	---	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	---	---	---	---
1,3-Dichlorobenzene	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,3-Dichloropropane	µg/L	---	---	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	---	---	---	---
1,4-Dichlorobenzene	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
2,2-Dichloropropane	µg/L	---	---	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	---	---	---	---
2-Butanone (MEK)	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 10 U	< 10 U	< 10 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
2-Chlorotoluene	µg/L	---	---	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	---	---	---	---
4-Chlorotoluene	µg/L	---	---	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	---	---	---	---
4-Methyl-2-Pentanone	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 10 U	< 10 U	< 10 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Acetone	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	**3.0 J**	**12 J**	**1.9 U**	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Benzene	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Bromobenzene	µg/L	---	---	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	---	---	---	---
Bromochloromethane	µg/L	---	---	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	---	---	---	---
Bromodichloromethane	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Bromoform	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Bromomethane	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U

Table 5
Comprehensive Analytical Results (2010 - 2015)
FGGM 13 Former Pesticide Shop, Building 6621
Fort George G. Meade, Maryland

		Monitoring Location:	MW-6	MW-6	MW-6	MW-6	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7
		Sample Date:	10/16/2014	2/13/2015	5/4/2015	11/18/2015	4/14/2010	4/22/2010	6/1/2010	2/25/2014	6/26/2014	9/9/2014	10/16/2014	2/13/2015
			FGGM13-MW6(101614)	FGGM13-MW6(021315)	FGGM13-MW6(050415)	FGGM13-MW6(111815)	FM13-MW007 (041410)	FM13MW007 (042210)-H	FM13MW07 (060110)	FGGM13-MW7	FGGM13-MW7(062614)	FGGM13-MW7(090914)	FGGM13-MW7(101614)	FGGM13-MW7(021315)
Analyte Group	**Units**	**SCL**												
Carbon Disulfide	µg/L	---	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	**4.0 U**	< 5.0 U	< 1.0 U	< 0.5 U	< 1.0 U	< 1.0 U	< 1.0 U
Carbon Tetrachloride	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
CFC-11	µg/L	---	**0.1 J**	**0.1 J**	< 0.5 U	**0.1 J**	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
CFC-12	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Chlorobenzene	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Chlorodibromomethane	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Chloroethane	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Chloroform	µg/L	---	**0.8**	**0.7**	**0.7**	**0.6**	**1.4 J**	**1.4 J**	**1.2 J**	< 1.0 U	**0.3 J**	**0.5**	**0.5 J**	**0.3 J**
Chloromethane	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
cis-1,2-Dichloroethene	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
cis-1,3-Dichloropropene	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Cymene (p-Isopropyltoluene)	µg/L	---	---	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	---	---	---	---
Dibromomethane	µg/L	---	---	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	---	---	---	---
Dichloromethane	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Ethylbenzene	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Hexachloro-1,3-butadiene	µg/L	---	---	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	---	---	---	---
Isopropylbenzene	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Methyl N-Butyl Ketone (2-Hexanone)	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 10 U	< 10 U	< 10 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Methyl-tert-butylether	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
m-Xylene	µg/L	---	---	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	---	---	---	---	---
Naphthalene	µg/L	---	---	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	---	---	---	---
N-Butylbenzene	µg/L	---	---	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	---	---	---	---
N-Propylbenzene	µg/L	---	---	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	---	---	---	---
o-Xylene	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
sec-Butylbenzene	µg/L	---	---	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	---	---	---	---
Styrene (Monomer)	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
tert-Butylbenzene	µg/L	---	---	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	---	---	---	---
Tetrachloroethene	µg/L	5	**0.1 J**	**0.1 J**	**0.1 J**	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Toluene	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	**0.56 J**	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Total Xylenes	µg/L	---	---	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 3.0 U	---	---	---	---
trans-1,2-Dichloroethene	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
trans-1,3-Dichloropropene	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Trichloroethene	µg/L	5	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Vinyl chloride	µg/L	---	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 2.0 U	< 2.0 U	< 2.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Metals, Total														
Aluminum	µg/L	---	**456 J**	< 400 U	**345 J**	< 400 U	**890**	**2,000 B**	**670**	---	**716 J**	**1,170 J**	**5,200 J**	< 400 U
Antimony	µg/L	---	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 10 U	**5.1 U**	< 10 U	---	< 40.0 U	< 2.0 U	< 2.0 U	< 2.0 U
Arsenic	µg/L	---	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 10 U	**8.0 J**	**5.2 U**	---	< 40.0 U	< 4.0 U	**4.5**	< 4.0 U
Barium	µg/L	---	**92.2**	**117**	**97.2**	**123**	**56**	**77**	**48**	---	**43.5**	**42.6**	**49.9**	**51.2**
Beryllium	µg/L	---	**0.052 J**	< 1.0 U	< 1.0 U	< 1.0 U	< 4.0 U	< 4.0 U	< 4.0 U	---	< 10.0 U	**0.061 J**	**0.24 J**	< 1.0 U
Cadmium	µg/L	---	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 2.0 U	< 2.0 U	< 2.0 U	---	< 10.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Calcium	µg/L	---	**15,100**	**21,000**	**20,300**	**26,200**	**12,000**	**13,000**	**11,000**	---	**10,200**	**8,980**	**9,240**	**12,600**
Chromium	µg/L	---	< 30.0 U	< 30.0 U	< 30.0 U	< 30.0 U	< 5.0 U	**5.3**	< 5.0 U	---	< 30.0 U	**2.3 J**	**20.2 J**	< 30.0 U
Cobalt	µg/L	---	**2.8 J**	**2.6 J**	**1.9 J**	**2.5 J**	< 25 U	**8.1 J**	< 25 U	---	**3.2 J**	**3.6 J**	**5.1 J**	**3.1 J**
Copper	µg/L	---	**3.6 J**	< 20.0 U	< 5.6 U	< 20.0 U	**2.4 J**	**14**	< 5.0 U	---	< 20.0 U	**3.7 J**	**29.1**	< 20.0 U
Iron	µg/L	---	**946**	< 400 U	**236 J**	**125 J**	**1,800**	**9,800**	**1,400**	---	**1,070 J**	**1,470 J**	**22,600**	**35.6 J**
Lead	µg/L	---	**0.42 J**	**0.17 J**	**0.26 J**	**0.24 J**	**3.2 J**	**8.7 J**	< 10 U	---	< 30.0 U	**0.61 J**	**5.5**	**0.17 J**
Magnesium	µg/L	---	**5,020**	**6,360**	**5,600**	**7,610**	**3,500 J**	**4,000 J**	**3,200 J**	---	**2,690**	**2,500**	**2,850**	**3,360**
Manganese	µg/L	---	**21.8**	**23.6**	**18.9**	**21.4**	**22**	**38**	**16**	---	**16.0**	**16.6**	**30.4**	**17.3**
Mercury	µg/L	---	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.10 U	< 0.10 U	**0.080 J**	---	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U
Nickel	µg/L	---	**2.8 J**	**2.1 J**	**2.3 J**	**2.0 J**	< 40 U	< 40 U	< 40 U	---	**3.5 J**	**3.9 J**	**6.1 J**	**3.1 J**
Potassium	µg/L	---	**2,970**	**3,240**	**3,060**	**3,270**	**1,900 J**	**3,300 J**	**2,100 J**	---	**2,000**	**2,030**	**3,080**	**1,970**
Selenium	µg/L	---	< 40.0 U	< 40.0 U	< 40.0 U	< 40.0 U	< 10 U	< 10 U	< 10 U	---	< 40.0 U	< 40.0 U	< 40.0 U	< 40.0 U
Silver	µg/L	---	< 10.0 U	< 10.0 U	< 10.0 U	**1.6 J**	< 5.0 U	< 5.0 U	< 5.0 U	---	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U
Sodium	µg/L	---	**37,600**	**68,100**	**76,300**	**95,600**	**43,000**	**46,000**	**42,000**	---	**43,300**	**38,800**	**36,300**	**48,200**
Thallium	µg/L	---	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 50 U	< 50 U	< 50 U	---	< 5.2 U	< 1.0 U	< 1.0 U	< 1.0 U
Vanadium	µg/L	---	**2.1 J**	< 10.0 U	< 10.0 U	< 10.0 UJ	< 50 U	**20 J**	< 50 U	---	**3.1 J**	**3.7 J**	**43.6**	< 10.0 U

Table 5
Comprehensive Analytical Results (2010 - 2015)
FGGM 13 Former Pesticide Shop, Building 6621
Fort George G. Meade, Maryland

		Monitoring Location:	MW-6	MW-6	MW-6	MW-6	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7
		Sample Date:	10/16/2014	2/13/2015	5/4/2015	11/18/2015	4/14/2010	4/22/2010	6/1/2010	2/25/2014	6/26/2014	9/9/2014	10/16/2014	2/13/2015
			FGGM13-MW6(101614)	FGGM13-MW6(021315)	FGGM13-MW6(050415)	FGGM13-MW6(111815)	FM13-MW007 (041410)	FM13MW007 (042210)-H	FM13MW07 (060110)	FGGM13-MW7	FGGM13-MW7(062614)	FGGM13-MW7(090914)	FGGM13-MW7(101614)	FGGM13-MW7(021315)
Analyte Group	**Units**	**SCL**												
Zinc	µg/L	---	< 40.0 U	**4.1 J**	**2.3 J**	< 4.7 U	**12 J**	**27**	**9.2 J**	---	**9.8 J**	**12.5 J**	**25.0 J**	**9.8 J**
Metals, Dissolved														
Aluminum	µg/L	---	< 400 U	< 400 U	**214 J**	< 400 U	**70 J**	---	< 500 U	---	< 400 U	< 400 U	< 400 U	< 400 U
Antimony	µg/L	---	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 10 U	---	**5.2 UJ**	---	< 40.0 U	< 2.0 U	< 2.0 U	< 2.0 U
Arsenic	µg/L	---	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 10 U	---	**8.2 U**	---	< 40.0 U	< 4.0 U	< 4.0 U	< 4.0 U
Barium	µg/L	---	**88.5**	**106**	**98.7**	**124**	**55**	---	**46**	---	**41.1**	**38.8**	**20.8**	**50.0**
Beryllium	µg/L	---	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 4.0 U	---	< 4.0 U	---	< 10.0 U	< 1.0 U	**0.048 J**	**0.050 J**
Cadmium	µg/L	---	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 2.0 U	---	< 2.0 U	---	< 10.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Calcium	µg/L	---	**14,800**	**19,500**	**20,600**	**26,400**	**13,000**	---	**11,000**	---	**9,990**	**8,940**	**8,940**	**12,100**
Chromium	µg/L	---	< 30.0 U	< 30.0 U	< 30.0 U	**3.0 J**	< 5.0 U	---	< 5.0 U	---	< 30.0 U	< 30.0 U	< 30.0 U	< 30.0 U
Cobalt	µg/L	---	**2.0 J**	**2.2 J**	**2.2 J**	< 3.1 UJ	< 25 U	---	< 25 U	---	**2.5 J**	**3.2 J**	**3.3 J**	**2.9 J**
Copper	µg/L	---	< 20.0 U	< 20.0 U	< 7.9 UJ	< 20.0 U	**1.6 J**	---	< 5.0 U	---	< 20.0 U	< 20.0 U	< 20.0 U	< 20.0 U
Iron	µg/L	---	< 400 U	< 400 U	< 400 U	< 400 U	< 100 U	---	< 100 U	---	< 400 U	< 400 U	< 400 U	< 400 U
Lead	µg/L	---	**0.31 J**	**0.11 J**	**0.21 J**	< 2.0 U	< 10 U	---	< 10 U	---	< 30.0 U	**0.14 J**	**0.095 J**	**0.086 J**
Magnesium	µg/L	---	**4,870**	**5,860**	**5,750**	**7,490**	**3,600 J**	---	**3,200 J**	---	**2,610**	**2,450**	**2,590**	**3,260**
Manganese	µg/L	---	**20.8**	**21.2**	**18.5**	< 22.4 U	**22**	---	**16**	---	**15.3**	**16.0**	**17.7**	**16.6**
Mercury	µg/L	---	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.10 U	---	< 0.10 UJ	---	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U
Molybdenum	µg/L	---	---	---	---	---	< 40 U	---	< 40 U	---	---	---	---	---
Nickel	µg/L	---	**3.6 J**	**4.3 J**	**3.8 J**	**2.8 J**	< 40 U	---	< 40 U	---	**2.6 J**	**4.5 J**	**4.2 J**	**4.0 J**
Potassium	µg/L	---	**2,770**	**3,140**	**2,910**	**3,270**	**1,900 J**	---	**1,800 J**	---	**1,880**	**1,860**	**1,880**	**2,010**
Selenium	µg/L	---	< 40.0 U	< 40.0 U	< 40.0 U	< 40.0 U	< 10 U	---	< 10 U	---	< 40.0 U	< 40.0 U	< 40.0 U	< 40.0 U
Silver	µg/L	---	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 5.0 U	---	< 5.0 U	---	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U
Sodium	µg/L	---	**39,600**	**65,500**	**73,400**	**96,900**	**44,000**	---	**41,000**	---	**41,300**	**38,200**	**37,300**	**45,500**
Thallium	µg/L	---	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 50 U	---	< 50 U	---	< 8.3 U	< 1.0 U	< 1.0 U	< 1.0 U
Vanadium	µg/L	---	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 50 U	---	< 50 U	---	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U
Zinc	µg/L	---	< 13.1 U	**6.8 J**	**8.1 J**	**4.3 J**	**13 J**	---	**7.9 J**	---	**11.4 J**	< 15.4 U	< 11.4 U	**8.7 J**
Biogeochemical Parameters														
Ethane	µg/L	---	---	---	---	---	---	---	---	---	---	---	---	---
Ethene	µg/L	---	---	---	---	---	---	---	---	---	---	---	---	---
Methane	µg/L	---	---	---	---	---	---	---	---	---	---	---	---	---
Dissolved Organic Carbon	µg/L	---	---	---	---	---	---	---	---	---	---	---	---	---
Total Organic Carbon	µg/L	---	---	---	---	---	---	---	---	---	---	---	---	---

***Notes are provided on the last page of Table 5.**

Table 5
Comprehensive Analytical Results (2010 - 2015)
FGGM 13 Former Pesticide Shop, Building 6621
Fort George G. Meade, Maryland

		Monitoring Location:	MW-7	MW-7	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8
		Sample Date:	5/4/2015	11/18/2015	4/14/2010	4/22/2010	6/1/2010	2/25/2014	6/27/2014	9/10/2014	10/16/2014	2/12/2015	5/4/2015	11/18/2015
			FGGM13-MW7(050415)	FGGM13-MW7(111815)	FM13-MW008 (041410)	FM13MW008 (042210)-H	FM13MW08 (060110)	FGGM13-MW8	FGGM13-MW8(062714)	FGGM13-MW8(091014)	FGGM13-MW8(101614)	FGGM13-MW8(021215)	FGGM13-MW8(050415)	FGGM13-MW8(111815)
Analyte Group	**Units**	**SCL**												
Pesticides														
4,4-DDD	µg/L	---	< 0.016 U	< 0.016 U	< 0.026 U	< 0.029 U	< 0.026 UJ	< 0.17 U	< 0.017 U	< 0.016 U	< 0.016 U	< 0.017 U	< 0.016 U	< 0.016 U
4,4-DDE	µg/L	---	< 0.016 U	< 0.016 U	< 0.026 U	< 0.029 U	< 0.026 UJ	< 0.17 U	< 0.017 U	< 0.016 U	< 0.016 U	< 0.017 U	< 0.016 U	< 0.016 U
4,4-DDT	µg/L	---	< 0.016 U	< 0.016 U	< 0.026 U	< 0.029 U	< 0.026 UJ	< 0.17 U	< 0.017 U	< 0.016 U	< 0.016 U	< 0.017 U	< 0.016 U	< 0.016 U
Aldrin	µg/L	---	< 0.0081 U	< 0.0081 U	< 0.026 U	< 0.029 U	< 0.026 UJ	< 0.17 U	< 0.0084 U	< 0.0080 U	< 0.0081 U	< 0.0083 U	< 0.0082 U	< 0.0081 U
Alpha-BHC	µg/L	---	< 0.0081 U	< 0.0081 U	< 0.026 U	< 0.029 U	< 0.026 UJ	< 0.17 U	< 0.0084 U	< 0.0080 U	< 0.0081 U	< 0.0083 U	< 0.0082 U	< 0.0081 U
Alpha-chlordane	µg/L	2	**0.017**	**0.015**	**0.013 J**	**0.0073 J**	**0.0076 J**	< 0.17 U	**0.0058 J**	**0.021**	**0.015**	< 0.020 U	**0.036**	**0.022**
Beta-BHC	µg/L	---	< 0.0081 U	**0.0054 J**	< 0.026 U	< 0.029 U	< 0.026 UJ	< 0.17 U	< 0.0084 U	< 0.0080 U	**0.0059 J**	< 0.0083 U	< 0.0082 U	< 0.0081 U
Camphechlor	µg/L	---	< 0.81 U	< 0.81 U	< 0.26 U	< 0.29 U	< 0.26 UJ	< 0.51 U	< 0.84 U	< 0.80 U	< 0.81 U	< 0.83 U	< 0.82 U	< 0.81 U
Chlordane	µg/L	---	---	---	---	---	---	---	---	---	---	---	---	---
Delta-BHC	µg/L	---	< 0.0081 U	< 0.0081 U	< 0.026 U	< 0.029 U	< 0.026 UJ	< 0.17 U	< 0.0084 U	< 0.0080 U	< 0.0081 U	< 0.0083 U	< 0.0082 U	< 0.0081 U
Dieldrin	µg/L	---	< 0.016 U	< 0.016 U	**0.0051 J**	< 0.029 U	< 0.026 UJ	< 0.17 U	**0.0067 J**	**0.0086 J**	**0.0056 J**	**0.0081 J**	**0.0097 J**	**0.0057 J**
Endosulfan I	µg/L	---	< 0.0081 U	< 0.0081 U	< 0.026 U	< 0.029 U	< 0.026 UJ	< 0.17 U	< 0.0084 U	< 0.0080 U	< 0.0081 U	**0.0058 J**	< 0.0082 U	< 0.0081 U
Endosulfan II	µg/L	---	< 0.024 U	< 0.024 U	< 0.026 U	< 0.029 U	< 0.026 UJ	< 0.17 U	< 0.017 U	< 0.016 U	< 0.016 U	< 0.025 U	< 0.024 U	< 0.024 U
Endosulfan sulfate	µg/L	---	< 0.016 U	< 0.016 U	< 0.026 U	< 0.029 U	< 0.026 UJ	< 0.17 U	< 0.017 U	< 0.016 U	< 0.016 U	< 0.017 U	< 0.016 U	< 0.016 U
Endrin	µg/L	---	< 0.016 U	< 0.016 U	< 0.026 U	< 0.029 U	< 0.026 UJ	< 0.17 U	< 0.017 U	< 0.016 U	< 0.016 U	< 0.017 U	< 0.016 U	< 0.016 U
Endrin aldehyde	µg/L	---	< 0.081 U	< 0.081 U	< 0.026 U	< 0.029 U	< 0.026 UJ	< 0.17 U	< 0.084 U	< 0.080 U	< 0.081 U	< 0.083 U	< 0.082 U	< 0.081 U
Endrin ketone	µg/L	---	< 0.016 U	< 0.016 U	< 0.026 U	< 0.029 U	< 0.026 UJ	< 0.17 U	< 0.017 U	< 0.016 U	< 0.016 U	< 0.017 U	< 0.016 U	< 0.016 U
Gamma-BHC	µg/L	0.2	< 0.0081 U	< 0.0081 U	**0.012 J**	**0.0092 J**	**0.12 J**	< 0.17 U	**0.020**	**0.014**	**0.017**	< 0.01 U	**0.024**	**0.020**
Gamma-chlordane	µg/L	2	**0.016**	**0.014 J**	**0.013 J**	**0.0077 J**	**0.37 J**	< 0.17 U	**0.011**	< 0.030 U	**0.014**	< 0.017 U	**0.031**	**0.016 J**
Heptachlor	µg/L	0.4	< 0.0081 U	< 0.0081 U	< 0.026 U	< 0.029 U	< 0.026 UJ	< 0.17 U	< 0.0084 U	< 0.0080 U	< 0.0081 U	< 0.0083 U	< 0.0082 U	< 0.0081 U
Heptachlor epoxide	µg/L	0.2	< 0.0081 U	< 0.0081 U	**0.0032 J**	< 0.029 U	< 0.026 UJ	< 0.17 U	**0.0019 J**	**0.0055 J**	**0.0039 J**	**0.0068 J**	**0.010**	< 0.016 U
Methoxychlor	µg/L	---	< 0.081 U	< 0.081 U	< 0.10 U	< 0.11 U	< 0.10 UJ	< 0.17 U	< 0.084 U	< 0.080 U	< 0.081 U	< 0.083 U	< 0.082 U	< 0.081 U
Mirex	µg/L	---	---	---	---	---	---	< 0.17 U	---	---	---	---	---	---
Volatile Organic Compounds														
1,1,1,2-Tetrachloroethane	µg/L	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	---	---	---	---	---	---
1,1,1-Trichloroethane	µg/L	---	< 0.5 UJ	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,1,2,2-Tetrachloroethane	µg/L	---	**1.2 J**	**0.9**	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,1,2-Trichloroethane	µg/L	---	< 0.5 UJ	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,1-Dichloroethane	µg/L	---	< 0.5 UJ	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,1-Dichloroethene	µg/L	---	< 0.5 UJ	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,1-Dichloropropene	µg/L	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	---	---	---	---	---	---
1,2,3-Trichlorobenzene	µg/L	---	< 0.5 UJ	< 0.5 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,2,3-Trichloropropane	µg/L	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	---	---	---	---	---	---
1,2,4-Trichlorobenzene	µg/L	---	< 0.5 UJ	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,2,4-Trimethylbenzene	µg/L	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	---	---	---	---	---	---
1,2-Dibromo-3-chloropropane	µg/L	---	< 0.5 UJ	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,2-Dibromoethane	µg/L	---	< 0.5 UJ	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,2-Dichlorobenzene	µg/L	---	< 0.5 UJ	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,2-Dichloroethane	µg/L	---	< 0.5 UJ	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,2-Dichloropropane	µg/L	---	< 0.5 UJ	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,3,5-Trimethylbenzene	µg/L	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	---	---	---	---	---	---
1,3-Dichlorobenzene	µg/L	---	< 0.5 UJ	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,3-Dichloropropane	µg/L	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	---	---	---	---	---	---
1,4-Dichlorobenzene	µg/L	---	< 0.5 UJ	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
2,2-Dichloropropane	µg/L	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	---	---	---	---	---	---
2-Butanone (MEK)	µg/L	---	< 5.0 UJ	< 5.0 U	< 10 U	< 10 U	< 10 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
2-Chlorotoluene	µg/L	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	---	---	---	---	---	---
4-Chlorotoluene	µg/L	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	---	---	---	---	---	---
4-Methyl-2-Pentanone	µg/L	---	< 5.0 UJ	< 5.0 U	< 10 U	< 10 U	< 10 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Acetone	µg/L	---	< 5.0 UJ	< 5.0 U	**3.0 J**	**12 J**	**1.6 U**	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Benzene	µg/L	---	< 0.5 UJ	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Bromobenzene	µg/L	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	---	---	---	---	---	---
Bromochloromethane	µg/L	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	---	---	---	---	---	---
Bromodichloromethane	µg/L	---	< 0.5 UJ	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Bromoform	µg/L	---	< 0.5 UJ	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Bromomethane	µg/L	---	< 0.5 UJ	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U

Table 5
Comprehensive Analytical Results (2010 - 2015)
FGGM 13 Former Pesticide Shop, Building 6621
Fort George G. Meade, Maryland

		Monitoring Location:	MW-7	MW-7	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8
		Sample Date:	5/4/2015	11/18/2015	4/14/2010	4/22/2010	6/1/2010	2/25/2014	6/27/2014	9/10/2014	10/16/2014	2/12/2015	5/4/2015	11/18/2015
			FGGM13-MW7(050415)	FGGM13-MW7(111815)	FM13-MW008 (041410)	FM13MW008 (042210)-H	FM13MW08 (060110)	FGGM13-MW8	FGGM13-MW8(062714)	FGGM13-MW8(091014)	FGGM13-MW8(101614)	FGGM13-MW8(021215)	FGGM13-MW8(050415)	FGGM13-MW8(111815)
Analyte Group	**Units**	**SCL**												
Carbon Disulfide	µg/L	---	< 1.0 UJ	< 1.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Carbon Tetrachloride	µg/L	---	< 0.5 UJ	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
CFC-11	µg/L	---	< 0.5 UJ	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
CFC-12	µg/L	---	< 0.5 UJ	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Chlorobenzene	µg/L	---	< 0.5 UJ	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Chlorodibromomethane	µg/L	---	< 0.5 UJ	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Chloroethane	µg/L	---	< 0.5 UJ	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Chloroform	µg/L	---	**0.3 J**	**0.3 J**	< 5.0 U	< 5.0 U	**0.32 J**	< 1.0 U	**0.1 J**	**0.1 J**	**0.2 J**	**0.2 J**	**0.2 J**	**0.2 J**
Chloromethane	µg/L	---	< 0.5 UJ	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
cis-1,2-Dichloroethene	µg/L	---	< 0.5 UJ	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
cis-1,3-Dichloropropene	µg/L	---	< 0.5 UJ	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Cymene (p-Isopropyltoluene)	µg/L	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	---	---	---	---	---	---
Dibromomethane	µg/L	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	---	---	---	---	---	---
Dichloromethane	µg/L	---	< 0.5 UJ	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Ethylbenzene	µg/L	---	< 0.5 UJ	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Hexachloro-1,3-butadiene	µg/L	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	---	---	---	---	---	---
Isopropylbenzene	µg/L	---	< 0.5 UJ	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Methyl N-Butyl Ketone (2-Hexanone)	µg/L	---	< 5.0 UJ	< 5.0 U	< 10 U	< 10 U	< 10 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Methyl-tert-butylether	µg/L	---	< 0.5 UJ	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
m-Xylene	µg/L	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	---	---	---	---	---	---	---
Naphthalene	µg/L	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	---	---	---	---	---	---
N-Butylbenzene	µg/L	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	---	---	---	---	---	---
N-Propylbenzene	µg/L	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	---	---	---	---	---	---
o-Xylene	µg/L	---	< 0.5 UJ	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
sec-Butylbenzene	µg/L	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	---	---	---	---	---	---
Styrene (Monomer)	µg/L	---	< 0.5 UJ	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
tert-Butylbenzene	µg/L	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	---	---	---	---	---	---
Tetrachloroethene	µg/L	5	< 0.5 UJ	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	**0.1 J**	**0.1 J**	< 0.5 U
Toluene	µg/L	---	< 0.5 UJ	< 0.5 U	**1.1 J**	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Total Xylenes	µg/L	---	---	---	< 5.0 U	< 5.0 U	< 5.0 U	< 3.0 U	---	---	---	---	---	---
trans-1,2-Dichloroethene	µg/L	---	< 0.5 UJ	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
trans-1,3-Dichloropropene	µg/L	---	< 0.5 UJ	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Trichloroethene	µg/L	5	**0.1 J**	< 0.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Vinyl chloride	µg/L	---	< 0.5 UJ	< 0.5 U	< 2.0 U	< 2.0 U	< 2.0 U	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Metals, Total														
Aluminum	µg/L	---	**1,510 J**	**273 J**	**1,000**	**120 U**	**580**	---	**664 J**	**280 J**	**1,000 J**	< 400 U	**1,950 J**	< 400 U
Antimony	µg/L	---	< 2.0 U	< 2.0 U	< 10 U	**3.3 U**	< 10 U	---	< 40.0 U	< 2.0 U	**0.52 J**	< 2.0 U	< 2.0 U	< 2.0 U
Arsenic	µg/L	---	**1.6 J**	**0.67 J**	< 10 U	< 10 U	**8.4 U**	---	< 40.0 U	< 4.0 U	< 4.0 U	< 4.0 U	**1.4 J**	< 4.0 U
Barium	µg/L	---	**58.5**	**59.0**	**28**	**27**	**33**	---	**40.2**	**41.8**	**52.3**	**50.8**	**71.0**	**59.9**
Beryllium	µg/L	---	**0.060 J**	< 1.0 U	< 4.0 U	< 4.0 U	< 4.0 U	---	< 10.0 U	< 1.0 U	< 1.0 U	< 1.0 U	**0.050 J**	< 1.0 U
Cadmium	µg/L	---	< 1.0 U	< 1.0 U	< 2.0 U	< 2.0 U	< 2.0 U	---	< 10.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Calcium	µg/L	---	**14,000**	**19,800**	**5,100**	**5,500**	**5,800**	---	**9,240**	**9,780**	**11,200**	**12,500**	**15,900**	**15,200**
Chromium	µg/L	---	**2.8 J**	**2.3 J**	< 5.0 U	< 5.0 U	< 5.0 U	---	< 30.0 U	< 30.0 U	**1.7 J**	< 30.0 U	**3.2 J**	< 30.0 U
Cobalt	µg/L	---	**3.1 J**	**3.4 J**	< 25 U	< 25 U	< 25 U	---	**1.0 J**	**1.0 J**	**1.3 J**	**1.0 J**	**1.1 J**	**1.4 J**
Copper	µg/L	---	< 6.9 U	< 20.0 U	**2.3 J**	< 5.0 U	< 5.0 U	---	< 20.0 U	< 20.0 UJ	**3.4 J**	< 20.0 U	< 5.3 U	< 20.0 U
Iron	µg/L	---	**2,110**	**1,170 J**	**2,200**	**270**	**670**	---	**538 J**	**771 J**	**1,940**	**40.4 J**	**1,650**	**190 J**
Lead	µg/L	---	**0.97 J**	**0.52 J**	< 10 U	**4.9 J**	< 10 U	---	< 30.0 U	**0.16 J**	**0.96 J**	**0.21 J**	**1.1 J**	**0.35 J**
Magnesium	µg/L	---	**3,840**	**5,310**	< 5,000 U	< 5,000 U	< 5,000 U	---	**1,980**	**2,020**	**2,610**	**2,700**	**3,600**	**3,460**
Manganese	µg/L	---	**19.8**	**16.7**	**12 J**	**9.8 J**	**11 J**	---	**10.6**	**10.5**	**13.9**	**12.3**	**16.1**	**13.7**
Mercury	µg/L	---	< 0.20 U	< 0.20 U	< 0.10 U	**0.12**	**0.055 J**	---	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U
Nickel	µg/L	---	**3.3 J**	**3.2 J**	< 40 U	< 40 U	< 40 U	---	< 20.0 U	< 20.0 U	< 20.0 U	< 20.0 U	< 20.0 U	< 20.0 U
Potassium	µg/L	---	**2,540**	**2,590**	< 5,000 U	< 5,000 U	< 5,000 U	---	**1,520**	**1,460**	**1,870**	**1,440**	**2,140**	**1,770**
Selenium	µg/L	---	< 40.0 U	< 40.0 U	< 10 U	< 10 U	< 10 U	---	< 40.0 U	< 40.0 U	< 40.0 U	< 40.0 U	< 40.0 U	< 40.0 U
Silver	µg/L	---	< 10.0 U	< 10.0 U	< 5.0 U	< 5.0 U	< 5.0 U	---	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U
Sodium	µg/L	---	**55,400**	**41,500**	**24,000**	**25,000**	**23,000**	---	**39,400**	**40,800**	**44,900**	**63,000**	**69,600**	**70,200**
Thallium	µg/L	---	< 1.0 U	< 1.0 U	< 50 U	< 50 U	< 50 U	---	< 60.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Vanadium	µg/L	---	**6.4 J**	**3.0 J**	< 50 U	< 50 U	< 50 U	---	**2.0 J**	< 10.0 U	**5.7 J**	< 10.0 U	**6.2 J**	**1.4 J**

Table 5
Comprehensive Analytical Results (2010 - 2015)
FGGM 13 Former Pesticide Shop, Building 6621
Fort George G. Meade, Maryland

		Monitoring Location:	MW-7	MW-7	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8
		Sample Date:	5/4/2015	11/18/2015	4/14/2010	4/22/2010	6/1/2010	2/25/2014	6/27/2014	9/10/2014	10/16/2014	2/12/2015	5/4/2015	11/18/2015
			FGGM13-MW7(050415)	FGGM13-MW7(111815)	FM13-MW008 (041410)	FM13MW008 (042210)-H	FM13MW08 (060110)	FGGM13-MW8	FGGM13-MW8(062714)	FGGM13-MW8(091014)	FGGM13-MW8(101614)	FGGM13-MW8(021215)	FGGM13-MW8(050415)	FGGM13-MW8(111815)
Analyte Group	**Units**	**SCL**												
Zinc	µg/L	---	**8.9 J**	< 8.5 U	< 20 U	< 20 U	< 20 U	---	**2.8 J**	< 40.0 U	< 40.0 U	**2.5 J**	< 40.0 U	< 4.2 U
Metals, Dissolved														
Aluminum	µg/L	---	**72.3 J**	< 400 U	**77 J**	---	< 500 U	---	< 400 U	**78.0 J**	< 400 U	< 400 U	< 400 U	< 400 U
Antimony	µg/L	---	< 2.0 U	< 2.0 U	< 10 U	---	< 10 UJ	---	< 40.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U
Arsenic	µg/L	---	< 4.0 U	< 4.0 U	< 10 U	---	**8.4 U**	---	< 40.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U
Barium	µg/L	---	**54.9**	**56.7**	**24 J**	---	**29**	---	**37.5**	**41.7**	**43.6**	**56.3**	**63.2**	**59.2**
Beryllium	µg/L	---	**0.062 J**	< 1.0 U	< 4.0 U	---	< 4.0 U	---	< 10.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Cadmium	µg/L	---	< 1.0 U	< 1.0 U	< 2.0 U	---	< 2.0 U	---	< 10.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Calcium	µg/L	---	**14,300**	**20,000**	**5,300**	---	**5,700**	---	**8,790**	**9,460**	**10,900**	**14,300**	**15,800**	**15,900**
Chromium	µg/L	---	< 30.0 U	**2.1 J**	< 5.0 U	---	< 5.0 U	---	< 30.0 U	< 30.0 U	< 30.0 U	< 30.0 U	< 30.0 U	< 30.0 U
Cobalt	µg/L	---	**3.2 J**	< 3.3 UJ	< 25 U	---	< 25 U	---	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	**1.1 J**	< 1.8 UJ
Copper	µg/L	---	< 4.5 UJ	**2.7 J**	< 5.0 U	---	< 5.0 U	---	< 20.0 U	< 20.0 U	< 20.0 U	< 20.0 U	< 2.8 UJ	< 20.0 U
Iron	µg/L	---	< 400 U	< 400 U	< 100 U	---	< 100 U	---	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U
Lead	µg/L	---	**0.20 J**	< 2.0 U	< 10 U	---	< 10 U	---	< 30.0 U	< 2.0 U	**0.14 J**	< 2.0 U	**0.12 J**	< 2.0 U
Magnesium	µg/L	---	**3,960**	**5,160**	< 5,000 U	---	< 5,000 U	---	**1,860**	**2,050**	**2,470**	**3,090**	**3,490**	**3,400**
Manganese	µg/L	---	**18.8**	< 17.2 U	**14 J**	---	**10 J**	---	**10.0**	**10.5**	**12.6**	**15.4**	**14.9**	< 13.9 U
Mercury	µg/L	---	< 0.20 U	< 0.20 U	< 0.10 U	---	**0.12 J**	---	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U
Molybdenum	µg/L	---	---	---	< 40 U	---	< 40 U	---	---	---	---	---	---	---
Nickel	µg/L	---	**3.9 J**	**4.8 J**	< 40 U	---	< 40 U	---	< 20.0 U	< 20.0 U	< 20.0 U	< 20.0 U	< 20.0 U	< 20.0 U
Potassium	µg/L	---	**2,300**	**2,520**	< 5,000 U	---	< 5,000 U	---	**1,380**	**1,440**	**1,590**	**1,660**	**1,720**	**1,730**
Selenium	µg/L	---	< 40.0 U	< 40.0 U	< 10 U	---	< 10 U	---	< 40.0 U	< 40.0 U	< 40.0 U	< 40.0 U	< 40.0 U	< 40.0 U
Silver	µg/L	---	< 10.0 U	< 10.0 U	< 5.0 U	---	< 5.0 U	---	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U
Sodium	µg/L	---	**52,400**	**41,200**	**25,000**	---	**24,000**	---	**40,300**	**42,900**	**43,900**	**63,400**	**68,500**	**70,400**
Thallium	µg/L	---	< 1.0 U	< 1.0 U	< 50 U	---	< 50 U	---	< 6.6 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Vanadium	µg/L	---	< 10.0 U	< 10.0 U	< 50 U	---	< 50 U	---	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U
Zinc	µg/L	---	**8.5 J**	**9.8 J**	< 20 U	---	< 20 U	---	**3.6 J**	**5.0 J**	< 5.6 U	**5.7 J**	< 40.0 U	< 40.0 U
Biogeochemical Parameters														
Ethane	µg/L	---	---	---	---	---	---	---	---	---	---	---	---	---
Ethene	µg/L	---	---	---	---	---	---	---	---	---	---	---	---	---
Methane	µg/L	---	---	---	---	---	---	---	---	---	---	---	---	---
Dissolved Organic Carbon	µg/L	---	---	---	---	---	---	---	---	---	---	---	---	---
Total Organic Carbon	µg/L	---	---	---	---	---	---	---	---	---	---	---	---	---

***Notes are provided on the last page of Table 5.**

Table 5
Comprehensive Analytical Results (2010 - 2015)
FGGM 13 Former Pesticide Shop, Building 6621
Fort George G. Meade, Maryland

		Monitoring Location:	MW-9	MW-9	MW-9	MW-9	MW-9	MW-9	MW-9	MW-9
		Sample Date:	3/5/2014	6/26/2014	6/26/2014	9/9/2014	10/16/2014	2/12/2015	5/4/2015	11/18/2015
			FGGM13/MW9(030514)	FGGM13-DUP01(062614)	FGGM13-MW9(062614)	FGGM13-MW9(090914)	FGGM13-MW9(101614)	FGGM13-MW9(021215)	FGGM13-MW9(050415)	FGGM13-MW9(111815)
Analyte Group	**Units**	**SCL**								
Pesticides										
4,4-DDD	µg/L	---	< 0.16 U	< 0.016 U	< 0.016 U	< 0.016 U	< 0.017 U	< 0.14 U	< 0.017 U	< 0.016 U
4,4-DDE	µg/L	---	< 0.16 U	< 0.016 U	< 0.016 U	**0.068**	< 0.017 U	< 0.092 U	**0.012 J**	**0.049**
4,4-DDT	µg/L	---	< 0.16 U	**0.012 J**	**0.011 J**	< 0.016 U	**0.019**	< 0.084 U	< 0.017 U	< 0.016 U
Aldrin	µg/L	---	< 0.16 U	**0.0044 J**	**0.0043 J**	**0.020**	**0.0052 J**	< 0.042 U	< 0.0083 U	**0.011**
Alpha-BHC	µg/L	---	< 0.16 U	**0.013**	**0.012**	< 0.020 U	**0.040**	< 0.042 U	**0.0044 J**	**0.044**
Alpha-chlordane	µg/L	2	**0.14 J**	**0.36**	**0.34**	**0.77**	**0.48**	**0.57**	**0.41**	**0.74**
Beta-BHC	µg/L	---	< 0.16 U	< 0.0081 U	< 0.0081 U	< 0.0081 U	< 0.0084 U	< 0.042 U	< 0.0083 U	< 0.0081 U
Camphechlor	µg/L	---	< 0.47 U	< 0.81 U	< 0.81 U	< 0.81 U	< 0.84 U	< 4.2 U	< 0.83 U	< 0.81 U
Chlordane	µg/L	---	< 0.47 U	---	---	---	---	---	---	---
Delta-BHC	µg/L	---	< 0.16 U	**0.0065 J**	**0.0066 J**	**0.0077 J**	**0.0080 J**	< 0.042 U	< 0.0083 U	**0.0075 J**
Dieldrin	µg/L	---	< 0.16 U	**0.014 J**	**0.015 J**	**0.051**	**0.027**	< 0.084 U	< 0.017 U	**0.026**
Endosulfan I	µg/L	---	< 0.16 U	**0.031**	**0.030**	**0.084**	**0.024**	**0.042 J**	**0.0087**	**0.020**
Endosulfan II	µg/L	---	< 0.16 U	< 0.016 U	< 0.016 U	< 0.016 U	< 0.017 U	< 0.13 U	< 0.025 U	< 0.024 U
Endosulfan sulfate	µg/L	---	< 0.16 U	**0.0067 J**	**0.0068 J**	**0.013 J**	**0.0082 J**	< 0.084 U	< 0.017 U	**0.014 J**
Endrin	µg/L	---	< 0.16 U	< 0.016 U	< 0.016 U	**0.029**	< 0.017 U	< 0.084 U	< 0.017 U	< 0.026 U
Endrin aldehyde	µg/L	---	< 0.16 U	< 0.081 U	< 0.081 U	< 0.081 U	< 0.084 U	< 0.42 U	< 0.083 U	< 0.081 U
Endrin ketone	µg/L	---	< 0.16 U	**0.012 J**	**0.013 J**	**0.015 J**	< 0.017 U	< 0.084 U	< 0.017 U	**0.013 J**
Gamma-BHC	µg/L	0.2	**0.021 J**	**0.10**	**0.11**	**0.097**	**0.067**	< 0.053 U	**0.021**	**0.35**
Gamma-chlordane	µg/L	2	**0.12 J**	**0.29**	**0.27**	**0.54**	**0.43**	**0.45**	**0.40**	**0.61**
Heptachlor	µg/L	0.4	< 0.16 U	< 0.0081 U	< 0.0081 U	**0.0066 J**	< 0.0084 U	< 0.042 U	< 0.0083 U	< 0.015 U
Heptachlor epoxide	µg/L	0.2	< 0.16 U	**0.049**	**0.046**	< 0.0081 U	**0.031**	< 0.042 U	**0.020**	< 0.0081 U
Methoxychlor	µg/L	---	< 0.16 U	< 0.081 U	< 0.081 U	< 0.081 U	< 0.084 U	< 0.42 U	< 0.083 U	< 0.081 U
Mirex	µg/L	---	< 0.16 U	---	---	---	---	---	---	---
Volatile Organic Compounds										
1,1,1,2-Tetrachloroethane	µg/L	---	< 1.0 U	---	---	---	---	---	---	---
1,1,1-Trichloroethane	µg/L	---	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,1,2,2-Tetrachloroethane	µg/L	---	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,1,2-Trichloroethane	µg/L	---	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,1-Dichloroethane	µg/L	---	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,1-Dichloroethene	µg/L	---	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,1-Dichloropropene	µg/L	---	< 1.0 U	---	---	---	---	---	---	---
1,2,3-Trichlorobenzene	µg/L	---	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,2,3-Trichloropropane	µg/L	---	< 5.0 U	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	µg/L	---	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,2,4-Trimethylbenzene	µg/L	---	< 1.0 U	---	---	---	---	---	---	---
1,2-Dibromo-3-chloropropane	µg/L	---	< 5.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,2-Dibromoethane	µg/L	---	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,2-Dichlorobenzene	µg/L	---	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,2-Dichloroethane	µg/L	---	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,2-Dichloropropane	µg/L	---	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,3,5-Trimethylbenzene	µg/L	---	< 1.0 U	---	---	---	---	---	---	---
1,3-Dichlorobenzene	µg/L	---	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,3-Dichloropropane	µg/L	---	< 1.0 U	---	---	---	---	---	---	---
1,4-Dichlorobenzene	µg/L	---	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
2,2-Dichloropropane	µg/L	---	< 1.0 U	---	---	---	---	---	---	---
2-Butanone (MEK)	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
2-Chlorotoluene	µg/L	---	< 1.0 U	---	---	---	---	---	---	---
4-Chlorotoluene	µg/L	---	< 1.0 U	---	---	---	---	---	---	---
4-Methyl-2-Pentanone	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Acetone	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Benzene	µg/L	---	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Bromobenzene	µg/L	---	< 1.0 U	---	---	---	---	---	---	---
Bromochloromethane	µg/L	---	< 1.0 U	---	---	---	---	---	---	---
Bromodichloromethane	µg/L	---	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Bromoform	µg/L	---	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Bromomethane	µg/L	---	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U

Table 5
Comprehensive Analytical Results (2010 - 2015)
FGGM 13 Former Pesticide Shop, Building 6621
Fort George G. Meade, Maryland

		Monitoring Location:	MW-9	MW-9	MW-9	MW-9	MW-9	MW-9	MW-9	MW-9
		Sample Date:	3/5/2014	6/26/2014	6/26/2014	9/9/2014	10/16/2014	2/12/2015	5/4/2015	11/18/2015
			FGGM13/MW9(030514)	FGGM13-DUP01(062614)	FGGM13-MW9(062614)	FGGM13-MW9(090914)	FGGM13-MW9(101614)	FGGM13-MW9(021215)	FGGM13-MW9(050415)	FGGM13-MW9(111815)
Analyte Group	**Units**	**SCL**								
Carbon Disulfide	µg/L	---	< 1.0 U	< 0.5 U	< 0.5 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Carbon Tetrachloride	µg/L	---	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
CFC-11	µg/L	---	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
CFC-12	µg/L	---	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Chlorobenzene	µg/L	---	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Chlorodibromomethane	µg/L	---	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Chloroethane	µg/L	---	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Chloroform	µg/L	---	< 1.0 U	**0.5 J**	**0.5 J**	**0.5 J**	**0.5 J**	**0.4 J**	**0.4 J**	**0.4 J**
Chloromethane	µg/L	---	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
cis-1,2-Dichloroethene	µg/L	---	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	**1.2**
cis-1,3-Dichloropropene	µg/L	---	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Cymene (p-Isopropyltoluene)	µg/L	---	< 1.0 U	---	---	---	---	---	---	---
Dibromomethane	µg/L	---	< 1.0 U	---	---	---	---	---	---	---
Dichloromethane	µg/L	---	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Ethylbenzene	µg/L	---	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Hexachloro-1,3-butadiene	µg/L	---	< 1.0 U	---	---	---	---	---	---	---
Isopropylbenzene	µg/L	---	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Methyl N-Butyl Ketone (2-Hexanone)	µg/L	---	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Methyl-tert-butylether	µg/L	---	**0.46 J**	**0.4 J**	**0.5 J**	**0.4 J**	**0.3 J**	**0.4 J**	**0.4 J**	**0.3 J**
m-Xylene	µg/L	---	---	---	---	---	---	---	---	---
Naphthalene	µg/L	---	< 1.0 U	---	---	---	---	---	---	---
N-Butylbenzene	µg/L	---	< 1.0 U	---	---	---	---	---	---	---
N-Propylbenzene	µg/L	---	< 1.0 U	---	---	---	---	---	---	---
o-Xylene	µg/L	---	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
sec-Butylbenzene	µg/L	---	< 1.0 U	---	---	---	---	---	---	---
Styrene (Monomer)	µg/L	---	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
tert-Butylbenzene	µg/L	---	< 1.0 U	---	---	---	---	---	---	---
Tetrachloroethene	µg/L	5	**2.4**	**14**	**14**	**25**	**12**	**16**	**4.9**	**22**
Toluene	µg/L	---	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Total Xylenes	µg/L	---	< 3.0 U	---	---	---	---	---	---	---
trans-1,2-Dichloroethene	µg/L	---	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
trans-1,3-Dichloropropene	µg/L	---	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Trichloroethene	µg/L	5	< 1.0 U	**0.4 J**	**0.4 J**	**0.5 J**	**0.4 J**	**0.3 J**	**0.1 J**	**0.5 J**
Vinyl chloride	µg/L	---	< 1.0 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Metals, Total										
Aluminum	µg/L	---	---	**1,430 J**	**1,230 J**	**1,570 J**	**765 J**	**160 J**	**1,470 J**	**205 J**
Antimony	µg/L	---	---	< 40.0 U	< 40.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U
Arsenic	µg/L	---	---	< 40.0 U	< 40.0 U	< 4.0 U	< 4.0 U	< 4.0 U	**0.98 J**	**0.79 J**
Barium	µg/L	---	---	**113**	**111**	**96.3**	**85.0**	**136**	**137**	**117**
Beryllium	µg/L	---	---	< 10.0 U	< 10.0 U	**0.059 J**	**0.048 J**	**0.082 J**	**0.079 J**	**0.16 J**
Cadmium	µg/L	---	---	< 10.0 U	< 10.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Calcium	µg/L	---	---	**24,900**	**24,000**	**19,500**	**19,500**	**29,800**	**31,700**	**30,400**
Chromium	µg/L	---	---	< 3.0 U	< 3.1 U	**1.8 J**	< 30.0 U	< 30.0 U	**2.5 J**	**1.8 J**
Cobalt	µg/L	---	---	**3.2 J**	**2.8 J**	**2.8 J**	**2.6 J**	**3.0 J**	**2.7 J**	**4.1 J**
Copper	µg/L	---	---	< 20.0 U	< 20.0 U	**3.8 J**	**3.2 J**	< 20.0 U	< 6.2 U	< 20.0 U
Iron	µg/L	---	---	**834**	**859**	**775 J**	**811**	**123 J**	**726**	**163 J**
Lead	µg/L	---	---	< 30.0 U	< 30.0 U	**0.45 J**	**0.44 J**	**0.27 J**	**0.40 J**	**0.39 J**
Magnesium	µg/L	---	---	**6,720**	**6,370**	**5,380**	**5,390**	**8,040**	**8,470**	**8,310**
Manganese	µg/L	---	---	**25.9**	**26.1**	**21.7**	**19.4**	**29.8**	**30.7**	**35.0**
Mercury	µg/L	---	---	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	**0.051 J**	< 0.20 U	< 0.20 U
Nickel	µg/L	---	---	**3.2 J**	**2.9 J**	**2.4 J**	**2.4 J**	**2.9 J**	**4.0 J**	**2.4 J**
Potassium	µg/L	---	---	**3,780**	**3,650**	**3,510**	**3,370**	**4,050**	**4,440**	**3,970**
Selenium	µg/L	---	---	< 40.0 U	< 40.0 U	< 40.0 U	< 40.0 U	< 40.0 U	< 40.0 U	< 40.0 U
Silver	µg/L	---	---	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U
Sodium	µg/L	---	---	**105,000**	**106,000**	**126,000**	**90,300**	**127,000**	**124,000**	**122,000**
Thallium	µg/L	---	---	**7.3 J**	**9.0 J**	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Vanadium	µg/L	---	---	**3.7 J**	**3.0 J**	**2.8 J**	**3.0 J**	< 10.0 U	**3.3 J**	< 10.0 UJ

Table 5
Comprehensive Analytical Results (2010 - 2015)
FGGM 13 Former Pesticide Shop, Building 6621
Fort George G. Meade, Maryland

		Monitoring Location:	MW-9	MW-9	MW-9	MW-9	MW-9	MW-9	MW-9	MW-9
		Sample Date:	3/5/2014	6/26/2014	6/26/2014	9/9/2014	10/16/2014	2/12/2015	5/4/2015	11/18/2015
			FGGM13/MW9(030514)	FGGM13-DUP01(062614)	FGGM13-MW9(062614)	FGGM13-MW9(090914)	FGGM13-MW9(101614)	FGGM13-MW9(021215)	FGGM13-MW9(050415)	FGGM13-MW9(111815)
Analyte Group	**Units**	**SCL**								
Zinc	µg/L	---	---	**4.4 J**	**7.6 J**	**4.4 J**	< 40.0 U	**7.7 J**	**4.0 J**	< 7.5 U
Metals, Dissolved										
Aluminum	µg/L	---	---	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	**112 J**	< 244 U
Antimony	µg/L	---	---	< 40.0 U	< 40.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U
Arsenic	µg/L	---	---	< 40.0 U	< 40.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U
Barium	µg/L	---	---	**109**	**107**	**93.5**	**83.4**	**137**	**132**	**121**
Beryllium	µg/L	---	---	< 10.0 U	< 10.0 U	< 1.0 U	**0.058 J**	**0.083 J**	**0.097 J**	**0.13 J**
Cadmium	µg/L	---	---	< 10.0 U	< 10.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Calcium	µg/L	---	---	**25,600**	**24,400**	**19,800**	**19,400**	**28,900**	**29,200**	**28,900**
Chromium	µg/L	---	---	< 30.0 U	< 30.0 U	< 30.0 U	< 30.0 U	< 30.0 U	< 30.0 U	**2.8 J**
Cobalt	µg/L	---	---	**3.4 J**	**3.0 J**	**2.4 J**	**2.1 J**	**3.1 J**	**2.9 J**	< 3.8 UJ
Copper	µg/L	---	---	< 20.0 U	< 20.0 U	< 20.0 U	< 20.0 U	< 20.0 U	< 4.5 UJ	**3.0 J**
Iron	µg/L	---	---	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	**50.8 J**
Lead	µg/L	---	---	< 30.0 U	< 30.0 U	**0.10 J**	**0.10 J**	**0.12 J**	**0.17 J**	**0.22 J**
Magnesium	µg/L	---	---	**6,770**	**6,580**	**5,400**	**5,310**	**8,430**	**8,140**	**7,880**
Manganese	µg/L	---	---	**24.9**	**25.3**	**22.2**	**19.0**	**31.5**	**30.2**	< 36.8 U
Mercury	µg/L	---	---	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U
Molybdenum	µg/L	---	---	---	---	---	---	---	---	---
Nickel	µg/L	---	---	**3.2 J**	**3.3 J**	**2.8 J**	**2.9 J**	**4.5 J**	**4.5 J**	**3.8 J**
Potassium	µg/L	---	---	**3,500**	**3,520**	**3,260**	**3,290**	**4,200**	**4,050**	**3,730**
Selenium	µg/L	---	---	< 40.0 U	< 40.0 U	< 40.0 U	< 40.0 U	< 40.0 U	< 40.0 U	< 40.0 U
Silver	µg/L	---	---	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U
Sodium	µg/L	---	---	**105,000**	**103,000**	**126,000**	**94,800**	**126,000**	**119,000**	**119,000**
Thallium	µg/L	---	---	**9.1 J**	< 60.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Vanadium	µg/L	---	---	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U
Zinc	µg/L	---	---	**3.8 J**	**4.3 J**	< 5.5 U	< 12.4 U	**8.0 J**	**7.3 J**	**6.6 J**
Biogeochemical Parameters										
Ethane	µg/L	---	---	---	---	---	---	---	---	---
Ethene	µg/L	---	---	---	---	---	---	---	---	---
Methane	µg/L	---	---	---	---	---	---	---	---	---
Dissolved Organic Carbon	µg/L	---	---	---	---	---	---	---	---	---
Total Organic Carbon	µg/L	---	---	---	---	---	---	---	---	---

***Notes are provided on the last page of Table 5.**

Notes:

1. Values exceeding the applicable Site Cleanup Level (SCL) are boldfaced and shaded. Detections are boldfaced.
2. Duplicate sample results are provided in parenthesis adjacent to results presented for the parent sample location.
3. Sampling was conducted using low flow sample methodologies (4/14/10 - 4/16/10) and hydrasleeve samplers (4/22/10) for comparison purposes.

--- - Not applicable/available
µg/L - micrograms per liter
BHC - benezene hexachloride
DDD - dichlorodiphenyldichloroethane
DDE - dichlorodiphenyldichloroethylene
DDT - dichlorodiphenyltrichloroethane
H - Sample analyzed outside of holding time.
J - Indicates an estimated result. Result is less than laboratory reporting limits.
mg/L - milligrams per liter
P - The relative percent difference between two gas chromatography columns exceeded 40%.

Table 6
Revised Long Term Monitoring Program Summary
FGGM 13 Former Pesticide Shop, Building 6621
Fort George G. Meade, Maryland

Category	Analytical Parameters	Sampling Frequency	Monitoring Wells
Long Term Monitoring Constituents(1)	Target Compound List Volatile Organic Compounds (USEPA Method 8260B) Pesticides (USEPA Method 8081B)	Year 1: Quarterly Years 2 – 3: semi-annually(2) Year 4 - cessation of long term monitoring: Annually(2,3)	MW-1R MW-2R MW-3R MW-4R MW-5 MW-6 MW-7 MW-8 MW-9

Notes:

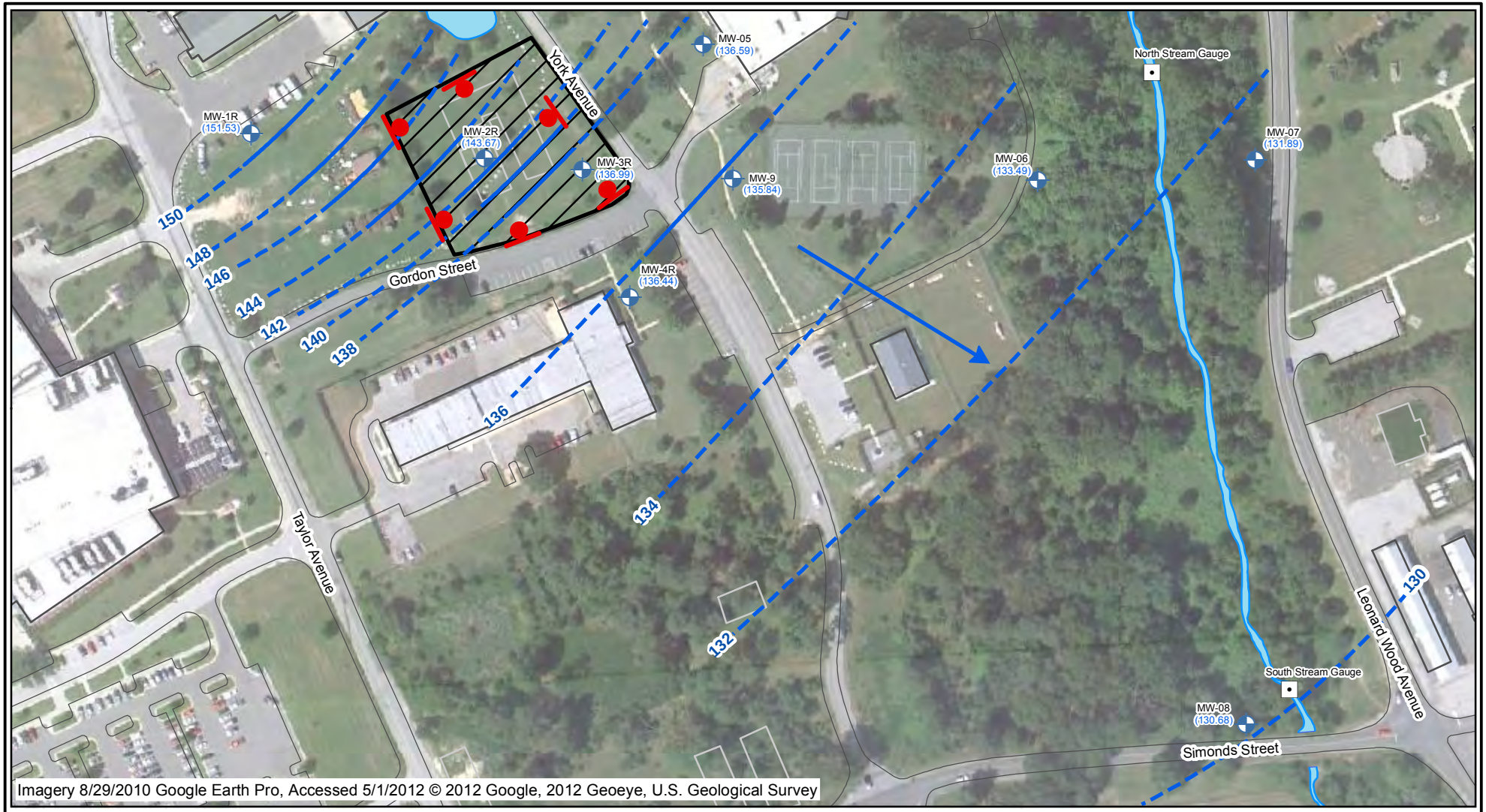
(1) The groundwater monitoring program may be modified over time based on performance monitoring results, upon United States Environmental Protection Agency (USEPA) concurrence.

(2) Monitoring will be conducted at select monitoring wells to be determined following an evaluation of Year 1 results.

(3) The cessation of long term monitoring will be evaluated during the CERCLA five year review process.

FIGURES

CITY: DIV: ENV-IMDV DB: TRY PIC: PM: TM: TR: PROJECT NUMBER: COORDINATE SYSTEM: NAD 1983 StatePlane Maryland FIPS 1900 Feet
Z:\GISPROJECTS_ENV\Fort_Meade\ArcMap\Pesticide_Shop\2016\GW_Contours_20160111.mxd PLOTTED: 3/24/2016 1:20:27 PM BY: sbell



LEGEND

- Well
- Stream Gauge
- Sign Locations
- Road
- Installation Boundary
- Existing Structures
- Demolished Structures
- Surface Water
- LUC Boundary
- (135.40) Groundwater Elevation (Feet Above Mean Sea Level)
- Groundwater Elevation Contour Line (Dashed Where Inferred)
- Groundwater Flow Direction (Foot Per Foot)

0 100 200 Feet
GRAPHIC SCALE

FGGM-13 FORMER PESTICIDE SHOP, BUILDING 6621
FORT GEORGE G. MEADE, MARYLAND

MONITORING WELL LOCATIONS AND GROUNDWATER ELEVATIONS NOVEMBER 2015

PIKA ARCADIS a joint venture

FIGURE 1

LEGEND:

- WELL
- INJECTION POINT
- TEMPORARY PIEZOMETER
- WATER SOURCE
- INJECTION TRANSECTS
- APPROXIMATE EXTENT OF EXCAVATION
- FORMER PESTICIDE SHOP BUILDINGS
- FORMER BUILDING 6621
- ANTICIPATED IN-SITU REACTIVE ZONE BARRIER

NOTES:
1. IP – INJECTION POINT
2. PZ – TEMPORARY PIEZOMETER
3. ERD -- ENHANCED REDUCTIVE DECHLORINATION
4. 11/2011 IMAGERY ACCESSED THROUGH BING MAPS AERIAL VIA ARCGIS ONLINE LAYER PACKAGES BY ESRI (12/1/2010) (C) 2010 MICROSOFT CORPORATION AND ITS DATA SUPPLIERS. ACCESSED ON 3/24/2016 THROUGH ARCGIS 10.

FGGM-13 FORMER PESTICIDE SHOP, BUILDING 6621
FORT GEORGE G. MEADE, MARYLAND

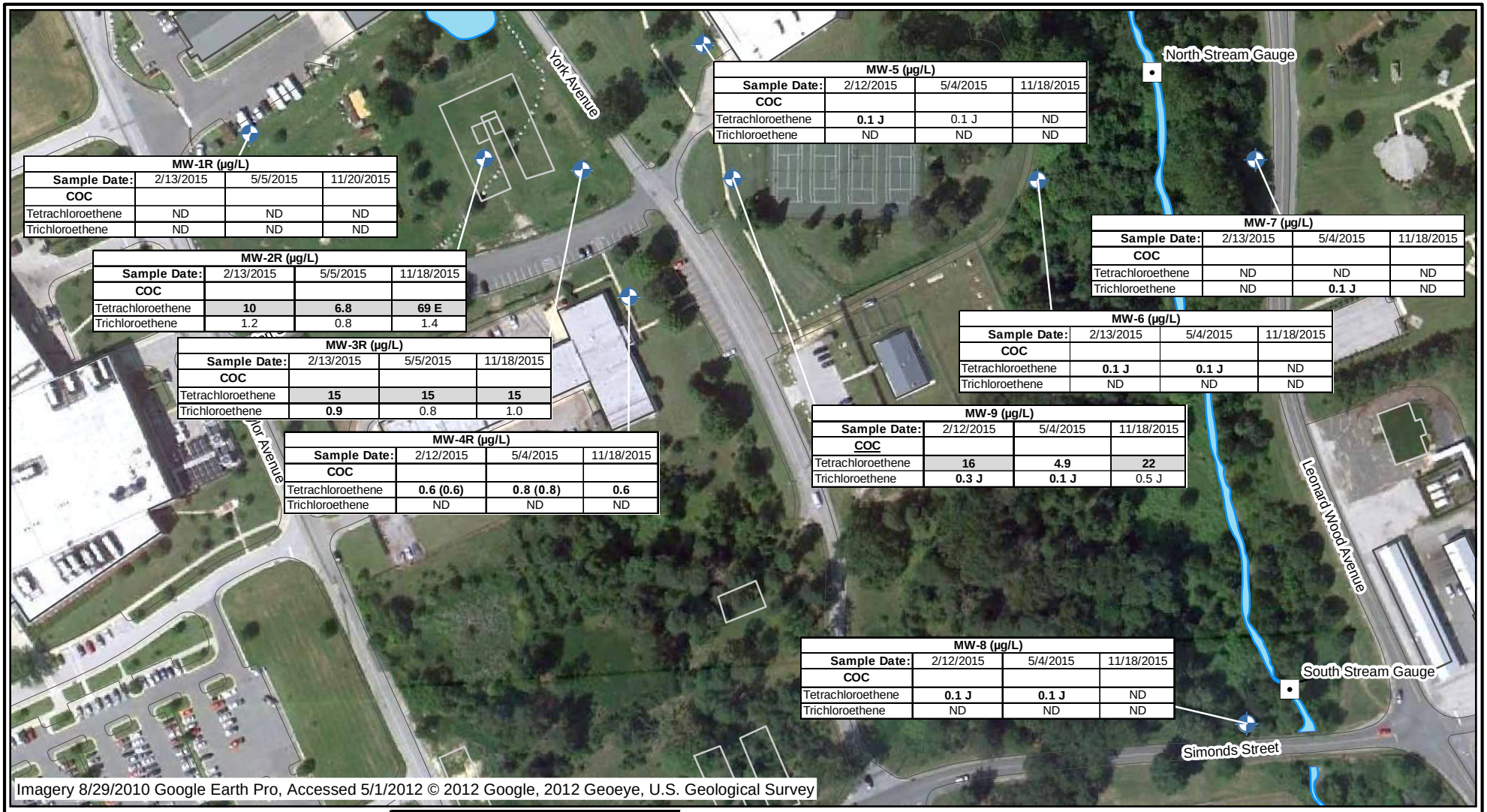
ERD LAYOUT- BASELINE INJECTION EVENT (MARCH 2014)

PIKA ARCADIS a joint venture

FIGURE 2

CITY: DIV: ENV-IMDV DB: TRY PIC: PM: TM: TR: PROJECT NUMBER: COORDINATE SYSTEM: NAD 1983 StatePlane Maryland FIPS 1900 Feet
Z:\GISPROJECTS_ENV\Fort_Meade\ArcMap\Pesticide_Shop\2016\ERD_Layout_20160111.mxd PLOTTED: 3/24/2016 12:42:35 PM BY: sbell

CITY: DIV: ENV-IMDV DB: TRY PIC: PM: TM: TR: PROJECT NUMBER: COORDINATE SYSTEM: NAD 1983 StatePlane Maryland FIPS 1900 Feet
Z:\GISPROJECTS_ENV\Fort_Meade\ArcMap\Pesticide_Shop\2016\GW_VOCs_20160111.mxd PLOTTED: 3/24/2016 12:48:32 PM BY: sbell



MW-1R (µg/L)

Sample Date:	2/13/2015	5/5/2015	11/20/2015
COC			
Tetrachloroethene	ND	ND	ND
Trichloroethene	ND	ND	ND

MW-2R (µg/L)

Sample Date:	2/13/2015	5/5/2015	11/18/2015
COC			
Tetrachloroethene	**10**	**6.8**	**69 E**
Trichloroethene	1.2	0.8	1.4

MW-3R (µg/L)

Sample Date:	2/13/2015	5/5/2015	11/18/2015
COC			
Tetrachloroethene	**15**	**15**	**15**
Trichloroethene	**0.9**	0.8	1.0

MW-4R (µg/L)

Sample Date:	2/12/2015	5/4/2015	11/18/2015
COC			
Tetrachloroethene	**0.6 (0.6)**	**0.8 (0.8)**	**0.6**
Trichloroethene	ND	ND	ND

MW-5 (µg/L)

Sample Date:	2/12/2015	5/4/2015	11/18/2015
COC			
Tetrachloroethene	**0.1 J**	0.1 J	ND
Trichloroethene	ND	ND	ND

MW-6 (µg/L)

Sample Date:	2/13/2015	5/4/2015	11/18/2015
COC			
Tetrachloroethene	**0.1 J**	**0.1 J**	ND
Trichloroethene	ND	ND	ND

MW-7 (µg/L)

Sample Date:	2/13/2015	5/4/2015	11/18/2015
COC			
Tetrachloroethene	ND	ND	ND
Trichloroethene	ND	**0.1 J**	ND

MW-8 (µg/L)

Sample Date:	2/12/2015	5/4/2015	11/18/2015
COC			
Tetrachloroethene	**0.1 J**	**0.1 J**	ND
Trichloroethene	ND	ND	ND

MW-9 (µg/L)

Sample Date:	2/12/2015	5/4/2015	11/18/2015
COC			
Tetrachloroethene	**16**	**4.9**	**22**
Trichloroethene	**0.3 J**	**0.1 J**	0.5 J

LEGEND

- WELL
- STREAM GAUGE
- ROAD
- INSTALLATION BOUNDARY
- EXISTING STRUCTURES
- DEMOLISHED STRUCTURES
- SURFACE WATER

COC	SCL (µg/L)
Tetrachloroethene	5
Trichloroethene	5

0 100 200 Feet
GRAPHIC SCALE

NOTES:
Values exceeding the applicable screening criterion are boldfaced and shaded. Values exceeding reporting limits are boldfaced only.
ND - Analyte was not detected above reporting limits
µg/L - micrograms per liter
J - Indicates an estimated concentration.
COC - Constituent of Concern
SCL - Site Cleanup Level

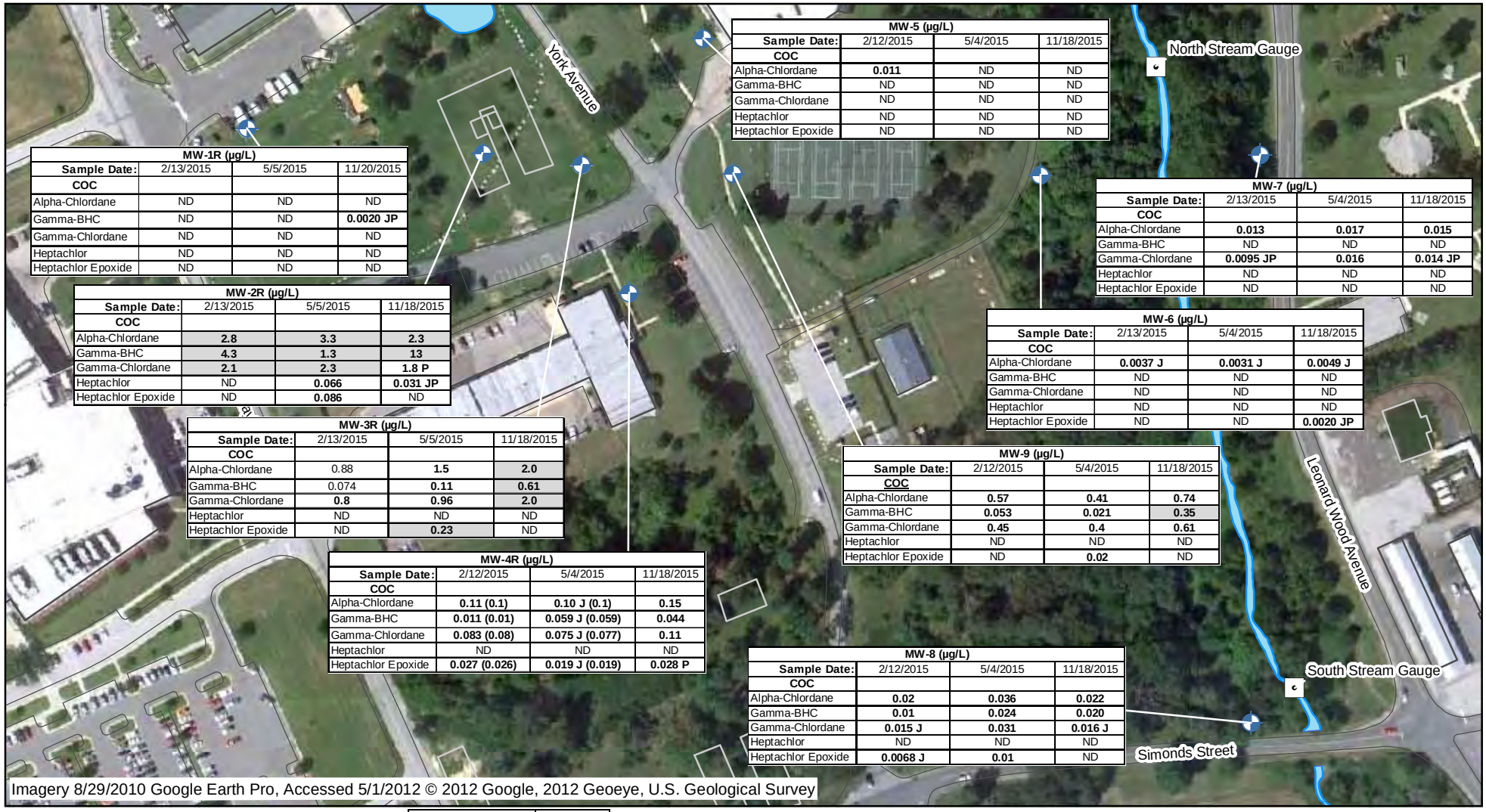
FGGM13 FORMER PESTICIDE SHOP, BUILDING 6621
FORT GEORGE G. MEADE, MARYLAND

2015 GROUNDWATER MONITORING RESULTS - VOCs

PIKA ARCADIS a joint venture

FIGURE
3

CITY: DIV: ENV-IMDV DB: TRY PIC: PM: TM: TR: PROJECT NUMBER: COORDINATE SYSTEM: NAD 1983 StatePlane Maryland FIPS 1900 Feet
Z:\GISPROJECTS_ENV\Fort_Meade\ArcMap\Pesticide_Shop\2016\GW_Pest_20160111.mxd PLOTTED: 3/24/2016 12:51:55 PM BY: sbell



MW-5 (µg/L)

Sample Date:	2/12/2015	5/4/2015	11/18/2015
COC			
Alpha-Chlordane	**0.011**	ND	ND
Gamma-BHC	ND	ND	ND
Gamma-Chlordane	ND	ND	ND
Heptachlor	ND	ND	ND
Heptachlor Epoxide	ND	ND	ND

MW-1R (µg/L)

Sample Date:	2/13/2015	5/5/2015	11/20/2015
COC			
Alpha-Chlordane	ND	ND	ND
Gamma-BHC	ND	ND	**0.0020 JP**
Gamma-Chlordane	ND	ND	ND
Heptachlor	ND	ND	ND
Heptachlor Epoxide	ND	ND	ND

MW-7 (µg/L)

Sample Date:	2/13/2015	5/4/2015	11/18/2015
COC			
Alpha-Chlordane	**0.013**	**0.017**	**0.015**
Gamma-BHC	ND	ND	ND
Gamma-Chlordane	**0.0095 JP**	**0.016**	**0.014 JP**
Heptachlor	ND	ND	ND
Heptachlor Epoxide	ND	ND	ND

MW-2R (µg/L)

Sample Date:	2/13/2015	5/5/2015	11/18/2015
COC			
Alpha-Chlordane	**2.8**	**3.3**	**2.3**
Gamma-BHC	**4.3**	**1.3**	**13**
Gamma-Chlordane	**2.1**	**2.3**	**1.8 P**
Heptachlor	ND	**0.066**	**0.031 JP**
Heptachlor Epoxide	ND	**0.086**	ND

MW-6 (µg/L)

Sample Date:	2/13/2015	5/4/2015	11/18/2015
COC			
Alpha-Chlordane	**0.0037 J**	**0.0031 J**	**0.0049 J**
Gamma-BHC	ND	ND	ND
Gamma-Chlordane	ND	ND	ND
Heptachlor	ND	ND	ND
Heptachlor Epoxide	ND	ND	**0.0020 JP**

MW-3R (µg/L)

Sample Date:	2/13/2015	5/5/2015	11/18/2015
COC			
Alpha-Chlordane	0.88	**1.5**	**2.0**
Gamma-BHC	0.074	**0.11**	**0.61**
Gamma-Chlordane	**0.8**	**0.96**	**2.0**
Heptachlor	ND	ND	ND
Heptachlor Epoxide	ND	**0.23**	ND

MW-9 (µg/L)

Sample Date:	2/12/2015	5/4/2015	11/18/2015
COC			
Alpha-Chlordane	**0.57**	**0.41**	**0.74**
Gamma-BHC	**0.053**	**0.021**	**0.35**
Gamma-Chlordane	**0.45**	**0.4**	**0.61**
Heptachlor	ND	ND	ND
Heptachlor Epoxide	ND	**0.02**	ND

MW-4R (µg/L)

Sample Date:	2/12/2015	5/4/2015	11/18/2015
COC			
Alpha-Chlordane	**0.11 (0.1)**	**0.10 J (0.1)**	**0.15**
Gamma-BHC	**0.011 (0.01)**	**0.059 J (0.059)**	**0.044**
Gamma-Chlordane	**0.083 (0.08)**	**0.075 J (0.077)**	**0.11**
Heptachlor	ND	ND	ND
Heptachlor Epoxide	**0.027 (0.026)**	**0.019 J (0.019)**	**0.028 P**

MW-8 (µg/L)

Sample Date:	2/12/2015	5/4/2015	11/18/2015
COC			
Alpha-Chlordane	**0.02**	**0.036**	**0.022**
Gamma-BHC	**0.01**	**0.024**	**0.020**
Gamma-Chlordane	**0.015 J**	**0.031**	**0.016 J**
Heptachlor	ND	ND	ND
Heptachlor Epoxide	**0.0068 J**	**0.01**	ND

LEGEND

- WELL
- STREAM GAUGE
- ROAD
- INSTALLATION BOUNDARY
- EXISTING STRUCTURES
- DEMOLISHED STRUCTURES
- SURFACE WATER

COC	SCL (µg/L)
Alpha-Chlordane	2
Gamma-BHC	0.2
Gamma-Chlordane	2
Heptachlor	0.4
Heptachlor Epoxide	0.2

NOTES:
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µg/L - micrograms per liter
J - Indicates an estimated concentration.
COC - Constituent of Concern
SCL - Site Cleanup Level

0 100 200 Feet
GRAPHIC SCALE

FGGM13 FORMER PESTICIDE SHOP, BUILDING 6621
FORT GEORGE G. MEADE, MARYLAND

2015 GROUNDWATER MONITORING RESULTS - PESTICIDES

PIKA ARCADIS a joint venture

FIGURE 4

ATTACHMENT 1

Field Documentation

ATTACHMENT 2

Laboratory Analytical Reports

(Provided on CD)

ATTACHMENT 3

Data Validation Reports

(Provided on CD)

ATTACHMENT 4

Photo Log

Project Photographs

FGGM 13 Former Pesticide Shop, Building 6621
Fort George G. Meade, Maryland

Photo: 1

Date:
11/25/2015

Description:
Equipment storage and ground cover

Location: Site entrance, facing northwest

Photo: 2

Date:
11/25/2015

Description:
Equipment storage and ground cover

Location:
Southwest corner of the Site, facing northwest.

Photo: 3

Date:
11/25/2015

Description:
Land use control sign

Location:
Southwest corner of the Site, facing east

Project Photographs

FGGM 13 Former Pesticide Shop, Building 6621
Fort George G. Meade, Maryland

Photo: 4

Date:
11/25/2015

Description:
Land use control sign

Location:
Northwest corner of the Site, facing east

Photo: 5

Date:
11/25/2015

Description:
Land use control sign on fence

Location:
Southeast corner of the Site fence, facing northeast

Photo: 6

Date:
11/25/2015

Description:
Land use control sign

Location:
Left of site entrance off Gordon Street, facing north

Project Photographs

FGGM 13 Former Pesticide Shop, Building 6621
Fort George G. Meade, Maryland

Photo: 7

Date:
11/25/2015

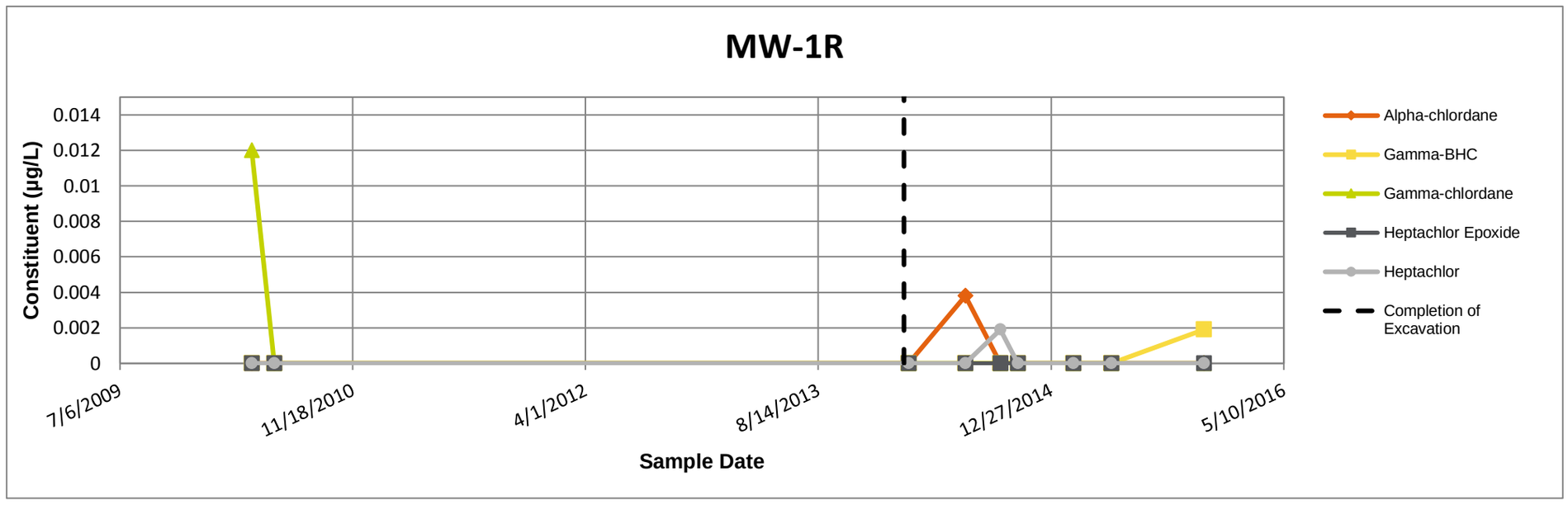
Description:
Land use control sign

Location:
Middle of northern most Site fence, facing south

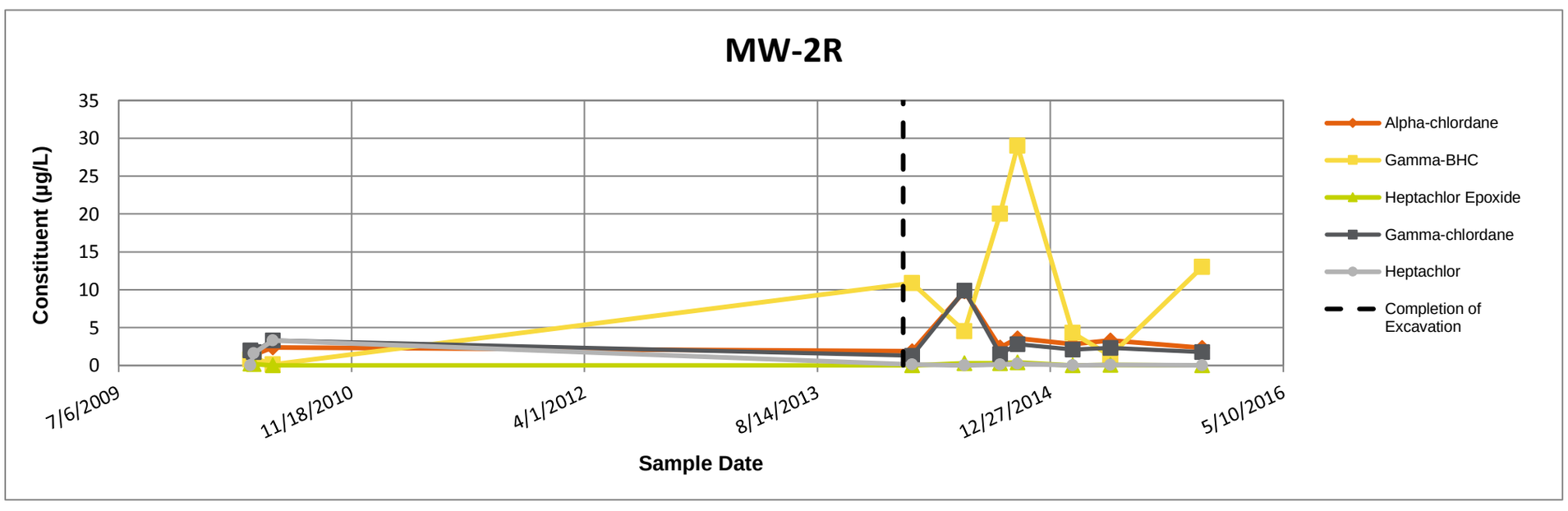
ATTACHMENT 5

Data Trend Charts

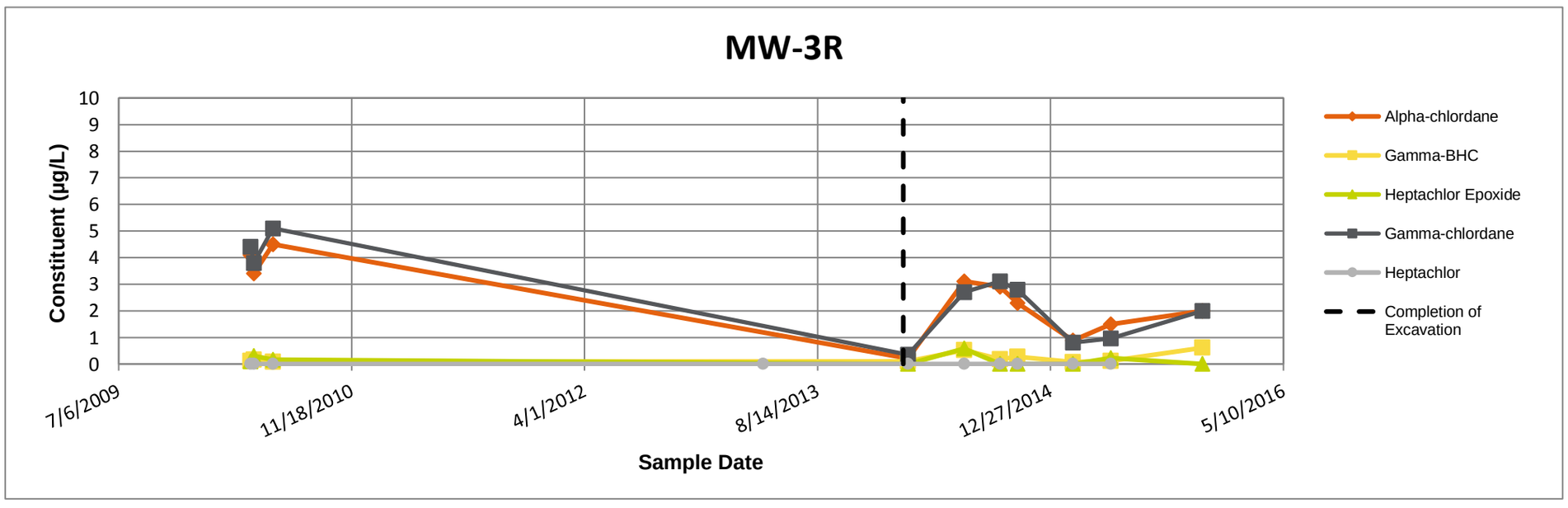
Pesticides



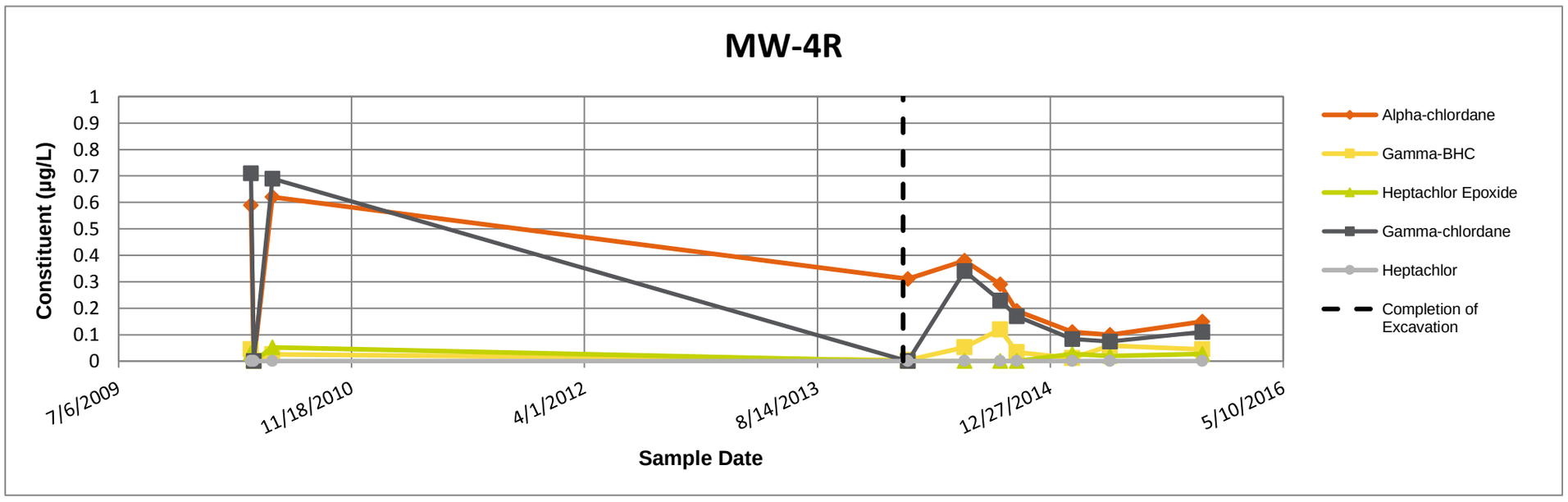
Analyte	SCL	4/15/2010	6/2/2010	2/24/2014	6/26/2014	9/9/2014	10/17/2014	2/13/2015	5/5/2015	11/20/2015
Alpha-chlordane	2	ND	ND	ND	0.0038 J	ND	ND	ND	ND	ND
Gamma-BHC	0.2	ND	ND	ND	ND	ND	ND	ND	ND	0.0019 J
Gamma-chlordane	2	0.012 JP	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.4	ND	ND	ND	ND	0.0019 J	ND	ND	ND	ND
Heptachlor Epoxide	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND



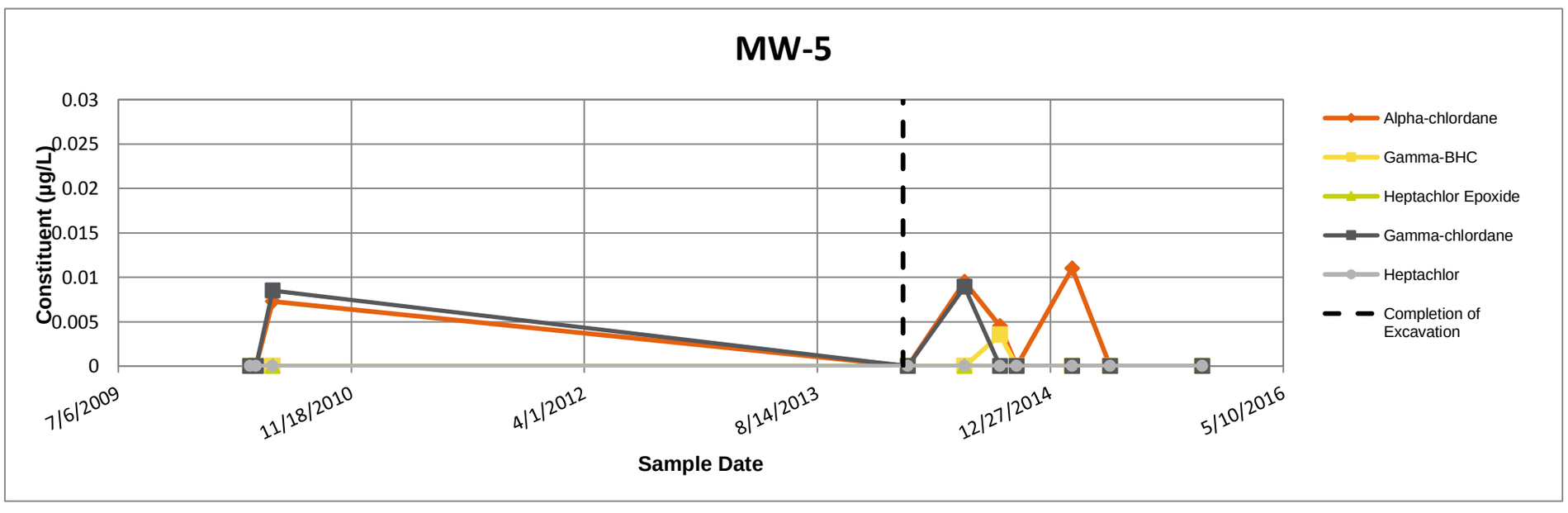
Analyte	SCL	4/15/2010	4/22/2010	6/2/2010	3/5/2014	6/25/2014	9/10/2014	10/17/2014	2/13/2015	5/5/2015	11/18/2015
Alpha-chlordane	2	1.8 P	1.4 J	**2.4 P**	1.9 J	**9.8 J**	**2.4**	**3.6**	**2.8**	**3.3**	**2.3**
Gamma-BHC	0.2	**0.8**	**1.0 J**	0.13 P	**10.9**	**4.5 J**	**20**	**29**	**4.3**	**1.3**	**13**
Gamma-chlordane	2	**2.0 P**	1.8 J	**3.3**	1.3 J	**9.9 J**	1.5	**2.8**	**2.1**	**2.3**	1.8
Heptachlor	0.4	ND	**1.6 J**	**3.3 P**	0.16 J	ND	0.13	0.22	ND	0.066	0.031 J
Heptachlor Epoxide	0.2	**0.23 P**	0.20 J	ND	ND	**0.32 J**	**0.3**	**0.41**	ND	0.086	ND



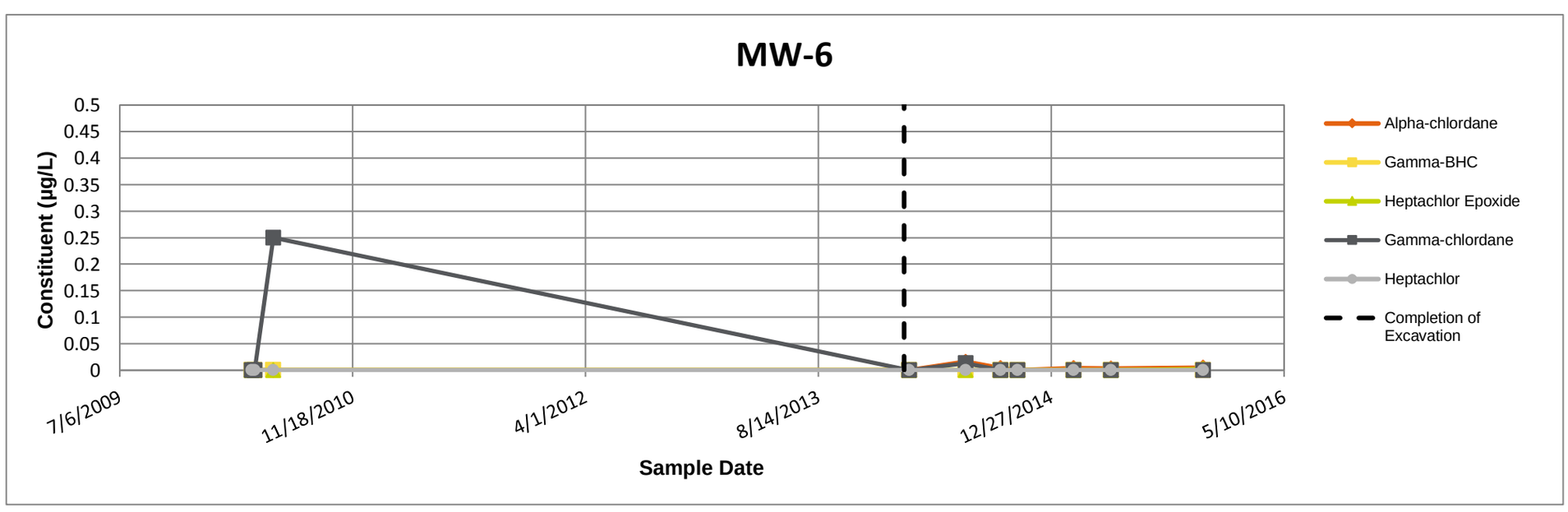
Analyte	SCL	4/15/2010	4/22/2010	6/2/2010	2/24/2014	6/25/2014	9/10/2014	10/17/2014	2/13/2015	5/5/2015	11/18/2105
Alpha-chlordane	2	**4.1**	**3.4**	**4.5 H**	0.21	**3.1**	**2.9**	**2.3**	0.88	1.5	**2**
Gamma-BHC	0.2	0.11	0.16	0.082 JH	0.098 J	**0.52**	0.18	**0.27**	0.074	0.11	**0.61**
Gamma-chlordane	2	**4.4**	**3.8**	**5.1 H**	0.35	**2.7**	**3.1**	**2.8**	0.8	0.96	**2**
Heptachlor	0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.2	0.097 P	**0.31 P**	0.16 H	ND	**0.58**	ND	ND	ND	**0.23**	ND



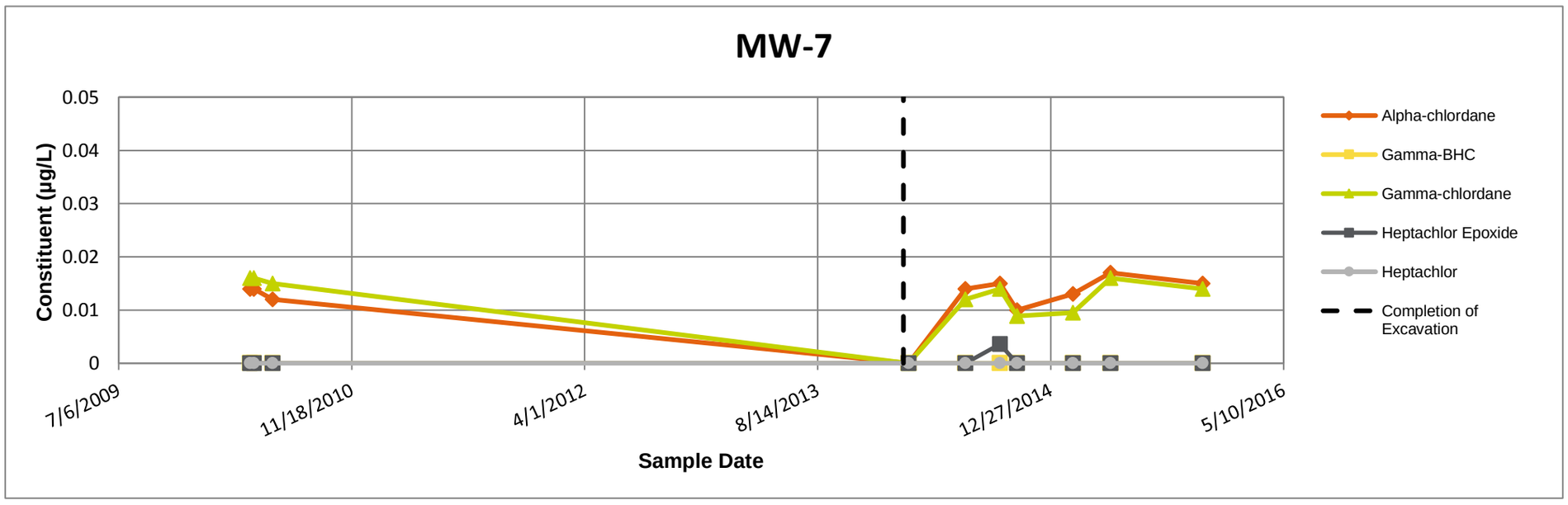
Analyte	SCL	4/16/2010	4/22/2010	6/1/2010	2/24/2014	6/26/2014	9/10/2014	10/16/2014	2/12/2015	5/4/2015	11/18/2015
Alpha-chlordane	2	0.59	ND	0.62 J	0.31	0.38 J	0.29	0.19	0.11	0.1 J	0.15
Gamma-BHC	0.2	0.044	ND	0.025 J	0.034 J	0.052 J	0.12	0.033	0.011	0.059 J	0.044
Gamma-chlordane	2	0.71	ND	0.69 J	ND	0.34 J	0.23	0.17	0.083	0.075 J	0.11
Heptachlor	0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.2	0.031	ND	0.052 J	ND	ND	ND	ND	0.027	0.019 J	0.028



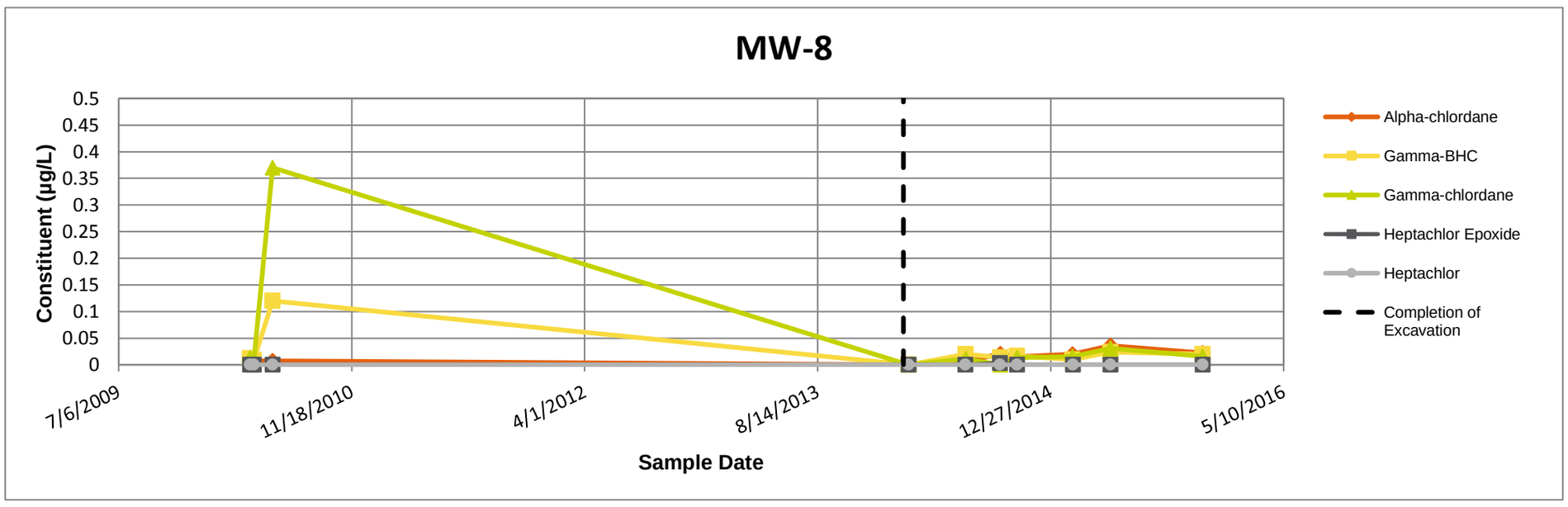
Analyte	SCL	4/15/2010	4/27/2010	6/2/2010	2/24/2014	6/26/2014	9/10/2014	10/16/2014	2/12/2015	5/4/2015	11/18/2015
Alpha-chlordane	2	ND	ND	0.0073 J	ND	0.0095	0.0045 J	ND	0.011	ND	ND
Gamma-BHC	0.2	ND	ND	ND	ND	ND	0.0035 J	ND	ND	ND	ND
Gamma-chlordane	2	ND	ND	0.0085 JP	ND	0.0089 J	ND	ND	ND	ND	ND
Heptachlor	0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND



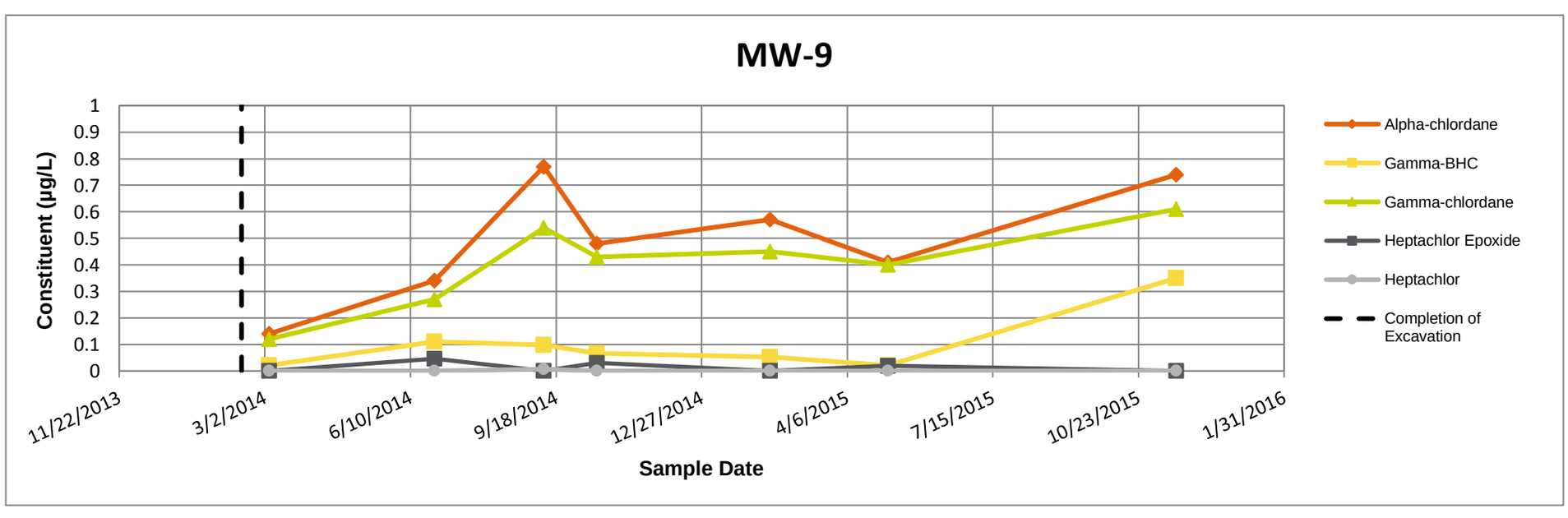
Analyte	SCL	4/15/2010	4/22/2010	6/1/2010	2/25/2014	6/26/2014	9/9/2014	10/16/2014	2/13/2015	5/5/2015	11/20/2015
Alpha-chlordane	2	ND	ND	ND	ND	0.016	0.0035 J	ND	0.0037 J	0.0031 J	0.0049 J
Gamma-BHC	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Gamma-chlordane	2	ND	ND	0.25 P	ND	0.013	ND	ND	ND	ND	ND
Heptachlor	0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0020 J



Analyte	SCL	4/14/2010	4/22/2010	6/1/2010	2/25/2014	6/26/2014	9/9/2014	10/16/2014	2/13/2015	5/5/2015	11/18/2005
Alpha-chlordane	2	0.014 J	0.014 J	0.012 J	ND	0.014	0.015	0.01	0.013	0.017	0.015
Gamma-BHC	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Gamma-chlordane	2	0.016 JP	0.016 J	0.015 J	ND	0.012	0.014	0.0089	0.0095 JP	0.016	0.014 J
Heptachlor	0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.2	ND	ND	ND	ND	ND	0.0036 J	ND	ND	ND	ND

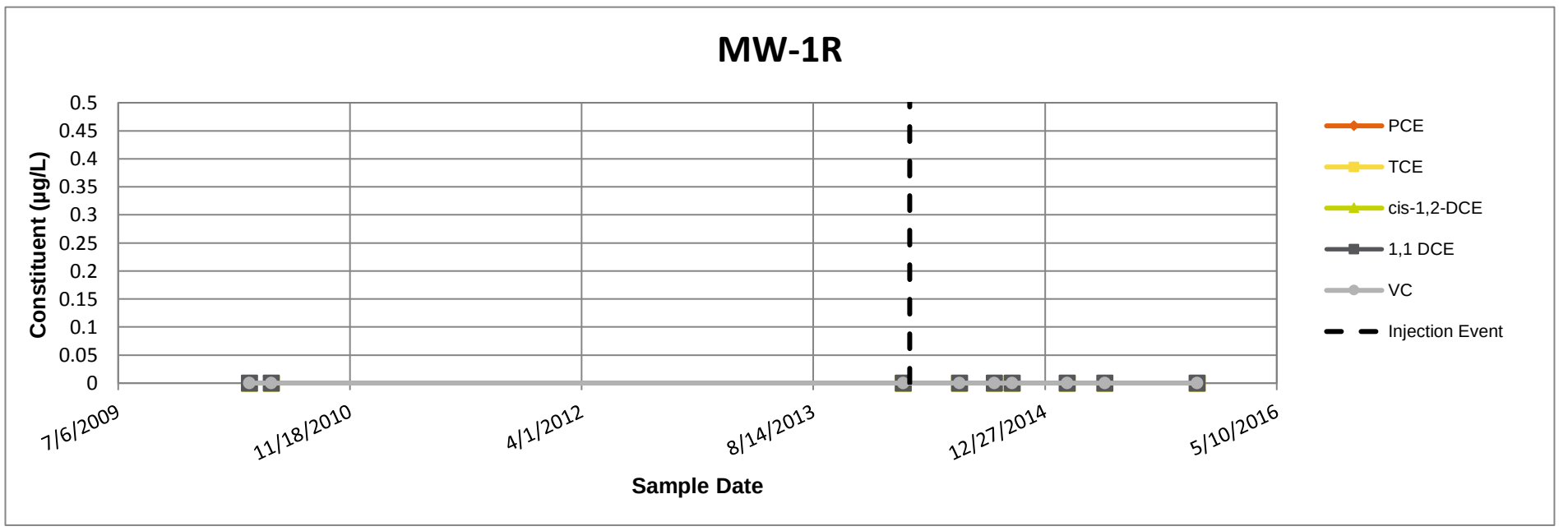


Analyte	SCL	4/14/2010	4/22/2010	6/1/2010	2/25/2014	6/27/2014	9/10/2014	10/16/2014	2/12/2015	5/4/2015	11/18/2015
Alpha-chlordane	2	0.013 J	0.0073 J	0.0076 J	ND	0.0058 J	0.021	0.015	0.02	0.036	0.022
Gamma-BHC	0.2	0.012 J	0.0092 J	0.12 J	ND	0.02	0.014	0.017	0.01	0.024	0.02
Gamma-chlordane	2	0.013 J	0.0077 J	0.37 J	ND	0.011	ND	0.014	0.015 J	0.031	0.016 J
Heptachlor	0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.2	0.0032 J	ND	ND	ND	0.0019 J	0.0055 J	0.0039	0.0068 J	0.01	ND

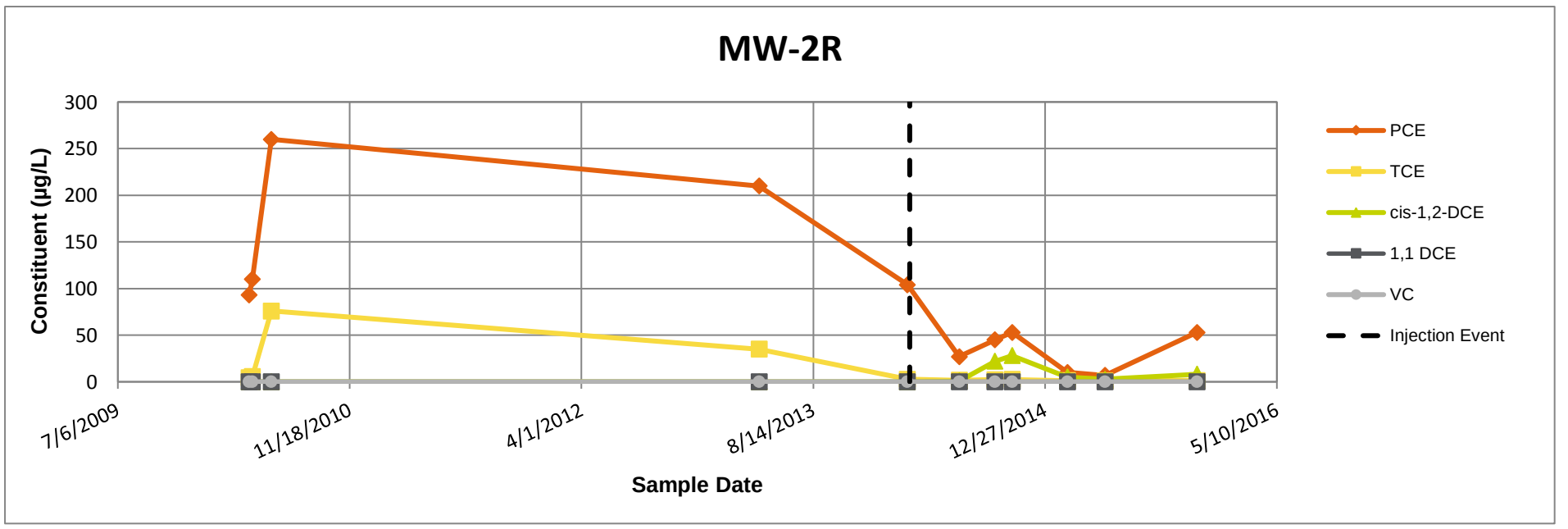


Analyte	SCL	3/5/2014	6/26/2014	9/9/2014	10/16/2014	2/12/2015	5/4/2015	11/18/2015
Alpha-chlordane	2	0.14 J	0.34	0.77	0.48	0.57	0.41	0.74
Gamma-BHC	0.2	0.021 J	0.11	0.097	0.067	0.053	0.021	**0.35**
Gamma-chlordane	2	0.12 J	0.27	0.54	0.43	0.45	0.4	0.61
Heptachlor	0.4	ND	ND	0.0066 J	ND	ND	ND	ND
Heptachlor Epoxide	0.2	ND	0.046	ND	0.031	ND	0.02	ND

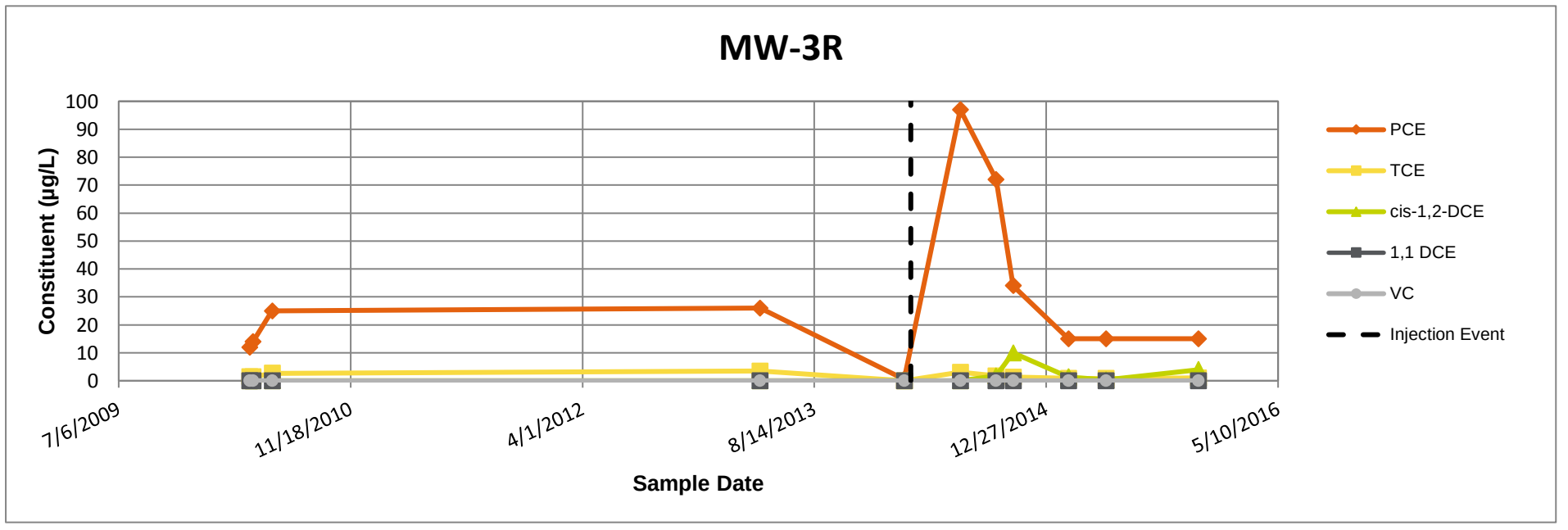
Chlorinated Volatile Organic Compounds



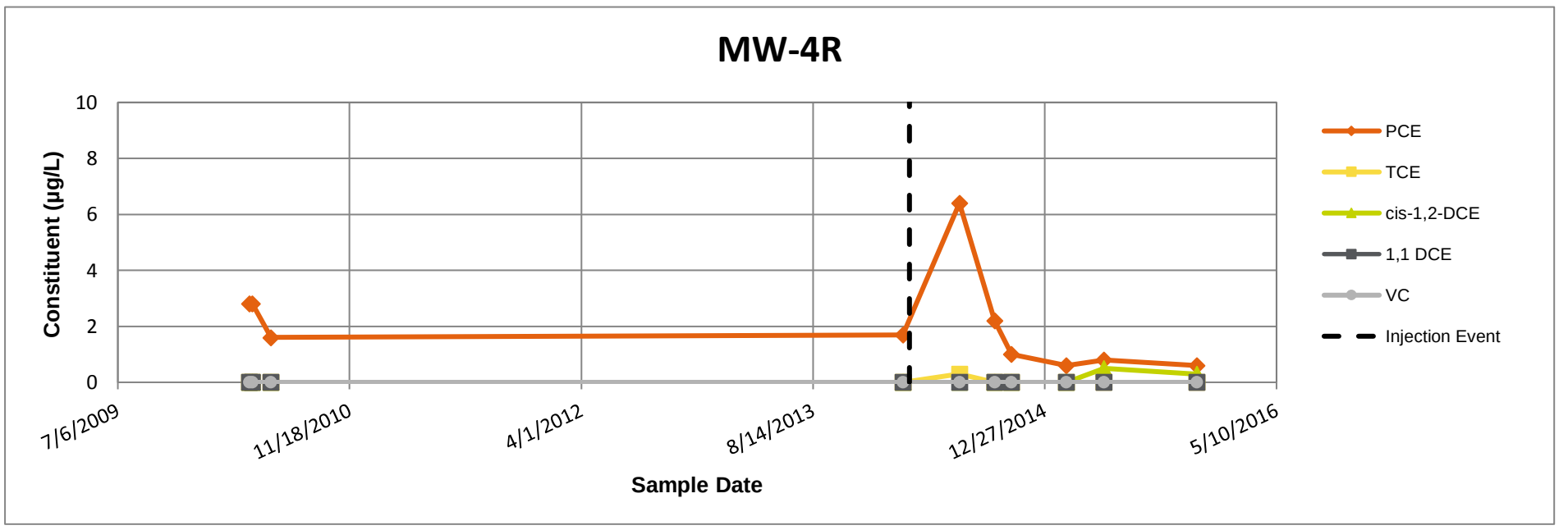
Analyte	SCL	4/15/2010	6/2/2010	2/24/2014	6/26/2014	9/9/2014	10/17/2014	2/13/2015	5/5/2015	11/20/2015
PCE	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
TCE	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-DCE	---	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-DCE	---	ND	ND	ND	ND	ND	ND	ND	ND	ND
VC	---	ND	ND	ND	ND	ND	ND	ND	ND	ND



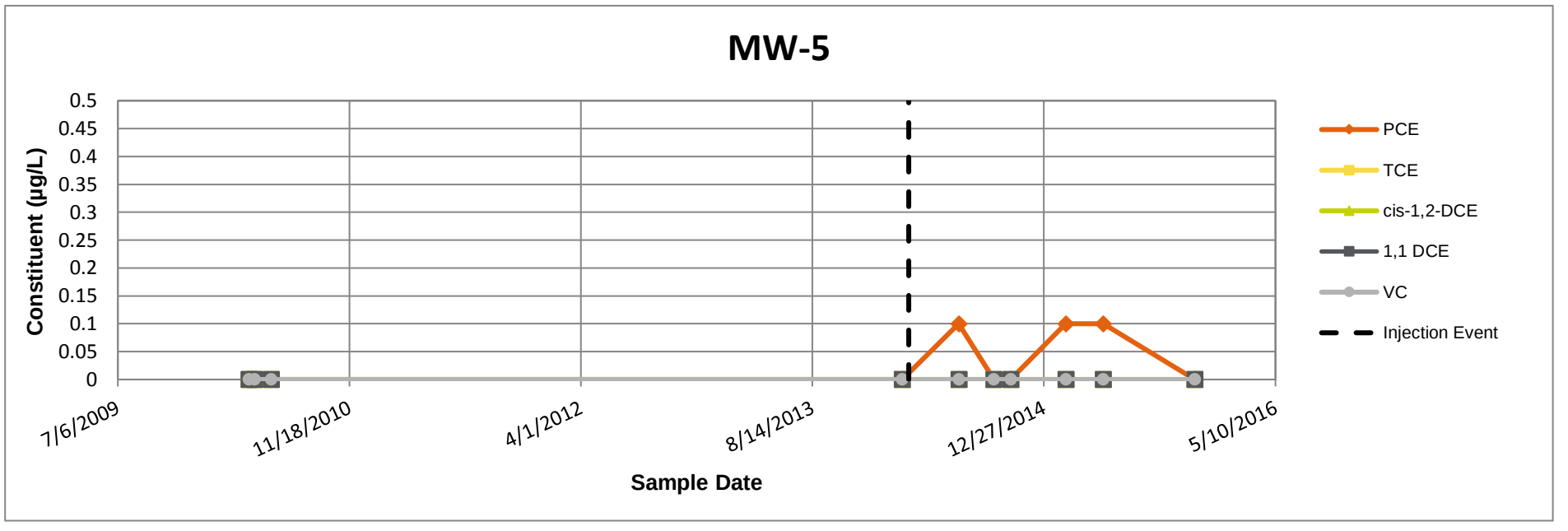
Analyte	SCL	4/15/2010	4/22/2010	6/2/2010	4/19/2013	3/5/2014	6/25/2014	9/10/2014	10/17/2014	2/13/2015	5/5/2015	11/18/2015
PCE	5	**93**	**110**	**260**	**210**	**104**	**27**	**45**	**53**	**10**	**6.8**	**53**
TCE	5	4.3 J	**5.5**	**76**	**35**	2.7	1.6	2.2	2.6	1.2	0.8	1.4
1,1-DCE	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-DCE	---	ND	ND	ND	ND	ND	0.8	22	28	5.2	2.8	8.1
VC	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND



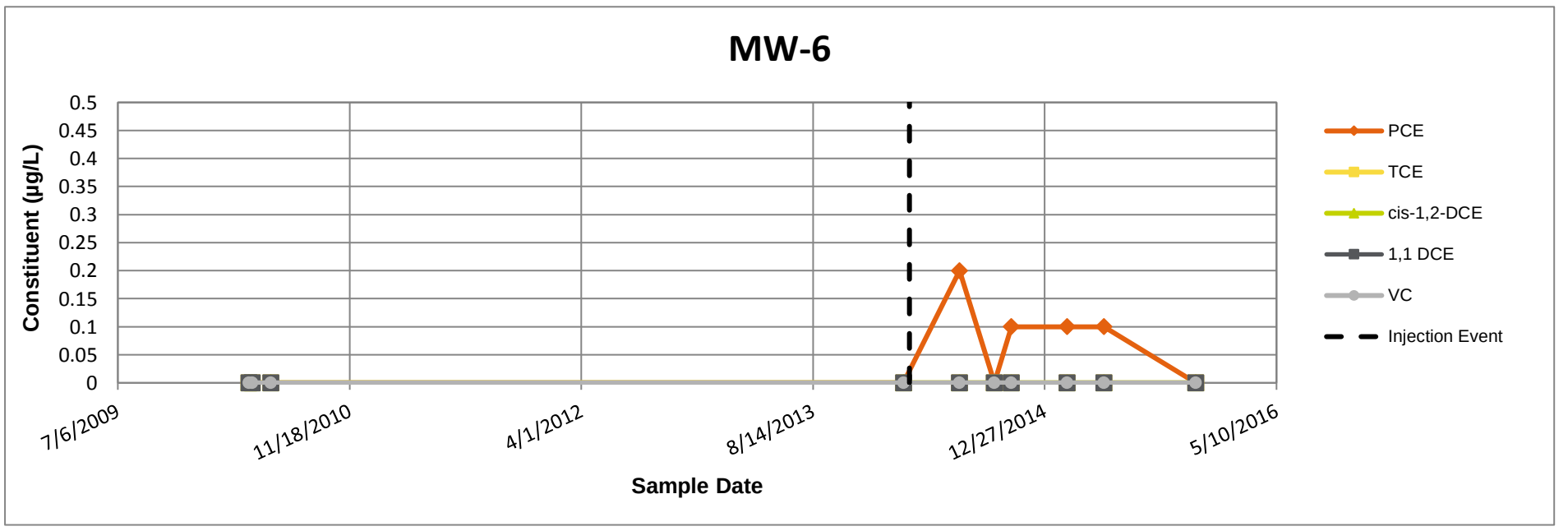
Analyte	SCL	4/15/2010	4/22/2010	6/2/2010	4/19/2013	2/24/2014	6/25/2014	9/10/2014	10/17/2014	2/13/2015	5/5/2015	11/18/2015
PCE	5	**12**	**15**	**25**	**26**	0.52 J	**97**	**72**	**34**	**15**	**15**	**15**
TCE	5	1.4 J	1.5 J	2.7 J	3.5	ND	3.0	1.7	1.3	0.9	0.8	1
1,1-DCE	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-DCE	---	ND	ND	ND	ND	ND	ND	1.8	10	1.4	0.3 J	4
VC	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND



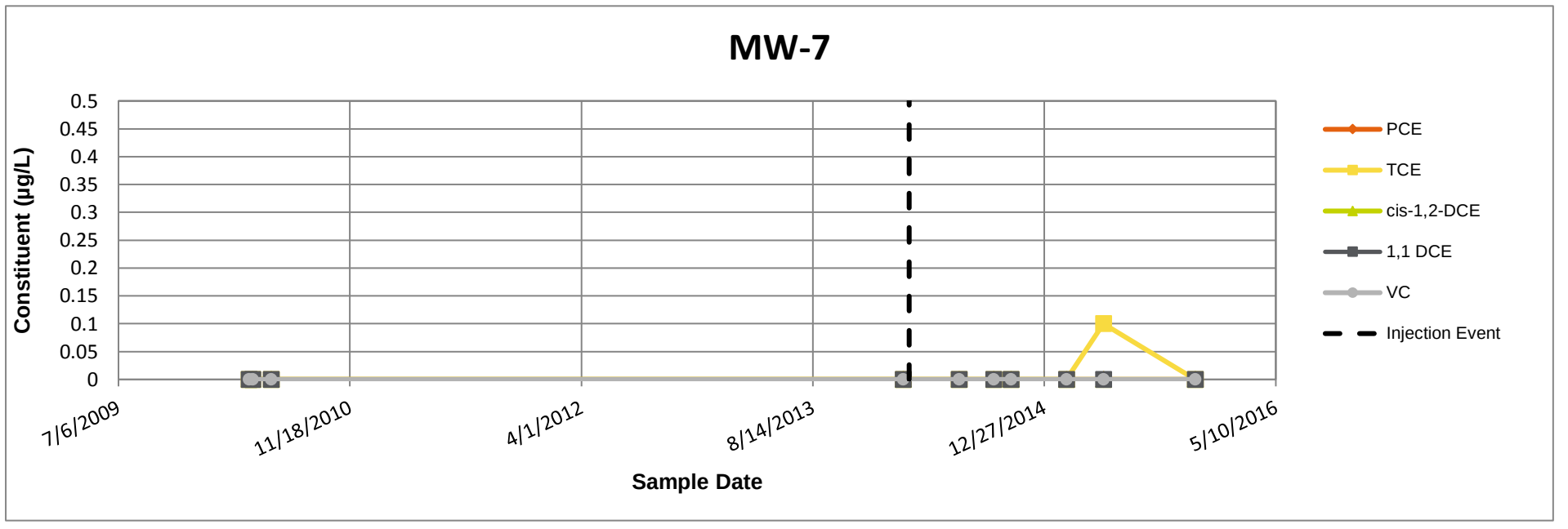
Analyte	SCL	4/16/2010	4/22/2010	6/1/2010	2/24/2014	6/26/2014	9/10/2014	10/16/2014	2/12/2015	5/4/2015	11/18/2015
PCE	5	2.8 J	2.8 J	1.6 J	1.7	**6.4**	2.2	1.0	0.6	0.8	0.6
TCE	5	ND	ND	ND	ND	0.3 J	ND	ND	ND	ND	ND
1,1-DCE	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-DCE	---	ND	ND	ND	ND	ND	ND	ND	ND	0.5 J	0.3 J
VC	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND



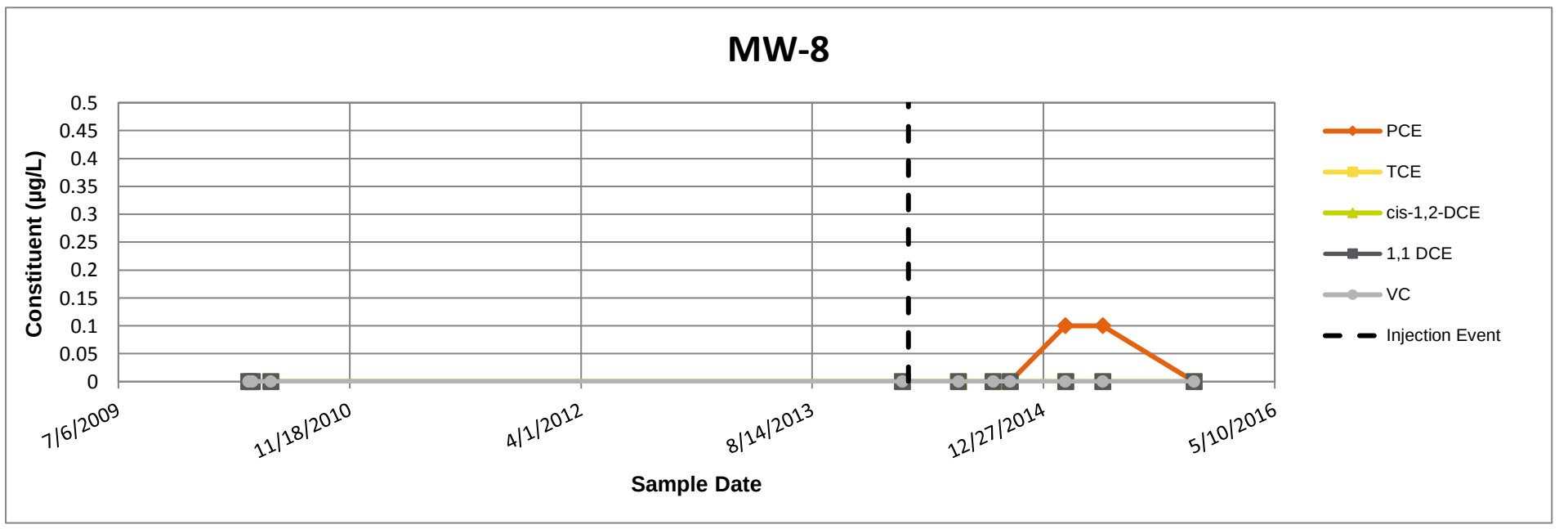
Analyte	SCL	4/15/2010	4/27/2010	6/2/2010	2/24/2014	6/26/2014	9/9/2014	10/16/2014	2/12/2015	5/4/2015	11/18/2015
PCE	5	ND	ND	ND	ND	0.1 J	ND	ND	0.1 J	0.1 J	ND
TCE	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-DCE	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-DCE	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VC	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND



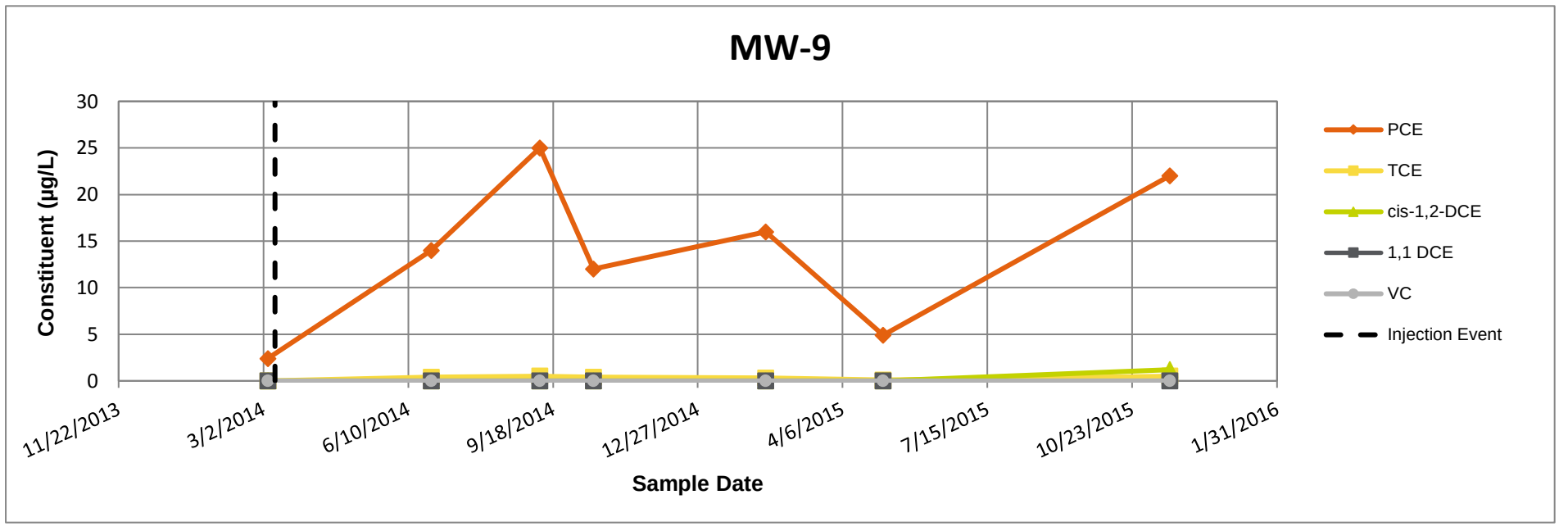
Analyte	SCL	4/15/2010	4/22/2010	6/1/2010	2/25/2014	6/26/2014	9/9/2014	10/16/2014	2/13/2015	5/4/2015	11/18/2015
PCE	5	ND	ND	ND	ND	0.2 J	ND	0.1	0.1 J	0.1 J	ND
TCE	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-DCE	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-DCE	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VC	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND



Analyte	SCL	4/14/2010	4/22/2010	6/1/2010	2/25/2014	6/26/2014	9/9/2014	10/16/2014	2/13/2015	5/4/2015	11/18/2015
PCE	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TCE	5	ND	ND	ND	ND	ND	ND	ND	ND	0.1 J	ND
1,1-DCE	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-DCE	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VC	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND



Analyte	SCL	4/14/2010	4/22/2010	6/1/2010	2/25/2014	6/27/2014	9/10/2014	10/16/2014	2/12/2015	5/4/2105	11/18/2015
PCE	5	ND	ND	ND	ND	ND	ND	ND	0.1 J	0.1 J	ND
TCE	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-DCE	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-DCE	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VC	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND



Analyte	SCL	3/5/2014	6/26/2014	9/9/2014	10/16/2014	2/12/2015	5/4/2015	11/18/2015
PCE	5	2.4	**14**	**25**	**12**	**16**	**4.9**	**22**
TCE	5	ND	0.4 J	0.5 J	0.4 J	0.3 J	0.1 J	0.5 J
1,1-DCE	---	ND	ND	ND	ND	ND	ND	ND
cis-DCE	---	ND	ND	ND	ND	ND	ND	1.2
VC	---	ND	ND	ND	ND	ND	ND	ND

Notes:

1. Concentrations exceeding the applicable screening criterion are boldfaced and shaded.
2. Concentrations below the detection limit are represented graphically as zero.
3. All concentrations are presented in microgram per liter.
4. Sampling was conducted using low flow sample methodologies (4/14/10 - 4/16/10) and hydrasleeve samplers (4/22/10) for comparison purposes.

1,1-DCE - 1,1,-Dichloroethene

cis-1,2-DCE - cis-1,2,-Dichloroethene

PCE - Tetrachlorethene

TCE - Trichlorethene

VC - Vinyl Chloride

H - Sample analyzed outside of holding time.

J - Indicates an estimated result. Result is less than laboratory reporting limits.

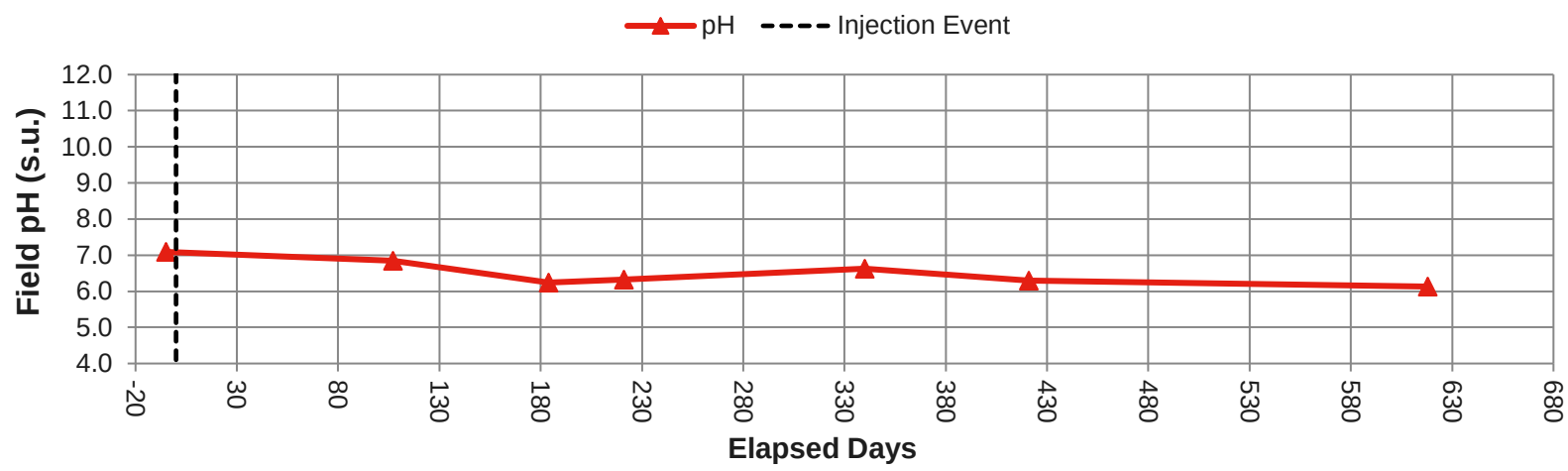
ND - Analyte was not detected above reporting limits.

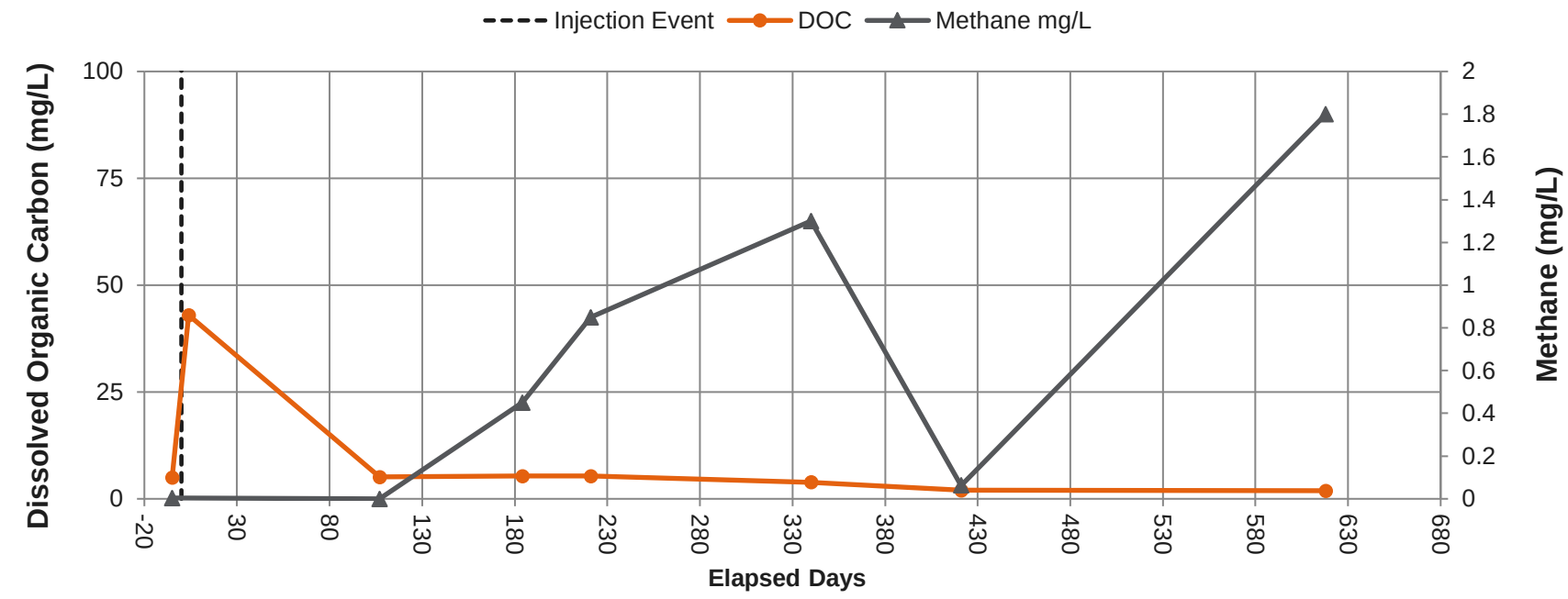
P - The relative percent difference between two gas chromatography columns exceeded 40%.

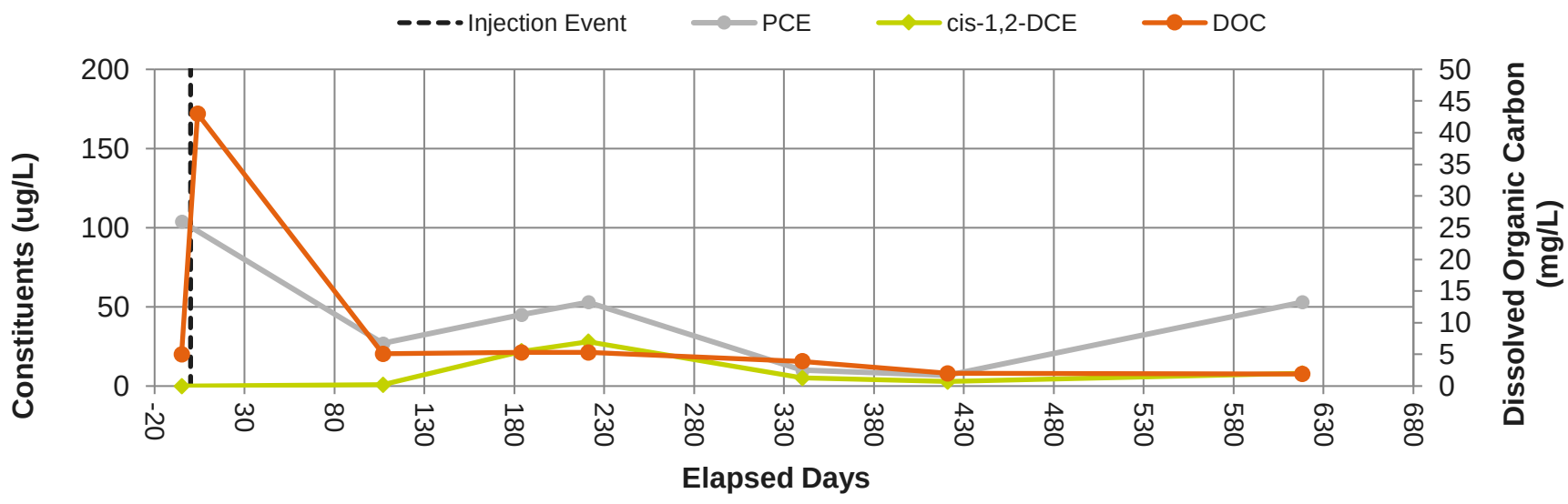
ATTACHMENT 6

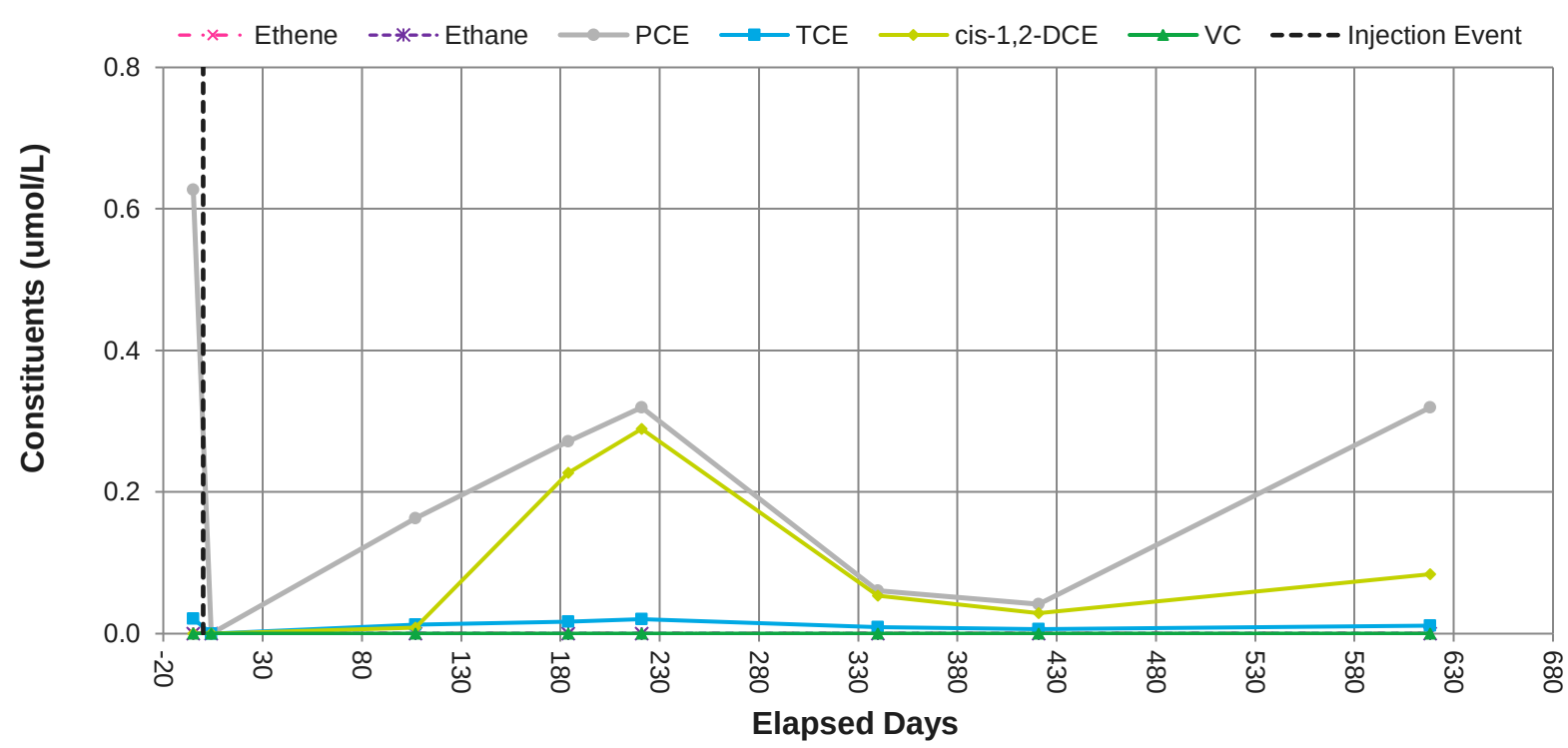
Performance Monitoring Charts

MW-2R


pH
Injection Event
Field pH (s.u.)
12.0
11.0
10.0
9.0
8.0
7.0
6.0
5.0
4.0
-20
30
80
130
180
230
280
330
380
430
480
530
580
630
680
Elapsed Days


Injection Event
DOC
Methane mg/L
Dissolved Organic Carbon (mg/L)
100
75
50
25
0
Methane (mg/L)
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
-20
30
80
130
180
230
280
330
380
430
480
530
580
630
680
Elapsed Days


Injection Event
PCE
cis-1,2-DCE
DOC
Constituents (ug/L)
200
150
100
50
0
Dissolved Organic Carbon (mg/L)
50
45
40
35
30
25
20
15
10
5
0
-20
30
80
130
180
230
280
330
380
430
480
530
580
630
680
Elapsed Days


Ethene
Ethane
PCE
TCE
cis-1,2-DCE
VC
Injection Event
Constituents (umol/L)
0.8
0.6
0.4
0.2
0.0
-20
30
80
130
180
230
280
330
380
430
480
530
580
630
680
Elapsed Days

ATTACHMENT 7

Response to Comments

Comments for the

Draft 2015 Annual GW Monitoring Report Former Pesticide Shop April 27, 2016

Fort Meade, MD

Response Code: A = Agree with comment D = Disagree with comment C = Comment requires clarification

Comment Number	Commenter	Page(s)	Section	Line(s)	Comment	Response Code	Response
TECHNICAL COMMENTS							
1	EG	General			One recommendation made in this report is to remove MW-2R from the monitoring well network, as no additional injections of emulsified vegetable oil/molasses are expected to be needed based on declining volatile organic compound concentrations in the source area. However, MW-2R serves as a valuable monitoring point in the footprint of the former pesticide shop for the other class of constituents of concern (COCs) at this site: pesticides. Two of these pesticide COCs exceeded their respective Site Cleanup Levels (SCLs) at MW-2R during the most recent monitoring event, and three pesticides exceeded their SCLs for the February and May 2015 monitoring events. Therefore the FFIRP requests that this monitoring well be retained in the monitoring program until concentrations of all pesticides are consistently below SCLs.	A	The recommendation made in the 2015 Annual Groundwater Monitoring Report (specifically in the Remedy Performance and Future Activities section) is that performance monitoring be suspended at MW-2R. Performance monitoring is limited to the collection of groundwater samples for analysis of dissolved gasses and organic carbon. These parameters were used to assess the performance of the injection event. No additional injections are necessary; thus, this component of the monitoring program is no longer required. Furthermore, pursuant to a USEPA comment received on the Draft Remedial Design for Pesticide Shop (dated September 4, 2013) and subsequent discussions, metals were added to the long-term monitoring program to confirm no metals were mobilized at the Site as a result of the injection event. Therefore, it is also proposed that metals be removed from the monitoring program at all monitoring locations as 1) no additional injection events will be conducted at the Site; 2) concentrations of metals are consistent when comparing pre- and post-injection results and also when comparing concentrations from locations up- and down-gradient of MW-2R; and 3) metals were not identified as a constituent of concern and no site clean up levels exist for metals. All locations in the monitoring well network, including MW-2R, will continue to be analyzed for pesticides and volatile organic compounds to document the continued decline of constituents of concern at the Site. Clarification of the revised monitoring program was added to the Remedy Performance and Future Activities section and also in the newly added Table 6.
2	RS	General			EPA does not concur with the recommendation to remove MW-2R from the monitoring well network until there is more evidence that pesticides are declining or below their respective Site Cleanup Levels.	A	Please refer to the response above. All locations in the monitoring well network, including MW-2R, will continue to be analyzed for pesticides and volatile organic compounds to document the continued decline of constituents of concern at the Site. Clarification of the revised monitoring program was added to the Remedy Performance and Future Activities section and also in the newly added Table 6. .
EDITORIAL COMMENTS							

COMMENTS PROVIDED BY

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