4th SEMI-ANNUAL PROGRESS REPORT

VOLUNTARY REMEDIATION PROGRAM

LEGION INDUSTRIES, INC.
370 MILLS ROAD
WAYNESBORO, BURKE COUNTY, GEORGIA
HSI SITE NO. 10614

Prepared for Submission to:
Georgia Environmental Protection Division
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Prepared by:

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July 23, 2014

AMEC Project No. 6121-09-0444

July 23, 2014

Mr. Jonathan Callura
Environmental Protection Division
Hazardous Site Response Program
Floyd Tower East, Suite 1066
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Atlanta, Georgia 30334

Subject: **4th VRP Semi-Annual Progress Report**
Legion Industries, Inc.
Waynesboro, Burke County, Georgia
HSI Site No. 10614
AMEC Project No. 6121-09-0444

Dear Mr. Callura:

On behalf of Legion Industries, Inc. (Legion), AMEC Environment & Infrastructure, Inc. (AMEC) respectfully submits this Semi-Annual Progress Report as required under the Georgia Voluntary Remediation Program to the Georgia Department of Natural Resources Environmental Protection Division (EPD). This report is intended for the use of Legion Industries, Inc. and for regulatory submittal, subject to the contractual terms agreed to for this project. Use of this report for purposes beyond those reasonably intended by Legion Industries, Inc. and AMEC will be at the sole risk of the user.

If you have any questions and/or comments regarding the material presented in this report, please contact Steve Foley or Chuck Ferry at (404) 873-4761 or by email at steve.foley@amec.com or chuck.ferry@amec.com.

Sincerely,

AMEC ENVIRONMENT & INFRASTRUCTURE, INC.

Stephen R. Foley, P.G.
Senior Geologist

Charles T. Ferry, P.E.
Senior Principal Engineer

cc: Mr. Charles A. Brown, Legion Industries, Inc.

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1.0 PROJECT SUMMARY

The site is located within Burke County tax parcel 073 022, addressed at 370 Mills Road Waynesboro, Georgia and is listed on the Hazardous Site Inventory (HSI) as Site No. 10614. The Site covers a total of 10.54 acres and is developed with a single industrial building which covers approximately 75,000 square feet. The remainder of the site consists of small outbuildings, a gravel parking area and undeveloped grassed areas.

The site was first developed in the 1950s as a manufacturer of agricultural pesticides. In 1971, the facility was converted to the manufacture of commercial grade kitchen ware. This operation continues at the facility.

The EPD listed the site on the HSI due to the detection of a variety of volatile organic compounds (VOCs) in soil and groundwater. Subsequent assessments also identified pesticide compounds in soil and groundwater. The VOCs and pesticides constitute the constituents of concern (COCs) at this site.

The regulated substances identified in groundwater at the site include: 1,1-dichloroethane, 1,1,2-trichloroethane, 1,1-dichloroethene, 1,2,4-trichlorobenzene, 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, benzene, chlorobenzene, cis-1,2-dichlorobenzene, isopropylbenzene, methylene chloride, naphthalene, tetrachloroethene, trans-1,2-dichloroethene, trichloroethene, vinyl chloride, xylenes, 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, alpha-BHC, alpha chlordane, beta-BHC, delta-BHC, dieldrin, endrin, endrin ketone, gamma-BHC, gamma-chlordane and toxaphene.

Three areas of the site were identified where regulated constituents were detected in soil in excess of non-residential risk reduction standards (RRS). One such area was located inside the building, surrounding a former degreaser pit previously used in the 1970s. This area had previously been used as an outdoor pesticide storage area prior to occupancy of the site by Legion and its expansion of the building. Both VOCs and pesticides were detected in soil above the applicable risk reduction standards (RRS) in this area. The other two impacted areas were located just south of the building. Although previous testing in this area identified low concentrations of various VOCs and pesticides, only trichloroethene was detected above the applicable RRS in two borings (SS-8 and SS-12).

AMEC prepared a Voluntary Remediation Program (VRP) application for the Legion Industries Plant site that was approved by the Georgia Environmental Protection Division (EPD) in a letter dated July 25, 2012. The 1st Semi-Annual VRP Progress Report was submitted on January 25, 2013 and presented additional soil analyses performed during the period.

The voluntary remediation and investigation plan (VIRP) proposed the remediation of impacted soil on site during the second semi-annual period. Based on the nature of the contaminants, the limited volume of soil in the impacted areas and the availability of access, AMEC recommended remediation of the contaminated soils by excavation and disposal at an off-site facility. EPD approved the proposed scope of work and recommended that after excavation to the water table, a chemical oxidant amendment should be added at the base of the excavation before backfilling to aid in the in-situ oxidation of regulated constituents within the uppermost portion of the saturated zone. The soil removal activities were completed as proposed, including the oxidant amendment to the excavation, as described in the 2nd Semi-Annual VRP Progress Report dated July 25, 2013. Further soil remediation is not needed for the continued industrial use of the property. The 3rd Semi-Annual VRP Progress Report included the results of a groundwater monitoring event and was submitted to EPD on January 31, 2014.

The VIRP proposed additional groundwater assessment and characterization following completion of soil remediation. This report documents efforts during the fourth semi-annual period.

2.0 ADDITIONAL ASSESSMENT ACTIVITIES

The additional assessment activities completed during this fourth period included the installation of six new monitoring wells, a semi-annual groundwater monitoring event and an update of the preliminary groundwater fate and transport model. Note that the groundwater modeling is an ongoing process and will continue to be refined in upcoming monitoring events.

2.1 MONITORING WELL INSTALLATION

At the request of EPD, six new groundwater monitoring wells were installed on site at locations specified by EPD. The new wells requested by EPD included a shallow and intermediate depth pair of wells (MW-14 and MW-15) located approximately 200 feet south of the building; a well (MW-16) located along the west side of the building, between PZ-6 and MW-9; a well (MW-17) located east of the building, between MW-12 and MW-10; an intermediate depth well (MW-18) located south of the building, between MW-4 and MW-13; and a well (MW-19) located inside the building, within the soil excavation area near the former degreaser pit.

Down-hole equipment was decontaminated prior to and between borings to minimize the potential for introduced or cross contamination. Investigation derived waste (IDW) generated during drilling activities was containerized in 55-gallon steel drums, labeled and characterized for disposal.

The borings were advanced at the proposed monitoring well locations using a Geoprobe rig equipped with hollow-stem augering capability. A Geoprobe boring was installed at each location for the continuous collection of soil samples for classification and aquifer description purposes and to confirm the depth to groundwater and the screened interval to be employed in the intermediate depth wells. Four samples were also selected to be tested for total organic carbon.

The shallow monitoring well borings were advanced to a depth of approximately 5-feet below the water table at time of boring, using a hollow-stem auger. Intermediate monitoring well borings were advanced to depths of approximately 25 feet. Soils in the newly installed borings were observed to consist primarily of alternating layers of clayey sand and sandy clay. A shallow saturated zone was observed beginning at a depth approximately three feet below grade in the areas of the shallow wells, MW-14, MW-16 and MW-19. There were no indications

of groundwater in the upper soils in MW-17 so this boring was extended to approximately 25 feet in depth to allow for the installation of this well.

The monitoring wells were installed in the boreholes in general accordance with the USEPA Region 4 SESD Guidance for Design and Installation of Monitoring Wells (SESDGUID-101-R1; January 2013). The wells were constructed using 2-inch diameter Schedule 40 PVC riser and 5-foot long, 2-inch diameter PVC well screen. Bagged quartz sand was placed around the well screen and sealed from above with a layer of hydrated bentonite chips. The remainder of the borehole annulus was grouted to the surface and the exterior wells were completed with stick-up steel protective covers and 2-foot by 2-foot concrete pads. The interior well (MW-19) was completed with a flush-mount cover installed level with the floor slab of the building.

The monitoring wells were developed at least 24 hours following installation by pumping using a peristaltic pump and Teflon-lined tubing. The pump intake was periodically raised and lowered to develop the entire portion of the submerged screen. The water quality parameters, including pH, temperature, turbidity, specific conductivity, oxidation/reduction potential (ORP), and dissolved oxygen (DO) were monitored during well development and recorded at periodic intervals. The wells were considered adequately developed when the following conditions had been met:

- Water quality parameters had stabilized;
- At least five well volumes of water had been removed; and
- Turbidity was below 10 NTU.

Well development records are included in Appendix B. The newly installed wells were sampled immediately upon completion of well development.

2.2 MONITORING WELL REPAIR

During the December 2013 sampling event, it was noted that two monitoring wells (MW-4 and MW-6) and one piezometer (PZ-2) had been damaged. The extent of damage to MW-4 prevented the sampling of that well at that time. As proposed in the January 2014 Progress Report, in conjunction with the installation of the new wells, AMEC repaired the damaged wells. The repairs included replacing the well cover and upper portion of the well casing of MW-4, repairing the upper casing and installing a well cover on PZ-2 and repairing the well cover for MW-6.

Following well installation and repair activities, a level survey of the newly installed wells and repaired wells was conducted to establish the elevations of the top of each well casing and tie them into the existing monitoring well network. The well construction and elevation data is summarized in Table 2.

2.3 GROUNDWATER SAMPLING AND ANALYSIS

The approved VIRP included the sampling of groundwater from each existing monitoring well. Note that due to site-specific hydrogeology three well intervals have been identified on site. Wells MW-1, MW-3, MW-5, MW-6, MW-7, MW-8, MW-9, MW-10, MW-11, MW-13, MW-15, MW-16, and MW-19 are shallow, wells MW-2, MW-14, MW-17, MW-18, PZ-2, PZ-4, PZ-5, and PZ-6 are intermediate depth and MW-4 and MW-12 are deep.

Two wells (MW-7 and MW-8) had been installed off-site, across Davis Road to the west. These wells could not be located during the December 2013 sampling event. Since that time, MW-7 has been located and was included in the January 2014 and current sampling events. MW-8 could not be located and appears to have been destroyed. In addition, three of the previously sampled wells were not sampled during the December 2013 sampling event. Damage to MW-4 prevented its being sampled at that time. MW-4 was repaired and was included in the current sampling event. MW-10 and MW-11 were located east of the site along a narrow strip of land currently owned by the Burke County Development Authority. These wells had been obscured by heavy overgrowth and could not be located during the previous sampling event. Both of these wells have since been located and were included in the current sampling event.

A total of nineteen wells were sampled during the current sampling event, including: MW-1, MW-2, MW-3, MW-4, MW-5, MW-6, MW-7, MW-9, MW-10, MW-11, MW-12, MW-13, MW-14, MW-15, MW-16, MW-17, MW-18, MW-19 and PZ-2. Prior to sampling, each previously existing well was purged to remove stagnant water and allow representative formation water to enter the well. The wells were purged using a peristaltic pump and Teflon lined tubing. Water quality parameters were measured during well purging and are summarized on the attached field data sheets in Appendix B. Well purging typically continued until the water quality parameters stabilized, turbidity was below 10 NTU and at least three well volumes of water had been removed. We note that MW-5, MW-6 and MW-10 went dry prior to three volumes of water being removed. These wells were sampled as soon as groundwater recovery was sufficient to allow sampling. Samples were collected in containers provided by the laboratory, packed on ice

and maintained under chain-of-custody control from the time they were collected until they were released to the laboratory. The samples were submitted to Pace Analytical Services, Inc. for testing.

2.4 GROUNDWATER ANALYSIS

All water samples were analyzed for VOCs using EPA Method 8260B and pesticides using EPA Method 8081A. The results of the monitoring event are summarized on the attached Table 1 and on Figure 2, which include previous groundwater testing data obtained on site. Table 1 also lists the previously approved risk reduction standards (RRS) for each constituent for comparison. Complete laboratory analysis reports for this monitoring event can be found in Appendix A.

The laboratory results obtained during the current event indicated decreases in VOC concentrations in groundwater in the assumed source area immediately south of the building, near the impacted soil area that was excavated and treated with an oxidant amendment in 2013. Notably, trichloroethene (TCE) concentrations have steadily decreased in MW-13 from 8,200 µg/L in 2009 to 2,710 µg/L in 2014 and in PZ-2 from 57,000 µg/L to 10,300 µg/L over the same time period. Decreases of similar proportion were noted for nearly all VOCs in these two wells although the concentrations of the non-TCE constituents tended to be significantly lower compared to TCE levels in each well.

New well MW-19 was installed in another assumed source area at the former degreaser pit. Although historical groundwater analytical results are not available, chlorinated VOC concentrations in MW-19 were significantly lower than other wells located in the source area immediately to the south. Of the other new wells installed, MW-16, MW-17 and MW-18 exhibited groundwater impacts above RRS for various chlorinated VOCs, including trichloroethene, cis-1,2-dichloroethene or vinyl chloride. Benzene was also detected in MW-16 at 10 µg/L, just above its RRS of 8.8 µg/L.

VOC concentrations in MW-1 were higher than in the previous sampling event, although they were relatively consistent with data collected in 2009. VOC concentrations in MW-7 were slightly higher than in December 2013, but still significantly lower than those observed in 2002. Two VOCs (TCE and cis-1,2-DCE) were detected in MW-6 owing to a lower detection limit

reported by the laboratory during this sampling event. The concentrations detected were significantly lower than those detected in 2009 and are below the applicable RRS. Only very low concentrations of chloroform and cis-1,2-DCE were detected in MW-14 and MW-15, south of the building. These concentrations were well below the RRS.

VOCs were not detected in MW-5, MW-9 or MW-10 and VOCs were below applicable RRS in MW-3, MW-6, MW-11, MW-14 and MW-15.

Pesticide concentrations in groundwater remained relatively consistent with 2013 testing results with some constituent concentrations higher and others lower than during the previous event. MW-2 exhibited higher concentrations for some pesticides and lower concentrations for others. Pesticide concentrations were generally higher in MW-1, MW-11, MW-12 and lower in MW-6, MW-9 and MW-13. Toxaphene, which was detected for the first time in MW-6 in December 2013, was not detected during the current sampling event.

Pesticides were below detection limits in MW-3, MW-4, MW-5, MW-6, MW-7, MW-10, MW-14 and MW-15 during the current sampling event. Pesticides were detected but did not exceed applicable RRS in MW-1, MW-19 and MW-12. One or more pesticides were detected in excess of applicable RRS in MW-2, MW-11, MW-13, MW-16, MW-17, MW-18 and MW-19.

2.5 WATER TABLE MEASUREMENTS

Recent water level measurements have been compared to the previous comprehensive monitoring event in 2009. In general, water levels within the shallow wells and the deep wells have dropped slightly while water levels in the intermediate wells and piezometers have risen approximately two to three feet. The changes in the water surface elevations have been relatively consistent over the site and have not resulted in significant changes to the groundwater flow direction across the site in either the shallow or intermediate depths as illustrated on Figures 3 and 4.

2.6 CONTAMINANT FATE AND TRANSPORT MODELING

In order to begin to evaluate the risk that regulated constituents in groundwater could impact a potential receptor within 1,000 feet of the downgradient extent of the plume and to estimate the time required to achieve compliance with applicable RRS, AMEC utilized the BIOCHLOR software to prepare a preliminary model of the fate and transport of the VOCs in groundwater on

site. Because pesticides are less mobile in the subsurface environment and more localized on site than the VOCs, they were not modeled during this effort. Pesticides typically have a tendency to adsorb to soil particles, limiting their migration potential.

BIOCHLOR utilizes a combination of site specific data and literature values to determine the various physical properties of the plume and the migration potential of chlorinated VOC constituents. The purpose of the modeling is to predict the migration pattern of a chlorinated solvent plume where no engineering controls have been implemented and monitored natural attenuation (MNA) is the groundwater remedial option. AMEC ran the BIOCHLOR model for a release of chlorinated solvents as these constituents are what the program is designed to address and because CVOCs also represent the most mobile components of the VOC plume.

The initial release of CVOCs to groundwater was assumed to have been initiated as early as 40 years ago when the kitchen ware manufacturing operation began in the 1970s, but the time frame may change based on future data and model updates. CVOCs are no longer utilized on site and soils impacted above applicable RRS in the source areas have been removed. As such, the release from this time forward is considered to be from a decaying source.

We note that the information submitted herein constitutes a preliminary estimate of groundwater plume migration and degradation. Additional monitoring wells were installed during the current period and, coupled with future monitoring data, will be used to further refine, calibrate and verify the model. For modeling purposes, MW-13 has been assumed to represent the source location for the shallow aquifer and PZ-2 the source location for the intermediate depth aquifer. In each case the highest historic concentrations were utilized as the initial contaminant concentrations.

The model was developed by inputting measured parameters such as hydraulic conductivity, hydraulic gradient, soil organic carbon content, and groundwater VOC concentrations within the source area. Four soil samples collected from various depths were tested for total organic carbon content. The results ranged from non-detect at 706 mg/kg to 2,100 mg/kg with the shallowest samples exhibiting the highest carbon content and the deeper samples, the lowest. As such, a value of 2,100 mg/kg was utilized as a representative soil organic carbon content in the shallow aquifer and 720 mg/kg was utilized in the intermediate depth aquifer. Typical literature values for dispersion and biotransformation rates were inputs to the model and were adjusted until the constituent distribution curves reasonably matched the groundwater

conditions measured at the downgradient well locations (specifically, all CVOCs below detection limits in MW-9 and current concentrations in MW-2, MW-3, MW-16 and MW-17). Those same input parameters were then utilized in longer duration models to predict concentrations of CVOC constituents over time.

As illustrated on the attached outputs from the BIOCHLOR model, the model predicts that after approximately 40 years (i.e. now) groundwater emanating from the MW-13 and PZ-2 locations closely match conditions currently observed in downgradient wells. A 60-year model run was utilized. The results of the modeling indicate that the downgradient extent of the shallow plume should not leave the Legion property at concentrations in excess of applicable RRS. The intermediate depth plume may slightly exceed the RRS for vinyl chloride at the eastern property boundary but should not exceed the RRS at a distance of greater than 500 feet from the source area. Model inputs will continue to be adjusted and predictions refined regarding future migration and potential for impact to downgradient receptors with the acquisition of new data during subsequent monitoring events.

3.0 ADJACENT PROPERTY ACCESS

Legion is aware that access to adjacent properties affected by the groundwater contaminant plume may be necessary to complete the aquifer characterization. As discussed in the previous Progress Report, Helena Chemical Company (Helena) issued a letter dated December 9, 2013 refusing access to its property. Based on the recent results, access to the Helena property may no longer be necessary. Mr. Brown of Legion will initiate verbal and written contact with representatives of Synergy Group, LLC (formerly Sunbeam Outdoor Products) if an additional well on their property is necessary to complete the aquifer characterization.

The Waynesboro By-Pass, located within a 200-foot wide right-of-way, borders the site to the north, beyond which is a large tract of undeveloped property owned by Hawkins Gregory and the Cox Joint Trust. The preliminary groundwater fate and transport model indicates that groundwater impacts will not migrate off site to the north, so access to this property may not be necessary.

4.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the results of the recent assessment and monitoring activities, we offer the following conclusions and recommendations.

- Six new monitoring wells were installed on site during the current monitoring period. The testing results from these new wells identified VOC and pesticide impacts above applicable RRS in MW-18 and MW-19, located within the assumed source area and MW-16 and MW-17, located downgradient of the assumed source area. Very low VOC impacts, well below applicable RRS, were detected in MW-14 and MW-15, located south of the assumed source area.

- Groundwater monitoring results from previous monitoring events indicate concentrations of VOCs in PZ-2 and MW-13, the wells closest to the assumed source area, have decreased steadily and significantly since the 2009 sampling event. Proportionally similar decreases in VOC concentrations have also been observed in MW-2, MW-6, MW-7 and MW-10 although the previous VOC concentrations in these wells were much lower than in the source area. Based on the prevalence of TCE degradation products (DCE and vinyl chloride), it appears that reductive dechlorination of the TCE plume is occurring.

- VOC concentrations along the western property boundary and across Davis Road have decreased significantly relative to 2002 data. Concentrations of several VOCs in MW-1 have fluctuated significantly and have returned to levels comparable to those observed in 2009.

- VOCs had not been previously detected in the two wells located farthest downgradient, north of the source area (MW-3 and MW-9). A lowered detection limit resulted in the detection of TCE at a concentration of 1.2 µg/L in MW-3, well below the RRS.

- Pesticide concentrations have remained generally consistent with those observed in 2009, either rising or falling only slightly. Due to the nature of pesticides in the subsurface, significant migration or degradation are not expected in the short term.

However, the removal of source area impacted soils is predicted to have a long-term beneficial effect on the groundwater condition.

- Based on the data obtained to date and the preliminary groundwater fate and transport modeling results, migration of the shallow or intermediate depth plumes beyond 1,000 feet from the current plume limits is not expected to occur. Migration of VOCs to Brier Creek, which is located approximately 2.3 miles north the site, is not expected to result in an exceedance of Georgia In-stream Water Quality Standards for the COCs in the future. These predictions will continue to be updated with future analytical data from the expanded monitoring well network.

- COC concentrations in well MW-7 have fluctuated and are slightly higher than observed in December 2013. Based on recent data, MW-7 may be able to serve as a delineation well. Groundwater conditions in MW-7 will continue to be monitored during upcoming monitoring events to evaluate if a well is necessary on this property in light of the fact that Helena has refused access and the groundwater is compliant with applicable RRS in this area.

5.0 NEXT SUBMITTAL

As required by EPD, semi-annual progress reports must be submitted to EPD every January 25th and July 25th throughout the duration of the project. A report for the fifth semi-annual period will be submitted by January 25, 2014 and will include the following activities:

- Semi-annual groundwater monitoring over the fifth period will be continued. These results will be incorporated, along with the new monitoring data into an updated fate and transport model which will be included in the next Semi-Annual Progress Report to be submitted in January 2015.

GROUNDWATER SCIENTIST STATEMENT

I certify that I am a qualified groundwater scientist who has received a baccalaureate or post-graduate degree in the natural sciences or engineering, and have sufficient training and experience in groundwater hydrology and related fields, as demonstrated by state registration and completion of accredited university courses, that enable me to make sound professional judgments regarding groundwater monitoring and contaminant fate and transport. I further certify that this report was prepared in conjunction with others working my direction.

Mr. Stephen R. Foley, P.G.
Georgia Registration No. 1057

STEPHEN ROBERT FOLEY
No. 001057
GEORGIA REGISTERED PROFESSIONAL GEOLOGIST

TABLES

Table 1 - Cumulative Summary of Groundwater Testing Results

Constituent	Risk Reduction Standards		MW-1						MW-2					MW-3						MW-4				
Date	Type 3	Type 4	4/25/2001	8/3/2001	2/19/2002	12/11/2009	12/31/2013	6/16/2014	11/29/2001	2/19/2002	12/11/2009	12/30/2013	6/16/2014	4/25/2001	12/13/2001	2/19/2002	12/11/2009	12/30/2013	6/16/2014	2/19/2002	3/11/2009	12/10/2009	12/30/2013	6/18/2014
VOCs, ug/L																								
1,1-Dichloroethane	4,000	46	NT	NT	NT	<5.0	<5.0	<1.0	NT	NT	<5.0	<5.0	<1.0	NT	NT	NT	<5.0	<5.0	<1.0	NT	<5.0	<5.0	NS	<1.0
1,1-Dichloroethene	7	523	NT	NT	<5.0	<5.0	<5.0	**2.2**	<20	<10	<5.0	<5.0	<1.0	NT	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0	NS	<1.0
1,2-Dichlorobenzene	600	548	NT	NT	NT	<5.0	<5.0	<1.0	NT	NT	<5.0	<5.0	<1.0	NT	NT	NT	<5.0	<5.0	<1.0	NT	<5.0	<5.0	NS	<1.0
1,3-Dichlorobenzene	600	548	NT	NT	NT	<5.0	<5.0	<1.0	NT	NT	<5.0	<5.0	<1.0	NT	NT	NT	<5.0	<5.0	<1.0	NT	<5.0	<5.0	NS	<1.0
1,4-Dichlorobenzene	70	519	NT	NT	NT	<5.0	<5.0	**1.2**	NT	NT	<5.0	<5.0	**3.0**	NT	NT	NT	<5.0	<5.0	<1.0	NT	<5.0	<5.0	NS	<1.0
1,2,4-Trichlorobenzene	70	5.79	NT	NT	NT	<5.0	<5.0	<1.0	NT	NT	<5.0	<5.0	<1.0	NT	NT	NT	<5.0	<5.0	<1.0	NT	<5.0	<5.0	NS	<1.0
1,1,2-Trichloroethane	5	4.6	NT	NT	NT	<5.0	<5.0	<5.0	NT	NT	<5.0	<5.0	<1.0	NT	NT	NT	<5.0	<5.0	<1.0	NT	NT	<5.0	NS	<1.0
Benzene	5	8.8	NT	NT	NT	<5.0	<5.0	<1.0	NT	NT	<5.0	<5.0	**3.9**	NT	NT	NT	<5.0	<5.0	<1.0	NT	<5.0	<5.0	NS	<1.0
Chlorobenzene	100	130	NT	NT	NT	<5.0	<5.0	**1.4**	NT	NT	**10**	**8.6**	**11.8**	NT	NT	NT	<5.0	<5.0	<1.0	NT	NT	<5.0	NS	<1.0
Chloroform	80	3	NT	NT	NT	<5.0	<5.0	<1.0	NT	NT	<5.0	<5.0	<5.0	NT	NT	NT	<5.0	<5.0	<1.0	NT	NT	<5.0	NS	<1.0
Cis-1,2-Dichloroethene	70	200	NT	NT	**180**	**820**	**145**	**902**	**480**	**270**	**430**	**101**	**160**	NT	<5.0	<5.0	<5.0	<5.0	<1.0	**15**	<5.0	<5.0	NS	**5.1**
Ethylbenzene	700	29	NT	NT	NT	<5.0	<5.0	<1.0	NT	NT	<5.0	<5.0	**2.5**	NT	NT	NT	<5.0	<5.0	<1.0	NT	<5.0	<5.0	NS	<1.0
Isopropylbenzene	5	1,000	NT	NT	NT	<5.0	<5.0	<1.0	NT	NT	<5.0	<5.0	<1.0	NT	NT	NT	<5.0	<5.0	<1.0	NT	<5.0	<5.0	NS	<1.0
Methylene Chloride	5	0.122	NT	NT	NT	<5.0	<5.0	<2.0	NT	NT	<5.0	<5.0	**<2.0**	NT	NT	NT	<5.0	<5.0	<2.0	NT	<5.0	<5.0	NS	<2.0
Naphthalene	20	2.4	NT	NT	NT	<5.0	<5.0	<1.0	NT	NT	<5.0	<5.0	**10.5**	NT	NT	NT	<5.0	<5.0	<1.0	NT	<5.0	<5.0	NS	<1.0
Tetrachloroethene	5	98	NT	NT	NT	<5.0	<5.0	**1.2**	NT	NT	<5.0	<5.0	<1.0	NT	NT	NT	<5.0	<5.0	<1.0	NT	NT	<5.0	NS	<1.0
Toluene	1000	5200	NT	NT	NT	<5.0	<5.0	<1.0	NT	NT	<5.0	<5.0	<1.0	NT	NT	NT	<5.0	<5.0	<1.0	NT	NT	<5.0	NS	<1.0
Trans-1,2-Dichloroethene	100	160	NT	NT	<5.0	<5.0	<5.0	**2.9**	<20	<10	<5.0	<5.0	**1.1**	NT	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0	NS	<1.0
Trichloroethene	5	38	**350**	**180**	**140**	**860**	**193**	**788**	**25**	**14**	**5.6**	<5.0	**2.1**	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	**11**	<5.0	<5.0	NS	**7.8**
Vinyl Chloride	2	3.3	NT	NT	<10	**5**	<5.0	**160**	<40	<20	**350**	**107**	**159**	NT	<10	<10	<2.0	<2.0	<1.0	<10	<10	<2.0	NS	<1.0
Xylenes	10,000	290	NT	NT	NT	<5.0	<5.0	<1.0	NT	NT	**18**	<10	**6.1**	NT	NT	NT	<5.0	<5.0	<2.0	NT	NT	<5.0	NS	<2.0
Pesticides, ug/L																								
4,4'-DDD	0.1	12	NT	NT	NT	<0.10	<0.05	<0.05	NT	NT	<0.10	<1.0	<1.0	NT	NT	NT	<0.10	<0.10	<0.05	NT	NT	<0.10	NS	<0.05
4,4'-DDE	0.1	84	NT	NT	NT	<0.10	<0.05	<0.05	NT	NT	<0.10	<1.0	<1.0	NT	NT	NT	<0.05	<0.05	<0.05	NT	NT	<0.05	NS	<0.05
4,4'-DDT	0.1	8.4	NT	NT	NT	<0.10	<0.05	<0.05	NT	NT	<0.10	<1.0	<1.0	NT	NT	NT	<0.05	<0.05	<0.05	NT	NT	<0.05	NS	<0.05
Alpha-BHC	0.05	0.45	NT	NT	NT	**0.052**	**<0.05**	<0.05	NT	NT	**2**	**6.4**	**5.3**	NT	NT	NT	<0.05	<0.05	<0.05	NT	NT	<0.05	NS	<0.05
Beta-BHC	0.05	1.6	NT	NT	NT	**0.073**	**0.057**	0.11	NT	NT	**0.49**	**1.5**	<1.0	NT	NT	NT	<0.05	<0.05	<0.05	NT	NT	<0.05	NS	<0.05
Delta-BHC	0.05	1.6	NT	NT	NT	<0.05	<0.05	<0.05	NT	NT	**1.8**	**8**	8.1	NT	NT	NT	<0.05	<0.05	<0.05	NT	NT	<0.05	NS	<0.05
Dieldrin	0.1	0.18	NT	NT	NT	<0.10	0.076	**0.12**	NT	NT	**0.5**	<1.0	**1.8**	NT	NT	NT	<0.10	<0.10	<0.05	NT	NT	<0.10	NS	<0.05
Endosulfan II	2	610	NT	NT	NT	<0.10	0.076	**<0.05**	NT	NT	<0.10	<0.10	<0.10	NT	NT	NT	<0.10	<0.10	<0.05	NT	NT	<0.10	NS	<0.05
Endrin	2	31	NT	NT	NT	<0.10	<0.05	<0.05	NT	NT	<0.10	<1.0	<1.0	NT	NT	NT	<0.10	<0.10	<0.05	NT	NT	<0.10	NS	<0.05
Endrin Ketone	0.1	ND	NT	NT	NT	**0.13**	**0.1**	**0.24**	NT	NT	**0.31**	<1.0	<1.0	NT	NT	NT	<0.10	<0.10	<0.05	NT	NT	<0.10	NS	<0.05
Gamma-BHC	0.2	2.6	NT	NT	NT	<0.05	<0.05	<0.05	NT	NT	**1.1**	**2.3**	**1.9**	NT	NT	NT	<0.05	<0.05	<0.05	NT	NT	<0.05	NS	<0.05
Chlordane	2	8.2	NT	NT	NT	<0.05	<0.2	<0.2	NT	NT	**2.22**	<4.0	<4.0	NT	NT	NT	<0.2	<0.2	<0.2	NT	NT	<0.05	NS	<0.2
Toxaphene	5	2.6	NT	NT	NT	<5.0	<0.2	<0.2	NT	NT	<5.0	<4.0	<4.0	NT	NT	NT	<0.2	<0.2	<0.2	NT	NT	<5.0	NS	<0.2
Chlorinated Herbicides			NT	NT	NT	BRL	NT	NT	NT	NT	BRL	NT	NT	NT	NT	NT	BRL	NT	NT	NT	NT	BRL	NS	NT

NT - Not Tested
ug/L - micrograms per liter (parts per billion)

Table 1 - Cumulative Summary of Groundwater Testing Results

Constituent	Risk Reduction Standards		MW-5				MW-6				MW-7						MW-8	MW-9				MW-10				
Date	Type 3	Type 4	2/19/2002	12/11/2009	12/30/2013	6/18/2014	2/19/2002	3/11/2002	12/11/2009	12/31/2013	2/19/2002	3/11/2002	12/11/2009	12/31/2013	Dup	6/18/2014	2/19/2002	2/19/2002	12/11/2009	12/30/2013	6/16/2014	2/19/2002	3/11/2002	1/28/2010	12/31/2013	6/19/014
VOCs, ug/L																										
1,1-Dichloroethane	4,000	46	NT	NT	<5.0	<1.0	NT	NT	<5.0	<5.0	NT	NT	NS	<5.0	<5.0	<1.0	<5.0	NT	<5.0	<5.0	<1.0	NT	NT	<5.0	NS	<1.0
1,1-Dichloroethene	7	523	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NS	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0	NS	<1.0
1,2-Dichlorobenzene	600	548	NT	NT	<5.0	<1.0	NT	NT	<5.0	<5.0	NT	NT	NS	<5.0	<5.0	<1.0	<5.0	NT	<5.0	<5.0	<1.0	NT	NT	<5.0	NS	<1.0
1,3-Dichlorobenzene	600	548	NT	NT	<5.0	<1.0	NT	NT	<5.0	<5.0	NT	NT	NS	<5.0	<5.0	<1.0	<5.0	NT	<5.0	<5.0	<1.0	NT	NT	<5.0	NS	<1.0
1,4-Dichlorobenzene	70	519	NT	NT	<5.0	<1.0	NT	NT	<5.0	<5.0	NT	NT	NS	<5.0	<5.0	<1.0	<5.0	NT	<5.0	<5.0	<1.0	NT	NT	<5.0	NS	<1.0
1,2,4-Trichlorobenzene	70	5.79	NT	NT	<5.0	<1.0	NT	NT	<5.0	<5.0	NT	NT	NS	<5.0	<5.0	<1.0	<5.0	NT	<5.0	<5.0	<1.0	NT	NT	<5.0	NS	<1.0
1,1,2-Trichloroethane	5	4.6	NT	<5.0	<5.0	<1.0	NT	NT	<5.0	<5.0	NT	NT	NS	<5.0	<5.0	<1.0	<5.0	NT	<5.0	<5.0	<1.0	NT	NT	<5.0	NS	<1.0
Benzene	5	8.8	NT	NT	<5.0	<1.0	NT	NT	<5.0	<5.0	NT	NT	NS	<5.0	<5.0	<1.0	<5.0	NT	<5.0	<5.0	<1.0	NT	NT	<5.0	NS	<1.0
Chlorobenzene	100	130	NT	<5.0	<5.0	<1.0	NT	NT	<5.0	<5.0	NT	NT	NS	<5.0	<5.0	<1.0	<5.0	NT	<5.0	<5.0	<1.0	NT	NT	<5.0	NS	<1.0
Chloroform	80	3	NT	<5.0	<5.0	<1.0	NT	NT	<5.0	<5.0	NT	NT	NS	<5.0	<5.0	<1.0	<5.0	NT	<5.0	<5.0	<1.0	NT	NT	<5.0	NS	<1.0
Cis-1,2-Dichloroethene	70	200	<5.0	<5.0	<5.0	<1.0	**10**	**6**	<5.0	<5.0	**130**	**110**	NS	**5.5**	**7.6**	**17.4**	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0	NS	<1.0
Ethylbenzene	700	29	NT	NT	<5.0	<1.0	NT	NT	<5.0	<5.0	NT	NT	NS	<5.0	<5.0	<1.0	<5.0	NT	<5.0	<5.0	<1.0	NT	NT	<5.0	NS	<1.0
Isopropylbenzene	5	1,000	NT	NT	<5.0	<1.0	NT	NT	<5.0	<5.0	NT	NT	NS	<5.0	<5.0	<1.0	<5.0	NT	<5.0	<5.0	<1.0	NT	NT	<5.0	NS	<1.0
Methylene Chloride	5	0.122	NT	NT	<5.0	<2.0	NT	NT	<5.0	<5.0	NT	NT	NS	<5.0	<5.0	<2.0	<5.0	NT	<5.0	<5.0	<2.0	NT	NT	<5.0	NS	<2.0
Naphthalene	20	2.4	NT	NT	<5.0	<1.0	NT	NT	<5.0	<5.0	NT	NT	NS	<5.0	<5.0	<1.0	<5.0	NT	<5.0	<5.0	<1.0	NT	NT	<5.0	NS	<1.0
Tetrachloroethene	5	98	NT	<5.0	<5.0	<1.0	NT	NT	<5.0	<5.0	NT	NT	NS	<5.0	<5.0	<1.0	<5.0	NT	<5.0	<5.0	<1.0	NT	NT	<5.0	NS	<1.0
Toluene	1000	5200	NT	<5.0	<5.0	<1.0	NT	NT	<5.0	<5.0	NT	NT	NS	<5.0	<5.0	<1.0	<5.0	NT	<5.0	<5.0	<1.0	NT	NT	<5.0	NS	<1.0
Trans-1,2-Dichloroethene	100	160	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0	<5.0	NT	<5.0	NS	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0	NS	<1.0
Trichloroethene	5	38	<5.0	<5.0	<5.0	<1.0	**17**	**11**	**14**	<5.0	**59**	66	NS	**7.1**	**8.7**	<1.0	<5.0	<5.0	<5.0	<5.0	<1.0	**16**	**11**	<5.0	NS	<1.0
Vinyl Chloride	2	3.3	<10	<2.0	<2.0	<1.0	<10	<10	<2.0	<2.0	NT	<10	NS	<5.0	<5.0	<1.0	<2.0	<10	<2.0	<2.0	<1.0	<10	<10	<2.0	NS	<1.0
Xylenes	10,000	290	NT	<5.0	<5.0	<2.0	NT	NT	<5.0	<5.0	NT	NT	NS	<5.0	<5.0	<2.0	<5.0	NT	<5.0	<5.0	<2.0	NT	NT	<5.0	NS	<2.0
Pesticides, ug/L																										
4,4'-DDD	0.1	12	NT	<0.10	<0.10	<0.05	NT	NT	<0.10	<0.10	NT	NT	NS	<0.10	<0.10	<0.05	<0.10	NT	**0.2**	**0.42**	**0.13**	NT	NT	<0.10	NS	<0.05
4,4'-DDE	0.1	84	NT	<0.05	<0.05	<0.05	NT	NT	<0.05	<0.05	NT	NT	NS	<0.05	<0.05	<0.05	NT	NT	**0.31**	**0.23**	**0.16**	NT	NT	<0.05	NS	<0.05
4,4'-DDT	0.1	8.4	NT	<0.05	<0.05	<0.05	NT	NT	<0.05	<0.05	NT	NT	NS	<0.05	<0.05	<0.05	NT	NT	<0.05	<0.05	<0.05	NT	NT	<0.10	NS	<0.05
Alpha-BHC	0.05	0.45	NT	<0.05	<0.05	<0.05	NT	NT	<0.05	<0.05	NT	NT	NS	<0.05	<0.05	<0.05	NT	NT	<0.05	<0.05	<0.05	NT	NT	<0.05	NS	<0.05
Beta-BHC	0.05	1.6	NT	<0.05	<0.05	<0.05	NT	NT	<0.05	<0.05	NT	NT	NS	<0.05	<0.05	<0.05	NT	NT	<0.05	<0.05	<0.05	NT	NT	<0.05	NS	<0.05
Delta-BHC	0.05	1.6	NT	<0.05	<0.05	<0.05	NT	NT	<0.05	<0.05	NT	NT	NS	<0.05	<0.05	<0.05	NT	NT	<0.05	<0.05	<0.05	NT	NT	<0.05	NS	<0.05
Dieldrin	0.1	0.18	NT	<0.10	<0.10	<0.05	NT	NT	<0.10	<0.10	NT	NT	NS	<0.10	<0.10	<0.05	NT	NT	<0.10	<0.10	<0.05	NT	NT	<0.10	NS	<0.05
Endosulfan II	2	610	NT	<0.10	<0.10	<0.05	NT	NT	<0.10	<0.10	NT	NT	NS	<0.10	<0.10	<0.05	NT	NT	<0.10	<0.10	<0.05	NT	NT	<0.10	NS	<0.05
Endrin	2	31	NT	<0.05	<0.05	<0.05	NT	NT	<0.05	<0.05	NT	NT	NS	<0.05	<0.05	<0.05	NT	NT	<0.05	<0.05	<0.05	NT	NT	<0.05	NS	<0.05
Endrin Ketone	0.1	ND	NT	<0.10	<0.10	<0.05	NT	NT	<0.10	<0.10	NT	NT	NS	<0.10	<0.10	<0.05	NT	NT	<0.10	<0.10	<0.05	NT	NT	<0.10	NS	<0.05
Gamma-BHC	0.2	2.6	NT	<0.05	<0.05	<0.05	NT	NT	<0.05	<0.05	NT	NT	NS	<0.05	<0.05	<0.05	NT	NT	<0.05	<0.05	<0.05	NT	NT	<0.05	NS	<0.05
Chlordane	2	8.2	NT	<0.05	<0.05	<0.2	NT	NT	<0.05	<0.05	NT	NT	NS	<0.05	<0.05	<0.2	NT	NT	<0.05	<0.05	<0.2	NT	NT	<0.05	NS	<0.2
Toxaphene	5	2.6	NT	<5.0	<0.2	<0.2	NT	NT	<5.0	**0.26**	NT	NT	NS	<0.05	<0.05	<0.2	NT	NT	<0.05	<0.05	<0.2	NT	NT	<5.0	NS	<0.2
Chlorinated Herbicides			NT	BRL	NT	NT	NT	NT	BRL	NT	NT	NT	NS	BRL	NT	NT	NT	NT	BRL	NT	NT	NT	NT	BRL	NS	NT

NT - Not Tested
ug/L - micrograms per liter (parts per billion)

Table 1 - Cumulative Summary of Groundwater Testing Results

Constituent	Risk Reduction Standards		MW-11				MW-12				MW-13			MW-14	MW-15	MW-16	MW-17	MW-18	MW-19	SW-1	SW-2
Date	Type 3	Type 4	2/19/2002	1/28/2010	12/31/2013	6/18/2014	1/28/2010	12/30/2010	6/18/2014	DUP	1/28/2010	12/30/2013	6/18/2014	6/19/2014	6/18/2014	6/18/2014	6/18/2014	6/19/2014	6/19/2014	12/11/2009	12/11/2009
VOCs, ug/L																					
1,1-Dichloroethane	4,000	46	NT	<5.0	NS	<1.0	<5.0	<5.0	<1.0	<1.0	**19**	**7.6**	<20	<1.0	<1.0	<5.0	<5.0	**4**	<1.0	<5.0	<5.0
1,1-Dichloroethene	7	523	<5.0	<5.0	NS	<1.0	<5.0	<5.0	<1.0	<1.0	**11**	**5.3**	<20	<1.0	<1.0	<5.0	<5.0	**1.7**	<1.0	<5.0	<5.0
1,2-Dichlorobenzene	600	548	NT	<5.0	NS	<1.0	<5.0	<5.0	<1.0	<1.0	**12**	**7.8**	<20	<1.0	<1.0	<5.0	<5.0	**3.2**	<1.0	<5.0	<5.0
1,3-Dichlorobenzene	600	548	NT	<5.0	NS	<1.0	<5.0	<5.0	<1.0	<1.0	<5.0	<5.0	<20	<1.0	<1.0	<5.0	<5.0	**1**	<1.0	<5.0	<5.0
1,4-Dichlorobenzene	70	519	NT	<5.0	NS	<1.0	<5.0	<5.0	<1.0	<1.0	**50**	**42.4**	**47**	<1.0	<1.0	**5.9**	<5.0	**11.5**	<1.0	<5.0	<5.0
1,2,4-Trichlorobenzene	70	5.79	NT	<5.0	NS	<1.0	<5.0	<5.0	<1.0	<1.0	**51**	**22**	**32**	<1.0	<1.0	<5.0	<5.0	**7.7**	<1.0	<5.0	<5.0
1,1,2-Trichloroethane	5	4.6	NT	<5.0	NS	<1.0	<5.0	<5.0	<1.0	<1.0	<5.0	<5.0	<20	<1.0	<1.0	<5.0	<5.0	**1.6**	<1.0	<5.0	<5.0
Benzene	5	8.8	NT	<5.0	NS	<1.0	<5.0	<5.0	<1.0	<1.0	<5.0	**14.6**	<20	<1.0	<1.0	**10**	<5.0	**4.1**	<1.0	<5.0	<5.0
Chlorobenzene	100	130	NT	<5.0	NS	<1.0	<5.0	<5.0	<1.0	<1.0	**65**	**44.7**	**48.1**	<1.0	<1.0	**45.3**	<5.0	**15.4**	<1.0	<5.0	<5.0
Chloroform	80	3	NT	<5.0	NS	<1.0	<5.0	<5.0	<1.0	<1.0	<5.0	<5.0	<20	<1.0	**1.1**	<5.0	<5.0	<1.0	<1.0	<5.0	<5.0
Cis-1,2-Dichloroethene	70	200	<5.0	<5.0	NS	<1.0	<5.0	<5.0	**2.1**	**2.4**	**2,900**	**1,260**	**1,120**	**1.67**	**1.1**	**1.4**	**803**	**2,530**	**127**	<5.0	<5.0
Ethylbenzene	700	29	NT	<5.0	NS	<1.0	<5.0	**8.3**	**12.4**	**13.2**	<5.0	<5.0	<20	<1.0	<1.0	**657**	<5.0	<1.0	**311**	<5.0	<5.0
Isopropylbenzene	5	1,000	NT	<5.0	NS	<1.0	<5.0	<5.0	<1.0	<1.0	**7.3**	**5.2**	<20	<1.0	<1.0	<5.0	<5.0	<1.0	<1.0	<5.0	<5.0
Methylene Chloride	5	0.122	NT	<5.0	NS	<2.0	<5.0	<5.0	<2.0	<2.0	**5.4**	<5.0	<40	<2.0	<2.0	<5.0	<5.0	**5.4**	<1.0	<5.0	<5.0
Naphthalene	20	2.4	NT	<5.0	NS	**1.0**	<5.0	<5.0	<1.0	<1.0	<5.0	<5.0	<20	<1.0	<1.0	**174**	**6.1**	**3.5**	**10**	<5.0	<5.0
Tetrachloroethene	5	98	NT	<5.0	NS	<1.0	<5.0	<5.0	<1.0	<1.0	**19**	**11.4**	<20	<1.0	<1.0	<5.0	<5.0	**3.5**	<1.0	<5.0	<5.0
Toluene	1000	5200	NT	<5.0	NS	<1.0	<5.0	<5.0	<1.0	<1.0	<5.0	<5.0	<20	<1.0	<1.0	**4.2**	<5.0	<1.0	**12.1**	<5.0	<5.0
Trans-1,2-Dichloroethene	100	160	<5.0	<5.0	NS	<1.0	<5.0	<5.0	<1.0	<1.0	**6.0**	**32.4**	<20	<1.0	<1.0	<5.0	<5.0	**3.6**	<5.0	<5.0	<5.0
Trichloroethene	5	38	<5.0	<5.0	NS	<1.0	<5.0	<5.0	<1.0	<1.0	**8,200**	**4,320**	**2,710**	<1.0	<1.0	<5.0	**926**	**3,220**	**62.3**	<5.0	<5.0
Vinyl Chloride	2	3.3	<10	<2.0	NS	<1.0	<2.0	<2.0	<1.0	<1.0	**3,300**	**933**	**657**	<1.0	<1.0	**46.9**	**33**	**181**	**5.1**	<2.0	<2.0
Xylenes	10,000	290	NT	<5.0	NS	<2.0	<5.0	<5.0	<2.0	<2.0	**9.8**	<10	<20	<2.0	<2.0	**928**	<10.0	**2.4**	**2,120**	<5.0	<5.0
Pesticides, ug/L																					
4,4'-DDD	0.1	12	NT	<0.10	NS	<0.5	<0.10	<0.05	<0.05	<0.05	**2.9**	**4.2**	**3.8**	<0.05	<0.05	<0.25	<0.10	<0.25	**4.9**	<0.10	<0.10
4,4'-DDE	0.1	84	NT	<0.10	NS	<0.5	<0.05	<0.05	<0.05	<0.05	<0.5	<1.0	**2.3**	<0.05	<0.05	<0.25	<0.10	<0.25	<1.0	<0.10	<0.10
4,4'-DDT	0.1	8.4	NT	**0.15**	NS	<0.5	<0.10	<0.05	<0.05	<0.05	**2.4**	**8.4**	**7.6**	<0.05	<0.05	<0.25	<0.10	<0.25	**1.6**	<0.10	<0.10
Alpha-BHC	0.05	0.45	NT	**0.33**	NS	**0.79**	**0.11**	**0.11**	<0.05	<0.05	<0.05	<1.0	<1.0	<0.05	<0.05	<0.25	**0.21**	**0.4**	<1.0	<0.05	<0.05
Beta-BHC	0.05	1.6	NT	**0.11**	NS	<0.5	<0.05	<0.05	<0.05	<0.05	**3.7**	**4.3**	**4.2**	<0.05	<0.05	**0.48**	**1.0**	**1.9**	**1.6**	<0.05	<0.05
Delta-BHC	0.05	1.6	NT	**0.35**	NS	**0.79**	**0.08**	**0.076**	**0.055**	**0.072**	**2.3**	**2.5**	**1.9**	<0.05	<0.05	**2.4**	**0.45**	**1.2**	**1.3**	<0.10	<0.10
Dieldrin	0.1	0.18	NT	**0.72**	NS	**1.3**	<0.10	<0.10	<0.10	<0.05	<0.05	<1.0	<1.0	<0.05	<0.05	<0.25	**0.22**	<0.25	**5.4**	<0.10	<0.10
Endosulfan II	2	610	NT	**0.4**	NS	<0.5	<0.10	<0.10	<0.10	<0.05	<0.05	<1.0	<1.0	<0.05	<0.05	<0.25	<0.10	<0.25	<1.0	<0.10	<0.10
Endrin	2	31	NT	<0.05	NS	<0.5	<0.05	<0.05	<0.05	<0.05	**7.3**	**8.0**	**6.0**	<0.05	<0.05	<0.25	**0.28**	**1.2**	**5.1**	<0.10	<0.10
Endrin Ketone	0.1	ND	NT	**2.3**	NS	**3**	<0.10	<0.10	<0.10	<0.05	**3.3**	**4.9**	**4.0**	<0.05	<0.05	<0.25	**0.26**	**1.8**	**4.4**	<0.10	<0.10
Gamma-BHC	0.2	2.6	NT	**0.22**	NS	<0.5	**0.25**	**0.29**	**0.13**	**0.16**	**2.0**	**1.8**	**1.5**	<0.05	<0.05	<0.25	<0.10	**1.1**	**1.2**	<0.05	<0.05
Chlordane	2	8.2	NT	<0.05	NS	<2.0	<0.05	<0.05	<0.05	<0.2	<0.05	<4.0	<4.0	<0.2	<0.2	<1.0	<0.4	<1.0	<4.0	<0.05	<0.05
Toxaphene	5	2.6	NT	<5.0	NS	<2.0	<5.0	<0.05	<0.05	<0.2	**44**	<4.0	<4.0	<0.2	<0.2	<1.0	<0.4	<1.0	<4.0	<5.0	<5.0
Chlorinated Herbicides			NT	BRL	NS	NT	BRL	BRL	NT	NT	BRL	NT	NT	NT	NT	BRL	NT	NT	NT	BRL	BRL

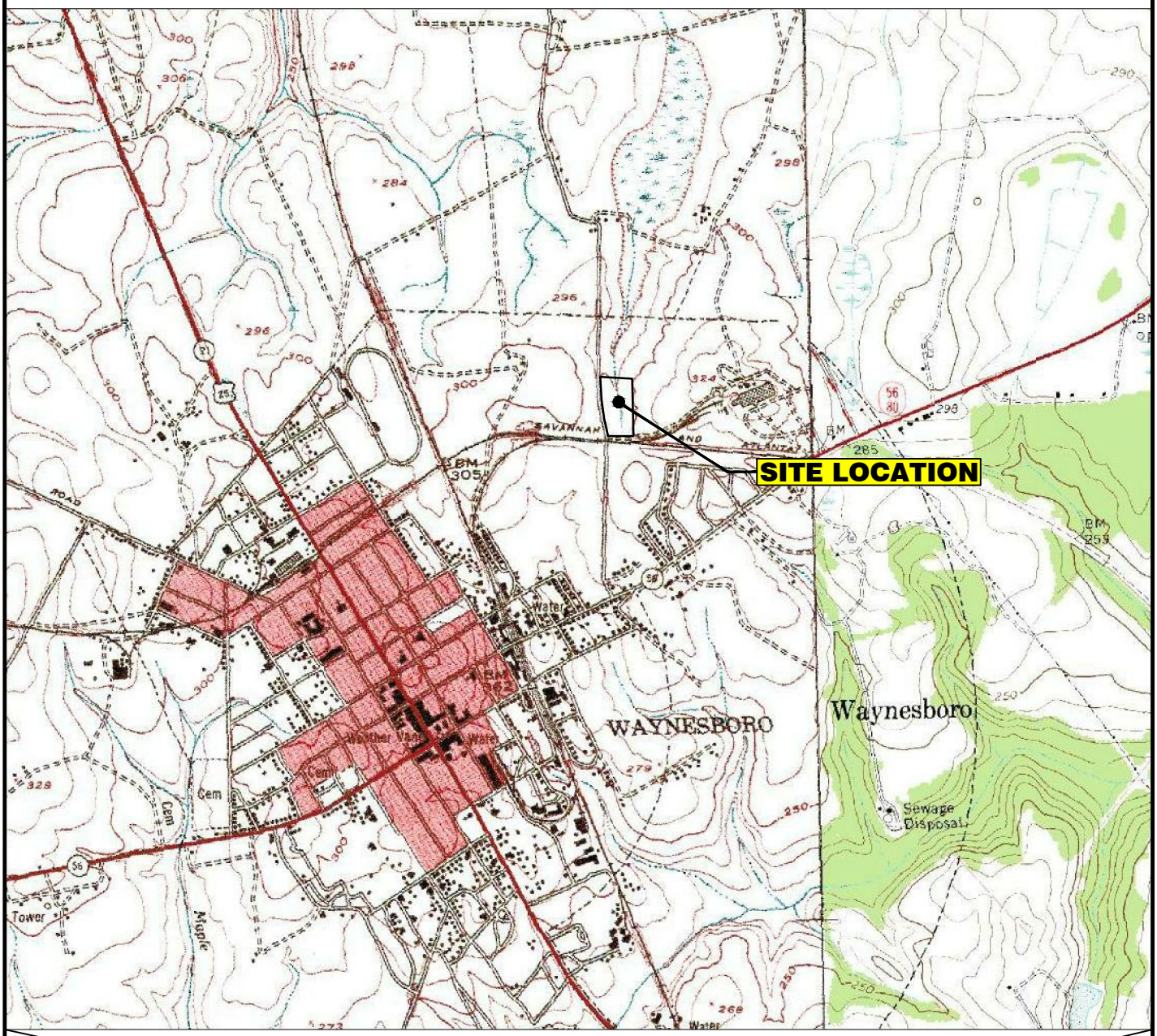
NT - Not Tested
ug/L - micrograms per liter (parts per billion)

Table 2 – Well Construction and Water Elevation Data

Well No.	Top of Casing Elevation, Ft.	Screened Interval, Ft.	Depth to Water, Ft.	Groundwater Elevation, Ft.
MW-1	297.51	3 - 8	5.08	292.43
MW-2 (I)	298.47	16 - 21	10.96	287.51
MW-3	294.85	7 - 12	7.62	287.23
MW-4 (deep)	298.33	56 - 66	28.32	270.01
MW-5	302.92	3 - 13	10.23	292.69
MW-6	299.16	3 - 13	7.29	291.87
MW-7	294.54	3 -13	2.25	292.29
MW-8 (destroyed)	NA	NA	NA	NA
MW-9	291.13	3 - 13	7.86	283.27
MW-10	301.04	15 – 25	8.70	292.34
MW-11	299.86	6 - 16	7.22	292.64
MW-12 (deep)	299.89	54 - 64	31.18	268.71
MW-13	298.64	3 - 13	5.88	292.76
MW-14 (I)	298.99	17 - 22	4.12	294.87
MW-15	298.79	3 - 8	6.48	292.31
MW-16	297.25	3 - 8	5.03	292.22
MW-17 (I)	297.83	20-25	13.73	284.10
MW-18 (I)	298.71	20-25	21.00	277.71
MW-19	297.12	5-10	5.15	291.97
PZ-2 (I)	298.82	30 – 35	4.02	294.80
PZ-4 (I)	292.60	19 - 24	5.62	286.98
PZ-5 (I)	293.54	17 – 22	5.16	288.38
PZ-6 (I)	295.06	17 - 22	3.32	291.74

(I) – Intermediate depth well screen

FIGURES



SCALE IN FEET

0 2000 4000

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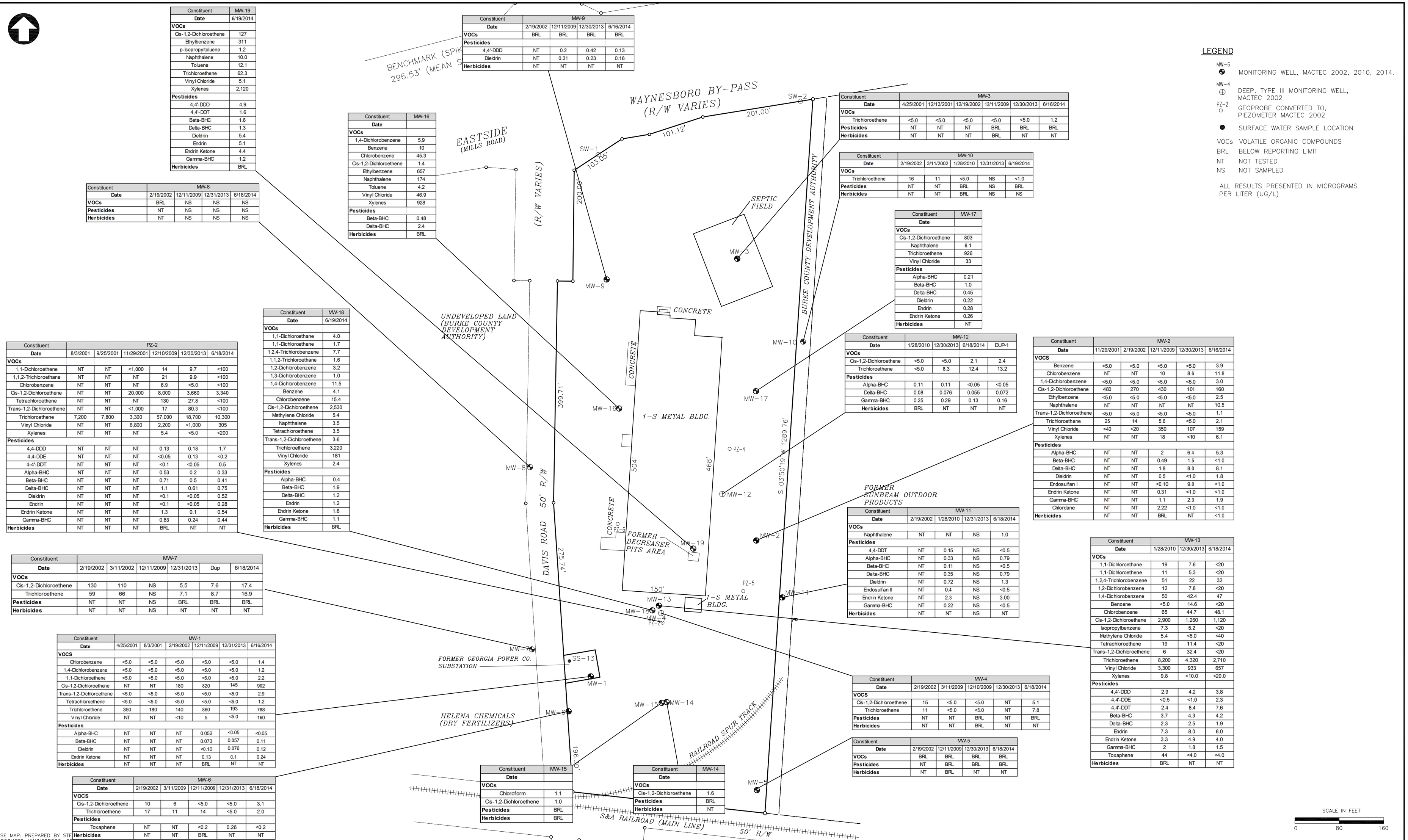
MACTEC
MACTEC Engineering and Consulting, Inc.
3200 TOWN POINT DRIVE, SUITE 100
KENNESAW, GEORGIA 30144 (770) 421-3400

SITE LOCATION / TOPOGRAPHIC MAP

JOB NO.6121-09-0444 FIGURE 1

PREPARED BY/DATE TG 3/24/2010
CHECKED BY/DATE SF 3/24/2010



Constituent	MW-19
Date	6/19/2014
VOCs	
Cis-1,2-Dichloroethene	127
Ethylbenzene	311
p-Isopropyltoluene	1.2
Naphthalene	10.0
Toluene	12.1
Trichloroethene	62.3
Vinyl Chloride	5.1
Xylenes	2,120
Pesticides	
4,4'-DDD	4.9
4,4'-DDT	1.6
Beta-BHC	1.6
Delta-BHC	1.3
Deldrin	5.4
Endrin	5.1
Endrin Ketone	4.4
Gamma-BHC	1.2
Herbicides	BRL

Constituent	MW-9			
Date	2/19/2002	12/11/2009	12/30/2013	6/16/2014
VOCs	BRL	BRL	BRL	BRL
Pesticides				
4,4'-DDD	NT	0.2	0.42	0.13
Dieldrin	NT	0.31	0.23	0.16
Herbicides	NT	NT	NT	NT

Constituent	MW-16
Date	
VOCs	
1,4-Dichlorobenzene	5.9
Benzene	10
Chlorobenzene	45.3
Cis-1,2-Dichloroethene	1.4
Ethylbenzene	657
Naphthalene	174
Toluene	4.2
Vinyl Chloride	46.9
Xylenes	928
Pesticides	
Beta-BHC	0.48
Delta-BHC	2.4
Herbicides	BRL

Constituent	MW-8			
Date	2/19/2002	12/11/2009	12/31/2013	6/18/2014
VOCs	BRL	NS	NS	NS
Pesticides	NT	NS	NS	NS
Herbicides	NT	NS	NS	NS

Constituent	MW-3					
Date	4/25/2001	12/13/2001	12/19/2002	12/11/2009	12/30/2013	6/16/2014
VOCs						
Trichloroethene	<5.0	<5.0	<5.0	<5.0	<5.0	1.2
Pesticides	NT	NT	NT	BRL	BRL	BRL
Herbicides	NT	NT	NT	BRL	NT	NT

Constituent	MW-10				
Date	2/19/2002	3/11/2002	1/28/2010	12/31/2013	6/19/2014
VOCs					
Trichloroethene	16	11	<5.0	NS	<1.0
Pesticides	NT	NT	BRL	NS	BRL
Herbicides	NT	NT	BRL	NS	NS

Constituent	MW-17
Date	
VOCs	
Cis-1,2-Dichloroethene	803
Naphthalene	6.1
Trichloroethene	926
Vinyl Chloride	33
Pesticides	
Alpha-BHC	0.21
Beta-BHC	1.0
Delta-BHC	0.45
Deldrin	0.22
Endrin	0.28
Endrin Ketone	0.26
Herbicides	NT

Constituent	MW-18
Date	6/19/2014
VOCs	
1,1-Dichloroethane	4.0
1,1-Dichloroethene	1.7
1,2,4-Trichlorobenzene	7.7
1,1,2-Trichloroethane	1.6
1,2-Dichlorobenzene	3.2
1,3-Dichlorobenzene	1.0
1,4-Dichlorobenzene	11.5
Benzene	4.1
Chlorobenzene	15.4
Cis-1,2-Dichloroethene	2,530
Methylene Chloride	5.4
Naphthalene	3.5
Tetrachloroethene	3.5
Trans-1,2-Dichloroethene	3.6
Trichloroethene	3,220
Vinyl Chloride	181
Xylenes	2.4
Pesticides	
Alpha-BHC	0.4
Beta-BHC	1.9
Delta-BHC	1.2
Endrin	1.2
Endrin Ketone	1.8
Gamma-BHC	1.1
Herbicides	BRL

Constituent	MW-12			
Date	1/28/2010	12/30/2013	6/18/2014	DUP-1
VOCs				
Cis-1,2-Dichloroethene	<5.0	<5.0	2.1	2.4
Trichloroethene	<5.0	8.3	12.4	13.2
Pesticides				
Alpha-BHC	0.11	0.11	<0.05	<0.05
Delta-BHC	0.08	0.076	0.055	0.072
Gamma-BHC	0.25	0.29	0.13	0.16
Herbicides	BRL	NT	NT	NT

Constituent	MW-2				
Date	11/29/2001	2/19/2002	12/11/2009	12/30/2013	6/16/2014
VOCS					
Benzene	<5.0	<5.0	<5.0	<5.0	3.9
Chlorobenzene	NT	NT	10	8.6	11.8
1,4-Dichlorobenzene	<5.0	<5.0	<5.0	<5.0	3.0
Cis-1,2-Dichloroethene	480	270	430	101	160
Ethylbenzene	<5.0	<5.0	<5.0	<5.0	2.5
Naphthalene	NT	NT	NT	NT	10.5
Trans-1,2-Dichloroethene	<5.0	<5.0	<5.0	<5.0	1.1
Trichloroethene	25	14	5.6	<5.0	2.1
Vinyl Chloride	<40	<20	350	107	159
Xylenes	NT	NT	18	<10	6.1
Pesticides					
Alpha-BHC	NT	NT	2	6.4	5.3
Beta-BHC	NT	NT	0.49	1.5	<1.0
Delta-BHC	NT	NT	1.8	8.0	8.1
Dieldrin	NT	NT	0.5	<1.0	1.8
Endosulfan I	NT	NT	<0.10	9.0	<1.0
Endrin Ketone	NT	NT	0.31	<1.0	<1.0
Gamma-BHC	NT	NT	1.1	2.3	1.9
Chlordane	NT	NT	2.22	<1.0	<1.0
Herbicides	NT	NT	BRL	NT	<1.0

Constituent	PZ-2					
Date	8/3/2001	9/25/2001	11/29/2001	12/10/2009	12/30/2013	6/18/2014
VOCs						
1,1-Dichloroethene	NT	NT	<1,000	14	9.7	<100
1,1,2-Trichloroethane	NT	NT	NT	21	9.9	<100
Chlorobenzene	NT	NT	NT	6.9	<5.0	<100
Cis-1,2-Dichloroethene	NT	NT	20,000	8,000	3,660	3,340
Tetrachloroethene	NT	NT	NT	130	27.8	<100
Trans-1,2-Dichloroethene	NT	NT	<1,000	17	80.3	<100
Trichloroethene	7,200	7,800	3,300	57,000	18,700	10,300
Vinyl Chloride	NT	NT	6,800	2,200	<1,000	305
Xylenes	NT	NT	NT	5.4	<5.0	<200
Pesticides						
4,4-DDD	NT	NT	NT	0.13	0.18	1.7
4,4-DDE	NT	NT	NT	<0.05	0.13	<0.2
4-4'-DDT	NT	NT	NT	<0.1	<0.05	0.5
Alpha-BHC	NT	NT	NT	0.53	0.2	0.33
Beta-BHC	NT	NT	NT	0.71	0.5	0.41
Delta-BHC	NT	NT	NT	1.1	0.61	0.75
Dieldrin	NT	NT	NT	<0.1	<0.05	0.52
Endrin	NT	NT	NT	<0.1	<0.05	0.28
Endrin Ketone	NT	NT	NT	1.3	0.1	0.54
Gamma-BHC	NT	NT	NT	0.83	0.24	0.44
Herbicides	NT	NT	NT	BRL	NT	NT

Constituent	MW-11			
Date	2/19/2002	1/28/2010	12/31/2013	6/18/2014
VOCs				
Naphthalene	NT	NT	NS	1.0
Pesticides				
4,4-DDT	NT	0.15	NS	<0.5
Alpha-BHC	NT	0.33	NS	0.79
Beta-BHC	NT	0.11	NS	<0.5
Delta-BHC	NT	0.35	NS	0.79
Dieldrin	NT	0.72	NS	1.3
Endosulfan II	NT	0.4	NS	<0.5
Endrin Ketone	NT	2.3	NS	3.00
Gamma-BHC	NT	0.22	NS	<0.5
Herbicides	NT	NT	NS	NT

Constituent	MW-13		
Date	1/28/2010	12/30/2013	6/18/2014
VOCs			
1,1-Dichloroethane	19	7.6	<20
1,1-Dichloroethene	11	5.3	<20
1,2,4-Trichlorobenzene	51	22	32
1,2-Dichlorobenzene	12	7.8	<20
1,4-Dichlorobenzene	50	42.4	47
Benzene	<5.0	14.6	<20
Chlorobenzene	65	44.7	48.1
Cis-1,2-Dichloroethene	2,900	1,260	1,120
Isopropylbenzene	7.3	5.2	<20
Methylene Chloride	5.4	<5.0	<40
Tetrachloroethene	19	11.4	<20
Trans-1,2-Dichloroethene	6	32.4	<20
Trichloroethene	8,200	4,320	2,710
Vinyl Chloride	3,300	933	657
Xylenes	9.8	<10.0	<20.0
Pesticides			
4,4'-DDD	2.9	4.2	3.8
4,4'-DDE	<0.5	<1.0	2.3
4,4'-DDT	2.4	8.4	7.6
Beta-BHC	3.7	4.3	4.2
Delta-BHC	2.3	2.5	1.9
Endrin	7.3	8.0	6.0
Endrin Ketone	3.3	4.9	4.0
Gamma-BHC	2	1.8	1.5
Toxaphene	44	<4.0	<4.0
Herbicides	BRL	NT	NT

Constituent	MW-7					
Date	2/19/2002	3/11/2002	12/11/2009	12/31/2013	Dup	6/18/2014
VOCs						
Cis-1,2-Dichloroethene	130	110	NS	5.5	7.6	17.4
Trichloroethene	59	66	NS	7.1	8.7	16.9
Pesticides	NT	NT	NS	BRL	BRL	BRL
Herbicides	NT	NT	NS	NT	NT	NT

Constituent	MW-4				
Date	2/19/2002	3/11/2009	12/10/2009	12/30/2013	6/18/2014
VOCS					
Cis-1,2-Dichloroethene	15	<5.0	<5.0	NT	5.1
Trichloroethene	11	<5.0	<5.0	NT	7.8
Pesticides	NT	NT	BRL	NT	BRL
Herbicides	NT	NT	BRL	NT	NT

Constituent	MW-1					
Date	4/25/2001	8/3/2001	2/19/2002	12/11/2009	12/31/2013	6/16/2014
VOCS						
Chlorobenzene	<5.0	<5.0	<5.0	<5.0	<5.0	1.4
1,4-Dichlorobenzene	<5.0	<5.0	<5.0	<5.0	<5.0	1.2
1,1-Dichloroethene	<5.0	<5.0	<5.0	<5.0	<5.0	2.2
Cis-1,2-Dichloroethene	NT	NT	180	820	145	902
Trans-1,2-Dichloroethene	<5.0	<5.0	<5.0	<5.0	<5.0	2.9
Tetrachloroethene	<5.0	<5.0	<5.0	<5.0	<5.0	1.2
Trichloroethene	350	180	140	860	193	788
Vinyl Chloride	NT	NT	<10	5	<5.0	160
Pesticides						
Alpha-BHC	NT	NT	NT	0.052	<0.05	<0.05
Beta-BHC	NT	NT	NT	0.073	0.057	0.11
Dieldrin	NT	NT	NT	<0.10	0.076	0.12
Endrin Ketone	NT	NT	NT	0.13	0.1	0.24
Herbicides	NT	NT	NT	BRL	NT	NT

Constituent	MW-5			
Date	2/19/2002	12/11/2009	12/30/2013	6/18/2014
VOCs	BRL	BRL	BRL	BRL
Pesticides	NT	BRL	BRL	BRL
Herbicides	NT	BRL	NT	NT

Constituent	MW-6				
Date	2/19/2002	3/11/2009	12/11/2009	12/31/2013	6/18/2014
VOCS					
Cis-1,2-Dichloroethene	10	6	<5.0	<5.0	3.1
Trichloroethene	17	11	14	<5.0	2.0
Pesticides					
Toxaphene	NT	NT	<0.2	0.26	<0.2
Herbicides	NT	NT	BRL	NT	NT

Constituent	MW-15
Date	
VOCs	
Chloroform	1.1
Cis-1,2-Dichloroethene	1.0
Pesticides	BRL
Herbicides	BRL

Constituent	MW-14
Date	
VOCs	
Cis-1,2-Dichloroethene	1.6
Pesticides	BRL
Herbicides	NT

LEGEND

MW-6 — MONITORING WELL, MACTEC 2002, 2010, 2014.

MW-4 — DEEP, TYPE III MONITORING WELL, MACTEC 2002

PZ-2 — GEOPROBE CONVERTED TO, PIEZOMETER MACTEC 2002

SURFACE WATER SAMPLE LOCATION

VOCs — VOLATILE ORGANIC COMPOUNDS

BRL — BELOW REPORTING LIMIT

NT — NOT TESTED

NS — NOT SAMPLED

ALL RESULTS PRESENTED IN MICROGRAMS PER LITER (UG/L)

SCALE IN FEET

0 80 160

BASE MAP: PREPARED BY STE ASSOCIATES; WAYNESBORO, GEORGIA

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REV	DATE	BY	SUB	APP	DESCRIPTION	REV	DATE	BY	SUB	APP	DESCRIPTION

DESIGNED S. FOLEY
DRAWN T. GLADSTONE
CHECKED S. FOLEY
IN CHARGE C. FERRY
DATE 7/7/2014

LEGION INDUSTRIES FACILITY

WAYNESBORO, GEORGIA

AMEC Environment & Infrastructure, Inc.
1075 BIG SHANTY ROAD, NW, SUITE 100
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CUMULATIVE SUMMARY OF GROUNDWATER TESTING RESULTS

SCALE: AS SHOWN

CONTRACT: 6121-09-0444

DWG. NO.: FIG 2

REV

PAGE NO

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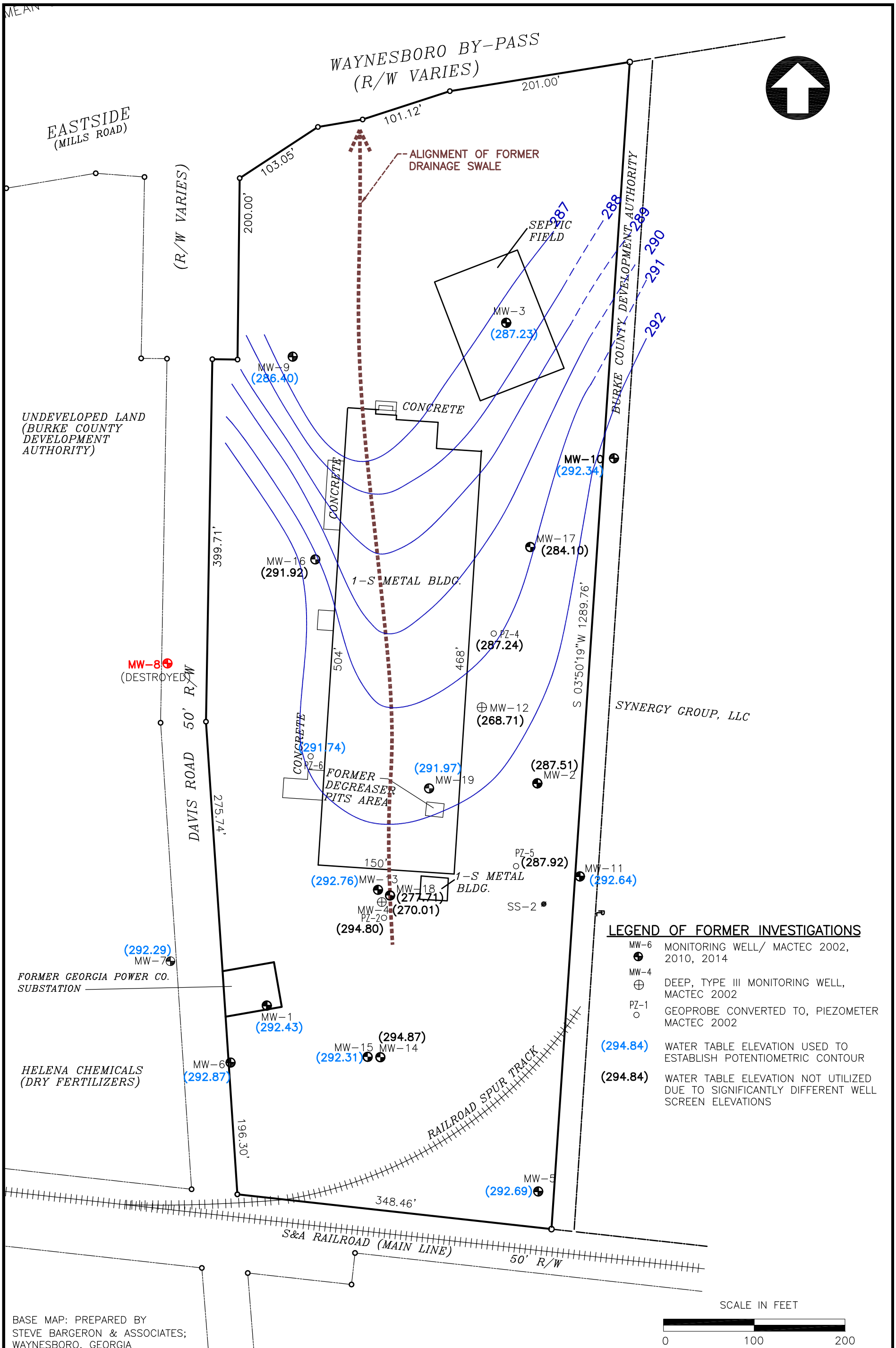

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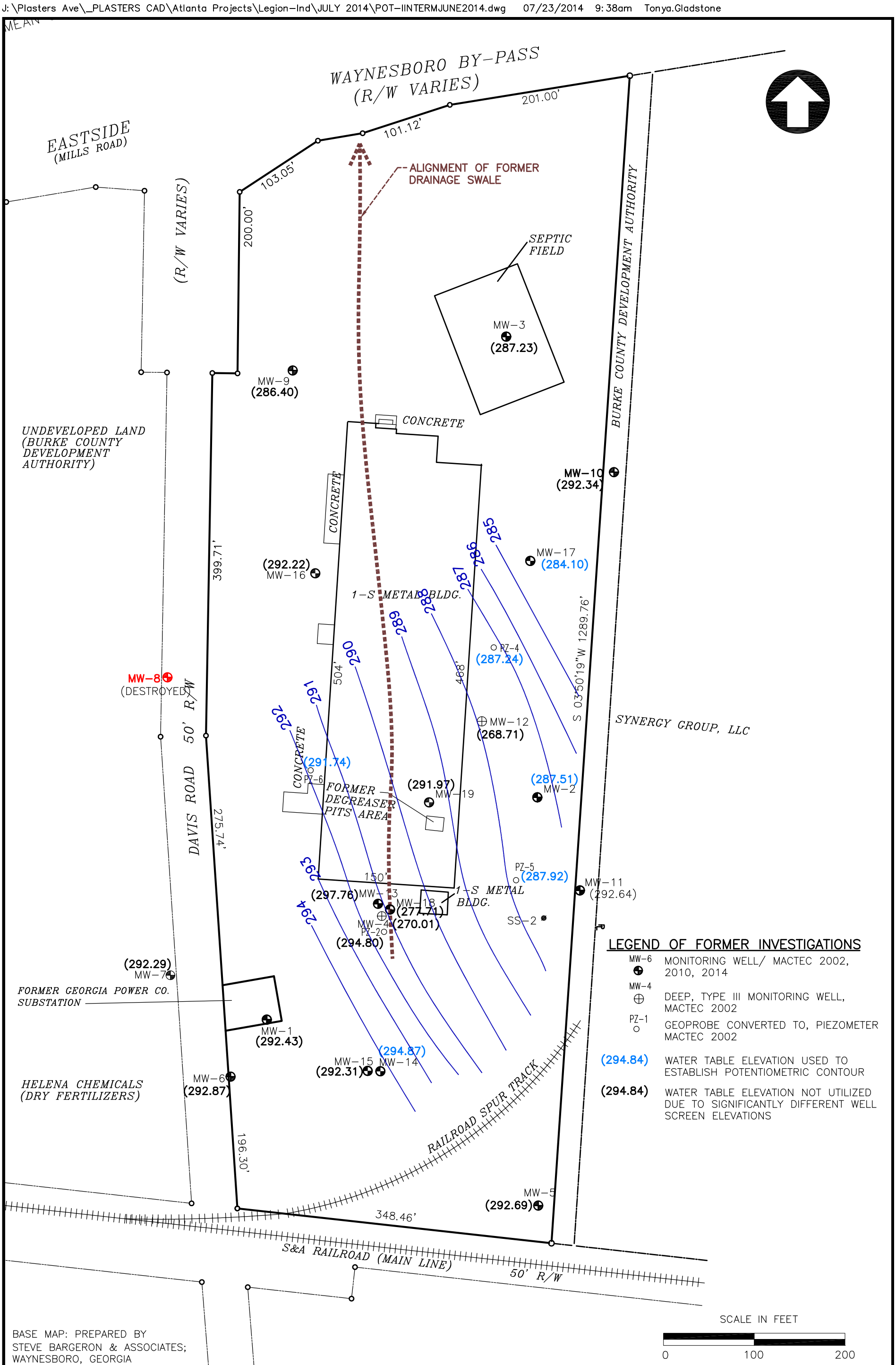
POTENTIOMETRIC SURFACE MAP
SHALLOW DEPTH
JUNE 16, 2014

JOB NO. 6121-09-0444 FIGURE 3

PREPARED BY/DATE TG 7/17/2014 CHECKED BY/DATE SF 7/17/2014



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POTENTIOMETRIC SURFACE MAP
INTERMEDIATE DEPTH
JUNE 16, 2014

JOB NO. 6121-09-0444 FIGURE 4

PREPARED BY/DATE TG 7/17/2014 CHECKED BY/DATE SF 7/17/2014

APPENDIX A

LABORATORY DATA REPORTS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

June 26, 2014

Steve Foley
AMEC Environment & Infrastruct
396 Plasters Avenue
Atlanta, GA 30324

RE: Project: LEGION INDUSTRIES 6121-09-0444
Pace Project No.: 92205929

Dear Steve Foley:
Enclosed are the analytical results for sample(s) received by the laboratory on June 18, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kevin Godwin
kevin.godwin@pacelabs.com
Project Manager

Enclosures

cc: Chuck Ferry, AMEC Environment & Infrastruct

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CERTIFICATIONS

Project: LEGION INDUSTRIES 6121-09-0444
Pace Project No.: 92205929

Green Bay Certification IDs
1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 11888
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
US Dept of Agriculture #: S-76505
Wisconsin Certification #: 405132750

Charlotte Certification IDs
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460221

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SAMPLE ANALYTE COUNT

Project: LEGION INDUSTRIES 6121-09-0444
Pace Project No.: 92205929

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92205929001	**MW-9**	EPA 8081	RES	24	PASI-C
		EPA 8260	MCK	63	PASI-C
92205929002	**MW-3**	EPA 8081	RES	24	PASI-C
		EPA 8260	MCK	63	PASI-C
92205929003	**MW-5**	EPA 8081	RES	24	PASI-C
		EPA 8260	MCK	63	PASI-C
92205929004	**MW-13**	EPA 8081	RES	24	PASI-C
		EPA 8260	MCK	63	PASI-C
92205929005	**PZ-2**	EPA 8081	RES	24	PASI-C
		EPA 8260	MCK	63	PASI-C
92205929006	**MW-4**	EPA 8081	RES	24	PASI-C
		EPA 8260	MCK	63	PASI-C
92205929007	**MW-12**	EPA 8081	RES	24	PASI-C
		EPA 8260	MCK	63	PASI-C
92205929008	**DUP-1**	EPA 8081	RES	24	PASI-C
		EPA 8260	MCK	63	PASI-C
92205929009	**MW-2**	EPA 8081	RES	24	PASI-C
		EPA 8260	MCK	63	PASI-C
92205929010	**MW-1**	EPA 8081	RES	24	PASI-C
		EPA 8260	MCK	63	PASI-C
92205929011	**MW-7**	EPA 8081	RES	24	PASI-C
		EPA 8260	MCK	63	PASI-C
92205929012	**TRIP BLANK**	EPA 8260	MCK	63	PASI-C
92205929013	**MW-14-2-3'**	ASTM D2974-87	AES	1	PASI-C
		EPA 9060 Modified	TJJ	4	PASI-G
92205929014	**MW-16-1-2'**	ASTM D2974-87	AES	1	PASI-C
		EPA 9060 Modified	TJJ	4	PASI-G
92205929015	**MW-17-6-7'**	ASTM D2974-87	AES	1	PASI-C
		EPA 9060 Modified	TJJ	4	PASI-G

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SUMMARY OF DETECTION

Project: LEGION INDUSTRIES 6121-09-0444
Pace Project No.: 92205929

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92205929001	**MW-9**					
EPA 8081	4,4'-DDD	0.13	ug/L	0.050	06/23/14 15:06	
EPA 8081	Dieldrin	0.16	ug/L	0.050	06/23/14 15:06	
92205929002	**MW-3**					
EPA 8260	Trichloroethene	1.2	ug/L	1.0	06/21/14 07:10	
92205929004	**MW-13**					
EPA 8081	beta-BHC	4.2	ug/L	1.0	06/25/14 12:00	
EPA 8081	delta-BHC	1.9	ug/L	1.0	06/25/14 12:00	
EPA 8081	gamma-BHC (Lindane)	1.5	ug/L	1.0	06/25/14 12:00	
EPA 8081	4,4'-DDD	3.8	ug/L	1.0	06/25/14 12:00	
EPA 8081	4,4'-DDE	2.3	ug/L	1.0	06/25/14 12:00	
EPA 8081	4,4'-DDT	7.6	ug/L	1.0	06/25/14 12:00	
EPA 8081	Endrin	6.0	ug/L	1.0	06/25/14 12:00	
EPA 8081	Endrin ketone	4.0	ug/L	1.0	06/25/14 12:00	
EPA 8260	Chlorobenzene	48.1	ug/L	20.0	06/23/14 22:43	
EPA 8260	1,4-Dichlorobenzene	47.0	ug/L	20.0	06/23/14 22:43	
EPA 8260	cis-1,2-Dichloroethene	1120	ug/L	20.0	06/23/14 22:43	
EPA 8260	1,2,4-Trichlorobenzene	32.0	ug/L	20.0	06/23/14 22:43	
EPA 8260	Trichloroethene	2710	ug/L	20.0	06/23/14 22:43	
EPA 8260	Vinyl chloride	657	ug/L	20.0	06/23/14 22:43	
92205929005	**PZ-2**					
EPA 8081	alpha-BHC	0.33	ug/L	0.20	06/25/14 12:18	
EPA 8081	beta-BHC	0.41	ug/L	0.20	06/25/14 12:18	
EPA 8081	delta-BHC	0.75	ug/L	0.20	06/25/14 12:18	
EPA 8081	gamma-BHC (Lindane)	0.44	ug/L	0.20	06/25/14 12:18	
EPA 8081	4,4'-DDD	1.7	ug/L	0.20	06/25/14 12:18	
EPA 8081	4,4'-DDT	0.50	ug/L	0.20	06/25/14 12:18	
EPA 8081	Dieldrin	0.52	ug/L	0.20	06/25/14 12:18	
EPA 8081	Endrin	0.28	ug/L	0.20	06/25/14 12:18	
EPA 8081	Endrin ketone	0.54	ug/L	0.20	06/25/14 12:18	
EPA 8260	cis-1,2-Dichloroethene	3340	ug/L	100	06/21/14 07:58	
EPA 8260	Trichloroethene	10300	ug/L	100	06/21/14 07:58	
EPA 8260	Vinyl chloride	305	ug/L	100	06/21/14 07:58	
92205929006	**MW-4**					
EPA 8260	cis-1,2-Dichloroethene	5.1	ug/L	1.0	06/23/14 22:59	
EPA 8260	Trichloroethene	7.8	ug/L	1.0	06/23/14 22:59	
92205929007	**MW-12**					
EPA 8081	delta-BHC	0.055	ug/L	0.050	06/23/14 17:01	
EPA 8081	gamma-BHC (Lindane)	0.13	ug/L	0.050	06/23/14 17:01	
EPA 8260	cis-1,2-Dichloroethene	2.1	ug/L	1.0	06/21/14 08:13	
EPA 8260	Trichloroethene	12.4	ug/L	1.0	06/21/14 08:13	
92205929008	**DUP-1**					
EPA 8081	delta-BHC	0.072	ug/L	0.050	06/23/14 17:19	
EPA 8081	gamma-BHC (Lindane)	0.16	ug/L	0.050	06/23/14 17:19	
EPA 8260	cis-1,2-Dichloroethene	2.4	ug/L	1.0	06/23/14 23:16	

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SUMMARY OF DETECTION

Project: LEGION INDUSTRIES 6121-09-0444
Pace Project No.: 92205929

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92205929008	**DUP-1**					
EPA 8260	Trichloroethene	13.2	ug/L	1.0	06/23/14 23:16	
92205929009	**MW-2**					
EPA 8081	alpha-BHC	5.3	ug/L	1.0	06/25/14 12:35	
EPA 8081	delta-BHC	8.1	ug/L	1.0	06/25/14 12:35	
EPA 8081	gamma-BHC (Lindane)	1.9	ug/L	1.0	06/25/14 12:35	
EPA 8081	Dieldrin	1.8	ug/L	1.0	06/25/14 12:35	
EPA 8260	Benzene	3.9	ug/L	1.0	06/21/14 08:29	
EPA 8260	Chlorobenzene	11.8	ug/L	1.0	06/21/14 08:29	
EPA 8260	1,4-Dichlorobenzene	3.0	ug/L	1.0	06/21/14 08:29	
EPA 8260	cis-1,2-Dichloroethene	160	ug/L	1.0	06/21/14 08:29	
EPA 8260	trans-1,2-Dichloroethene	1.1	ug/L	1.0	06/21/14 08:29	
EPA 8260	Ethylbenzene	2.5	ug/L	1.0	06/21/14 08:29	
EPA 8260	Naphthalene	10.5	ug/L	1.0	06/21/14 08:29	
EPA 8260	Trichloroethene	2.1	ug/L	1.0	06/21/14 08:29	
EPA 8260	Vinyl chloride	159	ug/L	1.0	06/21/14 08:29	
EPA 8260	Xylene (Total)	6.1	ug/L	2.0	06/21/14 08:29	
EPA 8260	o-Xylene	6.1	ug/L	1.0	06/21/14 08:29	
92205929010	**MW-1**					
EPA 8081	beta-BHC	0.11	ug/L	0.050	06/23/14 17:56	
EPA 8081	Dieldrin	0.12	ug/L	0.050	06/23/14 17:56	
EPA 8081	Endrin ketone	0.24	ug/L	0.050	06/23/14 17:56	
EPA 8260	Chlorobenzene	1.4	ug/L	1.0	06/21/14 08:45	
EPA 8260	1,4-Dichlorobenzene	1.2	ug/L	1.0	06/21/14 08:45	
EPA 8260	1,1-Dichloroethene	2.2	ug/L	1.0	06/21/14 08:45	
EPA 8260	cis-1,2-Dichloroethene	902	ug/L	20.0	06/23/14 19:57	
EPA 8260	trans-1,2-Dichloroethene	2.9	ug/L	1.0	06/21/14 08:45	
EPA 8260	Tetrachloroethene	1.2	ug/L	1.0	06/21/14 08:45	
EPA 8260	Trichloroethene	788	ug/L	20.0	06/23/14 19:57	
EPA 8260	Vinyl chloride	160	ug/L	1.0	06/21/14 08:45	
92205929011	**MW-7**					
EPA 8260	cis-1,2-Dichloroethene	17.4	ug/L	1.0	06/21/14 09:00	
EPA 8260	Trichloroethene	16.9	ug/L	1.0	06/21/14 09:00	
92205929013	**MW-14-2-3'**					
ASTM D2974-87	Percent Moisture	15.6	%	0.10	06/20/14 17:58	
EPA 9060 Modified	RPD%	5.0	%	0.10	06/25/14 08:00	
EPA 9060 Modified	Total Organic Carbon	1500	mg/kg	711	06/25/14 08:00	
EPA 9060 Modified	Total Organic Carbon	1580	mg/kg	711	06/25/14 08:06	
EPA 9060 Modified	Mean Total Organic Carbon	1540	mg/kg	711	06/25/14 08:00	
92205929014	**MW-16-1-2'**					
ASTM D2974-87	Percent Moisture	8.9	%	0.10	06/20/14 17:58	
EPA 9060 Modified	RPD%	4.5	%	0.10	06/25/14 08:34	
EPA 9060 Modified	Total Organic Carbon	2150	mg/kg	817	06/25/14 08:34	
EPA 9060 Modified	Total Organic Carbon	2050	mg/kg	812	06/25/14 08:40	
EPA 9060 Modified	Mean Total Organic Carbon	2100	mg/kg	814	06/25/14 08:34	

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SUMMARY OF DETECTION

Project: LEGION INDUSTRIES 6121-09-0444
Pace Project No.: 92205929

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92205929015	**MW-17-6-7'**					
ASTM D2974-87	Percent Moisture	16.0	%	0.10	06/20/14 17:59	
EPA 9060 Modified	RPD%	12.2	%	0.10	06/25/14 08:46	
EPA 9060 Modified	Total Organic Carbon	764	mg/kg	714	06/25/14 08:46	
EPA 9060 Modified	Mean Total Organic Carbon	720	mg/kg	714	06/25/14 08:46	

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PROJECT NARRATIVE

Project: LEGION INDUSTRIES 6121-09-0444
Pace Project No.: 92205929

Method: **EPA 8081**
Description: 8081 Organochlorine Pesticides
Client: AMEC Environment & Infrastructure
Date: June 26, 2014

General Information:
11 samples were analyzed for EPA 8081. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3510 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

QC Batch: OEXT/28407

S4: Surrogate recovery not evaluated against control limits due to sample dilution.

- MW-13 (Lab ID: 92205929004)
  - Tetrachloro-m-xylene (S)
- MW-2 (Lab ID: 92205929009)
  - Tetrachloro-m-xylene (S)

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: LEGION INDUSTRIES 6121-09-0444
Pace Project No.: 92205929

Method: **EPA 8260**
Description: 8260 MSV Low Level
Client: AMEC Environment & Infrastructure
Date: June 26, 2014

General Information:
12 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: MSV/27287

L0: Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

- LCS (Lab ID: 1225941)
  - Dichlorodifluoromethane

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: LEGION INDUSTRIES 6121-09-0444
Pace Project No.: 92205929

Method: **EPA 9060 Modified**
Description: Total Organic Carbon
Client: AMEC Environment & Infrastructure
Date: June 26, 2014

General Information:
3 samples were analyzed for EPA 9060 Modified. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: LEGION INDUSTRIES 6121-09-0444
Pace Project No.: 92205929

Sample: MW-9 **Lab ID: 92205929001** Collected: 06/16/14 12:30 Received: 06/18/14 16:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 Organochlorine Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510							
Aldrin	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 15:06	309-00-2	
alpha-BHC	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 15:06	319-84-6	
beta-BHC	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 15:06	319-85-7	
delta-BHC	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 15:06	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 15:06	58-89-9	
Chlordane (Technical)	ND	ug/L	0.20	1	06/20/14 14:20	06/23/14 15:06	57-74-9	
4,4'-DDD	**0.13**	ug/L	0.050	1	06/20/14 14:20	06/23/14 15:06	72-54-8	
4,4'-DDE	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 15:06	72-55-9	
4,4'-DDT	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 15:06	50-29-3	
Dieldrin	**0.16**	ug/L	0.050	1	06/20/14 14:20	06/23/14 15:06	60-57-1	
Endosulfan I	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 15:06	959-98-8	
Endosulfan II	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 15:06	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 15:06	1031-07-8	
Endrin	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 15:06	72-20-8	
Endrin aldehyde	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 15:06	7421-93-4	
Endrin ketone	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 15:06	53494-70-5	
Heptachlor	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 15:06	76-44-8	
Heptachlor epoxide	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 15:06	1024-57-3	
Hexachlorobenzene	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 15:06	118-74-1	
Methoxychlor	ND	ug/L	0.15	1	06/20/14 14:20	06/23/14 15:06	72-43-5	
Mirex	ND	ug/L	0.15	1	06/20/14 14:20	06/23/14 15:06	2385-85-5	
Toxaphene	ND	ug/L	0.20	1	06/20/14 14:20	06/23/14 15:06	8001-35-2	
Surrogates								
Tetrachloro-m-xylene (S)	30	%	20-130	1	06/20/14 14:20	06/23/14 15:06	877-09-8	
Decachlorobiphenyl (S)	76	%	20-130	1	06/20/14 14:20	06/23/14 15:06	2051-24-3	
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		06/21/14 06:55	67-64-1	
Benzene	ND	ug/L	1.0	1		06/21/14 06:55	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		06/21/14 06:55	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		06/21/14 06:55	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		06/21/14 06:55	75-27-4	
Bromoform	ND	ug/L	1.0	1		06/21/14 06:55	75-25-2	
Bromomethane	ND	ug/L	2.0	1		06/21/14 06:55	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		06/21/14 06:55	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		06/21/14 06:55	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		06/21/14 06:55	108-90-7	
Chloroethane	ND	ug/L	1.0	1		06/21/14 06:55	75-00-3	
Chloroform	ND	ug/L	1.0	1		06/21/14 06:55	67-66-3	
Chloromethane	ND	ug/L	1.0	1		06/21/14 06:55	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		06/21/14 06:55	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		06/21/14 06:55	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1		06/21/14 06:55	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		06/21/14 06:55	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		06/21/14 06:55	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		06/21/14 06:55	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		06/21/14 06:55	95-50-1	

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Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: LEGION INDUSTRIES 6121-09-0444
Pace Project No.: 92205929

Sample: MW-9 **Lab ID: 92205929001** Collected: 06/16/14 12:30 Received: 06/18/14 16:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
1,3-Dichlorobenzene	ND	ug/L	1.0	1		06/21/14 06:55	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		06/21/14 06:55	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		06/21/14 06:55	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		06/21/14 06:55	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		06/21/14 06:55	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		06/21/14 06:55	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		06/21/14 06:55	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		06/21/14 06:55	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		06/21/14 06:55	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		06/21/14 06:55	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		06/21/14 06:55	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		06/21/14 06:55	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		06/21/14 06:55	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		06/21/14 06:55	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		06/21/14 06:55	108-20-3	
Ethylbenzene	ND	ug/L	1.0	1		06/21/14 06:55	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		06/21/14 06:55	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		06/21/14 06:55	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		06/21/14 06:55	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		06/21/14 06:55	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		06/21/14 06:55	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		06/21/14 06:55	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		06/21/14 06:55	91-20-3	
Styrene	ND	ug/L	1.0	1		06/21/14 06:55	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		06/21/14 06:55	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		06/21/14 06:55	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		06/21/14 06:55	127-18-4	
Toluene	ND	ug/L	1.0	1		06/21/14 06:55	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		06/21/14 06:55	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		06/21/14 06:55	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		06/21/14 06:55	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		06/21/14 06:55	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		06/21/14 06:55	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		06/21/14 06:55	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		06/21/14 06:55	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		06/21/14 06:55	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		06/21/14 06:55	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		06/21/14 06:55	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		06/21/14 06:55	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		06/21/14 06:55	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	100	%	70-130	1		06/21/14 06:55	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130	1		06/21/14 06:55	17060-07-0	
Toluene-d8 (S)	100	%	70-130	1		06/21/14 06:55	2037-26-5	

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ANALYTICAL RESULTS

Project: LEGION INDUSTRIES 6121-09-0444
Pace Project No.: 92205929

Sample: MW-3 **Lab ID: 92205929002** Collected: 06/16/14 14:20 Received: 06/18/14 16:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 Organochlorine Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510							
Aldrin	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 15:24	309-00-2	
alpha-BHC	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 15:24	319-84-6	
beta-BHC	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 15:24	319-85-7	
delta-BHC	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 15:24	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 15:24	58-89-9	
Chlordane (Technical)	ND	ug/L	0.20	1	06/20/14 14:20	06/23/14 15:24	57-74-9	
4,4'-DDD	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 15:24	72-54-8	
4,4'-DDE	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 15:24	72-55-9	
4,4'-DDT	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 15:24	50-29-3	
Dieldrin	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 15:24	60-57-1	
Endosulfan I	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 15:24	959-98-8	
Endosulfan II	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 15:24	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 15:24	1031-07-8	
Endrin	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 15:24	72-20-8	
Endrin aldehyde	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 15:24	7421-93-4	
Endrin ketone	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 15:24	53494-70-5	
Heptachlor	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 15:24	76-44-8	
Heptachlor epoxide	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 15:24	1024-57-3	
Hexachlorobenzene	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 15:24	118-74-1	
Methoxychlor	ND	ug/L	0.15	1	06/20/14 14:20	06/23/14 15:24	72-43-5	
Mirex	ND	ug/L	0.15	1	06/20/14 14:20	06/23/14 15:24	2385-85-5	
Toxaphene	ND	ug/L	0.20	1	06/20/14 14:20	06/23/14 15:24	8001-35-2	
Surrogates								
Tetrachloro-m-xylene (S)	24	%	20-130	1	06/20/14 14:20	06/23/14 15:24	877-09-8	
Decachlorobiphenyl (S)	49	%	20-130	1	06/20/14 14:20	06/23/14 15:24	2051-24-3	
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		06/21/14 07:10	67-64-1	
Benzene	ND	ug/L	1.0	1		06/21/14 07:10	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		06/21/14 07:10	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		06/21/14 07:10	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		06/21/14 07:10	75-27-4	
Bromoform	ND	ug/L	1.0	1		06/21/14 07:10	75-25-2	
Bromomethane	ND	ug/L	2.0	1		06/21/14 07:10	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		06/21/14 07:10	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		06/21/14 07:10	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		06/21/14 07:10	108-90-7	
Chloroethane	ND	ug/L	1.0	1		06/21/14 07:10	75-00-3	
Chloroform	ND	ug/L	1.0	1		06/21/14 07:10	67-66-3	
Chloromethane	ND	ug/L	1.0	1		06/21/14 07:10	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		06/21/14 07:10	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		06/21/14 07:10	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1		06/21/14 07:10	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		06/21/14 07:10	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		06/21/14 07:10	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		06/21/14 07:10	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		06/21/14 07:10	95-50-1	

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ANALYTICAL RESULTS

Project: LEGION INDUSTRIES 6121-09-0444
Pace Project No.: 92205929

Sample: MW-3 **Lab ID: 92205929002** Collected: 06/16/14 14:20 Received: 06/18/14 16:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
1,3-Dichlorobenzene	ND	ug/L	1.0	1		06/21/14 07:10	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		06/21/14 07:10	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		06/21/14 07:10	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		06/21/14 07:10	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		06/21/14 07:10	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		06/21/14 07:10	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		06/21/14 07:10	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		06/21/14 07:10	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		06/21/14 07:10	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		06/21/14 07:10	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		06/21/14 07:10	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		06/21/14 07:10	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		06/21/14 07:10	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		06/21/14 07:10	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		06/21/14 07:10	108-20-3	
Ethylbenzene	ND	ug/L	1.0	1		06/21/14 07:10	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		06/21/14 07:10	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		06/21/14 07:10	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		06/21/14 07:10	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		06/21/14 07:10	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		06/21/14 07:10	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		06/21/14 07:10	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		06/21/14 07:10	91-20-3	
Styrene	ND	ug/L	1.0	1		06/21/14 07:10	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		06/21/14 07:10	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		06/21/14 07:10	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		06/21/14 07:10	127-18-4	
Toluene	ND	ug/L	1.0	1		06/21/14 07:10	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		06/21/14 07:10	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		06/21/14 07:10	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		06/21/14 07:10	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		06/21/14 07:10	79-00-5	
Trichloroethene	**1.2**	ug/L	1.0	1		06/21/14 07:10	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		06/21/14 07:10	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		06/21/14 07:10	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		06/21/14 07:10	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		06/21/14 07:10	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		06/21/14 07:10	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		06/21/14 07:10	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		06/21/14 07:10	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	100	%	70-130	1		06/21/14 07:10	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	70-130	1		06/21/14 07:10	17060-07-0	
Toluene-d8 (S)	99	%	70-130	1		06/21/14 07:10	2037-26-5	

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ANALYTICAL RESULTS

Project: LEGION INDUSTRIES 6121-09-0444
Pace Project No.: 92205929

Sample: MW-5 **Lab ID: 92205929003** Collected: 06/17/14 07:30 Received: 06/18/14 16:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 Organochlorine Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510							
Aldrin	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 15:42	309-00-2	
alpha-BHC	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 15:42	319-84-6	
beta-BHC	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 15:42	319-85-7	
delta-BHC	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 15:42	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 15:42	58-89-9	
Chlordane (Technical)	ND	ug/L	0.20	1	06/20/14 14:20	06/23/14 15:42	57-74-9	
4,4'-DDD	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 15:42	72-54-8	
4,4'-DDE	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 15:42	72-55-9	
4,4'-DDT	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 15:42	50-29-3	
Dieldrin	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 15:42	60-57-1	
Endosulfan I	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 15:42	959-98-8	
Endosulfan II	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 15:42	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 15:42	1031-07-8	
Endrin	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 15:42	72-20-8	
Endrin aldehyde	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 15:42	7421-93-4	
Endrin ketone	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 15:42	53494-70-5	
Heptachlor	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 15:42	76-44-8	
Heptachlor epoxide	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 15:42	1024-57-3	
Hexachlorobenzene	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 15:42	118-74-1	
Methoxychlor	ND	ug/L	0.15	1	06/20/14 14:20	06/23/14 15:42	72-43-5	
Mirex	ND	ug/L	0.15	1	06/20/14 14:20	06/23/14 15:42	2385-85-5	
Toxaphene	ND	ug/L	0.20	1	06/20/14 14:20	06/23/14 15:42	8001-35-2	
Surrogates								
Tetrachloro-m-xylene (S)	34	%	20-130	1	06/20/14 14:20	06/23/14 15:42	877-09-8	
Decachlorobiphenyl (S)	53	%	20-130	1	06/20/14 14:20	06/23/14 15:42	2051-24-3	
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		06/21/14 07:26	67-64-1	
Benzene	ND	ug/L	1.0	1		06/21/14 07:26	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		06/21/14 07:26	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		06/21/14 07:26	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		06/21/14 07:26	75-27-4	
Bromoform	ND	ug/L	1.0	1		06/21/14 07:26	75-25-2	
Bromomethane	ND	ug/L	2.0	1		06/21/14 07:26	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		06/21/14 07:26	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		06/21/14 07:26	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		06/21/14 07:26	108-90-7	
Chloroethane	ND	ug/L	1.0	1		06/21/14 07:26	75-00-3	
Chloroform	ND	ug/L	1.0	1		06/21/14 07:26	67-66-3	
Chloromethane	ND	ug/L	1.0	1		06/21/14 07:26	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		06/21/14 07:26	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		06/21/14 07:26	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1		06/21/14 07:26	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		06/21/14 07:26	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		06/21/14 07:26	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		06/21/14 07:26	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		06/21/14 07:26	95-50-1	

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ANALYTICAL RESULTS

Project: LEGION INDUSTRIES 6121-09-0444
Pace Project No.: 92205929

Sample: MW-5 **Lab ID: 92205929003** Collected: 06/17/14 07:30 Received: 06/18/14 16:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
1,3-Dichlorobenzene	ND	ug/L	1.0	1		06/21/14 07:26	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		06/21/14 07:26	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		06/21/14 07:26	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		06/21/14 07:26	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		06/21/14 07:26	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		06/21/14 07:26	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		06/21/14 07:26	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		06/21/14 07:26	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		06/21/14 07:26	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		06/21/14 07:26	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		06/21/14 07:26	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		06/21/14 07:26	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		06/21/14 07:26	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		06/21/14 07:26	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		06/21/14 07:26	108-20-3	
Ethylbenzene	ND	ug/L	1.0	1		06/21/14 07:26	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		06/21/14 07:26	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		06/21/14 07:26	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		06/21/14 07:26	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		06/21/14 07:26	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		06/21/14 07:26	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		06/21/14 07:26	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		06/21/14 07:26	91-20-3	
Styrene	ND	ug/L	1.0	1		06/21/14 07:26	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		06/21/14 07:26	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		06/21/14 07:26	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		06/21/14 07:26	127-18-4	
Toluene	ND	ug/L	1.0	1		06/21/14 07:26	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		06/21/14 07:26	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		06/21/14 07:26	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		06/21/14 07:26	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		06/21/14 07:26	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		06/21/14 07:26	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		06/21/14 07:26	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		06/21/14 07:26	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		06/21/14 07:26	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		06/21/14 07:26	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		06/21/14 07:26	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		06/21/14 07:26	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		06/21/14 07:26	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	101	%	70-130	1		06/21/14 07:26	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	70-130	1		06/21/14 07:26	17060-07-0	
Toluene-d8 (S)	99	%	70-130	1		06/21/14 07:26	2037-26-5	

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ANALYTICAL RESULTS

Project: LEGION INDUSTRIES 6121-09-0444
Pace Project No.: 92205929

Sample: MW-13 **Lab ID: 92205929004** Collected: 06/17/14 09:20 Received: 06/18/14 16:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 Organochlorine Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510							
Aldrin	ND	ug/L	1.0	20	06/20/14 14:20	06/25/14 12:00	309-00-2	
alpha-BHC	ND	ug/L	1.0	20	06/20/14 14:20	06/25/14 12:00	319-84-6	
beta-BHC	**4.2**	ug/L	1.0	20	06/20/14 14:20	06/25/14 12:00	319-85-7	
delta-BHC	**1.9**	ug/L	1.0	20	06/20/14 14:20	06/25/14 12:00	319-86-8	
gamma-BHC (Lindane)	**1.5**	ug/L	1.0	20	06/20/14 14:20	06/25/14 12:00	58-89-9	
Chlordane (Technical)	ND	ug/L	4.0	20	06/20/14 14:20	06/25/14 12:00	57-74-9	
4,4'-DDD	**3.8**	ug/L	1.0	20	06/20/14 14:20	06/25/14 12:00	72-54-8	
4,4'-DDE	**2.3**	ug/L	1.0	20	06/20/14 14:20	06/25/14 12:00	72-55-9	
4,4'-DDT	**7.6**	ug/L	1.0	20	06/20/14 14:20	06/25/14 12:00	50-29-3	
Dieldrin	ND	ug/L	1.0	20	06/20/14 14:20	06/25/14 12:00	60-57-1	
Endosulfan I	ND	ug/L	1.0	20	06/20/14 14:20	06/25/14 12:00	959-98-8	
Endosulfan II	ND	ug/L	1.0	20	06/20/14 14:20	06/25/14 12:00	33213-65-9	
Endosulfan sulfate	ND	ug/L	1.0	20	06/20/14 14:20	06/25/14 12:00	1031-07-8	
Endrin	**6.0**	ug/L	1.0	20	06/20/14 14:20	06/25/14 12:00	72-20-8	
Endrin aldehyde	ND	ug/L	1.0	20	06/20/14 14:20	06/25/14 12:00	7421-93-4	
Endrin ketone	**4.0**	ug/L	1.0	20	06/20/14 14:20	06/25/14 12:00	53494-70-5	
Heptachlor	ND	ug/L	1.0	20	06/20/14 14:20	06/25/14 12:00	76-44-8	
Heptachlor epoxide	ND	ug/L	1.0	20	06/20/14 14:20	06/25/14 12:00	1024-57-3	
Hexachlorobenzene	ND	ug/L	1.0	20	06/20/14 14:20	06/25/14 12:00	118-74-1	
Methoxychlor	ND	ug/L	3.0	20	06/20/14 14:20	06/25/14 12:00	72-43-5	
Mirex	ND	ug/L	3.0	20	06/20/14 14:20	06/25/14 12:00	2385-85-5	
Toxaphene	ND	ug/L	4.0	20	06/20/14 14:20	06/25/14 12:00	8001-35-2	
Surrogates								
Tetrachloro-m-xylene (S)	0	%	20-130	20	06/20/14 14:20	06/25/14 12:00	877-09-8	S4
Decachlorobiphenyl (S)	0	%	20-130	20	06/20/14 14:20	06/25/14 12:00	2051-24-3	
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	500	20		06/23/14 22:43	67-64-1	
Benzene	ND	ug/L	20.0	20		06/23/14 22:43	71-43-2	
Bromobenzene	ND	ug/L	20.0	20		06/23/14 22:43	108-86-1	
Bromochloromethane	ND	ug/L	20.0	20		06/23/14 22:43	74-97-5	
Bromodichloromethane	ND	ug/L	20.0	20		06/23/14 22:43	75-27-4	
Bromoform	ND	ug/L	20.0	20		06/23/14 22:43	75-25-2	
Bromomethane	ND	ug/L	40.0	20		06/23/14 22:43	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	20		06/23/14 22:43	78-93-3	
Carbon tetrachloride	ND	ug/L	20.0	20		06/23/14 22:43	56-23-5	
Chlorobenzene	**48.1**	ug/L	20.0	20		06/23/14 22:43	108-90-7	
Chloroethane	ND	ug/L	20.0	20		06/23/14 22:43	75-00-3	
Chloroform	ND	ug/L	20.0	20		06/23/14 22:43	67-66-3	
Chloromethane	ND	ug/L	20.0	20		06/23/14 22:43	74-87-3	
2-Chlorotoluene	ND	ug/L	20.0	20		06/23/14 22:43	95-49-8	
4-Chlorotoluene	ND	ug/L	20.0	20		06/23/14 22:43	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	40.0	20		06/23/14 22:43	96-12-8	
Dibromochloromethane	ND	ug/L	20.0	20		06/23/14 22:43	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	20.0	20		06/23/14 22:43	106-93-4	
Dibromomethane	ND	ug/L	20.0	20		06/23/14 22:43	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	20.0	20		06/23/14 22:43	95-50-1	

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ANALYTICAL RESULTS

Project: LEGION INDUSTRIES 6121-09-0444
Pace Project No.: 92205929

Sample: MW-13 **Lab ID: 92205929004** Collected: 06/17/14 09:20 Received: 06/18/14 16:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
1,3-Dichlorobenzene	ND	ug/L	20.0	20		06/23/14 22:43	541-73-1	
1,4-Dichlorobenzene	**47.0**	ug/L	20.0	20		06/23/14 22:43	106-46-7	
Dichlorodifluoromethane	ND	ug/L	20.0	20		06/23/14 22:43	75-71-8	
1,1-Dichloroethane	ND	ug/L	20.0	20		06/23/14 22:43	75-34-3	
1,2-Dichloroethane	ND	ug/L	20.0	20		06/23/14 22:43	107-06-2	
1,1-Dichloroethene	ND	ug/L	20.0	20		06/23/14 22:43	75-35-4	
cis-1,2-Dichloroethene	**1120**	ug/L	20.0	20		06/23/14 22:43	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	20.0	20		06/23/14 22:43	156-60-5	
1,2-Dichloropropane	ND	ug/L	20.0	20		06/23/14 22:43	78-87-5	
1,3-Dichloropropane	ND	ug/L	20.0	20		06/23/14 22:43	142-28-9	
2,2-Dichloropropane	ND	ug/L	20.0	20		06/23/14 22:43	594-20-7	
1,1-Dichloropropene	ND	ug/L	20.0	20		06/23/14 22:43	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	20.0	20		06/23/14 22:43	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	20.0	20		06/23/14 22:43	10061-02-6	
Diisopropyl ether	ND	ug/L	20.0	20		06/23/14 22:43	108-20-3	
Ethylbenzene	ND	ug/L	20.0	20		06/23/14 22:43	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	20.0	20		06/23/14 22:43	87-68-3	
2-Hexanone	ND	ug/L	100	20		06/23/14 22:43	591-78-6	
p-Isopropyltoluene	ND	ug/L	20.0	20		06/23/14 22:43	99-87-6	
Methylene Chloride	ND	ug/L	40.0	20		06/23/14 22:43	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	20		06/23/14 22:43	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	20.0	20		06/23/14 22:43	1634-04-4	
Naphthalene	ND	ug/L	20.0	20		06/23/14 22:43	91-20-3	
Styrene	ND	ug/L	20.0	20		06/23/14 22:43	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	20.0	20		06/23/14 22:43	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	20.0	20		06/23/14 22:43	79-34-5	
Tetrachloroethene	ND	ug/L	20.0	20		06/23/14 22:43	127-18-4	
Toluene	ND	ug/L	20.0	20		06/23/14 22:43	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	20.0	20		06/23/14 22:43	87-61-6	
1,2,4-Trichlorobenzene	**32.0**	ug/L	20.0	20		06/23/14 22:43	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	20.0	20		06/23/14 22:43	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	20.0	20		06/23/14 22:43	79-00-5	
Trichloroethene	**2710**	ug/L	20.0	20		06/23/14 22:43	79-01-6	
Trichlorofluoromethane	ND	ug/L	20.0	20		06/23/14 22:43	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	20.0	20		06/23/14 22:43	96-18-4	
Vinyl acetate	ND	ug/L	40.0	20		06/23/14 22:43	108-05-4	
Vinyl chloride	**657**	ug/L	20.0	20		06/23/14 22:43	75-01-4	
Xylene (Total)	ND	ug/L	40.0	20		06/23/14 22:43	1330-20-7	
m&p-Xylene	ND	ug/L	40.0	20		06/23/14 22:43	179601-23-1	
o-Xylene	ND	ug/L	20.0	20		06/23/14 22:43	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	99	%	70-130	20		06/23/14 22:43	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	70-130	20		06/23/14 22:43	17060-07-0	
Toluene-d8 (S)	98	%	70-130	20		06/23/14 22:43	2037-26-5	

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ANALYTICAL RESULTS

Project: LEGION INDUSTRIES 6121-09-0444
Pace Project No.: 92205929

Sample: PZ-2 **Lab ID: 92205929005** Collected: 06/17/14 10:55 Received: 06/18/14 16:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 Organochlorine Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510							
Aldrin	ND	ug/L	0.20	4	06/20/14 14:20	06/25/14 12:18	309-00-2	
alpha-BHC	**0.33**	ug/L	0.20	4	06/20/14 14:20	06/25/14 12:18	319-84-6	
beta-BHC	**0.41**	ug/L	0.20	4	06/20/14 14:20	06/25/14 12:18	319-85-7	
delta-BHC	**0.75**	ug/L	0.20	4	06/20/14 14:20	06/25/14 12:18	319-86-8	
gamma-BHC (Lindane)	**0.44**	ug/L	0.20	4	06/20/14 14:20	06/25/14 12:18	58-89-9	
Chlordane (Technical)	ND	ug/L	0.80	4	06/20/14 14:20	06/25/14 12:18	57-74-9	
4,4'-DDD	**1.7**	ug/L	0.20	4	06/20/14 14:20	06/25/14 12:18	72-54-8	
4,4'-DDE	ND	ug/L	0.20	4	06/20/14 14:20	06/25/14 12:18	72-55-9	
4,4'-DDT	**0.50**	ug/L	0.20	4	06/20/14 14:20	06/25/14 12:18	50-29-3	
Dieldrin	**0.52**	ug/L	0.20	4	06/20/14 14:20	06/25/14 12:18	60-57-1	
Endosulfan I	ND	ug/L	0.20	4	06/20/14 14:20	06/25/14 12:18	959-98-8	
Endosulfan II	ND	ug/L	0.20	4	06/20/14 14:20	06/25/14 12:18	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.20	4	06/20/14 14:20	06/25/14 12:18	1031-07-8	
Endrin	**0.28**	ug/L	0.20	4	06/20/14 14:20	06/25/14 12:18	72-20-8	
Endrin aldehyde	ND	ug/L	0.20	4	06/20/14 14:20	06/25/14 12:18	7421-93-4	
Endrin ketone	**0.54**	ug/L	0.20	4	06/20/14 14:20	06/25/14 12:18	53494-70-5	
Heptachlor	ND	ug/L	0.20	4	06/20/14 14:20	06/25/14 12:18	76-44-8	
Heptachlor epoxide	ND	ug/L	0.20	4	06/20/14 14:20	06/25/14 12:18	1024-57-3	
Hexachlorobenzene	ND	ug/L	0.20	4	06/20/14 14:20	06/25/14 12:18	118-74-1	
Methoxychlor	ND	ug/L	0.60	4	06/20/14 14:20	06/25/14 12:18	72-43-5	
Mirex	ND	ug/L	0.60	4	06/20/14 14:20	06/25/14 12:18	2385-85-5	
Toxaphene	ND	ug/L	0.80	4	06/20/14 14:20	06/25/14 12:18	8001-35-2	
Surrogates								
Tetrachloro-m-xylene (S)	25	%	20-130	4	06/20/14 14:20	06/25/14 12:18	877-09-8	
Decachlorobiphenyl (S)	57	%	20-130	4	06/20/14 14:20	06/25/14 12:18	2051-24-3	
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	2500	100		06/21/14 07:58	67-64-1	
Benzene	ND	ug/L	100	100		06/21/14 07:58	71-43-2	
Bromobenzene	ND	ug/L	100	100		06/21/14 07:58	108-86-1	
Bromochloromethane	ND	ug/L	100	100		06/21/14 07:58	74-97-5	
Bromodichloromethane	ND	ug/L	100	100		06/21/14 07:58	75-27-4	
Bromoform	ND	ug/L	100	100		06/21/14 07:58	75-25-2	
Bromomethane	ND	ug/L	200	100		06/21/14 07:58	74-83-9	
2-Butanone (MEK)	ND	ug/L	500	100		06/21/14 07:58	78-93-3	
Carbon tetrachloride	ND	ug/L	100	100		06/21/14 07:58	56-23-5	
Chlorobenzene	ND	ug/L	100	100		06/21/14 07:58	108-90-7	
Chloroethane	ND	ug/L	100	100		06/21/14 07:58	75-00-3	
Chloroform	ND	ug/L	100	100		06/21/14 07:58	67-66-3	
Chloromethane	ND	ug/L	100	100		06/21/14 07:58	74-87-3	
2-Chlorotoluene	ND	ug/L	100	100		06/21/14 07:58	95-49-8	
4-Chlorotoluene	ND	ug/L	100	100		06/21/14 07:58	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	200	100		06/21/14 07:58	96-12-8	
Dibromochloromethane	ND	ug/L	100	100		06/21/14 07:58	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	100	100		06/21/14 07:58	106-93-4	
Dibromomethane	ND	ug/L	100	100		06/21/14 07:58	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	100	100		06/21/14 07:58	95-50-1	

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ANALYTICAL RESULTS

Project: LEGION INDUSTRIES 6121-09-0444
Pace Project No.: 92205929

Sample: PZ-2 **Lab ID: 92205929005** Collected: 06/17/14 10:55 Received: 06/18/14 16:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
1,3-Dichlorobenzene	ND	ug/L	100	100		06/21/14 07:58	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	100	100		06/21/14 07:58	106-46-7	
Dichlorodifluoromethane	ND	ug/L	100	100		06/21/14 07:58	75-71-8	
1,1-Dichloroethane	ND	ug/L	100	100		06/21/14 07:58	75-34-3	
1,2-Dichloroethane	ND	ug/L	100	100		06/21/14 07:58	107-06-2	
1,1-Dichloroethene	ND	ug/L	100	100		06/21/14 07:58	75-35-4	
cis-1,2-Dichloroethene	**3340**	ug/L	100	100		06/21/14 07:58	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	100	100		06/21/14 07:58	156-60-5	
1,2-Dichloropropane	ND	ug/L	100	100		06/21/14 07:58	78-87-5	
1,3-Dichloropropane	ND	ug/L	100	100		06/21/14 07:58	142-28-9	
2,2-Dichloropropane	ND	ug/L	100	100		06/21/14 07:58	594-20-7	
1,1-Dichloropropene	ND	ug/L	100	100		06/21/14 07:58	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	100	100		06/21/14 07:58	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	100	100		06/21/14 07:58	10061-02-6	
Diisopropyl ether	ND	ug/L	100	100		06/21/14 07:58	108-20-3	
Ethylbenzene	ND	ug/L	100	100		06/21/14 07:58	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	100	100		06/21/14 07:58	87-68-3	
2-Hexanone	ND	ug/L	500	100		06/21/14 07:58	591-78-6	
p-Isopropyltoluene	ND	ug/L	100	100		06/21/14 07:58	99-87-6	
Methylene Chloride	ND	ug/L	200	100		06/21/14 07:58	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	500	100		06/21/14 07:58	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	100	100		06/21/14 07:58	1634-04-4	
Naphthalene	ND	ug/L	100	100		06/21/14 07:58	91-20-3	
Styrene	ND	ug/L	100	100		06/21/14 07:58	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	100	100		06/21/14 07:58	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	100	100		06/21/14 07:58	79-34-5	
Tetrachloroethene	ND	ug/L	100	100		06/21/14 07:58	127-18-4	
Toluene	ND	ug/L	100	100		06/21/14 07:58	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	100	100		06/21/14 07:58	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	100	100		06/21/14 07:58	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	100	100		06/21/14 07:58	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	100	100		06/21/14 07:58	79-00-5	
Trichloroethene	**10300**	ug/L	100	100		06/21/14 07:58	79-01-6	
Trichlorofluoromethane	ND	ug/L	100	100		06/21/14 07:58	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	100	100		06/21/14 07:58	96-18-4	
Vinyl acetate	ND	ug/L	200	100		06/21/14 07:58	108-05-4	
Vinyl chloride	**305**	ug/L	100	100		06/21/14 07:58	75-01-4	
Xylene (Total)	ND	ug/L	200	100		06/21/14 07:58	1330-20-7	
m&p-Xylene	ND	ug/L	200	100		06/21/14 07:58	179601-23-1	
o-Xylene	ND	ug/L	100	100		06/21/14 07:58	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	102	%	70-130	100		06/21/14 07:58	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130	100		06/21/14 07:58	17060-07-0	
Toluene-d8 (S)	99	%	70-130	100		06/21/14 07:58	2037-26-5	

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ANALYTICAL RESULTS

Project: LEGION INDUSTRIES 6121-09-0444
Pace Project No.: 92205929

Sample: MW-4 **Lab ID: 92205929006** Collected: 06/17/14 14:30 Received: 06/18/14 16:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 Organochlorine Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510							
Aldrin	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 16:38	309-00-2	
alpha-BHC	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 16:38	319-84-6	
beta-BHC	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 16:38	319-85-7	
delta-BHC	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 16:38	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 16:38	58-89-9	
Chlordane (Technical)	ND	ug/L	0.20	1	06/20/14 14:20	06/23/14 16:38	57-74-9	
4,4'-DDD	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 16:38	72-54-8	
4,4'-DDE	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 16:38	72-55-9	
4,4'-DDT	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 16:38	50-29-3	
Dieldrin	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 16:38	60-57-1	
Endosulfan I	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 16:38	959-98-8	
Endosulfan II	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 16:38	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 16:38	1031-07-8	
Endrin	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 16:38	72-20-8	
Endrin aldehyde	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 16:38	7421-93-4	
Endrin ketone	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 16:38	53494-70-5	
Heptachlor	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 16:38	76-44-8	
Heptachlor epoxide	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 16:38	1024-57-3	
Hexachlorobenzene	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 16:38	118-74-1	
Methoxychlor	ND	ug/L	0.15	1	06/20/14 14:20	06/23/14 16:38	72-43-5	
Mirex	ND	ug/L	0.15	1	06/20/14 14:20	06/23/14 16:38	2385-85-5	
Toxaphene	ND	ug/L	0.20	1	06/20/14 14:20	06/23/14 16:38	8001-35-2	
Surrogates								
Tetrachloro-m-xylene (S)	38	%	20-130	1	06/20/14 14:20	06/23/14 16:38	877-09-8	
Decachlorobiphenyl (S)	33	%	20-130	1	06/20/14 14:20	06/23/14 16:38	2051-24-3	
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		06/23/14 22:59	67-64-1	
Benzene	ND	ug/L	1.0	1		06/23/14 22:59	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		06/23/14 22:59	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		06/23/14 22:59	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		06/23/14 22:59	75-27-4	
Bromoform	ND	ug/L	1.0	1		06/23/14 22:59	75-25-2	
Bromomethane	ND	ug/L	2.0	1		06/23/14 22:59	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		06/23/14 22:59	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		06/23/14 22:59	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		06/23/14 22:59	108-90-7	
Chloroethane	ND	ug/L	1.0	1		06/23/14 22:59	75-00-3	
Chloroform	ND	ug/L	1.0	1		06/23/14 22:59	67-66-3	
Chloromethane	ND	ug/L	1.0	1		06/23/14 22:59	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		06/23/14 22:59	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		06/23/14 22:59	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1		06/23/14 22:59	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		06/23/14 22:59	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		06/23/14 22:59	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		06/23/14 22:59	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		06/23/14 22:59	95-50-1	

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ANALYTICAL RESULTS

Project: LEGION INDUSTRIES 6121-09-0444
Pace Project No.: 92205929

Sample: MW-4 **Lab ID: 92205929006** Collected: 06/17/14 14:30 Received: 06/18/14 16:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
1,3-Dichlorobenzene	ND	ug/L	1.0	1		06/23/14 22:59	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		06/23/14 22:59	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		06/23/14 22:59	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		06/23/14 22:59	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		06/23/14 22:59	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		06/23/14 22:59	75-35-4	
cis-1,2-Dichloroethene	**5.1**	ug/L	1.0	1		06/23/14 22:59	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		06/23/14 22:59	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		06/23/14 22:59	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		06/23/14 22:59	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		06/23/14 22:59	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		06/23/14 22:59	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		06/23/14 22:59	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		06/23/14 22:59	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		06/23/14 22:59	108-20-3	
Ethylbenzene	ND	ug/L	1.0	1		06/23/14 22:59	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		06/23/14 22:59	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		06/23/14 22:59	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		06/23/14 22:59	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		06/23/14 22:59	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		06/23/14 22:59	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		06/23/14 22:59	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		06/23/14 22:59	91-20-3	
Styrene	ND	ug/L	1.0	1		06/23/14 22:59	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		06/23/14 22:59	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		06/23/14 22:59	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		06/23/14 22:59	127-18-4	
Toluene	ND	ug/L	1.0	1		06/23/14 22:59	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		06/23/14 22:59	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		06/23/14 22:59	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		06/23/14 22:59	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		06/23/14 22:59	79-00-5	
Trichloroethene	**7.8**	ug/L	1.0	1		06/23/14 22:59	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		06/23/14 22:59	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		06/23/14 22:59	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		06/23/14 22:59	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		06/23/14 22:59	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		06/23/14 22:59	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		06/23/14 22:59	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		06/23/14 22:59	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	96	%	70-130	1		06/23/14 22:59	460-00-4	
1,2-Dichloroethane-d4 (S)	93	%	70-130	1		06/23/14 22:59	17060-07-0	
Toluene-d8 (S)	99	%	70-130	1		06/23/14 22:59	2037-26-5	

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ANALYTICAL RESULTS

Project: LEGION INDUSTRIES 6121-09-0444
Pace Project No.: 92205929

Sample: MW-12 **Lab ID: 92205929007** Collected: 06/17/14 15:35 Received: 06/18/14 16:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 Organochlorine Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510							
Aldrin	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 17:01	309-00-2	
alpha-BHC	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 17:01	319-84-6	
beta-BHC	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 17:01	319-85-7	
delta-BHC	**0.055**	ug/L	0.050	1	06/20/14 14:20	06/23/14 17:01	319-86-8	
gamma-BHC (Lindane)	**0.13**	ug/L	0.050	1	06/20/14 14:20	06/23/14 17:01	58-89-9	
Chlordane (Technical)	ND	ug/L	0.20	1	06/20/14 14:20	06/23/14 17:01	57-74-9	
4,4'-DDD	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 17:01	72-54-8	
4,4'-DDE	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 17:01	72-55-9	
4,4'-DDT	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 17:01	50-29-3	
Dieldrin	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 17:01	60-57-1	
Endosulfan I	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 17:01	959-98-8	
Endosulfan II	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 17:01	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 17:01	1031-07-8	
Endrin	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 17:01	72-20-8	
Endrin aldehyde	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 17:01	7421-93-4	
Endrin ketone	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 17:01	53494-70-5	
Heptachlor	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 17:01	76-44-8	
Heptachlor epoxide	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 17:01	1024-57-3	
Hexachlorobenzene	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 17:01	118-74-1	
Methoxychlor	ND	ug/L	0.15	1	06/20/14 14:20	06/23/14 17:01	72-43-5	
Mirex	ND	ug/L	0.15	1	06/20/14 14:20	06/23/14 17:01	2385-85-5	
Toxaphene	ND	ug/L	0.20	1	06/20/14 14:20	06/23/14 17:01	8001-35-2	
Surrogates								
Tetrachloro-m-xylene (S)	26	%	20-130	1	06/20/14 14:20	06/23/14 17:01	877-09-8	
Decachlorobiphenyl (S)	43	%	20-130	1	06/20/14 14:20	06/23/14 17:01	2051-24-3	
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		06/21/14 08:13	67-64-1	
Benzene	ND	ug/L	1.0	1		06/21/14 08:13	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		06/21/14 08:13	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		06/21/14 08:13	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		06/21/14 08:13	75-27-4	
Bromoform	ND	ug/L	1.0	1		06/21/14 08:13	75-25-2	
Bromomethane	ND	ug/L	2.0	1		06/21/14 08:13	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		06/21/14 08:13	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		06/21/14 08:13	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		06/21/14 08:13	108-90-7	
Chloroethane	ND	ug/L	1.0	1		06/21/14 08:13	75-00-3	
Chloroform	ND	ug/L	1.0	1		06/21/14 08:13	67-66-3	
Chloromethane	ND	ug/L	1.0	1		06/21/14 08:13	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		06/21/14 08:13	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		06/21/14 08:13	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1		06/21/14 08:13	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		06/21/14 08:13	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		06/21/14 08:13	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		06/21/14 08:13	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		06/21/14 08:13	95-50-1	

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ANALYTICAL RESULTS

Project: LEGION INDUSTRIES 6121-09-0444
Pace Project No.: 92205929

Sample: MW-12 **Lab ID: 92205929007** Collected: 06/17/14 15:35 Received: 06/18/14 16:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
1,3-Dichlorobenzene	ND	ug/L	1.0	1		06/21/14 08:13	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		06/21/14 08:13	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		06/21/14 08:13	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		06/21/14 08:13	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		06/21/14 08:13	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		06/21/14 08:13	75-35-4	
cis-1,2-Dichloroethene	**2.1**	ug/L	1.0	1		06/21/14 08:13	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		06/21/14 08:13	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		06/21/14 08:13	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		06/21/14 08:13	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		06/21/14 08:13	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		06/21/14 08:13	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		06/21/14 08:13	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		06/21/14 08:13	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		06/21/14 08:13	108-20-3	
Ethylbenzene	ND	ug/L	1.0	1		06/21/14 08:13	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		06/21/14 08:13	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		06/21/14 08:13	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		06/21/14 08:13	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		06/21/14 08:13	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		06/21/14 08:13	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		06/21/14 08:13	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		06/21/14 08:13	91-20-3	
Styrene	ND	ug/L	1.0	1		06/21/14 08:13	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		06/21/14 08:13	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		06/21/14 08:13	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		06/21/14 08:13	127-18-4	
Toluene	ND	ug/L	1.0	1		06/21/14 08:13	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		06/21/14 08:13	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		06/21/14 08:13	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		06/21/14 08:13	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		06/21/14 08:13	79-00-5	
Trichloroethene	**12.4**	ug/L	1.0	1		06/21/14 08:13	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		06/21/14 08:13	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		06/21/14 08:13	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		06/21/14 08:13	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		06/21/14 08:13	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		06/21/14 08:13	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		06/21/14 08:13	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		06/21/14 08:13	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	102	%	70-130	1		06/21/14 08:13	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130	1		06/21/14 08:13	17060-07-0	
Toluene-d8 (S)	100	%	70-130	1		06/21/14 08:13	2037-26-5	

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ANALYTICAL RESULTS

Project: LEGION INDUSTRIES 6121-09-0444
Pace Project No.: 92205929

Sample: DUP-1 **Lab ID: 92205929008** Collected: 06/17/14 15:40 Received: 06/18/14 16:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 Organochlorine Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510							
Aldrin	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 17:19	309-00-2	
alpha-BHC	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 17:19	319-84-6	
beta-BHC	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 17:19	319-85-7	
delta-BHC	**0.072**	ug/L	0.050	1	06/20/14 14:20	06/23/14 17:19	319-86-8	
gamma-BHC (Lindane)	**0.16**	ug/L	0.050	1	06/20/14 14:20	06/23/14 17:19	58-89-9	
Chlordane (Technical)	ND	ug/L	0.20	1	06/20/14 14:20	06/23/14 17:19	57-74-9	
4,4'-DDD	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 17:19	72-54-8	
4,4'-DDE	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 17:19	72-55-9	
4,4'-DDT	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 17:19	50-29-3	
Dieldrin	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 17:19	60-57-1	
Endosulfan I	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 17:19	959-98-8	
Endosulfan II	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 17:19	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 17:19	1031-07-8	
Endrin	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 17:19	72-20-8	
Endrin aldehyde	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 17:19	7421-93-4	
Endrin ketone	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 17:19	53494-70-5	
Heptachlor	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 17:19	76-44-8	
Heptachlor epoxide	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 17:19	1024-57-3	
Hexachlorobenzene	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 17:19	118-74-1	
Methoxychlor	ND	ug/L	0.15	1	06/20/14 14:20	06/23/14 17:19	72-43-5	
Mirex	ND	ug/L	0.15	1	06/20/14 14:20	06/23/14 17:19	2385-85-5	
Toxaphene	ND	ug/L	0.20	1	06/20/14 14:20	06/23/14 17:19	8001-35-2	
Surrogates								
Tetrachloro-m-xylene (S)	23	%	20-130	1	06/20/14 14:20	06/23/14 17:19	877-09-8	
Decachlorobiphenyl (S)	62	%	20-130	1	06/20/14 14:20	06/23/14 17:19	2051-24-3	
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		06/23/14 23:16	67-64-1	
Benzene	ND	ug/L	1.0	1		06/23/14 23:16	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		06/23/14 23:16	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		06/23/14 23:16	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		06/23/14 23:16	75-27-4	
Bromoform	ND	ug/L	1.0	1		06/23/14 23:16	75-25-2	
Bromomethane	ND	ug/L	2.0	1		06/23/14 23:16	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		06/23/14 23:16	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		06/23/14 23:16	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		06/23/14 23:16	108-90-7	
Chloroethane	ND	ug/L	1.0	1		06/23/14 23:16	75-00-3	
Chloroform	ND	ug/L	1.0	1		06/23/14 23:16	67-66-3	
Chloromethane	ND	ug/L	1.0	1		06/23/14 23:16	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		06/23/14 23:16	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		06/23/14 23:16	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1		06/23/14 23:16	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		06/23/14 23:16	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		06/23/14 23:16	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		06/23/14 23:16	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		06/23/14 23:16	95-50-1	

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ANALYTICAL RESULTS

Project: LEGION INDUSTRIES 6121-09-0444
Pace Project No.: 92205929

Sample: DUP-1 **Lab ID: 92205929008** Collected: 06/17/14 15:40 Received: 06/18/14 16:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
1,3-Dichlorobenzene	ND	ug/L	1.0	1		06/23/14 23:16	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		06/23/14 23:16	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		06/23/14 23:16	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		06/23/14 23:16	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		06/23/14 23:16	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		06/23/14 23:16	75-35-4	
cis-1,2-Dichloroethene	**2.4**	ug/L	1.0	1		06/23/14 23:16	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		06/23/14 23:16	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		06/23/14 23:16	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		06/23/14 23:16	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		06/23/14 23:16	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		06/23/14 23:16	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		06/23/14 23:16	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		06/23/14 23:16	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		06/23/14 23:16	108-20-3	
Ethylbenzene	ND	ug/L	1.0	1		06/23/14 23:16	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		06/23/14 23:16	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		06/23/14 23:16	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		06/23/14 23:16	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		06/23/14 23:16	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		06/23/14 23:16	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		06/23/14 23:16	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		06/23/14 23:16	91-20-3	
Styrene	ND	ug/L	1.0	1		06/23/14 23:16	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		06/23/14 23:16	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		06/23/14 23:16	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		06/23/14 23:16	127-18-4	
Toluene	ND	ug/L	1.0	1		06/23/14 23:16	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		06/23/14 23:16	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		06/23/14 23:16	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		06/23/14 23:16	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		06/23/14 23:16	79-00-5	
Trichloroethene	**13.2**	ug/L	1.0	1		06/23/14 23:16	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		06/23/14 23:16	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		06/23/14 23:16	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		06/23/14 23:16	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		06/23/14 23:16	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		06/23/14 23:16	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		06/23/14 23:16	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		06/23/14 23:16	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	98	%	70-130	1		06/23/14 23:16	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	70-130	1		06/23/14 23:16	17060-07-0	
Toluene-d8 (S)	97	%	70-130	1		06/23/14 23:16	2037-26-5	

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ANALYTICAL RESULTS

Project: LEGION INDUSTRIES 6121-09-0444
Pace Project No.: 92205929

Sample: MW-2 **Lab ID: 92205929009** Collected: 06/16/14 13:50 Received: 06/18/14 16:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 Organochlorine Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510							
Aldrin	ND	ug/L	1.0	20	06/20/14 14:20	06/25/14 12:35	309-00-2	
alpha-BHC	**5.3**	ug/L	1.0	20	06/20/14 14:20	06/25/14 12:35	319-84-6	
beta-BHC	ND	ug/L	1.0	20	06/20/14 14:20	06/25/14 12:35	319-85-7	
delta-BHC	**8.1**	ug/L	1.0	20	06/20/14 14:20	06/25/14 12:35	319-86-8	
gamma-BHC (Lindane)	**1.9**	ug/L	1.0	20	06/20/14 14:20	06/25/14 12:35	58-89-9	
Chlordane (Technical)	ND	ug/L	4.0	20	06/20/14 14:20	06/25/14 12:35	57-74-9	
4,4'-DDD	ND	ug/L	1.0	20	06/20/14 14:20	06/25/14 12:35	72-54-8	
4,4'-DDE	ND	ug/L	1.0	20	06/20/14 14:20	06/25/14 12:35	72-55-9	
4,4'-DDT	ND	ug/L	1.0	20	06/20/14 14:20	06/25/14 12:35	50-29-3	
Dieldrin	**1.8**	ug/L	1.0	20	06/20/14 14:20	06/25/14 12:35	60-57-1	
Endosulfan I	ND	ug/L	1.0	20	06/20/14 14:20	06/25/14 12:35	959-98-8	
Endosulfan II	ND	ug/L	1.0	20	06/20/14 14:20	06/25/14 12:35	33213-65-9	
Endosulfan sulfate	ND	ug/L	1.0	20	06/20/14 14:20	06/25/14 12:35	1031-07-8	
Endrin	ND	ug/L	1.0	20	06/20/14 14:20	06/25/14 12:35	72-20-8	
Endrin aldehyde	ND	ug/L	1.0	20	06/20/14 14:20	06/25/14 12:35	7421-93-4	
Endrin ketone	ND	ug/L	1.0	20	06/20/14 14:20	06/25/14 12:35	53494-70-5	
Heptachlor	ND	ug/L	1.0	20	06/20/14 14:20	06/25/14 12:35	76-44-8	
Heptachlor epoxide	ND	ug/L	1.0	20	06/20/14 14:20	06/25/14 12:35	1024-57-3	
Hexachlorobenzene	ND	ug/L	1.0	20	06/20/14 14:20	06/25/14 12:35	118-74-1	
Methoxychlor	ND	ug/L	3.0	20	06/20/14 14:20	06/25/14 12:35	72-43-5	
Mirex	ND	ug/L	3.0	20	06/20/14 14:20	06/25/14 12:35	2385-85-5	
Toxaphene	ND	ug/L	4.0	20	06/20/14 14:20	06/25/14 12:35	8001-35-2	
Surrogates								
Tetrachloro-m-xylene (S)	0	%	20-130	20	06/20/14 14:20	06/25/14 12:35	877-09-8	S4
Decachlorobiphenyl (S)	0	%	20-130	20	06/20/14 14:20	06/25/14 12:35	2051-24-3	
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		06/21/14 08:29	67-64-1	
Benzene	**3.9**	ug/L	1.0	1		06/21/14 08:29	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		06/21/14 08:29	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		06/21/14 08:29	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		06/21/14 08:29	75-27-4	
Bromoform	ND	ug/L	1.0	1		06/21/14 08:29	75-25-2	
Bromomethane	ND	ug/L	2.0	1		06/21/14 08:29	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		06/21/14 08:29	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		06/21/14 08:29	56-23-5	
Chlorobenzene	**11.8**	ug/L	1.0	1		06/21/14 08:29	108-90-7	
Chloroethane	ND	ug/L	1.0	1		06/21/14 08:29	75-00-3	
Chloroform	ND	ug/L	1.0	1		06/21/14 08:29	67-66-3	
Chloromethane	ND	ug/L	1.0	1		06/21/14 08:29	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		06/21/14 08:29	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		06/21/14 08:29	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1		06/21/14 08:29	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		06/21/14 08:29	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		06/21/14 08:29	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		06/21/14 08:29	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		06/21/14 08:29	95-50-1	

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ANALYTICAL RESULTS

Project: LEGION INDUSTRIES 6121-09-0444
Pace Project No.: 92205929

Sample: MW-2 **Lab ID: 92205929009** Collected: 06/16/14 13:50 Received: 06/18/14 16:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
1,3-Dichlorobenzene	ND	ug/L	1.0	1		06/21/14 08:29	541-73-1	
1,4-Dichlorobenzene	**3.0**	ug/L	1.0	1		06/21/14 08:29	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		06/21/14 08:29	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		06/21/14 08:29	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		06/21/14 08:29	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		06/21/14 08:29	75-35-4	
cis-1,2-Dichloroethene	**160**	ug/L	1.0	1		06/21/14 08:29	156-59-2	
trans-1,2-Dichloroethene	**1.1**	ug/L	1.0	1		06/21/14 08:29	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		06/21/14 08:29	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		06/21/14 08:29	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		06/21/14 08:29	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		06/21/14 08:29	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		06/21/14 08:29	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		06/21/14 08:29	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		06/21/14 08:29	108-20-3	
Ethylbenzene	**2.5**	ug/L	1.0	1		06/21/14 08:29	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		06/21/14 08:29	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		06/21/14 08:29	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		06/21/14 08:29	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		06/21/14 08:29	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		06/21/14 08:29	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		06/21/14 08:29	1634-04-4	
Naphthalene	**10.5**	ug/L	1.0	1		06/21/14 08:29	91-20-3	
Styrene	ND	ug/L	1.0	1		06/21/14 08:29	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		06/21/14 08:29	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		06/21/14 08:29	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		06/21/14 08:29	127-18-4	
Toluene	ND	ug/L	1.0	1		06/21/14 08:29	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		06/21/14 08:29	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		06/21/14 08:29	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		06/21/14 08:29	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		06/21/14 08:29	79-00-5	
Trichloroethene	**2.1**	ug/L	1.0	1		06/21/14 08:29	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		06/21/14 08:29	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		06/21/14 08:29	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		06/21/14 08:29	108-05-4	
Vinyl chloride	**159**	ug/L	1.0	1		06/21/14 08:29	75-01-4	
Xylene (Total)	**6.1**	ug/L	2.0	1		06/21/14 08:29	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		06/21/14 08:29	179601-23-1	
o-Xylene	**6.1**	ug/L	1.0	1		06/21/14 08:29	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	102	%	70-130	1		06/21/14 08:29	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130	1		06/21/14 08:29	17060-07-0	
Toluene-d8 (S)	101	%	70-130	1		06/21/14 08:29	2037-26-5	

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ANALYTICAL RESULTS

Project: LEGION INDUSTRIES 6121-09-0444
Pace Project No.: 92205929

Sample: MW-1 **Lab ID: 92205929010** Collected: 06/16/14 16:15 Received: 06/18/14 16:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 Organochlorine Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510							
Aldrin	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 17:56	309-00-2	
alpha-BHC	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 17:56	319-84-6	
beta-BHC	**0.11**	ug/L	0.050	1	06/20/14 14:20	06/23/14 17:56	319-85-7	
delta-BHC	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 17:56	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 17:56	58-89-9	
Chlordane (Technical)	ND	ug/L	0.20	1	06/20/14 14:20	06/23/14 17:56	57-74-9	
4,4'-DDD	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 17:56	72-54-8	
4,4'-DDE	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 17:56	72-55-9	
4,4'-DDT	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 17:56	50-29-3	
Dieldrin	**0.12**	ug/L	0.050	1	06/20/14 14:20	06/23/14 17:56	60-57-1	
Endosulfan I	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 17:56	959-98-8	
Endosulfan II	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 17:56	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 17:56	1031-07-8	
Endrin	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 17:56	72-20-8	
Endrin aldehyde	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 17:56	7421-93-4	
Endrin ketone	**0.24**	ug/L	0.050	1	06/20/14 14:20	06/23/14 17:56	53494-70-5	
Heptachlor	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 17:56	76-44-8	
Heptachlor epoxide	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 17:56	1024-57-3	
Hexachlorobenzene	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 17:56	118-74-1	
Methoxychlor	ND	ug/L	0.15	1	06/20/14 14:20	06/23/14 17:56	72-43-5	
Mirex	ND	ug/L	0.15	1	06/20/14 14:20	06/23/14 17:56	2385-85-5	
Toxaphene	ND	ug/L	0.20	1	06/20/14 14:20	06/23/14 17:56	8001-35-2	
Surrogates								
Tetrachloro-m-xylene (S)	45	%	20-130	1	06/20/14 14:20	06/23/14 17:56	877-09-8	
Decachlorobiphenyl (S)	53	%	20-130	1	06/20/14 14:20	06/23/14 17:56	2051-24-3	
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		06/21/14 08:45	67-64-1	
Benzene	ND	ug/L	1.0	1		06/21/14 08:45	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		06/21/14 08:45	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		06/21/14 08:45	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		06/21/14 08:45	75-27-4	
Bromoform	ND	ug/L	1.0	1		06/21/14 08:45	75-25-2	
Bromomethane	ND	ug/L	2.0	1		06/21/14 08:45	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		06/21/14 08:45	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		06/21/14 08:45	56-23-5	
Chlorobenzene	**1.4**	ug/L	1.0	1		06/21/14 08:45	108-90-7	
Chloroethane	ND	ug/L	1.0	1		06/21/14 08:45	75-00-3	
Chloroform	ND	ug/L	1.0	1		06/21/14 08:45	67-66-3	
Chloromethane	ND	ug/L	1.0	1		06/21/14 08:45	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		06/21/14 08:45	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		06/21/14 08:45	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1		06/21/14 08:45	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		06/21/14 08:45	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		06/21/14 08:45	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		06/21/14 08:45	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		06/21/14 08:45	95-50-1	

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ANALYTICAL RESULTS

Project: LEGION INDUSTRIES 6121-09-0444
Pace Project No.: 92205929

Sample: MW-1 **Lab ID: 92205929010** Collected: 06/16/14 16:15 Received: 06/18/14 16:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
1,3-Dichlorobenzene	ND	ug/L	1.0	1		06/21/14 08:45	541-73-1	
1,4-Dichlorobenzene	**1.2**	ug/L	1.0	1		06/21/14 08:45	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		06/21/14 08:45	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		06/21/14 08:45	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		06/21/14 08:45	107-06-2	
1,1-Dichloroethene	**2.2**	ug/L	1.0	1		06/21/14 08:45	75-35-4	
cis-1,2-Dichloroethene	**902**	ug/L	20.0	20		06/23/14 19:57	156-59-2	
trans-1,2-Dichloroethene	**2.9**	ug/L	1.0	1		06/21/14 08:45	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		06/21/14 08:45	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		06/21/14 08:45	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		06/21/14 08:45	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		06/21/14 08:45	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		06/21/14 08:45	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		06/21/14 08:45	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		06/21/14 08:45	108-20-3	
Ethylbenzene	ND	ug/L	1.0	1		06/21/14 08:45	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		06/21/14 08:45	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		06/21/14 08:45	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		06/21/14 08:45	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		06/21/14 08:45	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		06/21/14 08:45	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		06/21/14 08:45	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		06/21/14 08:45	91-20-3	
Styrene	ND	ug/L	1.0	1		06/21/14 08:45	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		06/21/14 08:45	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		06/21/14 08:45	79-34-5	
Tetrachloroethene	**1.2**	ug/L	1.0	1		06/21/14 08:45	127-18-4	
Toluene	ND	ug/L	1.0	1		06/21/14 08:45	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		06/21/14 08:45	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		06/21/14 08:45	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		06/21/14 08:45	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		06/21/14 08:45	79-00-5	
Trichloroethene	**788**	ug/L	20.0	20		06/23/14 19:57	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		06/21/14 08:45	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		06/21/14 08:45	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		06/21/14 08:45	108-05-4	
Vinyl chloride	**160**	ug/L	1.0	1		06/21/14 08:45	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		06/21/14 08:45	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		06/21/14 08:45	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		06/21/14 08:45	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	101	%	70-130	1		06/21/14 08:45	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130	1		06/21/14 08:45	17060-07-0	
Toluene-d8 (S)	100	%	70-130	1		06/21/14 08:45	2037-26-5	

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ANALYTICAL RESULTS

Project: LEGION INDUSTRIES 6121-09-0444
Pace Project No.: 92205929

Sample: MW-7 **Lab ID: 92205929011** Collected: 06/17/14 09:15 Received: 06/18/14 16:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 Organochlorine Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510							
Aldrin	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 18:14	309-00-2	
alpha-BHC	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 18:14	319-84-6	
beta-BHC	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 18:14	319-85-7	
delta-BHC	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 18:14	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 18:14	58-89-9	
Chlordane (Technical)	ND	ug/L	0.20	1	06/20/14 14:20	06/23/14 18:14	57-74-9	
4,4'-DDD	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 18:14	72-54-8	
4,4'-DDE	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 18:14	72-55-9	
4,4'-DDT	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 18:14	50-29-3	
Dieldrin	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 18:14	60-57-1	
Endosulfan I	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 18:14	959-98-8	
Endosulfan II	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 18:14	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 18:14	1031-07-8	
Endrin	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 18:14	72-20-8	
Endrin aldehyde	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 18:14	7421-93-4	
Endrin ketone	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 18:14	53494-70-5	
Heptachlor	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 18:14	76-44-8	
Heptachlor epoxide	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 18:14	1024-57-3	
Hexachlorobenzene	ND	ug/L	0.050	1	06/20/14 14:20	06/23/14 18:14	118-74-1	
Methoxychlor	ND	ug/L	0.15	1	06/20/14 14:20	06/23/14 18:14	72-43-5	
Mirex	ND	ug/L	0.15	1	06/20/14 14:20	06/23/14 18:14	2385-85-5	
Toxaphene	ND	ug/L	0.20	1	06/20/14 14:20	06/23/14 18:14	8001-35-2	
Surrogates								
Tetrachloro-m-xylene (S)	21	%	20-130	1	06/20/14 14:20	06/23/14 18:14	877-09-8	
Decachlorobiphenyl (S)	60	%	20-130	1	06/20/14 14:20	06/23/14 18:14	2051-24-3	
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		06/21/14 09:00	67-64-1	
Benzene	ND	ug/L	1.0	1		06/21/14 09:00	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		06/21/14 09:00	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		06/21/14 09:00	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		06/21/14 09:00	75-27-4	
Bromoform	ND	ug/L	1.0	1		06/21/14 09:00	75-25-2	
Bromomethane	ND	ug/L	2.0	1		06/21/14 09:00	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		06/21/14 09:00	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		06/21/14 09:00	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		06/21/14 09:00	108-90-7	
Chloroethane	ND	ug/L	1.0	1		06/21/14 09:00	75-00-3	
Chloroform	ND	ug/L	1.0	1		06/21/14 09:00	67-66-3	
Chloromethane	ND	ug/L	1.0	1		06/21/14 09:00	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		06/21/14 09:00	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		06/21/14 09:00	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1		06/21/14 09:00	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		06/21/14 09:00	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		06/21/14 09:00	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		06/21/14 09:00	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		06/21/14 09:00	95-50-1	

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ANALYTICAL RESULTS

Project: LEGION INDUSTRIES 6121-09-0444
Pace Project No.: 92205929

Sample: MW-7 **Lab ID: 92205929011** Collected: 06/17/14 09:15 Received: 06/18/14 16:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
1,3-Dichlorobenzene	ND	ug/L	1.0	1		06/21/14 09:00	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		06/21/14 09:00	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		06/21/14 09:00	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		06/21/14 09:00	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		06/21/14 09:00	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		06/21/14 09:00	75-35-4	
cis-1,2-Dichloroethene	**17.4**	ug/L	1.0	1		06/21/14 09:00	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		06/21/14 09:00	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		06/21/14 09:00	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		06/21/14 09:00	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		06/21/14 09:00	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		06/21/14 09:00	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		06/21/14 09:00	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		06/21/14 09:00	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		06/21/14 09:00	108-20-3	
Ethylbenzene	ND	ug/L	1.0	1		06/21/14 09:00	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		06/21/14 09:00	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		06/21/14 09:00	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		06/21/14 09:00	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		06/21/14 09:00	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		06/21/14 09:00	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		06/21/14 09:00	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		06/21/14 09:00	91-20-3	
Styrene	ND	ug/L	1.0	1		06/21/14 09:00	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		06/21/14 09:00	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		06/21/14 09:00	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		06/21/14 09:00	127-18-4	
Toluene	ND	ug/L	1.0	1		06/21/14 09:00	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		06/21/14 09:00	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		06/21/14 09:00	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		06/21/14 09:00	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		06/21/14 09:00	79-00-5	
Trichloroethene	**16.9**	ug/L	1.0	1		06/21/14 09:00	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		06/21/14 09:00	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		06/21/14 09:00	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		06/21/14 09:00	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		06/21/14 09:00	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		06/21/14 09:00	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		06/21/14 09:00	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		06/21/14 09:00	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	100	%	70-130	1		06/21/14 09:00	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130	1		06/21/14 09:00	17060-07-0	
Toluene-d8 (S)	98	%	70-130	1		06/21/14 09:00	2037-26-5	

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ANALYTICAL RESULTS

Project: LEGION INDUSTRIES 6121-09-0444
Pace Project No.: 92205929

Sample: TRIP BLANK **Lab ID: 92205929012** Collected: 06/16/14 00:00 Received: 06/18/14 16:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		06/21/14 09:16	67-64-1	
Benzene	ND	ug/L	1.0	1		06/21/14 09:16	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		06/21/14 09:16	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		06/21/14 09:16	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		06/21/14 09:16	75-27-4	
Bromoform	ND	ug/L	1.0	1		06/21/14 09:16	75-25-2	
Bromomethane	ND	ug/L	2.0	1		06/21/14 09:16	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		06/21/14 09:16	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		06/21/14 09:16	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		06/21/14 09:16	108-90-7	
Chloroethane	ND	ug/L	1.0	1		06/21/14 09:16	75-00-3	
Chloroform	ND	ug/L	1.0	1		06/21/14 09:16	67-66-3	
Chloromethane	ND	ug/L	1.0	1		06/21/14 09:16	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		06/21/14 09:16	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		06/21/14 09:16	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1		06/21/14 09:16	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		06/21/14 09:16	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		06/21/14 09:16	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		06/21/14 09:16	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		06/21/14 09:16	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		06/21/14 09:16	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		06/21/14 09:16	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		06/21/14 09:16	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		06/21/14 09:16	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		06/21/14 09:16	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		06/21/14 09:16	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		06/21/14 09:16	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		06/21/14 09:16	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		06/21/14 09:16	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		06/21/14 09:16	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		06/21/14 09:16	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		06/21/14 09:16	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		06/21/14 09:16	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		06/21/14 09:16	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		06/21/14 09:16	108-20-3	
Ethylbenzene	ND	ug/L	1.0	1		06/21/14 09:16	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		06/21/14 09:16	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		06/21/14 09:16	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		06/21/14 09:16	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		06/21/14 09:16	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		06/21/14 09:16	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		06/21/14 09:16	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		06/21/14 09:16	91-20-3	
Styrene	ND	ug/L	1.0	1		06/21/14 09:16	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		06/21/14 09:16	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		06/21/14 09:16	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		06/21/14 09:16	127-18-4	

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ANALYTICAL RESULTS

Project: LEGION INDUSTRIES 6121-09-0444
Pace Project No.: 92205929

Sample: TRIP BLANK **Lab ID: 92205929012** Collected: 06/16/14 00:00 Received: 06/18/14 16:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Toluene	ND	ug/L	1.0	1		06/21/14 09:16	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		06/21/14 09:16	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		06/21/14 09:16	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		06/21/14 09:16	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		06/21/14 09:16	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		06/21/14 09:16	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		06/21/14 09:16	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		06/21/14 09:16	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		06/21/14 09:16	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		06/21/14 09:16	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		06/21/14 09:16	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		06/21/14 09:16	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		06/21/14 09:16	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	101	%	70-130	1		06/21/14 09:16	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130	1		06/21/14 09:16	17060-07-0	
Toluene-d8 (S)	99	%	70-130	1		06/21/14 09:16	2037-26-5	

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ANALYTICAL RESULTS

Project: LEGION INDUSTRIES 6121-09-0444
Pace Project No.: 92205929

Sample: MW-14-2-3' **Lab ID: 92205929013** Collected: 06/17/14 11:05 Received: 06/18/14 16:35 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**15.6**	%	0.10	1		06/20/14 17:58		
Total Organic Carbon	Analytical Method: EPA 9060 Modified							
Surrogates								
RPD%	**5.0**	%	0.10	1		06/25/14 08:00		
Total Organic Carbon	**1500**	mg/kg	711	1		06/25/14 08:00	7440-44-0	
Total Organic Carbon	**1580**	mg/kg	711	1		06/25/14 08:06	7440-44-0	
Mean Total Organic Carbon	**1540**	mg/kg	711	1		06/25/14 08:00	7440-44-0	

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ANALYTICAL RESULTS

Project: LEGION INDUSTRIES 6121-09-0444
Pace Project No.: 92205929

Sample: MW-16-1-2' **Lab ID: 92205929014** Collected: 06/17/14 14:10 Received: 06/18/14 16:35 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**8.9**	%	0.10	1		06/20/14 17:58		
Total Organic Carbon	Analytical Method: EPA 9060 Modified							
Surrogates								
RPD%	**4.5**	%	0.10	1		06/25/14 08:34		
Total Organic Carbon	**2150**	mg/kg	817	1		06/25/14 08:34	7440-44-0	
Total Organic Carbon	**2050**	mg/kg	812	1		06/25/14 08:40	7440-44-0	
Mean Total Organic Carbon	**2100**	mg/kg	814	1		06/25/14 08:34	7440-44-0	

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ANALYTICAL RESULTS

Project: LEGION INDUSTRIES 6121-09-0444
Pace Project No.: 92205929

Sample: MW-17-6-7' **Lab ID: 92205929015** Collected: 06/17/14 15:20 Received: 06/18/14 16:35 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**16.0**	%	0.10	1		06/20/14 17:59		
Total Organic Carbon	Analytical Method: EPA 9060 Modified							
Surrogates								
RPD%	**12.2**	%	0.10	1		06/25/14 08:46		
Total Organic Carbon	**764**	mg/kg	714	1		06/25/14 08:46	7440-44-0	
Total Organic Carbon	ND	mg/kg	714	1		06/25/14 08:51	7440-44-0	
Mean Total Organic Carbon	**720**	mg/kg	714	1		06/25/14 08:46	7440-44-0	

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QUALITY CONTROL DATA

Project: LEGION INDUSTRIES 6121-09-0444
Pace Project No.: 92205929

QC Batch: MSV/27287 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level
Associated Lab Samples: 92205929001, 92205929002, 92205929003, 92205929005, 92205929007, 92205929009, 92205929010, 92205929011, 92205929012

METHOD BLANK: 1225940 Matrix: Water
Associated Lab Samples: 92205929001, 92205929002, 92205929003, 92205929005, 92205929007, 92205929009, 92205929010, 92205929011, 92205929012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	06/21/14 04:34	
1,1,1-Trichloroethane	ug/L	ND	1.0	06/21/14 04:34	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	06/21/14 04:34	
1,1,2-Trichloroethane	ug/L	ND	1.0	06/21/14 04:34	
1,1-Dichloroethane	ug/L	ND	1.0	06/21/14 04:34	
1,1-Dichloroethene	ug/L	ND	1.0	06/21/14 04:34	
1,1-Dichloropropene	ug/L	ND	1.0	06/21/14 04:34	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	06/21/14 04:34	
1,2,3-Trichloropropane	ug/L	ND	1.0	06/21/14 04:34	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	06/21/14 04:34	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.0	06/21/14 04:34	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	06/21/14 04:34	
1,2-Dichlorobenzene	ug/L	ND	1.0	06/21/14 04:34	
1,2-Dichloroethane	ug/L	ND	1.0	06/21/14 04:34	
1,2-Dichloropropane	ug/L	ND	1.0	06/21/14 04:34	
1,3-Dichlorobenzene	ug/L	ND	1.0	06/21/14 04:34	
1,3-Dichloropropane	ug/L	ND	1.0	06/21/14 04:34	
1,4-Dichlorobenzene	ug/L	ND	1.0	06/21/14 04:34	
2,2-Dichloropropane	ug/L	ND	1.0	06/21/14 04:34	
2-Butanone (MEK)	ug/L	ND	5.0	06/21/14 04:34	
2-Chlorotoluene	ug/L	ND	1.0	06/21/14 04:34	
2-Hexanone	ug/L	ND	5.0	06/21/14 04:34	
4-Chlorotoluene	ug/L	ND	1.0	06/21/14 04:34	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	06/21/14 04:34	
Acetone	ug/L	ND	25.0	06/21/14 04:34	
Benzene	ug/L	ND	1.0	06/21/14 04:34	
Bromobenzene	ug/L	ND	1.0	06/21/14 04:34	
Bromochloromethane	ug/L	ND	1.0	06/21/14 04:34	
Bromodichloromethane	ug/L	ND	1.0	06/21/14 04:34	
Bromoform	ug/L	ND	1.0	06/21/14 04:34	
Bromomethane	ug/L	ND	2.0	06/21/14 04:34	
Carbon tetrachloride	ug/L	ND	1.0	06/21/14 04:34	
Chlorobenzene	ug/L	ND	1.0	06/21/14 04:34	
Chloroethane	ug/L	ND	1.0	06/21/14 04:34	
Chloroform	ug/L	ND	1.0	06/21/14 04:34	
Chloromethane	ug/L	ND	1.0	06/21/14 04:34	
cis-1,2-Dichloroethene	ug/L	ND	1.0	06/21/14 04:34	
cis-1,3-Dichloropropene	ug/L	ND	1.0	06/21/14 04:34	
Dibromochloromethane	ug/L	ND	1.0	06/21/14 04:34	
Dibromomethane	ug/L	ND	1.0	06/21/14 04:34	

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QUALITY CONTROL DATA

Project: LEGION INDUSTRIES 6121-09-0444
Pace Project No.: 92205929

METHOD BLANK: 1225940 Matrix: Water

Associated Lab Samples: 92205929001, 92205929002, 92205929003, 92205929005, 92205929007, 92205929009, 92205929010, 92205929011, 92205929012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	ND	1.0	06/21/14 04:34	
Diisopropyl ether	ug/L	ND	1.0	06/21/14 04:34	
Ethylbenzene	ug/L	ND	1.0	06/21/14 04:34	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	06/21/14 04:34	
m&p-Xylene	ug/L	ND	2.0	06/21/14 04:34	
Methyl-tert-butyl ether	ug/L	ND	1.0	06/21/14 04:34	
Methylene Chloride	ug/L	ND	2.0	06/21/14 04:34	
Naphthalene	ug/L	ND	1.0	06/21/14 04:34	
o-Xylene	ug/L	ND	1.0	06/21/14 04:34	
p-Isopropyltoluene	ug/L	ND	1.0	06/21/14 04:34	
Styrene	ug/L	ND	1.0	06/21/14 04:34	
Tetrachloroethene	ug/L	ND	1.0	06/21/14 04:34	
Toluene	ug/L	ND	1.0	06/21/14 04:34	
trans-1,2-Dichloroethene	ug/L	ND	1.0	06/21/14 04:34	
trans-1,3-Dichloropropene	ug/L	ND	1.0	06/21/14 04:34	
Trichloroethene	ug/L	ND	1.0	06/21/14 04:34	
Trichlorofluoromethane	ug/L	ND	1.0	06/21/14 04:34	
Vinyl acetate	ug/L	ND	2.0	06/21/14 04:34	
Vinyl chloride	ug/L	ND	1.0	06/21/14 04:34	
Xylene (Total)	ug/L	ND	2.0	06/21/14 04:34	
1,2-Dichloroethane-d4 (S)	%	101	70-130	06/21/14 04:34	
4-Bromofluorobenzene (S)	%	100	70-130	06/21/14 04:34	
Toluene-d8 (S)	%	100	70-130	06/21/14 04:34	

LABORATORY CONTROL SAMPLE: 1225941

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	51.0	102	70-130	
1,1,1-Trichloroethane	ug/L	50	51.6	103	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	53.7	107	70-130	
1,1,2-Trichloroethane	ug/L	50	51.0	102	70-130	
1,1-Dichloroethane	ug/L	50	46.6	93	70-130	
1,1-Dichloroethene	ug/L	50	57.3	115	70-132	
1,1-Dichloropropene	ug/L	50	55.2	110	70-130	
1,2,3-Trichlorobenzene	ug/L	50	63.7	127	70-135	
1,2,3-Trichloropropane	ug/L	50	54.5	109	70-130	
1,2,4-Trichlorobenzene	ug/L	50	60.0	120	70-134	
1,2-Dibromo-3-chloropropane	ug/L	50	52.8	106	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	51.3	103	70-130	
1,2-Dichlorobenzene	ug/L	50	52.5	105	70-130	
1,2-Dichloroethane	ug/L	50	48.9	98	70-130	
1,2-Dichloropropane	ug/L	50	48.7	97	70-130	
1,3-Dichlorobenzene	ug/L	50	50.8	102	70-130	

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QUALITY CONTROL DATA

Project: LEGION INDUSTRIES 6121-09-0444
Pace Project No.: 92205929

LABORATORY CONTROL SAMPLE: 1225941

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3-Dichloropropane	ug/L	50	50.0	100	70-130	
1,4-Dichlorobenzene	ug/L	50	51.6	103	70-130	
2,2-Dichloropropane	ug/L	50	42.5	85	58-145	
2-Butanone (MEK)	ug/L	100	108	108	70-145	
2-Chlorotoluene	ug/L	50	50.8	102	70-130	
2-Hexanone	ug/L	100	108	108	70-144	
4-Chlorotoluene	ug/L	50	49.6	99	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	114	114	70-140	
Acetone	ug/L	100	106	106	50-175	
Benzene	ug/L	50	51.8	104	70-130	
Bromobenzene	ug/L	50	50.4	101	70-130	
Bromochloromethane	ug/L	50	51.7	103	70-130	
Bromodichloromethane	ug/L	50	49.8	100	70-130	
Bromoform	ug/L	50	53.7	107	70-130	
Bromomethane	ug/L	50	44.4	89	54-130	
Carbon tetrachloride	ug/L	50	57.5	115	70-132	
Chlorobenzene	ug/L	50	51.4	103	70-130	
Chloroethane	ug/L	50	49.6	99	64-134	
Chloroform	ug/L	50	46.3	93	70-130	
Chloromethane	ug/L	50	48.2	96	64-130	
cis-1,2-Dichloroethene	ug/L	50	48.8	98	70-131	
cis-1,3-Dichloropropene	ug/L	50	49.3	99	70-130	
Dibromochloromethane	ug/L	50	49.4	99	70-130	
Dibromomethane	ug/L	50	49.9	100	70-131	
Dichlorodifluoromethane	ug/L	50	67.2	134	56-130	F3,L0
Diisopropyl ether	ug/L	50	50.1	100	70-130	
Ethylbenzene	ug/L	50	53.5	107	70-130	
Hexachloro-1,3-butadiene	ug/L	50	64.5	129	70-130	
m&p-Xylene	ug/L	100	104	104	70-130	
Methyl-tert-butyl ether	ug/L	50	54.4	109	70-130	
Methylene Chloride	ug/L	50	51.4	103	63-130	
Naphthalene	ug/L	50	61.9	124	70-138	
o-Xylene	ug/L	50	55.1	110	70-130	
p-Isopropyltoluene	ug/L	50	53.0	106	70-130	
Styrene	ug/L	50	52.9	106	70-130	
Tetrachloroethene	ug/L	50	54.0	108	70-130	
Toluene	ug/L	50	52.0	104	70-130	
trans-1,2-Dichloroethene	ug/L	50	51.0	102	70-130	
trans-1,3-Dichloropropene	ug/L	50	50.0	100	70-132	
Trichloroethene	ug/L	50	52.0	104	70-130	
Trichlorofluoromethane	ug/L	50	51.2	102	62-133	
Vinyl acetate	ug/L	100	95.4	95	66-157	
Vinyl chloride	ug/L	50	62.6	125	50-150	F3
Xylene (Total)	ug/L	150	159	106	70-130	
1,2-Dichloroethane-d4 (S)	%			102	70-130	
4-Bromofluorobenzene (S)	%			103	70-130	
Toluene-d8 (S)	%			101	70-130	

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QUALITY CONTROL DATA

Project: LEGION INDUSTRIES 6121-09-0444
Pace Project No.: 92205929

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1227315 1227316

Parameter	Units	92205929001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,1-Dichloroethene	ug/L	ND	50	50	53.5	53.9	107	108	70-166	1	
Benzene	ug/L	ND	50	50	52.3	53.6	105	107	70-148	2	
Chlorobenzene	ug/L	ND	50	50	51.3	53.2	103	106	70-146	4	
Toluene	ug/L	ND	50	50	48.7	50.0	97	100	70-155	3	
Trichloroethene	ug/L	ND	50	50	52.8	54.1	106	108	69-151	2	
1,2-Dichloroethane-d4 (S)	%						97	96	70-130		
4-Bromofluorobenzene (S)	%						100	99	70-130		
Toluene-d8 (S)	%						98	99	70-130		

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QUALITY CONTROL DATA

Project: LEGION INDUSTRIES 6121-09-0444
Pace Project No.: 92205929

QC Batch: MSV/27314 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level
Associated Lab Samples: 92205929004, 92205929006, 92205929008

METHOD BLANK: 1227385 Matrix: Water
Associated Lab Samples: 92205929004, 92205929006, 92205929008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	06/23/14 20:31	
1,1,1-Trichloroethane	ug/L	ND	1.0	06/23/14 20:31	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	06/23/14 20:31	
1,1,2-Trichloroethane	ug/L	ND	1.0	06/23/14 20:31	
1,1-Dichloroethane	ug/L	ND	1.0	06/23/14 20:31	
1,1-Dichloroethene	ug/L	ND	1.0	06/23/14 20:31	
1,1-Dichloropropene	ug/L	ND	1.0	06/23/14 20:31	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	06/23/14 20:31	
1,2,3-Trichloropropane	ug/L	ND	1.0	06/23/14 20:31	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	06/23/14 20:31	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.0	06/23/14 20:31	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	06/23/14 20:31	
1,2-Dichlorobenzene	ug/L	ND	1.0	06/23/14 20:31	
1,2-Dichloroethane	ug/L	ND	1.0	06/23/14 20:31	
1,2-Dichloropropane	ug/L	ND	1.0	06/23/14 20:31	
1,3-Dichlorobenzene	ug/L	ND	1.0	06/23/14 20:31	
1,3-Dichloropropane	ug/L	ND	1.0	06/23/14 20:31	
1,4-Dichlorobenzene	ug/L	ND	1.0	06/23/14 20:31	
2,2-Dichloropropane	ug/L	ND	1.0	06/23/14 20:31	
2-Butanone (MEK)	ug/L	ND	5.0	06/23/14 20:31	
2-Chlorotoluene	ug/L	ND	1.0	06/23/14 20:31	
2-Hexanone	ug/L	ND	5.0	06/23/14 20:31	
4-Chlorotoluene	ug/L	ND	1.0	06/23/14 20:31	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	06/23/14 20:31	
Acetone	ug/L	ND	25.0	06/23/14 20:31	
Benzene	ug/L	ND	1.0	06/23/14 20:31	
Bromobenzene	ug/L	ND	1.0	06/23/14 20:31	
Bromochloromethane	ug/L	ND	1.0	06/23/14 20:31	
Bromodichloromethane	ug/L	ND	1.0	06/23/14 20:31	
Bromoform	ug/L	ND	1.0	06/23/14 20:31	
Bromomethane	ug/L	ND	2.0	06/23/14 20:31	
Carbon tetrachloride	ug/L	ND	1.0	06/23/14 20:31	
Chlorobenzene	ug/L	ND	1.0	06/23/14 20:31	
Chloroethane	ug/L	ND	1.0	06/23/14 20:31	
Chloroform	ug/L	ND	1.0	06/23/14 20:31	
Chloromethane	ug/L	ND	1.0	06/23/14 20:31	
cis-1,2-Dichloroethene	ug/L	ND	1.0	06/23/14 20:31	
cis-1,3-Dichloropropene	ug/L	ND	1.0	06/23/14 20:31	
Dibromochloromethane	ug/L	ND	1.0	06/23/14 20:31	
Dibromomethane	ug/L	ND	1.0	06/23/14 20:31	
Dichlorodifluoromethane	ug/L	ND	1.0	06/23/14 20:31	

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QUALITY CONTROL DATA

Project: LEGION INDUSTRIES 6121-09-0444
Pace Project No.: 92205929

METHOD BLANK: 1227385 Matrix: Water
Associated Lab Samples: 92205929004, 92205929006, 92205929008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diisopropyl ether	ug/L	ND	1.0	06/23/14 20:31	
Ethylbenzene	ug/L	ND	1.0	06/23/14 20:31	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	06/23/14 20:31	
m&p-Xylene	ug/L	ND	2.0	06/23/14 20:31	
Methyl-tert-butyl ether	ug/L	ND	1.0	06/23/14 20:31	
Methylene Chloride	ug/L	ND	2.0	06/23/14 20:31	
Naphthalene	ug/L	ND	1.0	06/23/14 20:31	
o-Xylene	ug/L	ND	1.0	06/23/14 20:31	
p-Isopropyltoluene	ug/L	ND	1.0	06/23/14 20:31	
Styrene	ug/L	ND	1.0	06/23/14 20:31	
Tetrachloroethene	ug/L	ND	1.0	06/23/14 20:31	
Toluene	ug/L	ND	1.0	06/23/14 20:31	
trans-1,2-Dichloroethene	ug/L	ND	1.0	06/23/14 20:31	
trans-1,3-Dichloropropene	ug/L	ND	1.0	06/23/14 20:31	
Trichloroethene	ug/L	ND	1.0	06/23/14 20:31	
Trichlorofluoromethane	ug/L	ND	1.0	06/23/14 20:31	
Vinyl acetate	ug/L	ND	2.0	06/23/14 20:31	
Vinyl chloride	ug/L	ND	1.0	06/23/14 20:31	
Xylene (Total)	ug/L	ND	2.0	06/23/14 20:31	
1,2-Dichloroethane-d4 (S)	%	94	70-130	06/23/14 20:31	
4-Bromofluorobenzene (S)	%	97	70-130	06/23/14 20:31	
Toluene-d8 (S)	%	99	70-130	06/23/14 20:31	

LABORATORY CONTROL SAMPLE: 1227386

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	54.0	108	70-130	
1,1,1-Trichloroethane	ug/L	50	53.5	107	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	52.7	105	70-130	
1,1,2-Trichloroethane	ug/L	50	54.1	108	70-130	
1,1-Dichloroethane	ug/L	50	51.9	104	70-130	
1,1-Dichloroethene	ug/L	50	58.5	117	70-132	
1,1-Dichloropropene	ug/L	50	55.6	111	70-130	
1,2,3-Trichlorobenzene	ug/L	50	61.4	123	70-135	
1,2,3-Trichloropropane	ug/L	50	54.4	109	70-130	
1,2,4-Trichlorobenzene	ug/L	50	59.7	119	70-134	
1,2-Dibromo-3-chloropropane	ug/L	50	55.0	110	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	53.8	108	70-130	
1,2-Dichlorobenzene	ug/L	50	56.5	113	70-130	
1,2-Dichloroethane	ug/L	50	54.1	108	70-130	
1,2-Dichloropropane	ug/L	50	53.4	107	70-130	
1,3-Dichlorobenzene	ug/L	50	55.9	112	70-130	
1,3-Dichloropropane	ug/L	50	53.1	106	70-130	
1,4-Dichlorobenzene	ug/L	50	55.2	110	70-130	

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QUALITY CONTROL DATA

Project: LEGION INDUSTRIES 6121-09-0444
Pace Project No.: 92205929

LABORATORY CONTROL SAMPLE: 1227386

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,2-Dichloropropane	ug/L	50	54.3	109	58-145	
2-Butanone (MEK)	ug/L	100	115	115	70-145	
2-Chlorotoluene	ug/L	50	54.8	110	70-130	
2-Hexanone	ug/L	100	105	105	70-144	
4-Chlorotoluene	ug/L	50	54.0	108	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	110	110	70-140	
Acetone	ug/L	100	103	103	50-175	
Benzene	ug/L	50	54.6	109	70-130	
Bromobenzene	ug/L	50	55.2	110	70-130	
Bromochloromethane	ug/L	50	57.3	115	70-130	
Bromodichloromethane	ug/L	50	54.2	108	70-130	
Bromoform	ug/L	50	54.8	110	70-130	
Bromomethane	ug/L	50	61.9	124	54-130	
Carbon tetrachloride	ug/L	50	54.6	109	70-132	
Chlorobenzene	ug/L	50	51.0	102	70-130	
Chloroethane	ug/L	50	49.7	99	64-134	
Chloroform	ug/L	50	53.9	108	70-130	
Chloromethane	ug/L	50	49.1	98	64-130	
cis-1,2-Dichloroethene	ug/L	50	54.6	109	70-131	
cis-1,3-Dichloropropene	ug/L	50	53.7	107	70-130	
Dibromochloromethane	ug/L	50	52.8	106	70-130	
Dibromomethane	ug/L	50	54.6	109	70-131	
Dichlorodifluoromethane	ug/L	50	48.2	96	56-130	
Diisopropyl ether	ug/L	50	55.8	112	70-130	
Ethylbenzene	ug/L	50	51.6	103	70-130	
Hexachloro-1,3-butadiene	ug/L	50	58.7	117	70-130	
m&p-Xylene	ug/L	100	106	106	70-130	
Methyl-tert-butyl ether	ug/L	50	54.7	109	70-130	
Methylene Chloride	ug/L	50	53.9	108	63-130	
Naphthalene	ug/L	50	56.6	113	70-138	
o-Xylene	ug/L	50	53.1	106	70-130	
p-Isopropyltoluene	ug/L	50	55.7	111	70-130	
Styrene	ug/L	50	55.9	112	70-130	
Tetrachloroethene	ug/L	50	53.5	107	70-130	
Toluene	ug/L	50	52.8	106	70-130	
trans-1,2-Dichloroethene	ug/L	50	54.3	109	70-130	
trans-1,3-Dichloropropene	ug/L	50	53.1	106	70-132	
Trichloroethene	ug/L	50	53.0	106	70-130	
Trichlorofluoromethane	ug/L	50	53.3	107	62-133	
Vinyl acetate	ug/L	100	108	108	66-157	
Vinyl chloride	ug/L	50	57.5	115	50-150	
Xylene (Total)	ug/L	150	159	106	70-130	
1,2-Dichloroethane-d4 (S)	%			97	70-130	
4-Bromofluorobenzene (S)	%			98	70-130	
Toluene-d8 (S)	%			100	70-130	

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QUALITY CONTROL DATA

Project: LEGION INDUSTRIES 6121-09-0444
Pace Project No.: 92205929

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1227808 1227809

Parameter	Units	92206166008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,1-Dichloroethene	ug/L	ND	50	50	55.2	50.7	110	101	70-166	8	
Benzene	ug/L	ND	50	50	58.1	51.4	116	103	70-148	12	
Chlorobenzene	ug/L	ND	50	50	57.0	51.5	114	103	70-146	10	
Toluene	ug/L	ND	50	50	54.4	48.4	109	97	70-155	12	
Trichloroethene	ug/L	ND	50	50	59.4	53.6	117	106	69-151	10	
1,2-Dichloroethane-d4 (S)	%						96	96	70-130		
4-Bromofluorobenzene (S)	%						95	96	70-130		
Toluene-d8 (S)	%						99	98	70-130		

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QUALITY CONTROL DATA

Project: LEGION INDUSTRIES 6121-09-0444
Pace Project No.: 92205929

QC Batch: OEXT/28407 Analysis Method: EPA 8081
QC Batch Method: EPA 3510 Analysis Description: 8081A GCS Pesticides
Associated Lab Samples: 92205929001, 92205929002, 92205929003, 92205929004, 92205929005, 92205929006, 92205929007, 92205929008, 92205929009, 92205929010, 92205929011

METHOD BLANK: 1226146 Matrix: Water
Associated Lab Samples: 92205929001, 92205929002, 92205929003, 92205929004, 92205929005, 92205929006, 92205929007, 92205929008, 92205929009, 92205929010, 92205929011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
4,4'-DDD	ug/L	ND	0.050	06/23/14 14:29	
4,4'-DDE	ug/L	ND	0.050	06/23/14 14:29	
4,4'-DDT	ug/L	ND	0.050	06/23/14 14:29	
Aldrin	ug/L	ND	0.050	06/23/14 14:29	
alpha-BHC	ug/L	ND	0.050	06/23/14 14:29	
beta-BHC	ug/L	ND	0.050	06/23/14 14:29	
Chlordane (Technical)	ug/L	ND	0.20	06/23/14 14:29	
delta-BHC	ug/L	ND	0.050	06/23/14 14:29	
Dieldrin	ug/L	ND	0.050	06/23/14 14:29	
Endosulfan I	ug/L	ND	0.050	06/23/14 14:29	
Endosulfan II	ug/L	ND	0.050	06/23/14 14:29	
Endosulfan sulfate	ug/L	ND	0.050	06/23/14 14:29	
Endrin	ug/L	ND	0.050	06/23/14 14:29	
Endrin aldehyde	ug/L	ND	0.050	06/23/14 14:29	
Endrin ketone	ug/L	ND	0.050	06/23/14 14:29	
gamma-BHC (Lindane)	ug/L	ND	0.050	06/23/14 14:29	
Heptachlor	ug/L	ND	0.050	06/23/14 14:29	
Heptachlor epoxide	ug/L	ND	0.050	06/23/14 14:29	
Hexachlorobenzene	ug/L	ND	0.050	06/23/14 14:29	
Methoxychlor	ug/L	ND	0.15	06/23/14 14:29	
Mirex	ug/L	ND	0.15	06/23/14 14:29	
Toxaphene	ug/L	ND	0.20	06/23/14 14:29	
Decachlorobiphenyl (S)	%	77	20-130	06/23/14 14:29	
Tetrachloro-m-xylene (S)	%	69	20-130	06/23/14 14:29	

LABORATORY CONTROL SAMPLE: 1226147

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4,4'-DDD	ug/L	.25	0.17	67	20-150	
4,4'-DDE	ug/L	.25	0.17	69	20-150	
4,4'-DDT	ug/L	.25	0.19	75	20-150	
Aldrin	ug/L	.25	0.12	50	20-150	
alpha-BHC	ug/L	.25	0.17	69	20-150	
beta-BHC	ug/L	.25	0.18	74	20-150	
delta-BHC	ug/L	.25	0.19	76	20-150	
Dieldrin	ug/L	.25	0.16	63	20-150	
Endosulfan I	ug/L	.25	0.17	67	20-150	
Endosulfan II	ug/L	.25	0.18	72	20-150	

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QUALITY CONTROL DATA

Project: LEGION INDUSTRIES 6121-09-0444
Pace Project No.: 92205929

LABORATORY CONTROL SAMPLE: 1226147

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Endosulfan sulfate	ug/L	.25	0.20	81	20-150	
Endrin	ug/L	.25	0.17	70	20-150	
Endrin aldehyde	ug/L	.25	0.18	74	20-150	
Endrin ketone	ug/L	.25	0.20	80	20-150	
gamma-BHC (Lindane)	ug/L	.25	0.17	70	20-150	
Heptachlor	ug/L	.25	0.13	53	20-150	
Heptachlor epoxide	ug/L	.25	0.15	60	20-150	
Hexachlorobenzene	ug/L	.25	0.13	53	20-150	
Methoxychlor	ug/L	.74	0.54	72	20-150	
Mirex	ug/L	.74	0.58	78	20-150	
Decachlorobiphenyl (S)	%			80	20-130	
Tetrachloro-m-xylene (S)	%			67	20-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1226148 1226149

Parameter	Units	92205757002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
4,4'-DDD	ug/L	ND	.5	.5	0.39	0.40	79	82	20-150	3	
4,4'-DDE	ug/L	ND	.5	.5	0.36	0.38	73	77	20-150	6	
4,4'-DDT	ug/L	ND	.5	.5	0.40	0.42	80	86	20-150	6	
Aldrin	ug/L	ND	.5	.5	0.25	0.27	50	54	20-150	9	
alpha-BHC	ug/L	ND	.5	.5	0.27	0.34	55	69	20-150	23	
beta-BHC	ug/L	ND	.5	.5	0.36	0.40	74	80	20-150	8	
delta-BHC	ug/L	ND	.5	.5	0.37	0.41	75	83	20-150	10	
Dieldrin	ug/L	ND	.5	.5	0.36	0.38	72	77	20-150	7	
Endosulfan I	ug/L	ND	.5	.5	0.36	0.39	72	79	20-150	9	
Endosulfan II	ug/L	ND	.5	.5	0.39	0.42	79	85	20-150	8	
Endosulfan sulfate	ug/L	ND	.5	.5	0.43	0.45	87	91	20-150	4	
Endrin	ug/L	ND	.5	.5	0.40	0.43	80	88	20-150	9	
Endrin aldehyde	ug/L	ND	.5	.5	0.38	0.41	76	83	20-150	9	
Endrin ketone	ug/L	ND	.5	.5	0.42	0.43	85	87	20-150	3	
gamma-BHC (Lindane)	ug/L	ND	.5	.5	0.29	0.35	58	71	20-150	20	
Heptachlor	ug/L	ND	.5	.5	0.27	0.31	54	62	20-150	14	
Heptachlor epoxide	ug/L	ND	.5	.5	0.32	0.36	65	72	20-150	11	
Hexachlorobenzene	ug/L	ND	.5	.5	0.25	0.29	50	59	20-150	17	
Methoxychlor	ug/L	ND	1.5	1.5	1.3	1.3	86	87	20-150	1	
Mirex	ug/L	ND	1.5	1.5	1.1	1.2	74	80	20-150	8	
Decachlorobiphenyl (S)	%						44	46	20-130		
Tetrachloro-m-xylene (S)	%						51	64	20-130		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: LEGION INDUSTRIES 6121-09-0444
Pace Project No.: 92205929

QC Batch: PMST/6724 | Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 | Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 92205929013, 92205929014, 92205929015

SAMPLE DUPLICATE: 1225795

Parameter	Units	92206077001 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	19.7	19.7	0	

SAMPLE DUPLICATE: 1225796

Parameter	Units	92206104003 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	17.5	16.7	5	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL DATA

Project: LEGION INDUSTRIES 6121-09-0444
Pace Project No.: 92205929

QC Batch: WETA/23815 | Analysis Method: EPA 9060 Modified
QC Batch Method: EPA 9060 Modified | Analysis Description: 9060 TOC Average
Associated Lab Samples: 92205929013, 92205929014, 92205929015

METHOD BLANK: 994674 | Matrix: Solid
Associated Lab Samples:

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mean Total Organic Carbon	mg/kg	ND	600	06/25/14 10:06	

LABORATORY CONTROL SAMPLE: 994675

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mean Total Organic Carbon	mg/kg	120000	107000	89	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 994676 994677

Parameter	Units	92205929013 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Mean Total Organic Carbon	mg/kg	1540	7110	7110	8290	7500	95	84	50-150	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: LEGION INDUSTRIES 6121-09-0444
Pace Project No.: 92205929

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Acid preservation may not be appropriate for 2-Chloroethylvinyl ether, Styrene, and Vinyl chloride.

LOD - Limit of Detection.

LOQ - Limit of Quantitation.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-C	Pace Analytical Services - Charlotte
PASI-G	Pace Analytical Services - Green Bay

ANALYTE QUALIFIERS

F3	The recovery of the second source standard used to verify the initial calibration curve for this analyte is outside the laboratory's control limits. The result is estimated.
L0	Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: LEGION INDUSTRIES 6121-09-0444
Pace Project No.: 92205929

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92205929001	**MW-9**	EPA 3510	OEXT/28407	EPA 8081	GCSV/17999
92205929002	**MW-3**	EPA 3510	OEXT/28407	EPA 8081	GCSV/17999
92205929003	**MW-5**	EPA 3510	OEXT/28407	EPA 8081	GCSV/17999
92205929004	**MW-13**	EPA 3510	OEXT/28407	EPA 8081	GCSV/17999
92205929005	**PZ-2**	EPA 3510	OEXT/28407	EPA 8081	GCSV/17999
92205929006	**MW-4**	EPA 3510	OEXT/28407	EPA 8081	GCSV/17999
92205929007	**MW-12**	EPA 3510	OEXT/28407	EPA 8081	GCSV/17999
92205929008	**DUP-1**	EPA 3510	OEXT/28407	EPA 8081	GCSV/17999
92205929009	**MW-2**	EPA 3510	OEXT/28407	EPA 8081	GCSV/17999
92205929010	**MW-1**	EPA 3510	OEXT/28407	EPA 8081	GCSV/17999
92205929011	**MW-7**	EPA 3510	OEXT/28407	EPA 8081	GCSV/17999
92205929001	**MW-9**	EPA 8260	MSV/27287		
92205929002	**MW-3**	EPA 8260	MSV/27287		
92205929003	**MW-5**	EPA 8260	MSV/27287		
92205929004	**MW-13**	EPA 8260	MSV/27314		
92205929005	**PZ-2**	EPA 8260	MSV/27287		
92205929006	**MW-4**	EPA 8260	MSV/27314		
92205929007	**MW-12**	EPA 8260	MSV/27287		
92205929008	**DUP-1**	EPA 8260	MSV/27314		
92205929009	**MW-2**	EPA 8260	MSV/27287		
92205929010	**MW-1**	EPA 8260	MSV/27287		
92205929011	**MW-7**	EPA 8260	MSV/27287		
92205929012	**TRIP BLANK**	EPA 8260	MSV/27287		
92205929013	**MW-14-2-3'**	ASTM D2974-87	PMST/6724		
92205929014	**MW-16-1-2'**	ASTM D2974-87	PMST/6724		
92205929015	**MW-17-6-7'**	ASTM D2974-87	PMST/6724		
92205929013	**MW-14-2-3'**	EPA 9060 Modified	WETA/23815		
92205929013	**MW-14-2-3'**	EPA 9060 Modified	WETA/23816		
92205929014	**MW-16-1-2'**	EPA 9060 Modified	WETA/23815		
92205929014	**MW-16-1-2'**	EPA 9060 Modified	WETA/23816		
92205929015	**MW-17-6-7'**	EPA 9060 Modified	WETA/23815		
92205929015	**MW-17-6-7'**	EPA 9060 Modified	WETA/23816		

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Pace Analytical® www.pacelabs.com	Document Name: **Sample Condition Upon Receipt (SCUR)**	Document Revised: June 10, 2014 Page 1 of 2
	Document No.: F-ASV-CS-003-rev.14	Issuing Authorities: Pace Asheville Quality Office

Client Name: AMEC

Courier (Circle): Fed Ex UPS USPS Client Commercial Pace Other_____

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Packing Material: ☐ ~~Bubble Wrap~~ ☐ Bubble Bags ☑ None ☐ Other_____

Thermometer Used: IR Gun#3 -130265963 **Type of Ice:** Wet Blue None ☑ Samples on ice, cooling process has begun

IR Gun #4 SN:140290365 Other:_____

Temp Correction Factor: Add / Subtract 0.0 C

Corrected Cooler Temp.: 2.9 C **Biological Tissue is Frozen:** Yes No N/A

Temp should be above freezing to 6°C

Date and Initials of person examining contents: RPB 6/18/14

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: WT/SL		
All containers needing preservation have been checked.	☑Yes ☐No ☐N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☑Yes ☐No ☐N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes ☑No	
Samples checked for dechlorination:	☑Yes ☐No ☐N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☐No ☑N/A	15.
Trip Blank Present:	☐Yes ☐No ☑N/A	16.
Trip Blank Custody Seals Present	☐Yes ☐No ☑N/A	
Pace Trip Blank Lot # (if purchased):_____		

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

SCURF Review: JG **Date:** 6/18/14

SRF Review: JG **Date:** 6/19/14

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

WO# : 92205929

92205929

Pace Analytical
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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: of

1785390

Section A Required Client Information:

Company: AMEC E&I
Address: 2677 Buford Hwy
ATLANTA GA 30324
Email To: STEVE.FOLEY@AMEC.C
Phone: 404-917-6152 Fax:
Requested Due Date/TAT: 1 WEEK

Section B Required Project Information:

Report To: STEVE FOLEY
Copy To:
Purchase Order No.:
Project Name: LEECO.1 INDUSTRIES
Project Number: 6121-09-0444

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY: NPDES, GROUND WATER, DRINKING WATER, UST, RCRA, OTHER X

Site Location STATE: GA

Section D Required Client Information

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N): VOC 8260B (Y/N); Pesticides 8081A (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED Composite Start DATE	Composite Start TIME	Composite End/Grab DATE	Composite End/Grab TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test	VOC 8260B (Y/N)	Pesticides 8081A (Y/N)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-9	WT	G			6/6/14	1230		5	2			3						X	X		92159129
2	MW-3	↓	↓			6/6/14	1420		↓	↓			↓						↓	↓		001
3	MW-5	↓	↓			6/6/14	0730		↓	↓			↓						↓	↓		002
4	MW-13	↓	↓			↓	0920		↓	↓			↓						↓	↓		003
5	PZ-2	↓	↓			↓	1055		↓	↓			↓						↓	↓		004
6	MW-4	↓	↓			↓	1450		↓	↓			↓						↓	↓		005
7	MW-12	↓	↓			↓	1535		↓	↓			↓						↓	↓		006
8	DUP-1	↓	↓			↓	1540		↓	↓			↓						↓	↓		007
9																						008
10																						
11																						
12																						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	[signature] AMEC	6/8/14	0700	[signature]	6/8/14	9:15				
	[signature]	6/8/14	1635	[signature]	6/8/14	1635	29	Y	N	Y
							29	Y	N	Y PPB

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: PAUL GRAND

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 6/12/14

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Pace Analytical www.pacolabs.com	Document Name: **Sample Condition Upon Receipt (SCUR)**	Document Revised: June 10, 2014 Page 1 of 2
	Document No.: F-ASV-CS-003-rev.14	Issuing Authorities: Pace Asheville Quality Office

Client Name: AMEC

Courier (Circle): Fed Ex UPS USPS (Client) Commercial Pace Other_____

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☑ None ☐ Other_____

Thermometer Used: IR Gun#3 -130265963 **Type of Ice:** (Wet) Blue None ☑ Samples on ice, cooling process has begun

IR Gun #4 SN:140290365 Other:_____

Temp Correction Factor: Add / Subtract 0.0 C

Corrected Cooler Temp.: 2.9 C **Biological Tissue is Frozen:** Yes No N/A

Temp should be above freezing to 6°C

Date and Initials of person examining contents: RDB 6/18/14

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: WT		
All containers needing preservation have been checked.	☑Yes ☐No ☐N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☑Yes ☐No ☐N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes ☑No	
Samples checked for dechlorination:	☑Yes ☐No ☐N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☑No ☐N/A	15.
Trip Blank Present:	☑Yes ☐No ☐N/A	16.
Trip Blank Custody Seals Present	☑Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased):_____		

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

SCURF Review: [signature] **Date:** 6/18/14

SRF Review: [signature] **Date:** 6/19/14

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

Place label here

92205929 OR

Handwrite project number (if no label available)

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: of

1785861

Section A Required Client Information:

Company: AMEC E&I
Address: 2677 BUFORD HWY
ATLANTA, GA 30324
Email To: STEVE-FOLEY@AMEC.COM
Phone: 404-873-2652 Fax:
Requested Due Date/TAT: 1 WEEK

Section B Required Project Information:

Report To: STEVE FOLEY
Copy To:
Purchase Order No.:
Project Name: LEGION INDUSTRIES
Project Number: 621-09-0449

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY: NPDES / GROUND WATER / DRINKING WATER / UST / RCRA / X OTHER

Site Location STATE: GA

Section D Required Client Information

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test: VOC 8260	Analysis Test: PESTICIDES (8081)	Analysis Test: CHLORINATED HERBICIDES	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-2	WT	G			6/16/14	1350		5	2			3					X	X			09
2	MW-1	WT	G			6/16/14	1415		5	2			3					X	X			010
3	MW-7	WT	G			6/17/14	0915		5	2			3					X	X			011
4	~~Footer~~ MW-14-2-3'	SL	G			6/12/14	1105		1	1										X		013
5	MW-16-2-2'	SL	G			6/12/14	1410		1	1										X		014
6	MW-17-6-7'	SL	G			6/12/14	1520		1	1										X		015
7	TRIP BLANK	WT	G						2				2					X				012
8																						
9																						
10																						
11																						
12																						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	[signature]	6/17/14	17:00	[signature]	6/17/14	1700	
	[signature]	6/18/14	0700	[signature]	6/18/14	0700	
	[signature]	6/18/14	1635	[signature]	6/18/14	1635	

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
2.9	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: STEPHEN R. FOLEY

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 6/17/14

ORIGINAL

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

June 30, 2014

Steve Foley
AMEC Environment & Infrastruct
396 Plasters Avenue
Atlanta, GA 30324

RE: Project: LEGION INDUSTRIES
Pace Project No.: 92206286

Dear Steve Foley:
Enclosed are the analytical results for sample(s) received by the laboratory on June 20, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kevin Godwin
kevin.godwin@pacelabs.com
Project Manager

Enclosures

cc: Chuck Ferry, AMEC Environment & Infrastruct

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CERTIFICATIONS

Project: LEGION INDUSTRIES
Pace Project No.: 92206286

Charlotte Certification IDs
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460221

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(704)875-9092

SAMPLE ANALYTE COUNT

Project: LEGION INDUSTRIES
Pace Project No.: 92206286

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92206286001	**MW6**	EPA 8081	RES	24	PASI-C
		EPA 8260	MCK	63	PASI-C
92206286002	**MW11**	EPA 8081	RES	24	PASI-C
		EPA 8260	MCK	63	PASI-C
92206286003	**MW10**	EPA 8081	RES	24	PASI-C
		EPA 8260	MCK	63	PASI-C
92206286004	**MW16**	EPA 8081	RES	24	PASI-C
		EPA 8260	MCK	63	PASI-C
92206286005	**MW17**	EPA 8081	RES	24	PASI-C
		EPA 8260	MCK	63	PASI-C
92206286006	**MW15**	EPA 8081	RES	24	PASI-C
		EPA 8260	MCK	63	PASI-C
92206286007	**MW14**	EPA 8081	RES	24	PASI-C
		EPA 8260	MCK	63	PASI-C
92206286008	**MW18**	EPA 8081	RES	24	PASI-C
		EPA 8260	MCK	63	PASI-C
92206286009	**MW14**	EPA 8081	RES	24	PASI-C
		EPA 8260	MCK	63	PASI-C
92206286010	**TRIP BLANK**	EPA 8260	MCK	63	PASI-C

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SUMMARY OF DETECTION

Project: LEGION INDUSTRIES
Pace Project No.: 92206286

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92206286001	**MW6**					
EPA 8260	cis-1,2-Dichloroethene	3.1	ug/L	1.0	06/25/14 23:45	
EPA 8260	Trichloroethene	2.0	ug/L	1.0	06/25/14 23:45	
92206286002	**MW11**					
EPA 8081	alpha-BHC	0.79	ug/L	0.50	06/29/14 14:18	
EPA 8081	delta-BHC	0.79	ug/L	0.50	06/29/14 14:18	
EPA 8081	Dieldrin	1.3	ug/L	0.50	06/29/14 14:18	
EPA 8081	Endrin ketone	3.0	ug/L	0.50	06/29/14 14:18	
EPA 8260	Naphthalene	1.0	ug/L	1.0	06/26/14 00:01	
92206286004	**MW16**					
EPA 8081	beta-BHC	0.48	ug/L	0.25	06/29/14 14:35	
EPA 8081	delta-BHC	2.4	ug/L	0.25	06/29/14 14:35	
EPA 8260	Benzene	10	ug/L	1.0	06/26/14 00:33	
EPA 8260	Chlorobenzene	45.3	ug/L	1.0	06/26/14 00:33	
EPA 8260	1,4-Dichlorobenzene	5.9	ug/L	1.0	06/26/14 00:33	
EPA 8260	cis-1,2-Dichloroethene	1.4	ug/L	1.0	06/26/14 00:33	
EPA 8260	Ethylbenzene	657	ug/L	10.0	06/26/14 22:17	
EPA 8260	Naphthalene	174	ug/L	1.0	06/26/14 00:33	
EPA 8260	Toluene	4.2	ug/L	1.0	06/26/14 00:33	
EPA 8260	Vinyl chloride	46.9	ug/L	1.0	06/26/14 00:33	
EPA 8260	Xylene (Total)	928	ug/L	20.0	06/26/14 22:17	
EPA 8260	m&p-Xylene	920	ug/L	20.0	06/26/14 22:17	
EPA 8260	o-Xylene	8.1	ug/L	1.0	06/26/14 00:33	
92206286005	**MW17**					
EPA 8081	alpha-BHC	0.21	ug/L	0.10	06/29/14 14:53	
EPA 8081	beta-BHC	1.0	ug/L	0.10	06/29/14 14:53	
EPA 8081	delta-BHC	0.45	ug/L	0.10	06/29/14 14:53	
EPA 8081	Dieldrin	0.22	ug/L	0.10	06/29/14 14:53	
EPA 8081	Endrin	0.28	ug/L	0.10	06/29/14 14:53	
EPA 8081	Endrin ketone	0.26	ug/L	0.10	06/29/14 14:53	
EPA 8260	cis-1,2-Dichloroethene	803	ug/L	5.0	06/27/14 00:27	
EPA 8260	Naphthalene	6.1	ug/L	5.0	06/27/14 00:27	
EPA 8260	Trichloroethene	926	ug/L	5.0	06/27/14 00:27	
EPA 8260	Vinyl chloride	33.0	ug/L	5.0	06/27/14 00:27	
92206286006	**MW15**					
EPA 8260	Chloroform	1.1	ug/L	1.0	06/27/14 00:43	
EPA 8260	cis-1,2-Dichloroethene	1.0	ug/L	1.0	06/27/14 00:43	
92206286007	**MW14**					
EPA 8260	cis-1,2-Dichloroethene	1.6	ug/L	1.0	06/26/14 01:22	
92206286008	**MW18**					
EPA 8081	alpha-BHC	0.40	ug/L	0.25	06/29/14 15:10	
EPA 8081	beta-BHC	1.9	ug/L	0.25	06/29/14 15:10	
EPA 8081	delta-BHC	1.2	ug/L	0.25	06/29/14 15:10	
EPA 8081	gamma-BHC (Lindane)	1.1	ug/L	0.25	06/29/14 15:10	
EPA 8081	Endrin	1.2	ug/L	0.25	06/29/14 15:10	

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SUMMARY OF DETECTION

Project: LEGION INDUSTRIES
Pace Project No.: 92206286

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92206286008	**MW18**					
EPA 8081	Endrin ketone	1.8	ug/L	0.25	06/29/14 15:10	
EPA 8260	Benzene	4.1	ug/L	1.0	06/26/14 01:38	
EPA 8260	Chlorobenzene	15.4	ug/L	1.0	06/26/14 01:38	
EPA 8260	1,2-Dichlorobenzene	3.2	ug/L	1.0	06/26/14 01:38	
EPA 8260	1,3-Dichlorobenzene	1.0	ug/L	1.0	06/26/14 01:38	
EPA 8260	1,4-Dichlorobenzene	11.5	ug/L	1.0	06/26/14 01:38	
EPA 8260	1,1-Dichloroethane	4.0	ug/L	1.0	06/26/14 01:38	
EPA 8260	1,1-Dichloroethene	1.7	ug/L	1.0	06/26/14 01:38	
EPA 8260	cis-1,2-Dichloroethene	2530	ug/L	100	06/26/14 22:33	
EPA 8260	trans-1,2-Dichloroethene	3.6	ug/L	1.0	06/26/14 01:38	
EPA 8260	Methylene Chloride	5.4	ug/L	2.0	06/26/14 01:38	
EPA 8260	Naphthalene	3.5	ug/L	1.0	06/26/14 01:38	
EPA 8260	Tetrachloroethene	3.5	ug/L	1.0	06/26/14 01:38	
EPA 8260	1,2,4-Trichlorobenzene	7.7	ug/L	1.0	06/26/14 01:38	
EPA 8260	1,1,2-Trichloroethane	1.6	ug/L	1.0	06/26/14 01:38	
EPA 8260	Trichloroethene	3220	ug/L	100	06/26/14 22:33	
EPA 8260	Vinyl chloride	181	ug/L	100	06/26/14 22:33	
EPA 8260	Xylene (Total)	2.4	ug/L	2.0	06/26/14 01:38	
EPA 8260	o-Xylene	2.4	ug/L	1.0	06/26/14 01:38	
92206286009	**MW14**					
EPA 8081	beta-BHC	1.6	ug/L	1.0	06/29/14 15:28	
EPA 8081	delta-BHC	1.3	ug/L	1.0	06/29/14 15:28	
EPA 8081	gamma-BHC (Lindane)	1.2	ug/L	1.0	06/29/14 15:28	
EPA 8081	4,4'-DDD	4.9	ug/L	1.0	06/29/14 15:28	
EPA 8081	4,4'-DDT	1.6	ug/L	1.0	06/29/14 15:28	
EPA 8081	Dieldrin	5.4	ug/L	1.0	06/29/14 15:28	
EPA 8081	Endrin	5.1	ug/L	1.0	06/29/14 15:28	
EPA 8081	Endrin ketone	4.4	ug/L	1.0	06/29/14 15:28	
EPA 8260	cis-1,2-Dichloroethene	127	ug/L	1.0	06/26/14 01:54	
EPA 8260	Ethylbenzene	311	ug/L	20.0	06/26/14 22:49	
EPA 8260	p-Isopropyltoluene	1.2	ug/L	1.0	06/26/14 01:54	
EPA 8260	Naphthalene	10.0	ug/L	1.0	06/26/14 01:54	
EPA 8260	Toluene	12.1	ug/L	1.0	06/26/14 01:54	
EPA 8260	Trichloroethene	62.3	ug/L	1.0	06/26/14 01:54	
EPA 8260	Vinyl chloride	5.1	ug/L	1.0	06/26/14 01:54	
EPA 8260	Xylene (Total)	2120	ug/L	40.0	06/26/14 22:49	
EPA 8260	m&p-Xylene	1690	ug/L	40.0	06/26/14 22:49	
EPA 8260	o-Xylene	423	ug/L	20.0	06/26/14 22:49	

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PROJECT NARRATIVE

Project: LEGION INDUSTRIES
Pace Project No.: 92206286

Method: **EPA 8081**
Description: 8081 Organochlorine Pesticides
Client: AMEC Environment & Infrastructure
Date: June 30, 2014

General Information:
9 samples were analyzed for EPA 8081. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3510 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

QC Batch: OEXT/28428

S4: Surrogate recovery not evaluated against control limits due to sample dilution.

- MW11 (Lab ID: 92206286002)
  - Tetrachloro-m-xylene (S)
- MW14 (Lab ID: 92206286009)
  - Tetrachloro-m-xylene (S)
- MW16 (Lab ID: 92206286004)
  - Tetrachloro-m-xylene (S)
- MW18 (Lab ID: 92206286008)
  - Tetrachloro-m-xylene (S)

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: LEGION INDUSTRIES
Pace Project No.: 92206286

Method: **EPA 8260**
Description: 8260 MSV Low Level
Client: AMEC Environment & Infrastructure
Date: June 30, 2014

General Information:
10 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: MSV/27357

L3: Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

- LCS (Lab ID: 1230087)
  - Bromomethane
  - Chloromethane
  - Dichlorodifluoromethane

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: LEGION INDUSTRIES
Pace Project No.: 92206286

Sample: MW6 **Lab ID: 92206286001** Collected: 06/18/14 12:00 Received: 06/20/14 16:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 Organochlorine Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510							
Aldrin	ND	ug/L	0.050	1	06/21/14 11:23	06/27/14 00:19	309-00-2	
alpha-BHC	ND	ug/L	0.050	1	06/21/14 11:23	06/27/14 00:19	319-84-6	
beta-BHC	ND	ug/L	0.050	1	06/21/14 11:23	06/27/14 00:19	319-85-7	
delta-BHC	ND	ug/L	0.050	1	06/21/14 11:23	06/27/14 00:19	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.050	1	06/21/14 11:23	06/27/14 00:19	58-89-9	
Chlordane (Technical)	ND	ug/L	0.20	1	06/21/14 11:23	06/27/14 00:19	57-74-9	
4,4'-DDD	ND	ug/L	0.050	1	06/21/14 11:23	06/27/14 00:19	72-54-8	
4,4'-DDE	ND	ug/L	0.050	1	06/21/14 11:23	06/27/14 00:19	72-55-9	
4,4'-DDT	ND	ug/L	0.050	1	06/21/14 11:23	06/27/14 00:19	50-29-3	
Dieldrin	ND	ug/L	0.050	1	06/21/14 11:23	06/27/14 00:19	60-57-1	
Endosulfan I	ND	ug/L	0.050	1	06/21/14 11:23	06/27/14 00:19	959-98-8	
Endosulfan II	ND	ug/L	0.050	1	06/21/14 11:23	06/27/14 00:19	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.050	1	06/21/14 11:23	06/27/14 00:19	1031-07-8	
Endrin	ND	ug/L	0.050	1	06/21/14 11:23	06/27/14 00:19	72-20-8	
Endrin aldehyde	ND	ug/L	0.050	1	06/21/14 11:23	06/27/14 00:19	7421-93-4	
Endrin ketone	ND	ug/L	0.050	1	06/21/14 11:23	06/27/14 00:19	53494-70-5	
Heptachlor	ND	ug/L	0.050	1	06/21/14 11:23	06/27/14 00:19	76-44-8	
Heptachlor epoxide	ND	ug/L	0.050	1	06/21/14 11:23	06/27/14 00:19	1024-57-3	
Hexachlorobenzene	ND	ug/L	0.050	1	06/21/14 11:23	06/27/14 00:19	118-74-1	
Methoxychlor	ND	ug/L	0.15	1	06/21/14 11:23	06/27/14 00:19	72-43-5	
Mirex	ND	ug/L	0.15	1	06/21/14 11:23	06/27/14 00:19	2385-85-5	
Toxaphene	ND	ug/L	0.20	1	06/21/14 11:23	06/27/14 00:19	8001-35-2	
Surrogates								
Tetrachloro-m-xylene (S)	28	%	20-130	1	06/21/14 11:23	06/27/14 00:19	877-09-8	
Decachlorobiphenyl (S)	56	%	20-130	1	06/21/14 11:23	06/27/14 00:19	2051-24-3	
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		06/25/14 23:45	67-64-1	
Benzene	ND	ug/L	1.0	1		06/25/14 23:45	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		06/25/14 23:45	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		06/25/14 23:45	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		06/25/14 23:45	75-27-4	
Bromoform	ND	ug/L	1.0	1		06/25/14 23:45	75-25-2	
Bromomethane	ND	ug/L	2.0	1		06/25/14 23:45	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		06/25/14 23:45	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		06/25/14 23:45	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		06/25/14 23:45	108-90-7	
Chloroethane	ND	ug/L	1.0	1		06/25/14 23:45	75-00-3	
Chloroform	ND	ug/L	1.0	1		06/25/14 23:45	67-66-3	
Chloromethane	ND	ug/L	1.0	1		06/25/14 23:45	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		06/25/14 23:45	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		06/25/14 23:45	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1		06/25/14 23:45	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		06/25/14 23:45	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		06/25/14 23:45	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		06/25/14 23:45	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		06/25/14 23:45	95-50-1	

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ANALYTICAL RESULTS

Project: LEGION INDUSTRIES
Pace Project No.: 92206286

Sample: MW6 **Lab ID: 92206286001** Collected: 06/18/14 12:00 Received: 06/20/14 16:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
1,3-Dichlorobenzene	ND	ug/L	1.0	1		06/25/14 23:45	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		06/25/14 23:45	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		06/25/14 23:45	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		06/25/14 23:45	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		06/25/14 23:45	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		06/25/14 23:45	75-35-4	
cis-1,2-Dichloroethene	**3.1**	ug/L	1.0	1		06/25/14 23:45	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		06/25/14 23:45	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		06/25/14 23:45	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		06/25/14 23:45	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		06/25/14 23:45	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		06/25/14 23:45	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		06/25/14 23:45	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		06/25/14 23:45	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		06/25/14 23:45	108-20-3	
Ethylbenzene	ND	ug/L	1.0	1		06/25/14 23:45	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		06/25/14 23:45	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		06/25/14 23:45	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		06/25/14 23:45	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		06/25/14 23:45	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		06/25/14 23:45	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		06/25/14 23:45	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		06/25/14 23:45	91-20-3	
Styrene	ND	ug/L	1.0	1		06/25/14 23:45	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		06/25/14 23:45	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		06/25/14 23:45	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		06/25/14 23:45	127-18-4	
Toluene	ND	ug/L	1.0	1		06/25/14 23:45	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		06/25/14 23:45	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		06/25/14 23:45	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		06/25/14 23:45	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		06/25/14 23:45	79-00-5	
Trichloroethene	**2.0**	ug/L	1.0	1		06/25/14 23:45	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		06/25/14 23:45	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		06/25/14 23:45	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		06/25/14 23:45	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		06/25/14 23:45	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		06/25/14 23:45	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		06/25/14 23:45	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		06/25/14 23:45	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	100	%	70-130	1		06/25/14 23:45	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130	1		06/25/14 23:45	17060-07-0	
Toluene-d8 (S)	98	%	70-130	1		06/25/14 23:45	2037-26-5	

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ANALYTICAL RESULTS

Project: LEGION INDUSTRIES
Pace Project No.: 92206286

Sample: MW11 **Lab ID: 92206286002** Collected: 06/18/14 10:05 Received: 06/20/14 16:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 Organochlorine Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510							
Aldrin	ND	ug/L	0.50	10	06/21/14 11:23	06/29/14 14:18	309-00-2	
alpha-BHC	**0.79**	ug/L	0.50	10	06/21/14 11:23	06/29/14 14:18	319-84-6	
beta-BHC	ND	ug/L	0.50	10	06/21/14 11:23	06/29/14 14:18	319-85-7	
delta-BHC	**0.79**	ug/L	0.50	10	06/21/14 11:23	06/29/14 14:18	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.50	10	06/21/14 11:23	06/29/14 14:18	58-89-9	
Chlordane (Technical)	ND	ug/L	2.0	10	06/21/14 11:23	06/29/14 14:18	57-74-9	
4,4'-DDD	ND	ug/L	0.50	10	06/21/14 11:23	06/29/14 14:18	72-54-8	
4,4'-DDE	ND	ug/L	0.50	10	06/21/14 11:23	06/29/14 14:18	72-55-9	
4,4'-DDT	ND	ug/L	0.50	10	06/21/14 11:23	06/29/14 14:18	50-29-3	
Dieldrin	**1.3**	ug/L	0.50	10	06/21/14 11:23	06/29/14 14:18	60-57-1	
Endosulfan I	ND	ug/L	0.50	10	06/21/14 11:23	06/29/14 14:18	959-98-8	
Endosulfan II	ND	ug/L	0.50	10	06/21/14 11:23	06/29/14 14:18	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.50	10	06/21/14 11:23	06/29/14 14:18	1031-07-8	
Endrin	ND	ug/L	0.50	10	06/21/14 11:23	06/29/14 14:18	72-20-8	
Endrin aldehyde	ND	ug/L	0.50	10	06/21/14 11:23	06/29/14 14:18	7421-93-4	
Endrin ketone	**3.0**	ug/L	0.50	10	06/21/14 11:23	06/29/14 14:18	53494-70-5	
Heptachlor	ND	ug/L	0.50	10	06/21/14 11:23	06/29/14 14:18	76-44-8	
Heptachlor epoxide	ND	ug/L	0.50	10	06/21/14 11:23	06/29/14 14:18	1024-57-3	
Hexachlorobenzene	ND	ug/L	0.50	10	06/21/14 11:23	06/29/14 14:18	118-74-1	
Methoxychlor	ND	ug/L	1.5	10	06/21/14 11:23	06/29/14 14:18	72-43-5	
Mirex	ND	ug/L	1.5	10	06/21/14 11:23	06/29/14 14:18	2385-85-5	
Toxaphene	ND	ug/L	2.0	10	06/21/14 11:23	06/29/14 14:18	8001-35-2	
Surrogates								
Tetrachloro-m-xylene (S)	0	%	20-130	10	06/21/14 11:23	06/29/14 14:18	877-09-8	S4
Decachlorobiphenyl (S)	0	%	20-130	10	06/21/14 11:23	06/29/14 14:18	2051-24-3	
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		06/26/14 00:01	67-64-1	
Benzene	ND	ug/L	1.0	1		06/26/14 00:01	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		06/26/14 00:01	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		06/26/14 00:01	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		06/26/14 00:01	75-27-4	
Bromoform	ND	ug/L	1.0	1		06/26/14 00:01	75-25-2	
Bromomethane	ND	ug/L	2.0	1		06/26/14 00:01	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		06/26/14 00:01	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		06/26/14 00:01	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		06/26/14 00:01	108-90-7	
Chloroethane	ND	ug/L	1.0	1		06/26/14 00:01	75-00-3	
Chloroform	ND	ug/L	1.0	1		06/26/14 00:01	67-66-3	
Chloromethane	ND	ug/L	1.0	1		06/26/14 00:01	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		06/26/14 00:01	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		06/26/14 00:01	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1		06/26/14 00:01	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		06/26/14 00:01	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		06/26/14 00:01	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		06/26/14 00:01	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		06/26/14 00:01	95-50-1	

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ANALYTICAL RESULTS

Project: LEGION INDUSTRIES
Pace Project No.: 92206286

Sample: MW11 **Lab ID: 92206286002** Collected: 06/18/14 10:05 Received: 06/20/14 16:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
1,3-Dichlorobenzene	ND	ug/L	1.0	1		06/26/14 00:01	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		06/26/14 00:01	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		06/26/14 00:01	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		06/26/14 00:01	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		06/26/14 00:01	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		06/26/14 00:01	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		06/26/14 00:01	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		06/26/14 00:01	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		06/26/14 00:01	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		06/26/14 00:01	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		06/26/14 00:01	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		06/26/14 00:01	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		06/26/14 00:01	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		06/26/14 00:01	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		06/26/14 00:01	108-20-3	
Ethylbenzene	ND	ug/L	1.0	1		06/26/14 00:01	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		06/26/14 00:01	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		06/26/14 00:01	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		06/26/14 00:01	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		06/26/14 00:01	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		06/26/14 00:01	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		06/26/14 00:01	1634-04-4	
Naphthalene	**1.0**	ug/L	1.0	1		06/26/14 00:01	91-20-3	
Styrene	ND	ug/L	1.0	1		06/26/14 00:01	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		06/26/14 00:01	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		06/26/14 00:01	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		06/26/14 00:01	127-18-4	
Toluene	ND	ug/L	1.0	1		06/26/14 00:01	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		06/26/14 00:01	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		06/26/14 00:01	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		06/26/14 00:01	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		06/26/14 00:01	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		06/26/14 00:01	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		06/26/14 00:01	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		06/26/14 00:01	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		06/26/14 00:01	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		06/26/14 00:01	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		06/26/14 00:01	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		06/26/14 00:01	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		06/26/14 00:01	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	97	%	70-130	1		06/26/14 00:01	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130	1		06/26/14 00:01	17060-07-0	
Toluene-d8 (S)	98	%	70-130	1		06/26/14 00:01	2037-26-5	

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ANALYTICAL RESULTS

Project: LEGION INDUSTRIES
Pace Project No.: 92206286

Sample: MW10 **Lab ID: 92206286003** Collected: 06/18/14 16:00 Received: 06/20/14 16:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 Organochlorine Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510							
Aldrin	ND	ug/L	0.050	1	06/21/14 11:23	06/27/14 00:54	309-00-2	
alpha-BHC	ND	ug/L	0.050	1	06/21/14 11:23	06/27/14 00:54	319-84-6	
beta-BHC	ND	ug/L	0.050	1	06/21/14 11:23	06/27/14 00:54	319-85-7	
delta-BHC	ND	ug/L	0.050	1	06/21/14 11:23	06/27/14 00:54	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.050	1	06/21/14 11:23	06/27/14 00:54	58-89-9	
Chlordane (Technical)	ND	ug/L	0.20	1	06/21/14 11:23	06/27/14 00:54	57-74-9	
4,4'-DDD	ND	ug/L	0.050	1	06/21/14 11:23	06/27/14 00:54	72-54-8	
4,4'-DDE	ND	ug/L	0.050	1	06/21/14 11:23	06/27/14 00:54	72-55-9	
4,4'-DDT	ND	ug/L	0.050	1	06/21/14 11:23	06/27/14 00:54	50-29-3	
Dieldrin	ND	ug/L	0.050	1	06/21/14 11:23	06/27/14 00:54	60-57-1	
Endosulfan I	ND	ug/L	0.050	1	06/21/14 11:23	06/27/14 00:54	959-98-8	
Endosulfan II	ND	ug/L	0.050	1	06/21/14 11:23	06/27/14 00:54	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.050	1	06/21/14 11:23	06/27/14 00:54	1031-07-8	
Endrin	ND	ug/L	0.050	1	06/21/14 11:23	06/27/14 00:54	72-20-8	
Endrin aldehyde	ND	ug/L	0.050	1	06/21/14 11:23	06/27/14 00:54	7421-93-4	
Endrin ketone	ND	ug/L	0.050	1	06/21/14 11:23	06/27/14 00:54	53494-70-5	
Heptachlor	ND	ug/L	0.050	1	06/21/14 11:23	06/27/14 00:54	76-44-8	
Heptachlor epoxide	ND	ug/L	0.050	1	06/21/14 11:23	06/27/14 00:54	1024-57-3	
Hexachlorobenzene	ND	ug/L	0.050	1	06/21/14 11:23	06/27/14 00:54	118-74-1	
Methoxychlor	ND	ug/L	0.15	1	06/21/14 11:23	06/27/14 00:54	72-43-5	
Mirex	ND	ug/L	0.15	1	06/21/14 11:23	06/27/14 00:54	2385-85-5	
Toxaphene	ND	ug/L	0.20	1	06/21/14 11:23	06/27/14 00:54	8001-35-2	
Surrogates								
Tetrachloro-m-xylene (S)	36	%	20-130	1	06/21/14 11:23	06/27/14 00:54	877-09-8	
Decachlorobiphenyl (S)	64	%	20-130	1	06/21/14 11:23	06/27/14 00:54	2051-24-3	
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		06/26/14 00:17	67-64-1	
Benzene	ND	ug/L	1.0	1		06/26/14 00:17	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		06/26/14 00:17	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		06/26/14 00:17	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		06/26/14 00:17	75-27-4	
Bromoform	ND	ug/L	1.0	1		06/26/14 00:17	75-25-2	
Bromomethane	ND	ug/L	2.0	1		06/26/14 00:17	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		06/26/14 00:17	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		06/26/14 00:17	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		06/26/14 00:17	108-90-7	
Chloroethane	ND	ug/L	1.0	1		06/26/14 00:17	75-00-3	
Chloroform	ND	ug/L	1.0	1		06/26/14 00:17	67-66-3	
Chloromethane	ND	ug/L	1.0	1		06/26/14 00:17	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		06/26/14 00:17	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		06/26/14 00:17	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1		06/26/14 00:17	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		06/26/14 00:17	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		06/26/14 00:17	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		06/26/14 00:17	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		06/26/14 00:17	95-50-1	

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ANALYTICAL RESULTS

Project: LEGION INDUSTRIES
Pace Project No.: 92206286

Sample: MW10 **Lab ID: 92206286003** Collected: 06/18/14 16:00 Received: 06/20/14 16:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
1,3-Dichlorobenzene	ND	ug/L	1.0	1		06/26/14 00:17	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		06/26/14 00:17	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		06/26/14 00:17	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		06/26/14 00:17	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		06/26/14 00:17	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		06/26/14 00:17	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		06/26/14 00:17	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		06/26/14 00:17	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		06/26/14 00:17	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		06/26/14 00:17	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		06/26/14 00:17	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		06/26/14 00:17	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		06/26/14 00:17	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		06/26/14 00:17	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		06/26/14 00:17	108-20-3	
Ethylbenzene	ND	ug/L	1.0	1		06/26/14 00:17	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		06/26/14 00:17	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		06/26/14 00:17	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		06/26/14 00:17	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		06/26/14 00:17	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		06/26/14 00:17	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		06/26/14 00:17	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		06/26/14 00:17	91-20-3	
Styrene	ND	ug/L	1.0	1		06/26/14 00:17	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		06/26/14 00:17	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		06/26/14 00:17	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		06/26/14 00:17	127-18-4	
Toluene	ND	ug/L	1.0	1		06/26/14 00:17	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		06/26/14 00:17	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		06/26/14 00:17	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		06/26/14 00:17	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		06/26/14 00:17	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		06/26/14 00:17	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		06/26/14 00:17	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		06/26/14 00:17	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		06/26/14 00:17	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		06/26/14 00:17	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		06/26/14 00:17	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		06/26/14 00:17	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		06/26/14 00:17	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	99	%	70-130	1		06/26/14 00:17	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-130	1		06/26/14 00:17	17060-07-0	
Toluene-d8 (S)	98	%	70-130	1		06/26/14 00:17	2037-26-5	

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ANALYTICAL RESULTS

Project: LEGION INDUSTRIES
Pace Project No.: 92206286

Sample: MW16 **Lab ID: 92206286004** Collected: 06/18/14 13:25 Received: 06/20/14 16:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 Organochlorine Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510							
Aldrin	ND	ug/L	0.25	5	06/21/14 11:23	06/29/14 14:35	309-00-2	
alpha-BHC	ND	ug/L	0.25	5	06/21/14 11:23	06/29/14 14:35	319-84-6	
beta-BHC	**0.48**	ug/L	0.25	5	06/21/14 11:23	06/29/14 14:35	319-85-7	
delta-BHC	**2.4**	ug/L	0.25	5	06/21/14 11:23	06/29/14 14:35	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.25	5	06/21/14 11:23	06/29/14 14:35	58-89-9	
Chlordane (Technical)	ND	ug/L	1.0	5	06/21/14 11:23	06/29/14 14:35	57-74-9	
4,4'-DDD	ND	ug/L	0.25	5	06/21/14 11:23	06/29/14 14:35	72-54-8	
4,4'-DDE	ND	ug/L	0.25	5	06/21/14 11:23	06/29/14 14:35	72-55-9	
4,4'-DDT	ND	ug/L	0.25	5	06/21/14 11:23	06/29/14 14:35	50-29-3	
Dieldrin	ND	ug/L	0.25	5	06/21/14 11:23	06/29/14 14:35	60-57-1	
Endosulfan I	ND	ug/L	0.25	5	06/21/14 11:23	06/29/14 14:35	959-98-8	
Endosulfan II	ND	ug/L	0.25	5	06/21/14 11:23	06/29/14 14:35	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.25	5	06/21/14 11:23	06/29/14 14:35	1031-07-8	
Endrin	ND	ug/L	0.25	5	06/21/14 11:23	06/29/14 14:35	72-20-8	
Endrin aldehyde	ND	ug/L	0.25	5	06/21/14 11:23	06/29/14 14:35	7421-93-4	
Endrin ketone	ND	ug/L	0.25	5	06/21/14 11:23	06/29/14 14:35	53494-70-5	
Heptachlor	ND	ug/L	0.25	5	06/21/14 11:23	06/29/14 14:35	76-44-8	
Heptachlor epoxide	ND	ug/L	0.25	5	06/21/14 11:23	06/29/14 14:35	1024-57-3	
Hexachlorobenzene	ND	ug/L	0.25	5	06/21/14 11:23	06/29/14 14:35	118-74-1	
Methoxychlor	ND	ug/L	0.75	5	06/21/14 11:23	06/29/14 14:35	72-43-5	
Mirex	ND	ug/L	0.75	5	06/21/14 11:23	06/29/14 14:35	2385-85-5	
Toxaphene	ND	ug/L	1.0	5	06/21/14 11:23	06/29/14 14:35	8001-35-2	
Surrogates								
Tetrachloro-m-xylene (S)	0	%	20-130	5	06/21/14 11:23	06/29/14 14:35	877-09-8	S4
Decachlorobiphenyl (S)	0	%	20-130	5	06/21/14 11:23	06/29/14 14:35	2051-24-3	
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		06/26/14 00:33	67-64-1	
Benzene	**10**	ug/L	1.0	1		06/26/14 00:33	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		06/26/14 00:33	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		06/26/14 00:33	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		06/26/14 00:33	75-27-4	
Bromoform	ND	ug/L	1.0	1		06/26/14 00:33	75-25-2	
Bromomethane	ND	ug/L	2.0	1		06/26/14 00:33	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		06/26/14 00:33	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		06/26/14 00:33	56-23-5	
Chlorobenzene	**45.3**	ug/L	1.0	1		06/26/14 00:33	108-90-7	
Chloroethane	ND	ug/L	1.0	1		06/26/14 00:33	75-00-3	
Chloroform	ND	ug/L	1.0	1		06/26/14 00:33	67-66-3	
Chloromethane	ND	ug/L	1.0	1		06/26/14 00:33	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		06/26/14 00:33	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		06/26/14 00:33	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1		06/26/14 00:33	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		06/26/14 00:33	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		06/26/14 00:33	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		06/26/14 00:33	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		06/26/14 00:33	95-50-1	

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ANALYTICAL RESULTS

Project: LEGION INDUSTRIES
Pace Project No.: 92206286

Sample: MW16 **Lab ID: 92206286004** Collected: 06/18/14 13:25 Received: 06/20/14 16:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
1,3-Dichlorobenzene	ND	ug/L	1.0	1		06/26/14 00:33	541-73-1	
1,4-Dichlorobenzene	**5.9**	ug/L	1.0	1		06/26/14 00:33	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		06/26/14 00:33	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		06/26/14 00:33	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		06/26/14 00:33	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		06/26/14 00:33	75-35-4	
cis-1,2-Dichloroethene	**1.4**	ug/L	1.0	1		06/26/14 00:33	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		06/26/14 00:33	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		06/26/14 00:33	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		06/26/14 00:33	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		06/26/14 00:33	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		06/26/14 00:33	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		06/26/14 00:33	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		06/26/14 00:33	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		06/26/14 00:33	108-20-3	
Ethylbenzene	**657**	ug/L	10.0	10		06/26/14 22:17	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		06/26/14 00:33	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		06/26/14 00:33	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		06/26/14 00:33	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		06/26/14 00:33	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		06/26/14 00:33	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		06/26/14 00:33	1634-04-4	
Naphthalene	**174**	ug/L	1.0	1		06/26/14 00:33	91-20-3	
Styrene	ND	ug/L	1.0	1		06/26/14 00:33	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		06/26/14 00:33	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		06/26/14 00:33	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		06/26/14 00:33	127-18-4	
Toluene	**4.2**	ug/L	1.0	1		06/26/14 00:33	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		06/26/14 00:33	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		06/26/14 00:33	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		06/26/14 00:33	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		06/26/14 00:33	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		06/26/14 00:33	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		06/26/14 00:33	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		06/26/14 00:33	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		06/26/14 00:33	108-05-4	
Vinyl chloride	**46.9**	ug/L	1.0	1		06/26/14 00:33	75-01-4	
Xylene (Total)	**928**	ug/L	20.0	10		06/26/14 22:17	1330-20-7	
m&p-Xylene	**920**	ug/L	20.0	10		06/26/14 22:17	179601-23-1	
o-Xylene	**8.1**	ug/L	1.0	1		06/26/14 00:33	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	99	%	70-130	1		06/26/14 00:33	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	70-130	1		06/26/14 00:33	17060-07-0	
Toluene-d8 (S)	103	%	70-130	1		06/26/14 00:33	2037-26-5	

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ANALYTICAL RESULTS

Project: LEGION INDUSTRIES
Pace Project No.: 92206286

Sample: MW17 **Lab ID: 92206286005** Collected: 06/18/14 15:25 Received: 06/20/14 16:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 Organochlorine Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510							
Aldrin	ND	ug/L	0.10	2	06/21/14 11:23	06/29/14 14:53	309-00-2	
alpha-BHC	**0.21**	ug/L	0.10	2	06/21/14 11:23	06/29/14 14:53	319-84-6	
beta-BHC	**1.0**	ug/L	0.10	2	06/21/14 11:23	06/29/14 14:53	319-85-7	
delta-BHC	**0.45**	ug/L	0.10	2	06/21/14 11:23	06/29/14 14:53	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.10	2	06/21/14 11:23	06/29/14 14:53	58-89-9	
Chlordane (Technical)	ND	ug/L	0.40	2	06/21/14 11:23	06/29/14 14:53	57-74-9	
4,4'-DDD	ND	ug/L	0.10	2	06/21/14 11:23	06/29/14 14:53	72-54-8	
4,4'-DDE	ND	ug/L	0.10	2	06/21/14 11:23	06/29/14 14:53	72-55-9	
4,4'-DDT	ND	ug/L	0.10	2	06/21/14 11:23	06/29/14 14:53	50-29-3	
Dieldrin	**0.22**	ug/L	0.10	2	06/21/14 11:23	06/29/14 14:53	60-57-1	
Endosulfan I	ND	ug/L	0.10	2	06/21/14 11:23	06/29/14 14:53	959-98-8	
Endosulfan II	ND	ug/L	0.10	2	06/21/14 11:23	06/29/14 14:53	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.10	2	06/21/14 11:23	06/29/14 14:53	1031-07-8	
Endrin	**0.28**	ug/L	0.10	2	06/21/14 11:23	06/29/14 14:53	72-20-8	
Endrin aldehyde	ND	ug/L	0.10	2	06/21/14 11:23	06/29/14 14:53	7421-93-4	
Endrin ketone	**0.26**	ug/L	0.10	2	06/21/14 11:23	06/29/14 14:53	53494-70-5	
Heptachlor	ND	ug/L	0.10	2	06/21/14 11:23	06/29/14 14:53	76-44-8	
Heptachlor epoxide	ND	ug/L	0.10	2	06/21/14 11:23	06/29/14 14:53	1024-57-3	
Hexachlorobenzene	ND	ug/L	0.10	2	06/21/14 11:23	06/29/14 14:53	118-74-1	
Methoxychlor	ND	ug/L	0.30	2	06/21/14 11:23	06/29/14 14:53	72-43-5	
Mirex	ND	ug/L	0.30	2	06/21/14 11:23	06/29/14 14:53	2385-85-5	
Toxaphene	ND	ug/L	0.40	2	06/21/14 11:23	06/29/14 14:53	8001-35-2	
Surrogates								
Tetrachloro-m-xylene (S)	39	%	20-130	2	06/21/14 11:23	06/29/14 14:53	877-09-8	
Decachlorobiphenyl (S)	54	%	20-130	2	06/21/14 11:23	06/29/14 14:53	2051-24-3	
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	125	5		06/27/14 00:27	67-64-1	
Benzene	ND	ug/L	5.0	5		06/27/14 00:27	71-43-2	
Bromobenzene	ND	ug/L	5.0	5		06/27/14 00:27	108-86-1	
Bromochloromethane	ND	ug/L	5.0	5		06/27/14 00:27	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	5		06/27/14 00:27	75-27-4	
Bromoform	ND	ug/L	5.0	5		06/27/14 00:27	75-25-2	
Bromomethane	ND	ug/L	10.0	5		06/27/14 00:27	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	5		06/27/14 00:27	78-93-3	
Carbon tetrachloride	ND	ug/L	5.0	5		06/27/14 00:27	56-23-5	
Chlorobenzene	ND	ug/L	5.0	5		06/27/14 00:27	108-90-7	
Chloroethane	ND	ug/L	5.0	5		06/27/14 00:27	75-00-3	
Chloroform	ND	ug/L	5.0	5		06/27/14 00:27	67-66-3	
Chloromethane	ND	ug/L	5.0	5		06/27/14 00:27	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	5		06/27/14 00:27	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	5		06/27/14 00:27	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	5		06/27/14 00:27	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	5		06/27/14 00:27	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	5		06/27/14 00:27	106-93-4	
Dibromomethane	ND	ug/L	5.0	5		06/27/14 00:27	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	5		06/27/14 00:27	95-50-1	

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ANALYTICAL RESULTS

Project: LEGION INDUSTRIES
Pace Project No.: 92206286

Sample: MW17 **Lab ID: 92206286005** Collected: 06/18/14 15:25 Received: 06/20/14 16:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
1,3-Dichlorobenzene	ND	ug/L	5.0	5		06/27/14 00:27	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	5		06/27/14 00:27	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	5		06/27/14 00:27	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	5		06/27/14 00:27	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	5		06/27/14 00:27	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	5		06/27/14 00:27	75-35-4	
cis-1,2-Dichloroethene	**803**	ug/L	5.0	5		06/27/14 00:27	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	5		06/27/14 00:27	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	5		06/27/14 00:27	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	5		06/27/14 00:27	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	5		06/27/14 00:27	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	5		06/27/14 00:27	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	5		06/27/14 00:27	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	5		06/27/14 00:27	10061-02-6	
Diisopropyl ether	ND	ug/L	5.0	5		06/27/14 00:27	108-20-3	
Ethylbenzene	ND	ug/L	5.0	5		06/27/14 00:27	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	5		06/27/14 00:27	87-68-3	
2-Hexanone	ND	ug/L	25.0	5		06/27/14 00:27	591-78-6	
p-Isopropyltoluene	ND	ug/L	5.0	5		06/27/14 00:27	99-87-6	
Methylene Chloride	ND	ug/L	10.0	5		06/27/14 00:27	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	5		06/27/14 00:27	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	5.0	5		06/27/14 00:27	1634-04-4	
Naphthalene	**6.1**	ug/L	5.0	5		06/27/14 00:27	91-20-3	
Styrene	ND	ug/L	5.0	5		06/27/14 00:27	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	5		06/27/14 00:27	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	5		06/27/14 00:27	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	5		06/27/14 00:27	127-18-4	
Toluene	ND	ug/L	5.0	5		06/27/14 00:27	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	5		06/27/14 00:27	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	5		06/27/14 00:27	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	5		06/27/14 00:27	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	5		06/27/14 00:27	79-00-5	
Trichloroethene	**926**	ug/L	5.0	5		06/27/14 00:27	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	5		06/27/14 00:27	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	5		06/27/14 00:27	96-18-4	
Vinyl acetate	ND	ug/L	10.0	5		06/27/14 00:27	108-05-4	
Vinyl chloride	**33.0**	ug/L	5.0	5		06/27/14 00:27	75-01-4	
Xylene (Total)	ND	ug/L	10.0	5		06/27/14 00:27	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	5		06/27/14 00:27	179601-23-1	
o-Xylene	ND	ug/L	5.0	5		06/27/14 00:27	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	99	%	70-130	5		06/27/14 00:27	460-00-4	
1,2-Dichloroethane-d4 (S)	112	%	70-130	5		06/27/14 00:27	17060-07-0	
Toluene-d8 (S)	99	%	70-130	5		06/27/14 00:27	2037-26-5	

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ANALYTICAL RESULTS

Project: LEGION INDUSTRIES
Pace Project No.: 92206286

Sample: MW15 **Lab ID: 92206286006** Collected: 06/18/14 14:40 Received: 06/20/14 16:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 Organochlorine Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510							
Aldrin	ND	ug/L	0.050	1	06/21/14 11:23	06/27/14 02:58	309-00-2	
alpha-BHC	ND	ug/L	0.050	1	06/21/14 11:23	06/27/14 02:58	319-84-6	
beta-BHC	ND	ug/L	0.050	1	06/21/14 11:23	06/27/14 02:58	319-85-7	
delta-BHC	ND	ug/L	0.050	1	06/21/14 11:23	06/27/14 02:58	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.050	1	06/21/14 11:23	06/27/14 02:58	58-89-9	
Chlordane (Technical)	ND	ug/L	0.20	1	06/21/14 11:23	06/27/14 02:58	57-74-9	
4,4'-DDD	ND	ug/L	0.050	1	06/21/14 11:23	06/27/14 02:58	72-54-8	
4,4'-DDE	ND	ug/L	0.050	1	06/21/14 11:23	06/27/14 02:58	72-55-9	
4,4'-DDT	ND	ug/L	0.050	1	06/21/14 11:23	06/27/14 02:58	50-29-3	
Dieldrin	ND	ug/L	0.050	1	06/21/14 11:23	06/27/14 02:58	60-57-1	
Endosulfan I	ND	ug/L	0.050	1	06/21/14 11:23	06/27/14 02:58	959-98-8	
Endosulfan II	ND	ug/L	0.050	1	06/21/14 11:23	06/27/14 02:58	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.050	1	06/21/14 11:23	06/27/14 02:58	1031-07-8	
Endrin	ND	ug/L	0.050	1	06/21/14 11:23	06/27/14 02:58	72-20-8	
Endrin aldehyde	ND	ug/L	0.050	1	06/21/14 11:23	06/27/14 02:58	7421-93-4	
Endrin ketone	ND	ug/L	0.050	1	06/21/14 11:23	06/27/14 02:58	53494-70-5	
Heptachlor	ND	ug/L	0.050	1	06/21/14 11:23	06/27/14 02:58	76-44-8	
Heptachlor epoxide	ND	ug/L	0.050	1	06/21/14 11:23	06/27/14 02:58	1024-57-3	
Hexachlorobenzene	ND	ug/L	0.050	1	06/21/14 11:23	06/27/14 02:58	118-74-1	
Methoxychlor	ND	ug/L	0.15	1	06/21/14 11:23	06/27/14 02:58	72-43-5	
Mirex	ND	ug/L	0.15	1	06/21/14 11:23	06/27/14 02:58	2385-85-5	
Toxaphene	ND	ug/L	0.20	1	06/21/14 11:23	06/27/14 02:58	8001-35-2	
Surrogates								
Tetrachloro-m-xylene (S)	40	%	20-130	1	06/21/14 11:23	06/27/14 02:58	877-09-8	
Decachlorobiphenyl (S)	80	%	20-130	1	06/21/14 11:23	06/27/14 02:58	2051-24-3	
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		06/27/14 00:43	67-64-1	
Benzene	ND	ug/L	1.0	1		06/27/14 00:43	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		06/27/14 00:43	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		06/27/14 00:43	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		06/27/14 00:43	75-27-4	
Bromoform	ND	ug/L	1.0	1		06/27/14 00:43	75-25-2	
Bromomethane	ND	ug/L	2.0	1		06/27/14 00:43	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		06/27/14 00:43	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		06/27/14 00:43	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		06/27/14 00:43	108-90-7	
Chloroethane	ND	ug/L	1.0	1		06/27/14 00:43	75-00-3	
Chloroform	**1.1**	ug/L	1.0	1		06/27/14 00:43	67-66-3	
Chloromethane	ND	ug/L	1.0	1		06/27/14 00:43	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		06/27/14 00:43	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		06/27/14 00:43	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1		06/27/14 00:43	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		06/27/14 00:43	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		06/27/14 00:43	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		06/27/14 00:43	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		06/27/14 00:43	95-50-1	

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ANALYTICAL RESULTS

Project: LEGION INDUSTRIES
Pace Project No.: 92206286

Sample: MW15 **Lab ID: 92206286006** Collected: 06/18/14 14:40 Received: 06/20/14 16:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
1,3-Dichlorobenzene	ND	ug/L	1.0	1		06/27/14 00:43	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		06/27/14 00:43	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		06/27/14 00:43	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		06/27/14 00:43	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		06/27/14 00:43	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		06/27/14 00:43	75-35-4	
cis-1,2-Dichloroethene	**1.0**	ug/L	1.0	1		06/27/14 00:43	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		06/27/14 00:43	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		06/27/14 00:43	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		06/27/14 00:43	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		06/27/14 00:43	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		06/27/14 00:43	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		06/27/14 00:43	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		06/27/14 00:43	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		06/27/14 00:43	108-20-3	
Ethylbenzene	ND	ug/L	1.0	1		06/27/14 00:43	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		06/27/14 00:43	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		06/27/14 00:43	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		06/27/14 00:43	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		06/27/14 00:43	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		06/27/14 00:43	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		06/27/14 00:43	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		06/27/14 00:43	91-20-3	
Styrene	ND	ug/L	1.0	1		06/27/14 00:43	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		06/27/14 00:43	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		06/27/14 00:43	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		06/27/14 00:43	127-18-4	
Toluene	ND	ug/L	1.0	1		06/27/14 00:43	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		06/27/14 00:43	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		06/27/14 00:43	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		06/27/14 00:43	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		06/27/14 00:43	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		06/27/14 00:43	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		06/27/14 00:43	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		06/27/14 00:43	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		06/27/14 00:43	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		06/27/14 00:43	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		06/27/14 00:43	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		06/27/14 00:43	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		06/27/14 00:43	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	101	%	70-130	1		06/27/14 00:43	460-00-4	
1,2-Dichloroethane-d4 (S)	112	%	70-130	1		06/27/14 00:43	17060-07-0	
Toluene-d8 (S)	99	%	70-130	1		06/27/14 00:43	2037-26-5	

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ANALYTICAL RESULTS

Project: LEGION INDUSTRIES
Pace Project No.: 92206286

Sample: MW14 **Lab ID: 92206286007** Collected: 06/19/14 11:06 Received: 06/20/14 16:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 Organochlorine Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510							
Aldrin	ND	ug/L	0.050	1	06/21/14 11:23	06/27/14 03:15	309-00-2	
alpha-BHC	ND	ug/L	0.050	1	06/21/14 11:23	06/27/14 03:15	319-84-6	
beta-BHC	ND	ug/L	0.050	1	06/21/14 11:23	06/27/14 03:15	319-85-7	
delta-BHC	ND	ug/L	0.050	1	06/21/14 11:23	06/27/14 03:15	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.050	1	06/21/14 11:23	06/27/14 03:15	58-89-9	
Chlordane (Technical)	ND	ug/L	0.20	1	06/21/14 11:23	06/27/14 03:15	57-74-9	
4,4'-DDD	ND	ug/L	0.050	1	06/21/14 11:23	06/27/14 03:15	72-54-8	
4,4'-DDE	ND	ug/L	0.050	1	06/21/14 11:23	06/27/14 03:15	72-55-9	
4,4'-DDT	ND	ug/L	0.050	1	06/21/14 11:23	06/27/14 03:15	50-29-3	
Dieldrin	ND	ug/L	0.050	1	06/21/14 11:23	06/27/14 03:15	60-57-1	
Endosulfan I	ND	ug/L	0.050	1	06/21/14 11:23	06/27/14 03:15	959-98-8	
Endosulfan II	ND	ug/L	0.050	1	06/21/14 11:23	06/27/14 03:15	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.050	1	06/21/14 11:23	06/27/14 03:15	1031-07-8	
Endrin	ND	ug/L	0.050	1	06/21/14 11:23	06/27/14 03:15	72-20-8	
Endrin aldehyde	ND	ug/L	0.050	1	06/21/14 11:23	06/27/14 03:15	7421-93-4	
Endrin ketone	ND	ug/L	0.050	1	06/21/14 11:23	06/27/14 03:15	53494-70-5	
Heptachlor	ND	ug/L	0.050	1	06/21/14 11:23	06/27/14 03:15	76-44-8	
Heptachlor epoxide	ND	ug/L	0.050	1	06/21/14 11:23	06/27/14 03:15	1024-57-3	
Hexachlorobenzene	ND	ug/L	0.050	1	06/21/14 11:23	06/27/14 03:15	118-74-1	
Methoxychlor	ND	ug/L	0.15	1	06/21/14 11:23	06/27/14 03:15	72-43-5	
Mirex	ND	ug/L	0.15	1	06/21/14 11:23	06/27/14 03:15	2385-85-5	
Toxaphene	ND	ug/L	0.20	1	06/21/14 11:23	06/27/14 03:15	8001-35-2	
Surrogates								
Tetrachloro-m-xylene (S)	68	%	20-130	1	06/21/14 11:23	06/27/14 03:15	877-09-8	
Decachlorobiphenyl (S)	82	%	20-130	1	06/21/14 11:23	06/27/14 03:15	2051-24-3	
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		06/26/14 01:22	67-64-1	
Benzene	ND	ug/L	1.0	1		06/26/14 01:22	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		06/26/14 01:22	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		06/26/14 01:22	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		06/26/14 01:22	75-27-4	
Bromoform	ND	ug/L	1.0	1		06/26/14 01:22	75-25-2	
Bromomethane	ND	ug/L	2.0	1		06/26/14 01:22	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		06/26/14 01:22	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		06/26/14 01:22	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		06/26/14 01:22	108-90-7	
Chloroethane	ND	ug/L	1.0	1		06/26/14 01:22	75-00-3	
Chloroform	ND	ug/L	1.0	1		06/26/14 01:22	67-66-3	
Chloromethane	ND	ug/L	1.0	1		06/26/14 01:22	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		06/26/14 01:22	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		06/26/14 01:22	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1		06/26/14 01:22	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		06/26/14 01:22	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		06/26/14 01:22	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		06/26/14 01:22	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		06/26/14 01:22	95-50-1	

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ANALYTICAL RESULTS

Project: LEGION INDUSTRIES
Pace Project No.: 92206286

Sample: MW14 **Lab ID: 92206286007** Collected: 06/19/14 11:06 Received: 06/20/14 16:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
1,3-Dichlorobenzene	ND	ug/L	1.0	1		06/26/14 01:22	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		06/26/14 01:22	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		06/26/14 01:22	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		06/26/14 01:22	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		06/26/14 01:22	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		06/26/14 01:22	75-35-4	
cis-1,2-Dichloroethene	**1.6**	ug/L	1.0	1		06/26/14 01:22	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		06/26/14 01:22	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		06/26/14 01:22	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		06/26/14 01:22	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		06/26/14 01:22	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		06/26/14 01:22	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		06/26/14 01:22	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		06/26/14 01:22	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		06/26/14 01:22	108-20-3	
Ethylbenzene	ND	ug/L	1.0	1		06/26/14 01:22	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		06/26/14 01:22	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		06/26/14 01:22	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		06/26/14 01:22	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		06/26/14 01:22	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		06/26/14 01:22	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		06/26/14 01:22	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		06/26/14 01:22	91-20-3	
Styrene	ND	ug/L	1.0	1		06/26/14 01:22	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		06/26/14 01:22	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		06/26/14 01:22	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		06/26/14 01:22	127-18-4	
Toluene	ND	ug/L	1.0	1		06/26/14 01:22	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		06/26/14 01:22	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		06/26/14 01:22	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		06/26/14 01:22	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		06/26/14 01:22	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		06/26/14 01:22	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		06/26/14 01:22	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		06/26/14 01:22	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		06/26/14 01:22	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		06/26/14 01:22	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		06/26/14 01:22	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		06/26/14 01:22	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		06/26/14 01:22	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	98	%	70-130	1		06/26/14 01:22	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	70-130	1		06/26/14 01:22	17060-07-0	
Toluene-d8 (S)	99	%	70-130	1		06/26/14 01:22	2037-26-5	

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ANALYTICAL RESULTS

Project: LEGION INDUSTRIES
Pace Project No.: 92206286

Sample: MW18 **Lab ID: 92206286008** Collected: 06/19/14 12:35 Received: 06/20/14 16:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 Organochlorine Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510							
Aldrin	ND	ug/L	0.25	5	06/21/14 11:23	06/29/14 15:10	309-00-2	
alpha-BHC	**0.40**	ug/L	0.25	5	06/21/14 11:23	06/29/14 15:10	319-84-6	
beta-BHC	**1.9**	ug/L	0.25	5	06/21/14 11:23	06/29/14 15:10	319-85-7	
delta-BHC	**1.2**	ug/L	0.25	5	06/21/14 11:23	06/29/14 15:10	319-86-8	
gamma-BHC (Lindane)	**1.1**	ug/L	0.25	5	06/21/14 11:23	06/29/14 15:10	58-89-9	
Chlordane (Technical)	ND	ug/L	1.0	5	06/21/14 11:23	06/29/14 15:10	57-74-9	
4,4'-DDD	ND	ug/L	0.25	5	06/21/14 11:23	06/29/14 15:10	72-54-8	
4,4'-DDE	ND	ug/L	0.25	5	06/21/14 11:23	06/29/14 15:10	72-55-9	
4,4'-DDT	ND	ug/L	0.25	5	06/21/14 11:23	06/29/14 15:10	50-29-3	
Dieldrin	ND	ug/L	0.25	5	06/21/14 11:23	06/29/14 15:10	60-57-1	
Endosulfan I	ND	ug/L	0.25	5	06/21/14 11:23	06/29/14 15:10	959-98-8	
Endosulfan II	ND	ug/L	0.25	5	06/21/14 11:23	06/29/14 15:10	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.25	5	06/21/14 11:23	06/29/14 15:10	1031-07-8	
Endrin	**1.2**	ug/L	0.25	5	06/21/14 11:23	06/29/14 15:10	72-20-8	
Endrin aldehyde	ND	ug/L	0.25	5	06/21/14 11:23	06/29/14 15:10	7421-93-4	
Endrin ketone	**1.8**	ug/L	0.25	5	06/21/14 11:23	06/29/14 15:10	53494-70-5	
Heptachlor	ND	ug/L	0.25	5	06/21/14 11:23	06/29/14 15:10	76-44-8	
Heptachlor epoxide	ND	ug/L	0.25	5	06/21/14 11:23	06/29/14 15:10	1024-57-3	
Hexachlorobenzene	ND	ug/L	0.25	5	06/21/14 11:23	06/29/14 15:10	118-74-1	
Methoxychlor	ND	ug/L	0.75	5	06/21/14 11:23	06/29/14 15:10	72-43-5	
Mirex	ND	ug/L	0.75	5	06/21/14 11:23	06/29/14 15:10	2385-85-5	
Toxaphene	ND	ug/L	1.0	5	06/21/14 11:23	06/29/14 15:10	8001-35-2	
Surrogates								
Tetrachloro-m-xylene (S)	0	%	20-130	5	06/21/14 11:23	06/29/14 15:10	877-09-8	S4
Decachlorobiphenyl (S)	0	%	20-130	5	06/21/14 11:23	06/29/14 15:10	2051-24-3	
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		06/26/14 01:38	67-64-1	
Benzene	**4.1**	ug/L	1.0	1		06/26/14 01:38	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		06/26/14 01:38	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		06/26/14 01:38	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		06/26/14 01:38	75-27-4	
Bromoform	ND	ug/L	1.0	1		06/26/14 01:38	75-25-2	
Bromomethane	ND	ug/L	2.0	1		06/26/14 01:38	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		06/26/14 01:38	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		06/26/14 01:38	56-23-5	
Chlorobenzene	**15.4**	ug/L	1.0	1		06/26/14 01:38	108-90-7	
Chloroethane	ND	ug/L	1.0	1		06/26/14 01:38	75-00-3	
Chloroform	ND	ug/L	1.0	1		06/26/14 01:38	67-66-3	
Chloromethane	ND	ug/L	1.0	1		06/26/14 01:38	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		06/26/14 01:38	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		06/26/14 01:38	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1		06/26/14 01:38	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		06/26/14 01:38	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		06/26/14 01:38	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		06/26/14 01:38	74-95-3	
1,2-Dichlorobenzene	**3.2**	ug/L	1.0	1		06/26/14 01:38	95-50-1	

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ANALYTICAL RESULTS

Project: LEGION INDUSTRIES
Pace Project No.: 92206286

Sample: MW18 **Lab ID: 92206286008** Collected: 06/19/14 12:35 Received: 06/20/14 16:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
1,3-Dichlorobenzene	**1.0**	ug/L	1.0	1		06/26/14 01:38	541-73-1	
1,4-Dichlorobenzene	**11.5**	ug/L	1.0	1		06/26/14 01:38	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		06/26/14 01:38	75-71-8	
1,1-Dichloroethane	**4.0**	ug/L	1.0	1		06/26/14 01:38	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		06/26/14 01:38	107-06-2	
1,1-Dichloroethene	**1.7**	ug/L	1.0	1		06/26/14 01:38	75-35-4	
cis-1,2-Dichloroethene	**2530**	ug/L	100	100		06/26/14 22:33	156-59-2	
trans-1,2-Dichloroethene	**3.6**	ug/L	1.0	1		06/26/14 01:38	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		06/26/14 01:38	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		06/26/14 01:38	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		06/26/14 01:38	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		06/26/14 01:38	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		06/26/14 01:38	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		06/26/14 01:38	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		06/26/14 01:38	108-20-3	
Ethylbenzene	ND	ug/L	1.0	1		06/26/14 01:38	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		06/26/14 01:38	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		06/26/14 01:38	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		06/26/14 01:38	99-87-6	
Methylene Chloride	**5.4**	ug/L	2.0	1		06/26/14 01:38	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		06/26/14 01:38	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		06/26/14 01:38	1634-04-4	
Naphthalene	**3.5**	ug/L	1.0	1		06/26/14 01:38	91-20-3	
Styrene	ND	ug/L	1.0	1		06/26/14 01:38	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		06/26/14 01:38	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		06/26/14 01:38	79-34-5	
Tetrachloroethene	**3.5**	ug/L	1.0	1		06/26/14 01:38	127-18-4	
Toluene	ND	ug/L	1.0	1		06/26/14 01:38	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		06/26/14 01:38	87-61-6	
1,2,4-Trichlorobenzene	**7.7**	ug/L	1.0	1		06/26/14 01:38	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		06/26/14 01:38	71-55-6	
1,1,2-Trichloroethane	**1.6**	ug/L	1.0	1		06/26/14 01:38	79-00-5	
Trichloroethene	**3220**	ug/L	100	100		06/26/14 22:33	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		06/26/14 01:38	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		06/26/14 01:38	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		06/26/14 01:38	108-05-4	
Vinyl chloride	**181**	ug/L	100	100		06/26/14 22:33	75-01-4	
Xylene (Total)	**2.4**	ug/L	2.0	1		06/26/14 01:38	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		06/26/14 01:38	179601-23-1	
o-Xylene	**2.4**	ug/L	1.0	1		06/26/14 01:38	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	99	%	70-130	1		06/26/14 01:38	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130	1		06/26/14 01:38	17060-07-0	
Toluene-d8 (S)	112	%	70-130	1		06/26/14 01:38	2037-26-5	

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ANALYTICAL RESULTS

Project: LEGION INDUSTRIES
Pace Project No.: 92206286

Sample: MW14 **Lab ID: 92206286009** Collected: 06/19/14 13:45 Received: 06/20/14 16:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 Organochlorine Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510							
Aldrin	ND	ug/L	1.0	20	06/21/14 11:23	06/29/14 15:28	309-00-2	
alpha-BHC	ND	ug/L	1.0	20	06/21/14 11:23	06/29/14 15:28	319-84-6	
beta-BHC	**1.6**	ug/L	1.0	20	06/21/14 11:23	06/29/14 15:28	319-85-7	
delta-BHC	**1.3**	ug/L	1.0	20	06/21/14 11:23	06/29/14 15:28	319-86-8	
gamma-BHC (Lindane)	**1.2**	ug/L	1.0	20	06/21/14 11:23	06/29/14 15:28	58-89-9	
Chlordane (Technical)	ND	ug/L	4.0	20	06/21/14 11:23	06/29/14 15:28	57-74-9	
4,4'-DDD	**4.9**	ug/L	1.0	20	06/21/14 11:23	06/29/14 15:28	72-54-8	
4,4'-DDE	ND	ug/L	1.0	20	06/21/14 11:23	06/29/14 15:28	72-55-9	
4,4'-DDT	**1.6**	ug/L	1.0	20	06/21/14 11:23	06/29/14 15:28	50-29-3	
Dieldrin	**5.4**	ug/L	1.0	20	06/21/14 11:23	06/29/14 15:28	60-57-1	
Endosulfan I	ND	ug/L	1.0	20	06/21/14 11:23	06/29/14 15:28	959-98-8	
Endosulfan II	ND	ug/L	1.0	20	06/21/14 11:23	06/29/14 15:28	33213-65-9	
Endosulfan sulfate	ND	ug/L	1.0	20	06/21/14 11:23	06/29/14 15:28	1031-07-8	
Endrin	**5.1**	ug/L	1.0	20	06/21/14 11:23	06/29/14 15:28	72-20-8	
Endrin aldehyde	ND	ug/L	1.0	20	06/21/14 11:23	06/29/14 15:28	7421-93-4	
Endrin ketone	**4.4**	ug/L	1.0	20	06/21/14 11:23	06/29/14 15:28	53494-70-5	
Heptachlor	ND	ug/L	1.0	20	06/21/14 11:23	06/29/14 15:28	76-44-8	
Heptachlor epoxide	ND	ug/L	1.0	20	06/21/14 11:23	06/29/14 15:28	1024-57-3	
Hexachlorobenzene	ND	ug/L	1.0	20	06/21/14 11:23	06/29/14 15:28	118-74-1	
Methoxychlor	ND	ug/L	3.0	20	06/21/14 11:23	06/29/14 15:28	72-43-5	
Mirex	ND	ug/L	3.0	20	06/21/14 11:23	06/29/14 15:28	2385-85-5	
Toxaphene	ND	ug/L	4.0	20	06/21/14 11:23	06/29/14 15:28	8001-35-2	
Surrogates								
Tetrachloro-m-xylene (S)	0	%	20-130	20	06/21/14 11:23	06/29/14 15:28	877-09-8	S4
Decachlorobiphenyl (S)	0	%	20-130	20	06/21/14 11:23	06/29/14 15:28	2051-24-3	
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		06/26/14 01:54	67-64-1	
Benzene	ND	ug/L	1.0	1		06/26/14 01:54	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		06/26/14 01:54	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		06/26/14 01:54	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		06/26/14 01:54	75-27-4	
Bromoform	ND	ug/L	1.0	1		06/26/14 01:54	75-25-2	
Bromomethane	ND	ug/L	2.0	1		06/26/14 01:54	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		06/26/14 01:54	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		06/26/14 01:54	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		06/26/14 01:54	108-90-7	
Chloroethane	ND	ug/L	1.0	1		06/26/14 01:54	75-00-3	
Chloroform	ND	ug/L	1.0	1		06/26/14 01:54	67-66-3	
Chloromethane	ND	ug/L	1.0	1		06/26/14 01:54	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		06/26/14 01:54	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		06/26/14 01:54	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1		06/26/14 01:54	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		06/26/14 01:54	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		06/26/14 01:54	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		06/26/14 01:54	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		06/26/14 01:54	95-50-1	

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ANALYTICAL RESULTS

Project: LEGION INDUSTRIES
Pace Project No.: 92206286

Sample: MW14 **Lab ID: 92206286009** Collected: 06/19/14 13:45 Received: 06/20/14 16:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
1,3-Dichlorobenzene	ND	ug/L	1.0	1		06/26/14 01:54	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		06/26/14 01:54	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		06/26/14 01:54	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		06/26/14 01:54	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		06/26/14 01:54	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		06/26/14 01:54	75-35-4	
cis-1,2-Dichloroethene	**127**	ug/L	1.0	1		06/26/14 01:54	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		06/26/14 01:54	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		06/26/14 01:54	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		06/26/14 01:54	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		06/26/14 01:54	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		06/26/14 01:54	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		06/26/14 01:54	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		06/26/14 01:54	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		06/26/14 01:54	108-20-3	
Ethylbenzene	**311**	ug/L	20.0	20		06/26/14 22:49	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		06/26/14 01:54	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		06/26/14 01:54	591-78-6	
p-Isopropyltoluene	**1.2**	ug/L	1.0	1		06/26/14 01:54	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		06/26/14 01:54	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		06/26/14 01:54	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		06/26/14 01:54	1634-04-4	
Naphthalene	**10.0**	ug/L	1.0	1		06/26/14 01:54	91-20-3	
Styrene	ND	ug/L	1.0	1		06/26/14 01:54	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		06/26/14 01:54	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		06/26/14 01:54	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		06/26/14 01:54	127-18-4	
Toluene	**12.1**	ug/L	1.0	1		06/26/14 01:54	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		06/26/14 01:54	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		06/26/14 01:54	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		06/26/14 01:54	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		06/26/14 01:54	79-00-5	
Trichloroethene	**62.3**	ug/L	1.0	1		06/26/14 01:54	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		06/26/14 01:54	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		06/26/14 01:54	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		06/26/14 01:54	108-05-4	
Vinyl chloride	**5.1**	ug/L	1.0	1		06/26/14 01:54	75-01-4	
Xylene (Total)	**2120**	ug/L	40.0	20		06/26/14 22:49	1330-20-7	
m&p-Xylene	**1690**	ug/L	40.0	20		06/26/14 22:49	179601-23-1	
o-Xylene	**423**	ug/L	20.0	20		06/26/14 22:49	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	101	%	70-130	1		06/26/14 01:54	460-00-4	
1,2-Dichloroethane-d4 (S)	93	%	70-130	1		06/26/14 01:54	17060-07-0	
Toluene-d8 (S)	106	%	70-130	1		06/26/14 01:54	2037-26-5	

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ANALYTICAL RESULTS

Project: LEGION INDUSTRIES
Pace Project No.: 92206286

Sample: TRIP BLANK **Lab ID: 92206286010** Collected: 06/18/14 00:00 Received: 06/20/14 16:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		06/26/14 01:12	67-64-1	
Benzene	ND	ug/L	1.0	1		06/26/14 01:12	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		06/26/14 01:12	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		06/26/14 01:12	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		06/26/14 01:12	75-27-4	
Bromoform	ND	ug/L	1.0	1		06/26/14 01:12	75-25-2	
Bromomethane	ND	ug/L	2.0	1		06/26/14 01:12	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		06/26/14 01:12	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		06/26/14 01:12	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		06/26/14 01:12	108-90-7	
Chloroethane	ND	ug/L	1.0	1		06/26/14 01:12	75-00-3	
Chloroform	ND	ug/L	1.0	1		06/26/14 01:12	67-66-3	
Chloromethane	ND	ug/L	1.0	1		06/26/14 01:12	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		06/26/14 01:12	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		06/26/14 01:12	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1		06/26/14 01:12	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		06/26/14 01:12	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		06/26/14 01:12	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		06/26/14 01:12	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		06/26/14 01:12	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		06/26/14 01:12	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		06/26/14 01:12	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		06/26/14 01:12	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		06/26/14 01:12	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		06/26/14 01:12	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		06/26/14 01:12	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		06/26/14 01:12	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		06/26/14 01:12	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		06/26/14 01:12	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		06/26/14 01:12	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		06/26/14 01:12	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		06/26/14 01:12	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		06/26/14 01:12	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		06/26/14 01:12	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		06/26/14 01:12	108-20-3	
Ethylbenzene	ND	ug/L	1.0	1		06/26/14 01:12	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		06/26/14 01:12	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		06/26/14 01:12	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		06/26/14 01:12	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		06/26/14 01:12	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		06/26/14 01:12	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		06/26/14 01:12	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		06/26/14 01:12	91-20-3	
Styrene	ND	ug/L	1.0	1		06/26/14 01:12	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		06/26/14 01:12	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		06/26/14 01:12	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		06/26/14 01:12	127-18-4	

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ANALYTICAL RESULTS

Project: LEGION INDUSTRIES
Pace Project No.: 92206286

Sample: TRIP BLANK **Lab ID: 92206286010** Collected: 06/18/14 00:00 Received: 06/20/14 16:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Toluene	ND	ug/L	1.0	1		06/26/14 01:12	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		06/26/14 01:12	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		06/26/14 01:12	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		06/26/14 01:12	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		06/26/14 01:12	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		06/26/14 01:12	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		06/26/14 01:12	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		06/26/14 01:12	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		06/26/14 01:12	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		06/26/14 01:12	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		06/26/14 01:12	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		06/26/14 01:12	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		06/26/14 01:12	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	103	%	70-130	1		06/26/14 01:12	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130	1		06/26/14 01:12	17060-07-0	
Toluene-d8 (S)	99	%	70-130	1		06/26/14 01:12	2037-26-5	

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QUALITY CONTROL DATA

Project: LEGION INDUSTRIES
Pace Project No.: 92206286

QC Batch: MSV/27333
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV Low Level
Associated Lab Samples: 92206286010

METHOD BLANK: 1228110
Matrix: Water
Associated Lab Samples: 92206286010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	06/25/14 19:11	
1,1,1-Trichloroethane	ug/L	ND	1.0	06/25/14 19:11	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	06/25/14 19:11	
1,1,2-Trichloroethane	ug/L	ND	1.0	06/25/14 19:11	
1,1-Dichloroethane	ug/L	ND	1.0	06/25/14 19:11	
1,1-Dichloroethene	ug/L	ND	1.0	06/25/14 19:11	
1,1-Dichloropropene	ug/L	ND	1.0	06/25/14 19:11	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	06/25/14 19:11	
1,2,3-Trichloropropane	ug/L	ND	1.0	06/25/14 19:11	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	06/25/14 19:11	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.0	06/25/14 19:11	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	06/25/14 19:11	
1,2-Dichlorobenzene	ug/L	ND	1.0	06/25/14 19:11	
1,2-Dichloroethane	ug/L	ND	1.0	06/25/14 19:11	
1,2-Dichloropropane	ug/L	ND	1.0	06/25/14 19:11	
1,3-Dichlorobenzene	ug/L	ND	1.0	06/25/14 19:11	
1,3-Dichloropropane	ug/L	ND	1.0	06/25/14 19:11	
1,4-Dichlorobenzene	ug/L	ND	1.0	06/25/14 19:11	
2,2-Dichloropropane	ug/L	ND	1.0	06/25/14 19:11	
2-Butanone (MEK)	ug/L	ND	5.0	06/25/14 19:11	
2-Chlorotoluene	ug/L	ND	1.0	06/25/14 19:11	
2-Hexanone	ug/L	ND	5.0	06/25/14 19:11	
4-Chlorotoluene	ug/L	ND	1.0	06/25/14 19:11	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	06/25/14 19:11	
Acetone	ug/L	ND	25.0	06/25/14 19:11	
Benzene	ug/L	ND	1.0	06/25/14 19:11	
Bromobenzene	ug/L	ND	1.0	06/25/14 19:11	
Bromochloromethane	ug/L	ND	1.0	06/25/14 19:11	
Bromodichloromethane	ug/L	ND	1.0	06/25/14 19:11	
Bromoform	ug/L	ND	1.0	06/25/14 19:11	
Bromomethane	ug/L	ND	2.0	06/25/14 19:11	
Carbon tetrachloride	ug/L	ND	1.0	06/25/14 19:11	
Chlorobenzene	ug/L	ND	1.0	06/25/14 19:11	
Chloroethane	ug/L	ND	1.0	06/25/14 19:11	
Chloroform	ug/L	ND	1.0	06/25/14 19:11	
Chloromethane	ug/L	ND	1.0	06/25/14 19:11	
cis-1,2-Dichloroethene	ug/L	ND	1.0	06/25/14 19:11	
cis-1,3-Dichloropropene	ug/L	ND	1.0	06/25/14 19:11	
Dibromochloromethane	ug/L	ND	1.0	06/25/14 19:11	
Dibromomethane	ug/L	ND	1.0	06/25/14 19:11	
Dichlorodifluoromethane	ug/L	ND	1.0	06/25/14 19:11	

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QUALITY CONTROL DATA

Project: LEGION INDUSTRIES
Pace Project No.: 92206286

METHOD BLANK: 1228110 Matrix: Water
Associated Lab Samples: 92206286010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diisopropyl ether	ug/L	ND	1.0	06/25/14 19:11	
Ethylbenzene	ug/L	ND	1.0	06/25/14 19:11	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	06/25/14 19:11	
m&p-Xylene	ug/L	ND	2.0	06/25/14 19:11	
Methyl-tert-butyl ether	ug/L	ND	1.0	06/25/14 19:11	
Methylene Chloride	ug/L	ND	2.0	06/25/14 19:11	
Naphthalene	ug/L	ND	1.0	06/25/14 19:11	
o-Xylene	ug/L	ND	1.0	06/25/14 19:11	
p-Isopropyltoluene	ug/L	ND	1.0	06/25/14 19:11	
Styrene	ug/L	ND	1.0	06/25/14 19:11	
Tetrachloroethene	ug/L	ND	1.0	06/25/14 19:11	
Toluene	ug/L	ND	1.0	06/25/14 19:11	
trans-1,2-Dichloroethene	ug/L	ND	1.0	06/25/14 19:11	
trans-1,3-Dichloropropene	ug/L	ND	1.0	06/25/14 19:11	
Trichloroethene	ug/L	ND	1.0	06/25/14 19:11	
Trichlorofluoromethane	ug/L	ND	1.0	06/25/14 19:11	
Vinyl acetate	ug/L	ND	2.0	06/25/14 19:11	
Vinyl chloride	ug/L	ND	1.0	06/25/14 19:11	
Xylene (Total)	ug/L	ND	2.0	06/25/14 19:11	
1,2-Dichloroethane-d4 (S)	%	89	70-130	06/25/14 19:11	
4-Bromofluorobenzene (S)	%	98	70-130	06/25/14 19:11	
Toluene-d8 (S)	%	98	70-130	06/25/14 19:11	

LABORATORY CONTROL SAMPLE: 1228111

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	44.1	88	70-130	
1,1,1-Trichloroethane	ug/L	50	42.4	85	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	47.1	94	70-130	
1,1,2-Trichloroethane	ug/L	50	46.0	92	70-130	
1,1-Dichloroethane	ug/L	50	41.4	83	70-130	
1,1-Dichloroethene	ug/L	50	47.6	95	70-132	
1,1-Dichloropropene	ug/L	50	46.8	94	70-130	
1,2,3-Trichlorobenzene	ug/L	50	49.5	99	70-135	
1,2,3-Trichloropropane	ug/L	50	45.6	91	70-130	
1,2,4-Trichlorobenzene	ug/L	50	52.9	106	70-134	
1,2-Dibromo-3-chloropropane	ug/L	50	46.8	94	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	47.3	95	70-130	
1,2-Dichlorobenzene	ug/L	50	49.6	99	70-130	
1,2-Dichloroethane	ug/L	50	42.0	84	70-130	
1,2-Dichloropropane	ug/L	50	47.1	94	70-130	
1,3-Dichlorobenzene	ug/L	50	49.0	98	70-130	
1,3-Dichloropropane	ug/L	50	46.5	93	70-130	
1,4-Dichlorobenzene	ug/L	50	48.6	97	70-130	

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QUALITY CONTROL DATA

Project: LEGION INDUSTRIES
Pace Project No.: 92206286

LABORATORY CONTROL SAMPLE: 1228111

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,2-Dichloropropane	ug/L	50	43.2	86	58-145	
2-Butanone (MEK)	ug/L	100	83.8	84	70-145	
2-Chlorotoluene	ug/L	50	47.4	95	70-130	
2-Hexanone	ug/L	100	91.4	91	70-144	
4-Chlorotoluene	ug/L	50	46.8	94	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	90.3	90	70-140	
Acetone	ug/L	100	79.6	80	50-175	
Benzene	ug/L	50	47.7	95	70-130	
Bromobenzene	ug/L	50	47.9	96	70-130	
Bromochloromethane	ug/L	50	49.0	98	70-130	
Bromodichloromethane	ug/L	50	48.0	96	70-130	
Bromoform	ug/L	50	49.7	99	70-130	
Bromomethane	ug/L	50	58.1	116	54-130	
Carbon tetrachloride	ug/L	50	46.3	93	70-132	
Chlorobenzene	ug/L	50	48.6	97	70-130	
Chloroethane	ug/L	50	48.4	97	64-134	
Chloroform	ug/L	50	47.0	94	70-130	
Chloromethane	ug/L	50	52.8	106	64-130	
cis-1,2-Dichloroethene	ug/L	50	48.2	96	70-131	
cis-1,3-Dichloropropene	ug/L	50	47.3	95	70-130	
Dibromochloromethane	ug/L	50	51.2	102	70-130	
Dibromomethane	ug/L	50	47.9	96	70-131	
Dichlorodifluoromethane	ug/L	50	61.6	123	56-130	
Diisopropyl ether	ug/L	50	45.1	90	70-130	
Ethylbenzene	ug/L	50	46.2	92	70-130	
Hexachloro-1,3-butadiene	ug/L	50	55.6	111	70-130	
m&p-Xylene	ug/L	100	93.7	94	70-130	
Methyl-tert-butyl ether	ug/L	50	44.5	89	70-130	
Methylene Chloride	ug/L	50	44.5	89	63-130	
Naphthalene	ug/L	50	50.9	102	70-138	
o-Xylene	ug/L	50	47.3	95	70-130	
p-Isopropyltoluene	ug/L	50	49.6	99	70-130	
Styrene	ug/L	50	50.4	101	70-130	
Tetrachloroethene	ug/L	50	46.0	92	70-130	
Toluene	ug/L	50	45.7	91	70-130	
trans-1,2-Dichloroethene	ug/L	50	46.2	92	70-130	
trans-1,3-Dichloropropene	ug/L	50	46.2	92	70-132	
Trichloroethene	ug/L	50	45.8	92	70-130	
Trichlorofluoromethane	ug/L	50	51.1	102	62-133	
Vinyl acetate	ug/L	100	102	102	66-157	
Vinyl chloride	ug/L	50	53.8	108	50-150	
Xylene (Total)	ug/L	150	141	94	70-130	
1,2-Dichloroethane-d4 (S)	%			95	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Toluene-d8 (S)	%			99	70-130	

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QUALITY CONTROL DATA

Project: LEGION INDUSTRIES
Pace Project No.: 92206286

MATRIX SPIKE SAMPLE: 1228112

Parameter	Units	92206035004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/L	ND	50	57.6	115	70-166	
Benzene	ug/L	ND	50	56.2	112	70-148	
Chlorobenzene	ug/L	ND	50	54.6	109	70-146	
Toluene	ug/L	ND	50	51.6	103	70-155	
Trichloroethene	ug/L	ND	50	57.0	114	69-151	
1,2-Dichloroethane-d4 (S)	%				96	70-130	
4-Bromofluorobenzene (S)	%				100	70-130	
Toluene-d8 (S)	%				99	70-130	

SAMPLE DUPLICATE: 1230114

Parameter	Units	92206035005 Result	Dup Result	RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	ND		
1,1,1-Trichloroethane	ug/L	ND	ND		
1,1,2,2-Tetrachloroethane	ug/L	ND	ND		
1,1,2-Trichloroethane	ug/L	ND	ND		
1,1-Dichloroethane	ug/L	ND	ND		
1,1-Dichloroethene	ug/L	ND	ND		
1,1-Dichloropropene	ug/L	ND	ND		
1,2,3-Trichlorobenzene	ug/L	ND	ND		
1,2,3-Trichloropropane	ug/L	ND	ND		
1,2,4-Trichlorobenzene	ug/L	ND	ND		
1,2-Dibromo-3-chloropropane	ug/L	ND	ND		
1,2-Dibromoethane (EDB)	ug/L	ND	ND		
1,2-Dichlorobenzene	ug/L	ND	ND		
1,2-Dichloroethane	ug/L	ND	ND		
1,2-Dichloropropane	ug/L	ND	ND		
1,3-Dichlorobenzene	ug/L	ND	ND		
1,3-Dichloropropane	ug/L	ND	ND		
1,4-Dichlorobenzene	ug/L	ND	ND		
2,2-Dichloropropane	ug/L	ND	ND		
2-Butanone (MEK)	ug/L	ND	ND		
2-Chlorotoluene	ug/L	ND	ND		
2-Hexanone	ug/L	ND	ND		
4-Chlorotoluene	ug/L	ND	ND		
4-Methyl-2-pentanone (MIBK)	ug/L	ND	ND		
Acetone	ug/L	ND	ND		
Benzene	ug/L	ND	ND		
Bromobenzene	ug/L	ND	ND		
Bromochloromethane	ug/L	ND	ND		
Bromodichloromethane	ug/L	ND	ND		
Bromoform	ug/L	ND	ND		
Bromomethane	ug/L	ND	ND		
Carbon tetrachloride	ug/L	ND	ND		
Chlorobenzene	ug/L	ND	ND		

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QUALITY CONTROL DATA

Project: LEGION INDUSTRIES
Pace Project No.: 92206286

SAMPLE DUPLICATE: 1230114

Parameter	Units	92206035005 Result	Dup Result	RPD	Qualifiers
Chloroethane	ug/L	ND	ND		
Chloroform	ug/L	ND	ND		
Chloromethane	ug/L	ND	ND		
cis-1,2-Dichloroethene	ug/L	ND	ND		
cis-1,3-Dichloropropene	ug/L	ND	ND		
Dibromochloromethane	ug/L	ND	ND		
Dibromomethane	ug/L	ND	ND		
Dichlorodifluoromethane	ug/L	ND	ND		
Diisopropyl ether	ug/L	ND	ND		
Ethylbenzene	ug/L	ND	ND		
Hexachloro-1,3-butadiene	ug/L	ND	1.1		
m&p-Xylene	ug/L	ND	ND		
Methyl-tert-butyl ether	ug/L	ND	ND		
Methylene Chloride	ug/L	ND	ND		
Naphthalene	ug/L	ND	ND		
o-Xylene	ug/L	ND	ND		
p-Isopropyltoluene	ug/L	ND	ND		
Styrene	ug/L	ND	ND		
Tetrachloroethene	ug/L	ND	ND		
Toluene	ug/L	ND	ND		
trans-1,2-Dichloroethene	ug/L	ND	ND		
trans-1,3-Dichloropropene	ug/L	ND	ND		
Trichloroethene	ug/L	ND	ND		
Trichlorofluoromethane	ug/L	ND	ND		
Vinyl acetate	ug/L	ND	ND		
Vinyl chloride	ug/L	ND	ND		
Xylene (Total)	ug/L	ND	ND		
1,2-Dichloroethane-d4 (S)	%	102	97	5	
4-Bromofluorobenzene (S)	%	101	101	1	
Toluene-d8 (S)	%	99	98	1	

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QUALITY CONTROL DATA

Project: LEGION INDUSTRIES
Pace Project No.: 92206286

QC Batch: MSV/27336 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level
Associated Lab Samples: 92206286001, 92206286002, 92206286003, 92206286004, 92206286007, 92206286008, 92206286009

METHOD BLANK: 1228407 Matrix: Water
Associated Lab Samples: 92206286001, 92206286002, 92206286003, 92206286004, 92206286007, 92206286008, 92206286009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	06/25/14 16:23	
1,1,1-Trichloroethane	ug/L	ND	1.0	06/25/14 16:23	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	06/25/14 16:23	
1,1,2-Trichloroethane	ug/L	ND	1.0	06/25/14 16:23	
1,1-Dichloroethane	ug/L	ND	1.0	06/25/14 16:23	
1,1-Dichloroethene	ug/L	ND	1.0	06/25/14 16:23	
1,1-Dichloropropene	ug/L	ND	1.0	06/25/14 16:23	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	06/25/14 16:23	
1,2,3-Trichloropropane	ug/L	ND	1.0	06/25/14 16:23	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	06/25/14 16:23	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.0	06/25/14 16:23	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	06/25/14 16:23	
1,2-Dichlorobenzene	ug/L	ND	1.0	06/25/14 16:23	
1,2-Dichloroethane	ug/L	ND	1.0	06/25/14 16:23	
1,2-Dichloropropane	ug/L	ND	1.0	06/25/14 16:23	
1,3-Dichlorobenzene	ug/L	ND	1.0	06/25/14 16:23	
1,3-Dichloropropane	ug/L	ND	1.0	06/25/14 16:23	
1,4-Dichlorobenzene	ug/L	ND	1.0	06/25/14 16:23	
2,2-Dichloropropane	ug/L	ND	1.0	06/25/14 16:23	
2-Butanone (MEK)	ug/L	ND	5.0	06/25/14 16:23	
2-Chlorotoluene	ug/L	ND	1.0	06/25/14 16:23	
2-Hexanone	ug/L	ND	5.0	06/25/14 16:23	
4-Chlorotoluene	ug/L	ND	1.0	06/25/14 16:23	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	06/25/14 16:23	
Acetone	ug/L	ND	25.0	06/25/14 16:23	
Benzene	ug/L	ND	1.0	06/25/14 16:23	
Bromobenzene	ug/L	ND	1.0	06/25/14 16:23	
Bromochloromethane	ug/L	ND	1.0	06/25/14 16:23	
Bromodichloromethane	ug/L	ND	1.0	06/25/14 16:23	
Bromoform	ug/L	ND	1.0	06/25/14 16:23	
Bromomethane	ug/L	4.8	2.0	06/25/14 16:23	
Carbon tetrachloride	ug/L	ND	1.0	06/25/14 16:23	
Chlorobenzene	ug/L	ND	1.0	06/25/14 16:23	
Chloroethane	ug/L	ND	1.0	06/25/14 16:23	
Chloroform	ug/L	ND	1.0	06/25/14 16:23	
Chloromethane	ug/L	ND	1.0	06/25/14 16:23	
cis-1,2-Dichloroethene	ug/L	ND	1.0	06/25/14 16:23	
cis-1,3-Dichloropropene	ug/L	ND	1.0	06/25/14 16:23	
Dibromochloromethane	ug/L	ND	1.0	06/25/14 16:23	
Dibromomethane	ug/L	ND	1.0	06/25/14 16:23	
Dichlorodifluoromethane	ug/L	ND	1.0	06/25/14 16:23	

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QUALITY CONTROL DATA

Project: LEGION INDUSTRIES
Pace Project No.: 92206286

METHOD BLANK: 1228407 Matrix: Water
Associated Lab Samples: 92206286001, 92206286002, 92206286003, 92206286004, 92206286007, 92206286008, 92206286009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diisopropyl ether	ug/L	ND	1.0	06/25/14 16:23	
Ethylbenzene	ug/L	ND	1.0	06/25/14 16:23	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	06/25/14 16:23	
m&p-Xylene	ug/L	ND	2.0	06/25/14 16:23	
Methyl-tert-butyl ether	ug/L	ND	1.0	06/25/14 16:23	
Methylene Chloride	ug/L	ND	2.0	06/25/14 16:23	
Naphthalene	ug/L	ND	1.0	06/25/14 16:23	
o-Xylene	ug/L	ND	1.0	06/25/14 16:23	
p-Isopropyltoluene	ug/L	ND	1.0	06/25/14 16:23	
Styrene	ug/L	ND	1.0	06/25/14 16:23	
Tetrachloroethene	ug/L	ND	1.0	06/25/14 16:23	
Toluene	ug/L	ND	1.0	06/25/14 16:23	
trans-1,2-Dichloroethene	ug/L	ND	1.0	06/25/14 16:23	
trans-1,3-Dichloropropene	ug/L	ND	1.0	06/25/14 16:23	
Trichloroethene	ug/L	ND	1.0	06/25/14 16:23	
Trichlorofluoromethane	ug/L	ND	1.0	06/25/14 16:23	
Vinyl acetate	ug/L	ND	2.0	06/25/14 16:23	
Vinyl chloride	ug/L	ND	1.0	06/25/14 16:23	
Xylene (Total)	ug/L	ND	2.0	06/25/14 16:23	
1,2-Dichloroethane-d4 (S)	%	100	70-130	06/25/14 16:23	
4-Bromofluorobenzene (S)	%	99	70-130	06/25/14 16:23	
Toluene-d8 (S)	%	100	70-130	06/25/14 16:23	

LABORATORY CONTROL SAMPLE: 1228408

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	51.8	104	70-130	
1,1,1-Trichloroethane	ug/L	50	46.9	94	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	51.9	104	70-130	
1,1,2-Trichloroethane	ug/L	50	52.2	104	70-130	
1,1-Dichloroethane	ug/L	50	46.7	93	70-130	
1,1-Dichloroethene	ug/L	50	53.9	108	70-132	
1,1-Dichloropropene	ug/L	50	54.1	108	70-130	
1,2,3-Trichlorobenzene	ug/L	50	54.7	109	70-135	
1,2,3-Trichloropropane	ug/L	50	51.4	103	70-130	
1,2,4-Trichlorobenzene	ug/L	50	54.3	109	70-134	
1,2-Dibromo-3-chloropropane	ug/L	50	53.3	107	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	52.9	106	70-130	
1,2-Dichlorobenzene	ug/L	50	55.6	111	70-130	
1,2-Dichloroethane	ug/L	50	48.7	97	70-130	
1,2-Dichloropropane	ug/L	50	51.5	103	70-130	
1,3-Dichlorobenzene	ug/L	50	53.1	106	70-130	
1,3-Dichloropropane	ug/L	50	53.7	107	70-130	
1,4-Dichlorobenzene	ug/L	50	52.9	106	70-130	

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QUALITY CONTROL DATA

Project: LEGION INDUSTRIES
Pace Project No.: 92206286

LABORATORY CONTROL SAMPLE: 1228408

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,2-Dichloropropane	ug/L	50	49.7	99	58-145	
2-Butanone (MEK)	ug/L	100	94.3	94	70-145	
2-Chlorotoluene	ug/L	50	56.3	113	70-130	
2-Hexanone	ug/L	100	106	106	70-144	
4-Chlorotoluene	ug/L	50	52.3	105	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	106	106	70-140	
Acetone	ug/L	100	90.2	90	50-175	
Benzene	ug/L	50	54.0	108	70-130	
Bromobenzene	ug/L	50	54.5	109	70-130	
Bromochloromethane	ug/L	50	54.4	109	70-130	
Bromodichloromethane	ug/L	50	53.0	106	70-130	
Bromoform	ug/L	50	55.8	112	70-130	
Bromomethane	ug/L	50	50.2	100	54-130	
Carbon tetrachloride	ug/L	50	50.2	100	70-132	
Chlorobenzene	ug/L	50	53.6	107	70-130	
Chloroethane	ug/L	50	47.6	95	64-134	
Chloroform	ug/L	50	51.0	102	70-130	
Chloromethane	ug/L	50	60.4	121	64-130	
cis-1,2-Dichloroethene	ug/L	50	53.8	108	70-131	
cis-1,3-Dichloropropene	ug/L	50	54.2	108	70-130	
Dibromochloromethane	ug/L	50	55.9	112	70-130	
Dibromomethane	ug/L	50	50.8	102	70-131	
Dichlorodifluoromethane	ug/L	50	63.0	126	56-130	
Diisopropyl ether	ug/L	50	53.7	107	70-130	
Ethylbenzene	ug/L	50	51.9	104	70-130	
Hexachloro-1,3-butadiene	ug/L	50	53.7	107	70-130	
m&p-Xylene	ug/L	100	104	104	70-130	
Methyl-tert-butyl ether	ug/L	50	53.5	107	70-130	
Methylene Chloride	ug/L	50	52.4	105	63-130	
Naphthalene	ug/L	50	56.8	114	70-138	
o-Xylene	ug/L	50	53.2	106	70-130	
p-Isopropyltoluene	ug/L	50	54.5	109	70-130	
Styrene	ug/L	50	56.4	113	70-130	
Tetrachloroethene	ug/L	50	51.3	103	70-130	
Toluene	ug/L	50	50.4	101	70-130	
trans-1,2-Dichloroethene	ug/L	50	54.2	108	70-130	
trans-1,3-Dichloropropene	ug/L	50	53.8	108	70-132	
Trichloroethene	ug/L	50	50.0	100	70-130	
Trichlorofluoromethane	ug/L	50	50.8	102	62-133	
Vinyl acetate	ug/L	100	124	124	66-157	
Vinyl chloride	ug/L	50	55.8	112	50-150	
Xylene (Total)	ug/L	150	158	105	70-130	
1,2-Dichloroethane-d4 (S)	%			101	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Toluene-d8 (S)	%			100	70-130	

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QUALITY CONTROL DATA

Project: LEGION INDUSTRIES
Pace Project No.: 92206286

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1228409 1228410

Parameter	Units	92205895003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,1-Dichloroethene	ug/L	1.1	50	50	58.5	53.1	115	104	70-166	10	
Benzene	ug/L	ND	50	50	54.1	50.8	107	101	70-148	6	
Chlorobenzene	ug/L	ND	50	50	53.7	52.0	107	104	70-146	3	
Toluene	ug/L	ND	50	50	49.6	47.7	99	95	70-155	4	
Trichloroethene	ug/L	1.0	50	50	54.8	53.2	108	104	69-151	3	
1,2-Dichloroethane-d4 (S)	%						115	111	70-130		
4-Bromofluorobenzene (S)	%						100	101	70-130		
Toluene-d8 (S)	%						99	99	70-130		

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QUALITY CONTROL DATA

Project: LEGION INDUSTRIES
Pace Project No.: 92206286

QC Batch: MSV/27357 | Analysis Method: EPA 8260
QC Batch Method: EPA 8260 | Analysis Description: 8260 MSV Low Level
Associated Lab Samples: 92206286005, 92206286006

METHOD BLANK: 1230086 | Matrix: Water
Associated Lab Samples: 92206286005, 92206286006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	06/26/14 17:07	
1,1,1-Trichloroethane	ug/L	ND	1.0	06/26/14 17:07	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	06/26/14 17:07	
1,1,2-Trichloroethane	ug/L	ND	1.0	06/26/14 17:07	
1,1-Dichloroethane	ug/L	ND	1.0	06/26/14 17:07	
1,1-Dichloroethene	ug/L	ND	1.0	06/26/14 17:07	
1,1-Dichloropropene	ug/L	ND	1.0	06/26/14 17:07	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	06/26/14 17:07	
1,2,3-Trichloropropane	ug/L	ND	1.0	06/26/14 17:07	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	06/26/14 17:07	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.0	06/26/14 17:07	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	06/26/14 17:07	
1,2-Dichlorobenzene	ug/L	ND	1.0	06/26/14 17:07	
1,2-Dichloroethane	ug/L	ND	1.0	06/26/14 17:07	
1,2-Dichloropropane	ug/L	ND	1.0	06/26/14 17:07	
1,3-Dichlorobenzene	ug/L	ND	1.0	06/26/14 17:07	
1,3-Dichloropropane	ug/L	ND	1.0	06/26/14 17:07	
1,4-Dichlorobenzene	ug/L	ND	1.0	06/26/14 17:07	
2,2-Dichloropropane	ug/L	ND	1.0	06/26/14 17:07	
2-Butanone (MEK)	ug/L	ND	5.0	06/26/14 17:07	
2-Chlorotoluene	ug/L	ND	1.0	06/26/14 17:07	
2-Hexanone	ug/L	ND	5.0	06/26/14 17:07	
4-Chlorotoluene	ug/L	ND	1.0	06/26/14 17:07	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	06/26/14 17:07	
Acetone	ug/L	ND	25.0	06/26/14 17:07	
Benzene	ug/L	ND	1.0	06/26/14 17:07	
Bromobenzene	ug/L	ND	1.0	06/26/14 17:07	
Bromochloromethane	ug/L	ND	1.0	06/26/14 17:07	
Bromodichloromethane	ug/L	ND	1.0	06/26/14 17:07	
Bromoform	ug/L	ND	1.0	06/26/14 17:07	
Bromomethane	ug/L	ND	2.0	06/26/14 17:07	
Carbon tetrachloride	ug/L	ND	1.0	06/26/14 17:07	
Chlorobenzene	ug/L	ND	1.0	06/26/14 17:07	
Chloroethane	ug/L	ND	1.0	06/26/14 17:07	
Chloroform	ug/L	ND	1.0	06/26/14 17:07	
Chloromethane	ug/L	ND	1.0	06/26/14 17:07	
cis-1,2-Dichloroethene	ug/L	ND	1.0	06/26/14 17:07	
cis-1,3-Dichloropropene	ug/L	ND	1.0	06/26/14 17:07	
Dibromochloromethane	ug/L	ND	1.0	06/26/14 17:07	
Dibromomethane	ug/L	ND	1.0	06/26/14 17:07	
Dichlorodifluoromethane	ug/L	ND	1.0	06/26/14 17:07	

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QUALITY CONTROL DATA

Project: LEGION INDUSTRIES
Pace Project No.: 92206286

METHOD BLANK: 1230086 Matrix: Water
Associated Lab Samples: 92206286005, 92206286006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diisopropyl ether	ug/L	ND	1.0	06/26/14 17:07	
Ethylbenzene	ug/L	ND	1.0	06/26/14 17:07	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	06/26/14 17:07	
m&p-Xylene	ug/L	ND	2.0	06/26/14 17:07	
Methyl-tert-butyl ether	ug/L	ND	1.0	06/26/14 17:07	
Methylene Chloride	ug/L	ND	2.0	06/26/14 17:07	
Naphthalene	ug/L	ND	1.0	06/26/14 17:07	
o-Xylene	ug/L	ND	1.0	06/26/14 17:07	
p-Isopropyltoluene	ug/L	ND	1.0	06/26/14 17:07	
Styrene	ug/L	ND	1.0	06/26/14 17:07	
Tetrachloroethene	ug/L	ND	1.0	06/26/14 17:07	
Toluene	ug/L	ND	1.0	06/26/14 17:07	
trans-1,2-Dichloroethene	ug/L	ND	1.0	06/26/14 17:07	
trans-1,3-Dichloropropene	ug/L	ND	1.0	06/26/14 17:07	
Trichloroethene	ug/L	ND	1.0	06/26/14 17:07	
Trichlorofluoromethane	ug/L	ND	1.0	06/26/14 17:07	
Vinyl acetate	ug/L	ND	2.0	06/26/14 17:07	
Vinyl chloride	ug/L	ND	1.0	06/26/14 17:07	
Xylene (Total)	ug/L	ND	2.0	06/26/14 17:07	
1,2-Dichloroethane-d4 (S)	%	98	70-130	06/26/14 17:07	
4-Bromofluorobenzene (S)	%	99	70-130	06/26/14 17:07	
Toluene-d8 (S)	%	99	70-130	06/26/14 17:07	

LABORATORY CONTROL SAMPLE: 1230087

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	48.5	97	70-130	
1,1,1-Trichloroethane	ug/L	50	49.0	98	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	48.9	98	70-130	
1,1,2-Trichloroethane	ug/L	50	49.6	99	70-130	
1,1-Dichloroethane	ug/L	50	47.2	94	70-130	
1,1-Dichloroethene	ug/L	50	55.8	112	70-132	
1,1-Dichloropropene	ug/L	50	52.9	106	70-130	
1,2,3-Trichlorobenzene	ug/L	50	46.6	93	70-135	
1,2,3-Trichloropropane	ug/L	50	49.6	99	70-130	
1,2,4-Trichlorobenzene	ug/L	50	53.5	107	70-134	
1,2-Dibromo-3-chloropropane	ug/L	50	48.8	98	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	51.9	104	70-130	
1,2-Dichlorobenzene	ug/L	50	52.1	104	70-130	
1,2-Dichloroethane	ug/L	50	49.6	99	70-130	
1,2-Dichloropropane	ug/L	50	49.2	98	70-130	
1,3-Dichlorobenzene	ug/L	50	51.0	102	70-130	
1,3-Dichloropropane	ug/L	50	50.3	101	70-130	
1,4-Dichlorobenzene	ug/L	50	51.5	103	70-130	

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QUALITY CONTROL DATA

Project: LEGION INDUSTRIES
Pace Project No.: 92206286

LABORATORY CONTROL SAMPLE: 1230087

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,2-Dichloropropane	ug/L	50	51.3	103	58-145	
2-Butanone (MEK)	ug/L	100	92.8	93	70-145	
2-Chlorotoluene	ug/L	50	50.9	102	70-130	
2-Hexanone	ug/L	100	97.9	98	70-144	
4-Chlorotoluene	ug/L	50	50.3	101	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	99.0	99	70-140	
Acetone	ug/L	100	91.1	91	50-175	
Benzene	ug/L	50	51.2	102	70-130	
Bromobenzene	ug/L	50	51.0	102	70-130	
Bromochloromethane	ug/L	50	53.9	108	70-130	
Bromodichloromethane	ug/L	50	54.7	109	70-130	
Bromoform	ug/L	50	55.6	111	70-130	
Bromomethane	ug/L	50	69.3	139	54-130	L3
Carbon tetrachloride	ug/L	50	53.7	107	70-132	
Chlorobenzene	ug/L	50	51.6	103	70-130	
Chloroethane	ug/L	50	54.1	108	64-134	
Chloroform	ug/L	50	53.1	106	70-130	
Chloromethane	ug/L	50	70.8	142	64-130	L3
cis-1,2-Dichloroethene	ug/L	50	52.9	106	70-131	
cis-1,3-Dichloropropene	ug/L	50	51.2	102	70-130	
Dibromochloromethane	ug/L	50	57.1	114	70-130	
Dibromomethane	ug/L	50	51.2	102	70-131	
Dichlorodifluoromethane	ug/L	50	97.5	195	56-130	L3
Diisopropyl ether	ug/L	50	50.4	101	70-130	
Ethylbenzene	ug/L	50	50.4	101	70-130	
Hexachloro-1,3-butadiene	ug/L	50	58.0	116	70-130	
m&p-Xylene	ug/L	100	102	102	70-130	
Methyl-tert-butyl ether	ug/L	50	49.4	99	70-130	
Methylene Chloride	ug/L	50	49.7	99	63-130	
Naphthalene	ug/L	50	49.8	100	70-138	
o-Xylene	ug/L	50	51.1	102	70-130	
p-Isopropyltoluene	ug/L	50	52.1	104	70-130	
Styrene	ug/L	50	53.5	107	70-130	
Tetrachloroethene	ug/L	50	50.3	101	70-130	
Toluene	ug/L	50	49.1	98	70-130	
trans-1,2-Dichloroethene	ug/L	50	52.1	104	70-130	
trans-1,3-Dichloropropene	ug/L	50	50.9	102	70-132	
Trichloroethene	ug/L	50	48.8	98	70-130	
Trichlorofluoromethane	ug/L	50	62.1	124	62-133	
Vinyl acetate	ug/L	100	118	118	66-157	
Vinyl chloride	ug/L	50	64.5	129	50-150	
Xylene (Total)	ug/L	150	153	102	70-130	
1,2-Dichloroethane-d4 (S)	%			106	70-130	
4-Bromofluorobenzene (S)	%			102	70-130	
Toluene-d8 (S)	%			100	70-130	

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Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: LEGION INDUSTRIES
Pace Project No.: 92206286

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1231385 1231386

Parameter	Units	92206616007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,1-Dichloroethene	ug/L	ND	50	50	57.8	57.3	116	115	70-166	1	
Benzene	ug/L	ND	50	50	58.4	56.4	117	113	70-148	3	
Chlorobenzene	ug/L	ND	50	50	55.8	54.1	112	108	70-146	3	
Toluene	ug/L	ND	50	50	52.7	51.2	105	102	70-155	3	
Trichloroethene	ug/L	ND	50	50	60.9	61.2	122	122	69-151	0	
1,2-Dichloroethane-d4 (S)	%						84	85	70-130		
4-Bromofluorobenzene (S)	%						96	97	70-130		
Toluene-d8 (S)	%						98	98	70-130		

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QUALITY CONTROL DATA

Project: LEGION INDUSTRIES
Pace Project No.: 92206286

QC Batch: OEXT/28428 Analysis Method: EPA 8081
QC Batch Method: EPA 3510 Analysis Description: 8081A GCS Pesticides
Associated Lab Samples: 92206286001, 92206286002, 92206286003, 92206286004, 92206286005, 92206286006, 92206286007, 92206286008, 92206286009

METHOD BLANK: 1226832 Matrix: Water
Associated Lab Samples: 92206286001, 92206286002, 92206286003, 92206286004, 92206286005, 92206286006, 92206286007, 92206286008, 92206286009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
4,4'-DDD	ug/L	ND	0.050	06/26/14 23:44	
4,4'-DDE	ug/L	ND	0.050	06/26/14 23:44	
4,4'-DDT	ug/L	ND	0.050	06/26/14 23:44	
Aldrin	ug/L	ND	0.050	06/26/14 23:44	
alpha-BHC	ug/L	ND	0.050	06/26/14 23:44	
beta-BHC	ug/L	ND	0.050	06/26/14 23:44	
Chlordane (Technical)	ug/L	ND	0.20	06/26/14 23:44	
delta-BHC	ug/L	ND	0.050	06/26/14 23:44	
Dieldrin	ug/L	ND	0.050	06/26/14 23:44	
Endosulfan I	ug/L	ND	0.050	06/26/14 23:44	
Endosulfan II	ug/L	ND	0.050	06/26/14 23:44	
Endosulfan sulfate	ug/L	ND	0.050	06/26/14 23:44	
Endrin	ug/L	ND	0.050	06/26/14 23:44	
Endrin aldehyde	ug/L	ND	0.050	06/26/14 23:44	
Endrin ketone	ug/L	ND	0.050	06/26/14 23:44	
gamma-BHC (Lindane)	ug/L	ND	0.050	06/26/14 23:44	
Heptachlor	ug/L	ND	0.050	06/26/14 23:44	
Heptachlor epoxide	ug/L	ND	0.050	06/26/14 23:44	
Hexachlorobenzene	ug/L	ND	0.050	06/26/14 23:44	
Methoxychlor	ug/L	ND	0.15	06/26/14 23:44	
Mirex	ug/L	ND	0.15	06/26/14 23:44	
Toxaphene	ug/L	ND	0.20	06/26/14 23:44	
Decachlorobiphenyl (S)	%	85	20-130	06/26/14 23:44	
Tetrachloro-m-xylene (S)	%	54	20-130	06/26/14 23:44	

LABORATORY CONTROL SAMPLE: 1226833

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4,4'-DDD	ug/L	.25	0.17	69	20-150	
4,4'-DDE	ug/L	.25	0.18	74	20-150	
4,4'-DDT	ug/L	.25	0.19	78	20-150	
Aldrin	ug/L	.25	0.11	45	20-150	
alpha-BHC	ug/L	.25	0.19	75	20-150	
beta-BHC	ug/L	.25	0.18	74	20-150	
delta-BHC	ug/L	.25	0.20	82	20-150	
Dieldrin	ug/L	.25	0.16	67	20-150	
Endosulfan I	ug/L	.25	0.16	66	20-150	
Endosulfan II	ug/L	.25	0.19	75	20-150	

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QUALITY CONTROL DATA

Project: LEGION INDUSTRIES
Pace Project No.: 92206286

LABORATORY CONTROL SAMPLE: 1226833

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Endosulfan sulfate	ug/L	.25	0.20	80	20-150	
Endrin	ug/L	.25	0.19	78	20-150	
Endrin aldehyde	ug/L	.25	0.18	74	20-150	
Endrin ketone	ug/L	.25	0.20	81	20-150	
gamma-BHC (Lindane)	ug/L	.25	0.18	75	20-150	
Heptachlor	ug/L	.25	0.14	55	20-150	
Heptachlor epoxide	ug/L	.25	0.16	64	20-150	
Hexachlorobenzene	ug/L	.25	0.14	56	20-150	
Methoxychlor	ug/L	.74	0.57	77	20-150	
Mirex	ug/L	.74	0.56	76	20-150	
Decachlorobiphenyl (S)	%			88	20-130	
Tetrachloro-m-xylene (S)	%			73	20-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1226834 1226835

Parameter	Units	92205757012 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
4,4'-DDD	ug/L	ND	.5	.5	0.43	0.36	87	74	20-150	17	
4,4'-DDE	ug/L	ND	.5	.5	0.45	0.39	90	79	20-150	13	
4,4'-DDT	ug/L	ND	.5	.5	0.49	0.42	99	84	20-150	16	
Aldrin	ug/L	ND	.5	.5	0.39	0.32	79	65	20-150	18	
alpha-BHC	ug/L	ND	.5	.5	0.43	0.36	87	73	20-150	18	
beta-BHC	ug/L	ND	.5	.5	0.42	0.37	85	74	20-150	14	
delta-BHC	ug/L	ND	.5	.5	0.48	0.41	97	82	20-150	16	
Dieldrin	ug/L	ND	.5	.5	0.43	0.35	86	72	20-150	18	
Endosulfan I	ug/L	ND	.5	.5	0.41	0.35	82	70	20-150	16	
Endosulfan II	ug/L	ND	.5	.5	0.46	0.38	92	78	20-150	17	
Endosulfan sulfate	ug/L	ND	.5	.5	0.47	0.41	96	82	20-150	15	
Endrin	ug/L	ND	.5	.5	0.48	0.39	97	80	20-150	20	
Endrin aldehyde	ug/L	ND	.5	.5	0.42	0.40	84	81	20-150	4	
Endrin ketone	ug/L	ND	.5	.5	0.47	0.42	95	84	20-150	12	
gamma-BHC (Lindane)	ug/L	ND	.5	.5	0.43	0.36	87	73	20-150	17	
Heptachlor	ug/L	ND	.5	.5	0.43	0.35	87	71	20-150	20	
Heptachlor epoxide	ug/L	ND	.5	.5	0.47	0.39	94	78	20-150	19	
Hexachlorobenzene	ug/L	ND	.5	.5	0.38	0.31	77	63	20-150	20	
Methoxychlor	ug/L	ND	1.5	1.5	1.4	1.2	93	83	20-150	11	
Mirex	ug/L	ND	1.5	1.5	1.3	1.2	89	79	20-150	13	
Decachlorobiphenyl (S)	%						85	83	20-130		
Tetrachloro-m-xylene (S)	%						88	71	20-130		

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QUALIFIERS

Project: LEGION INDUSTRIES
Pace Project No.: 92206286

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Acid preservation may not be appropriate for 2-Chloroethylvinyl ether, Styrene, and Vinyl chloride.

LOD - Limit of Detection.

LOQ - Limit of Quantitation.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-C	Pace Analytical Services - Charlotte

ANALYTE QUALIFIERS

L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: LEGION INDUSTRIES
Pace Project No.: 92206286

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92206286001	**MW6**	EPA 3510	OEXT/28428	EPA 8081	GCSV/18045
92206286002	**MW11**	EPA 3510	OEXT/28428	EPA 8081	GCSV/18045
92206286003	**MW10**	EPA 3510	OEXT/28428	EPA 8081	GCSV/18045
92206286004	**MW16**	EPA 3510	OEXT/28428	EPA 8081	GCSV/18045
92206286005	**MW17**	EPA 3510	OEXT/28428	EPA 8081	GCSV/18045
92206286006	**MW15**	EPA 3510	OEXT/28428	EPA 8081	GCSV/18045
92206286007	**MW14**	EPA 3510	OEXT/28428	EPA 8081	GCSV/18045
92206286008	**MW18**	EPA 3510	OEXT/28428	EPA 8081	GCSV/18045
92206286009	**MW14**	EPA 3510	OEXT/28428	EPA 8081	GCSV/18045
92206286001	**MW6**	EPA 8260	MSV/27336		
92206286002	**MW11**	EPA 8260	MSV/27336		
92206286003	**MW10**	EPA 8260	MSV/27336		
92206286004	**MW16**	EPA 8260	MSV/27336		
92206286005	**MW17**	EPA 8260	MSV/27357		
92206286006	**MW15**	EPA 8260	MSV/27357		
92206286007	**MW14**	EPA 8260	MSV/27336		
92206286008	**MW18**	EPA 8260	MSV/27336		
92206286009	**MW14**	EPA 8260	MSV/27336		
92206286010	**TRIP BLANK**	EPA 8260	MSV/27333		

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Pace Analytical® www.pacelabs.com	Document Name: **Sample Condition Upon Receipt (SCUR)**	Document Revised: June 10, 2014 Page 1 of 2
	Document No.: F-ASV-CS-003-rev.14	Issuing Authorities: Pace Asheville Quality Office

Client Name: Amec

Courier (Circle): Fed Ex UPS USPS Client Commercial Pace Other_____

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☑ None ☐ Other_____

Thermometer Used: IR Gun#3 -130265963 **Type of Ice:** Wet Blue None ☑ Samples on ice, cooling process has begun

IR Gun #4 SN:140290365 Other:_____

Temp Correction Factor: Add / Subtract 0.0 C

Corrected Cooler Temp.: 5.6 C **Biological Tissue is Frozen:** Yes No N/A

Temp should be above freezing to 6°C

Date and Initials of person examining contents: RDB 6/20/14

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☑N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time Requested:	☑Yes ☐No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8. 1 liter per sample
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☑No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: WT		
All containers needing preservation have been checked.	☐Yes ☐No ☑N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☐No ☑N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes ☑No	
Samples checked for dechlorination:	☑Yes ☐No ☐N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☐No ☑N/A	15.
Trip Blank Present:	☐Yes ☐No ☑N/A	16.
Trip Blank Custody Seals Present	☐Yes ☐No ☑N/A	
Pace Trip Blank Lot # (if purchased):_____		

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

SCURF Review: JG **Date:** 6/20/14

SRF Review: JG **Date:** 6/23/14

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

Place label here

92206286

OR

Handwrite project number (if no label available)

Pace Analytical®
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:
Company: AMOC 541
Address: 2677 BUFORD HIGHWAY ATLANTA, GA 30329
Email To: STEVE.FOLEY@AMOC.com
Phone: 404-817-0152 Fax:
Requested Due Date/TAT: 1 week

Section B Required Project Information:
Report To: STEVE FOLEY
Copy To:
Purchase Order No.:
Project Name: LEGION INDUSTRIES
Project Number: 6121-09-0444

Section C Invoice Information:
Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

Page: of
1785884

REGULATORY AGENCY
NPDES GROUND WATER DRINKING WATER
UST RCRA X OTHER
Site Location STATE: GA

Section D Required Client Information

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N): Analysis Test: VOCs 8260B; Resinous 8081A

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	VOCs 8260B	Resinous 8081A	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW6	WT	G			6/18/14	1200		4	2			3					X	X		001
2	MW11	WT	G			6/18/14	1805		5	2			3					X	X		002
3	MW10	WT	G			6/18/14	1600		4	1			3					X	X		003
4	MW16	WT	G			6/18/14	1325		5	2			3					X	X		004
5	MW17	WT	G			6/18/14	525		5	2			3					X	X		005
6	MW15	WT	G			6/18/14	1440		5	2			3					X	X		006
7	MW14	WT	G			6/19/14	1106		5	2			3					X	X		007
8	MW18	WT	G			6/19/14	1235		5	2			3					X	X		008
9	MW19	WT	G			6/19/14	1345		5	2			3					X	X		009
10	TRIP BLANK												2					X	X		010
11																					
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	[signature] 6/20/14	6/20/14	0700	[signature]	6/20/14	8:50				
	[signature]	6.20.14	16:10	[signature]	6/20/14	1610	5.6	Y	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER:
SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY):

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
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(704)875-9092

June 26, 2014

Steve Foley
AMEC Environment & Infrastruct
396 Plasters Avenue
Atlanta, GA 30324

RE: Project: Legion Industries 6121-09-0444
Pace Project No.: 92206290

Dear Steve Foley:
Enclosed are the analytical results for sample(s) received by the laboratory on June 20, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kevin Godwin
kevin.godwin@pacelabs.com
Project Manager

Enclosures

cc: Chuck Ferry, AMEC Environment & Infrastruct

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CERTIFICATIONS

Project: Legion Industries 6121-09-0444
Pace Project No.: 92206290

Green Bay Certification IDs
1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 11888
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
US Dept of Agriculture #: S-76505
Wisconsin Certification #: 405132750

Charlotte Certification IDs
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460221

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SAMPLE ANALYTE COUNT

Project: Legion Industries 6121-09-0444
Pace Project No.: 92206290

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92206290001	**MW-18-7-8'**	ASTM D2974-87	AES	1	PASI-C
		EPA 9060 Modified	TJJ	4	PASI-G

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SUMMARY OF DETECTION

Project: Legion Industries 6121-09-0444
Pace Project No.: 92206290

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92206290001	**MW-18-7-8'**					
ASTM D2974-87	Percent Moisture	15.0	%	0.10	06/24/14 14:48	
EPA 9060 Modified	RPD%	1.6	%	0.10	06/25/14 10:29	

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PROJECT NARRATIVE

Project: Legion Industries 6121-09-0444
Pace Project No.: 92206290

Method: **EPA 9060 Modified**
Description: Total Organic Carbon
Client: AMEC Environment & Infrastructure
Date: June 26, 2014

General Information:
1 sample was analyzed for EPA 9060 Modified. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: Legion Industries 6121-09-0444
Pace Project No.: 92206290

Sample: MW-18-7-8' **Lab ID: 92206290001** Collected: 06/18/14 09:15 Received: 06/20/14 16:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**15.0**	%	0.10	1		06/24/14 14:48		
Total Organic Carbon	Analytical Method: EPA 9060 Modified							
Surrogates								
RPD%	**1.6**	%	0.10	1		06/25/14 10:29		
Total Organic Carbon	ND	mg/kg	706	1		06/25/14 10:29	7440-44-0	
Total Organic Carbon	ND	mg/kg	706	1		06/25/14 10:35	7440-44-0	
Mean Total Organic Carbon	ND	mg/kg	706	1		06/25/14 10:29	7440-44-0	

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Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Legion Industries 6121-09-0444
Pace Project No.: 92206290

QC Batch: PMST/6734
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 92206290001

SAMPLE DUPLICATE: 1227601

Parameter	Units	92206229001 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	18.9	18.6	1	

SAMPLE DUPLICATE: 1227602

Parameter	Units	92206348001 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	16.1	14.3	12	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Legion Industries 6121-09-0444
Pace Project No.: 92206290

QC Batch: WETA/23815
QC Batch Method: EPA 9060 Modified
Analysis Method: EPA 9060 Modified
Analysis Description: 9060 TOC Average
Associated Lab Samples: 92206290001

METHOD BLANK: 994674
Matrix: Solid
Associated Lab Samples:

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mean Total Organic Carbon	mg/kg	ND	600	06/25/14 10:06	

LABORATORY CONTROL SAMPLE: 994675

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mean Total Organic Carbon	mg/kg	120000	107000	89	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 994676 994677

Parameter	Units	92205929013 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Mean Total Organic Carbon	mg/kg	1540	7110	7110	8290	7500	95	84	50-150	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: Legion Industries 6121-09-0444
Pace Project No.: 92206290

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Acid preservation may not be appropriate for 2-Chloroethylvinyl ether, Styrene, and Vinyl chloride.

LOD - Limit of Detection.

LOQ - Limit of Quantitation.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-C	Pace Analytical Services - Charlotte
PASI-G	Pace Analytical Services - Green Bay

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Legion Industries 6121-09-0444
Pace Project No.: 92206290

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92206290001	**MW-18-7-8'**	ASTM D2974-87	PMST/6734		
92206290001	**MW-18-7-8'**	EPA 9060 Modified	WETA/23815		
92206290001	**MW-18-7-8'**	EPA 9060 Modified	WETA/23816		

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Pace Analytical www.pacelabs.com	Document Name: **Sample Condition Upon Receipt (SCUR)**	Document Revised: June 10, 2014 Page 1 of 2
	Document No.: F-ASV-CS-003-rev.14	Issuing Authorities: Pace Asheville Quality Office

Client Name: Amec E&I

Courier (Circle): Fed Ex UPS USPS Client Commercial Pace Other_____

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☑ None ☐ Other_____

Thermometer Used: IR Gun#3 -130265963 **Type of Ice:** Wet Blue None ☑ Samples on ice, cooling process has begun

IR Gun #4 SN:140290365 Other:_____

Temp Correction Factor: Add / Subtract 0.0 C

Corrected Cooler Temp.: 5.6 C **Biological Tissue is Frozen:** Yes No N/A

Temp should be above freezing to 6°C

Date and Initials of person examining contents: RDB 6/20/14

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☐No ☑N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: ~~WW~~ SL		
All containers needing preservation have been checked.	☑Yes ☐No ☐N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☑Yes ☐No ☐N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes ☑No	
Samples checked for dechlorination:	☐Yes ☐No ☑N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☐No ☑N/A	15.
Trip Blank Present:	☐Yes ☐No ☑N/A	16.
Trip Blank Custody Seals Present	☐Yes ☐No ☑N/A	
Pace Trip Blank Lot # (if purchased):_____		

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

SCURF Review: JD **Date:** 6/20/14

SRF Review: JD **Date:** 6/23/14

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

Place label here

92206290

OR

Handwrite project number (if no label available)

_____

Pace Analytical®
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 1

1785883

Section A Required Client Information:

Company: AMEC E&I
Address: 2677 DuFORD HWY
ATLANTA, GA 30324
Email To: STEVE.FOLEY@AMEC.com
Phone: 404-817-0152 Fax:
Requested Due Date/TAT: 1 WK

Section B Required Project Information:

Report To: STEVE FOLEY
Copy To:
Purchase Order No.:
Project Name: LEGION INDUSTRIES
Project Number: 6121-09-0444

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY: ☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☒ OTHER

Site Location STATE: GA

Section D Required Client Information

Matrix Codes (MATRIX / CODE): Drinking Water DW, Water WT, Waste Water WW, Product P, Soil/Solid SL, Oil OL, Wipe WP, Air AR, Tissue TS, Other OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N): TOTAL ORGANIC CARBON	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-18-7-8'	SL	G			6/18/14	0915		1	X								X		92206290 001
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
	[signature]	6/18/14	1700	[signature]	6/18/14	1700
	[signature] 6/20/14	6/20/14	0700	[signature]	6.20.14	8:50
	[signature]	6.20.14	16:10	[signature]	6/20/14	16:10

SAMPLE CONDITIONS

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
5.6	Y	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: STEPHEN R FOLEY

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 6/18/14

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

APPENDIX B

FIELD DATA SHEETS

Legion Industries
Waynesboro, Georgia

6121-09-0444

WELL PURGING - FIELD WATER QUALITY MEASUREMENTS FORM

page 1 of 1

Location: Waynesboro, GA

Identify Measuring Point (MP): TOC
(e.g. Top of Casing)

Well ID: MW-1
Field Sampling Personnel: J. Rogers

Depth to Screen below MP: 6 of screen (Top) 11 of screen (Bottom)

Pump Intake at (ft. below MP): 7
Purging Device (Pump Type):
(e.g. Dedicated pump, peristaltic pump, bailer, bladder pump, etc.)

Well Depth, (Ft.) 11.20
Depth To Water (Ft.) 5.07
Water Column (Ft.) 6.13
Well Volume (gal) 1.0

Date	Time 24 hr	Depth to Water Below MP ft	Purge Rate mL/min	pH pH units	Spec Cond. mS/cm	Turbidity NTUs	DO Flow cell mg/L	Temp. °C	Redox Potential mV	Cum. Volume Purged gallons	CHEMetrics DO mg/L (low)	Hach Ferrous Iron mg/L	Comments
~~1530~~	1530	5.07	400	3.81	0.148	559	5.55	32.72	120	0			
6/16/14	1535	5.35		3.51	0.143	152	2.52	28.07	136	0.5			
	1540	5.37		3.50	0.131	22.4	1.86	27.74	139	1			
	1545	5.37		3.44	0.131	3.5	1.67	27.57	159	1.5			
	1550	5.37		3.29	0.139	3.8	1.47	26.33	174	2			
	1555	5.36		3.24	0.138	2.9	1.40	26.20	181	2.5			
	1600	5.36		3.22	0.139	2.8	1.31	26.15	187	3			
	1605	5.36		3.21	0.139	2.8	1.28	26.12	185	3.5			
	1610	5.36		3.21	0.139	2.9	1.25	26.08	188				SAMPLED @ 1615

Notes:
Note when "Stabilization " has occurred. Stabilization Criteria (achieved after a minimum of three successive readings):
±0.1 for pH
±10 mV for redox
±3% for specific cond.
±10% for DO
<20 NTUs for turbidity
NA for temperature

If stabilization does not occur within 2 hours, contact Site Manager for action.
If well goes dry prior to stabilization, stop, allow well to recharge, and collect sample.

Well Casing Volume (Gal):
2" diameter well: Water column (ft.) x 0.163
4" diameter well: Water column x 0.653

040002.03

Legion Industries
Waynesboro, Georgia

6121-09-0444

WELL PURGING - FIELD WATER QUALITY MEASUREMENTS FORM

Location: Waynesboro, GA

Identify Measuring Point (MP): _____TOC_____
(e.g. Top of Casing)

page 1 of 1

Well ID: MW-2
Field Sampling Personnel: S. FOLEY

Depth to Screen below MP: _____ of screen (Top) _____ of screen (Bottom)

Pump Intake at (ft. below MP):
Purging Device (Pump Type):
(e.g. Dedicated pump, peristaltic pump, bailer, bladder pump, etc.)

Well Depth, (Ft.) 24.20
Depth To Water (Ft.) 10.99
Water Column (Ft.) 13.21
Well Volume (gal) 2.15

Date	Time 24 hr	Depth to Water Below MP ft	Purge Rate mL/min	pH pH units	Spec Cond. mS/cm	Turbidity NTUs	DO Flow cell mg/L	Temp. °C	Redox Potential mV	Cum. Volume Purged gallons	CHEMetrics DO mg/L (low)	Hach Ferrous Iron mg/L	Comments
6/16/14	1255	10.99	500	3.79	0.131	8.2	2.92	29.61	163	0			
	1300	11.68		4.01	0.111	4.9	1.88	25.67	180				
	1305	12.91		4.17	0.114	4.0	1.72	26.01	183				
	1310	13.84		4.03	0.116	5.4	1.86	21.99	189				
	1315	14.50		3.97	0.118	3.1	1.73	21.58	195				
	1320	14.86		3.91	0.117	2.7	1.62	21.56	197				
	1325	14.99		3.89	0.117	2.8	1.55	21.58	199				
	1330	15.08		4.07	0.117	2.0	1.46	22.34	198				
	1335	15.12		4.18	0.114	1.9	1.44	22.81	188				
	1340	15.16		4.19	0.116	1.8	1.39	22.82	194				Sampled @ 1350
	1345	15.20		4.17	0.117	1.7	1.37	22.89	197	7			

Notes:
Note when "Stabilization " has occurred. Stabilization Criteria (achieved after a minimum of three successive readings):
±0.1 for pH
±10 mV for redox
±3% for specific cond.
±10% for DO
<20 NTUs for turbidity
NA for temperature

If stabilization does not occur within 2 hours, contact Site Manager for action.
If well goes dry prior to stabilization, stop, allow well to recharge, and collect sample.

Well Casing Volume (Gal):
2" diameter well: Water column (ft.) x 0.163
4" diameter well: Water column x 0.653

040002.03

Legion Industries
Waynesboro, Georgia

6121-09-0444

WELL PURGING - FIELD WATER QUALITY MEASUREMENTS FORM

Location: Waynesboro, GA

Identify Measuring Point (MP): TOC
(e.g. Top of Casing)

page ___ of ___

Well ID: MW 3
Field Sampling Personnel: GHZW

Depth to Screen below MP: _____ of screen (Top) _____ of screen (Bottom)

Pump Intake at (ft. below MP):
Purging Device (Pump Type):
(e.g. Dedicated pump, peristaltic pump, bailer, bladder pump, etc.)

Well Depth, (Ft.) 15.30
Depth To Water (Ft.) 7.63
Water Column (Ft.) 7.67
Well Volume (gal) 1.30

Date	Time 24 hr	Depth to Water Below MP ft	Purge Rate mL/min	pH pH units	Spec Cond. mS/cm	Turbidity NTUs	DO Flow cell mg/L	Temp. °C	Redox Potential mV	Cum. Volume Purged gallons	CHEMetrics DO mg/L (low)	Hach Ferrous Iron mg/L	Comments
6/16/14	1335	7.63	—	5.41	.085	450	2.84	32.15	153				
	1340	8.60	200	4.08	.078	176	1.21	21.81	184				MW3 is 2"
	1345	8.52	200	3.90	.063	53	1.03	20.80	205				
	1350	9.26	200	3.84	.063	8.4	.86	20.93	208				
	1355	9.27	150	3.86	.062	7.4	.78	21.57	209				
	1400	9.27	150	3.84	.062	5.8	.78	21.71	211				
	1405	9.52	150	3.86	.063	1.8	.78	21.55	214				
	1410	9.52	150	3.87	.063	1.8	.69	21.60	216				
	1415	9.52	150	3.84	.064	.9	.62	21.65	214				
	1420	9.53	150	3.97	.064	.8	.62	21.67	213				

Notes:
Note when "Stabilization " has occurred. Stabilization Criteria (achieved after a minimum of three successive readings):

±0.1 for pH
±10 mV for redox
±3% for specific cond.
±10% for DO
<20 NTUs for turbidity
NA for temperature

If stabilization does not occur within 2 hours, contact Site Manager for action.
If well goes dry prior to stabilization, stop, allow well to recharge, and collect sample.

Well Casing Volume (Gal):
2" diameter well: Water column (ft.) x 0.163
4" diameter well: Water column x 0.653

040002.03

Legion Industries
Waynesboro, Georgia

6121-09-0444

WELL PURGING - FIELD WATER QUALITY MEASUREMENTS FORM

Location: Waynesboro, GA

Identify Measuring Point (MP): TOC
(e.g. Top of Casing)

page ___ of ___

Well ID: _____

Field Sampling Personnel: mw 4
GADW

Depth to Screen below MP: _____ of screen Top _____ of screen Bottom

Pump Intake at (ft. below MP): 50'

Purging Device (Pump Type): whale Pump + Bailer 3 well volume, 2 GPM
(e.g. Dedicated pump, peristaltic pump, bailer, bladder pump, etc.)

Well Depth, (Ft.) 69.00
Depth To Water (Ft.) 28.27
Water Column (Ft.) 40.73
Well Volume (gal) 6.8

Date	Time 24 hr	Depth to Water Below MP ft	Purge Rate mL/min	pH pH units	Spec Cond. mS/cm	Turbidity NTUs	DO Flow cell mg/L	Temp. °C	Redox Potential mV	Cum. Volume Purged gallons	CHEMetrics DO mg/L (low)	Hach Ferrous Iron mg/L	Comments
6/17/14	1220	28.27	—		.136	12.3	8.08	22.77	13				
	~~1225~~	~~[illegible]~~	~~[illegible]~~	7.14									
	1225	40.00	600	6.09	.109	5.3	5.62	22.49	72				
	1230	40.82	300	6.25	.114	10.4	4.66	23.53	68				
	1235	41.00	300	6.25	.114	17	4.65	23.10	71				
	1240	41.52	150	6.22	.110	14.6	3.92	23.20	85				
	1245	41.88	100	6.20	.116	19.9	3.92	23.26	86				
	1250	42.01	100	6.19	.112	15.9	4.28	23.53	89				
	1255	42.03	100	6.18	.112	12.8	3.89	23.39	91				
	Hand Bailed From 40'-69' and allowed the well to Run Dry												
	wait for Recharge to sample												
	start to sample at 1430												

Notes:
Note when "Stabilization " has occurred. Stabilization Criteria (achieved after a minimum of three successive readings):

±0.1 for pH
±10 mV for redox
±3% for specific cond.
±10% for DO
<20 NTUs for turbidity
NA for temperature

Well Casing Volume (Gal):
2" diameter well: Water column (ft.) x 0.163
4" diameter well: Water column x 0.653

If stabilization does not occur within 2 hours, contact Site Manager for action.
If well goes dry prior to stabilization, stop, allow well to recharge, and collect sample.

040002.03

Legion Industries
Waynesboro, Georgia

6121-09-0444

WELL PURGING - FIELD WATER QUALITY MEASUREMENTS FORM

Location: Waynesboro, GA

Identify Measuring Point (MP): TOC
(e.g. Top of Casing)

page ___ of ___

Well ID: MW 5
Field Sampling Personnel: GAZZO

Depth to Screen below MP: ___ of screen Top ___ of screen Bottom
Pump Intake at (ft. below MP): 12'
Purging Device (Pump Type): ___
(e.g. Dedicated pump, peristaltic pump, bailer, bladder pump, etc.)

Well Depth, (Ft.) 16.17
Depth To Water (Ft.) 10.23
Water Column (Ft.) ___
Well Volume (gal) ___

Date	Time 24 hr	Depth to Water Below MP ft	Purge Rate mL/min	pH pH units	Spec Cond. mS/cm	Turbidity NTUs	DO Flow cell mg/L	Temp. °C	Redox Potential mV	Cum. ~~Volume~~ Purged gallons	CHEMetrics DO mg/L (low)	Hach Ferrous Iron mg/L	Comments
6/16/14	1505	10.23	—	4.87	.101	105	2.91	27.50	182				1" well
	1510	11.62	200	5.07	.086	82.7	1.42	26.67	172				
	1515	13.30	200	5.12	.091	68.2	1.10	26.50	163				
	1520	13.45	200	5.14	.090	64.0	1.08	26.68	161				
	1525	15.82	200	5.20	.088	31.3	1.03	26.50	155				
	1530	DRY											
	Wait for Recharge												
	Sample Due 0730 6/17/14												

Notes:
Note when "Stabilization " has occurred. Stabilization Criteria (achieved after a minimum of three successive readings):

±0.1 for pH
±10 mV for redox
±3% for specific cond.
±10% for DO
<20 NTUs for turbidity
NA for temperature

Well Casing Volume (Gal):
2" diameter well: Water column (ft.) x 0.163
4" diameter well: Water column x 0.653

If stabilization does not occur within 2 hours, contact Site Manager for action.
If well goes dry prior to stabilization, stop, allow well to recharge, and collect sample.

040002.03

Legion Industries
Waynesboro, Georgia

6121-09-0444

WELL PURGING - FIELD WATER QUALITY MEASUREMENTS FORM

Location: Waynesboro, GA

Identify Measuring Point (MP): TOC
(e.g. Top of Casing)

page ___ of ___

Well ID: MW 6
Field Sampling Personnel: Gazzo

Depth to Screen below MP: _____ of screen (Top) _____ of screen (Bottom)

Pump Intake at (ft. below MP):
Purging Device (Pump Type):
(e.g. Dedicated pump, peristaltic pump, bailer, bladder pump, etc.)

Well Depth, (Ft.) 14.73
Depth To Water (Ft.) 7.25
Water Column (Ft.)
Well Volume (gal)

Date	Time 24 hr	Depth to Water Below MP ft	Purge Rate mL/min	pH pH units	Spec Cond. mS/cm	Turbidity NTUs	DO Flow cell mg/L	Temp. °C	Redox Potential mV	Cum. Volume Purged gallons	CHEMetrics DO mg/L (low)	Hach Ferrous Iron mg/L	Comments
6/18/14	835	7.25	—	6.03	.206	207	8.1X	24.00	133				
	840	9.50	200	5.90	.209	210	3.11	23.18	149				
	845	12.01	150	5.95	.203	208	1.68	22.92	148				
	850	DRY											
	Stand Sample at Recharge												

Notes:
Note when "Stabilization " has occurred. Stabilization Criteria (achieved after a minimum of three successive readings):

±0.1 for pH
±10 mV for redox
±3% for specific cond.
±10% for DO
<20 NTUs for turbidity
NA for temperature

If stabilization does not occur within 2 hours, contact Site Manager for action.
If well goes dry prior to stabilization, stop, allow well to recharge, and collect sample.

Well Casing Volume (Gal):
2" diameter well: Water column (ft.) x 0.163
4" diameter well: Water column x 0.653

040002.03

Legion Industries
Waynesboro, Georgia

6121-09-0444

WELL PURGING - FIELD WATER QUALITY MEASUREMENTS FORM

Location: Waynesboro, GA

Identify Measuring Point (MP): TOC
(e.g. Top of Casing)

page 1 of 1

Well ID: MW-7
Field Sampling Personnel: S. Foley

Depth to Screen below MP: 3.5 of screen Top — 12.5 of screen Bottom

Pump Intake at (ft. below MP): 3 → 12.5
Purging Device (Pump Type):
(e.g. Dedicated pump, peristaltic pump, bailer, bladder pump, etc.)

Well Depth, (Ft.) 12.54
Depth To Water (Ft.) 2.22
Water Column (Ft.) 10.32
Well Volume (gal) 0.42
1" WELL

Date	Time 24 hr	Depth to Water Below MP ft	Purge Rate mL/min	pH pH units	Spec Cond. mS/cm	Turbidity NTUs	DO Flow cell mg/L	Temp. °C	Redox Potential mV	Cum. Volume Purged gallons	CHEMetrics DO mg/L (low)	Hach Ferrous Iron mg/L	Comments
2/17/14	0800	2.22	200	4.48	0.102	557	4.83	26.54	172	0			
	0805	6.78		3.59	0.093	196	2.89	24.44	213	0.2			
	0810	9.21	200	3.71	0.087	114	2.01	24.10	210	0.4			
	0815	10.41		3.69	0.085	61	1.87	25.02	220	0.5			
	0820	11.59		3.58	0.080	29	1.81	24.61	225	0.6			
	0825	12.42		3.55	0.082	24.5	1.68	24.50	228	0.7			WELL 0.24 @ 0828
													SAMPLE @ 0915

Notes:
Note when "Stabilization " has occurred. Stabilization Criteria (achieved after a minimum of three successive readings):

±0.1 for pH
±10 mV for redox
±3% for specific cond.
±10% for DO
<20 NTUs for turbidity
NA for temperature

If stabilization does not occur within 2 hours, contact Site Manager for action.
If well goes dry prior to stabilization, stop, allow well to recharge, and collect sample.

Well Casing Volume (Gal):
2" diameter well: Water column (ft.) x 0.163
4" diameter well: Water column x 0.653

040002.03

Legion Industries
Waynesboro, Georgia

6121-09-0444

WELL PURGING - FIELD WATER QUALITY MEASUREMENTS FORM

Location: Waynesboro, GA

Identify Measuring Point (MP): TOC
(e.g. Top of Casing)

page ___ of ___

Well ID: Leisen industry's MW9
Field Sampling Personnel: GHZ

Depth to Screen below MP: _____ of screen (Top) _____ of screen (Bottom)

Pump Intake at (ft. below MP): 13'
Purging Device (Pump Type): _____
(e.g. Dedicated pump, peristaltic pump, bailer, bladder pump, etc.)

Well Depth, (Ft.) 15.86
Depth To Water (Ft.) 7.86
Water Column (Ft.) 8
Well Volume (gal) 1.32

Date	Time 24 hr	Depth to Water Below MP ft	Purge Rate mL/min	pH pH units	Spec Cond. mS/cm	Turbidity NTUs	DO Flow cell mg/L	Temp. °C	Redox Potential mV	Cum. Volume Purged gallons	CHEMetrics DO mg/L (low)	Hach Ferrous Iron mg/L	Comments
6/16/14	1200	7.86	150	4.69	.117	58	1.41	22.57	183				
	1205	13.30	150	4.11	.069	9.6	1.31	22.66	181				
	1210	15.80	150	Dry									
	As the well did not recharge I moved the tubing deeper.												
	1230	well recharged enough to start sampling											
	MW9 is 1st well												

Notes:
Note when "Stabilization " has occurred. Stabilization Criteria (achieved after a minimum of three successive readings):

±0.1 for pH
±10 mV for redox
±3% for specific cond.
±10% for DO
<20 NTUs for turbidity
NA for temperature

Well Casing Volume (Gal):
2" diameter well: Water column (ft.) x 0.163
4" diameter well: Water column x 0.653

If stabilization does not occur within 2 hours, contact Site Manager for action.
If well goes dry prior to stabilization, stop, allow well to recharge, and collect sample.

040002.03

Legion Industries
Waynesboro, Georgia

6121-09-0444

WELL PURGING - FIELD WATER QUALITY MEASUREMENTS FORM

Location: Waynesboro, GA

Identify Measuring Point (MP): TOC
(e.g. Top of Casing)

page ___ of ___

Well ID: MW10
Field Sampling Personnel: GAZN

Depth to Screen below MP: _____ of screen Top _____ of screen Bottom
Pump Intake at (ft. below MP): 21'
Purging Device (Pump Type): _____
(e.g. Dedicated pump, peristaltic pump, bailer, bladder pump, etc.)

Well Depth, (Ft.) 24.05
Depth To Water (Ft.) 8.66
Water Column (Ft.) _____
Well Volume (gal) _____

Date	Time 24 hr	Depth to Water Below MP ft	Purge Rate mL/min	pH pH units	Spec Cond. mS/cm	Turbidity NTUs	DO Flow cell mg/L	Temp. °C	Redox Potential mV	Cum. Volume Purged gallons	CHEMetrics DO mg/L (low)	Hach Ferrous Iron mg/L	Comments
6/18/14	1035	8.66	—	4.52	.0843	570	3.64	23.28	145				
	1040	12.91	200	4.44	.045	87	1.51	21.05	141				
	1045	17.86	200	4.68	.037	49	2.15	20.80	136				MW10 15 2"
	1050	20.65	200	4.66	.037	12	2.20	20.78	154				
	1055	22.71	200	4.67	.036	15	2.26	20.79	154				
	1100	DRY											
			Sample	1600	After	Recharge							

Notes:
Note when "Stabilization " has occurred. Stabilization Criteria (achieved after a minimum of three successive readings):

±0.1 for pH
±10 mV for redox
±3% for specific cond.
±10% for DO
<20 NTUs for turbidity
NA for temperature

If stabilization does not occur within 2 hours, contact Site Manager for action.
If well goes dry prior to stabilization, stop, allow well to recharge, and collect sample.

Well Casing Volume (Gal):
2" diameter well: Water column (ft.) x 0.163
4" diameter well: Water column x 0.653

040002.03

Legion Industries
Waynesboro, Georgia

6121-09-0444

WELL PURGING - FIELD WATER QUALITY MEASUREMENTS FORM

Location: Waynesboro, GA

Identify Measuring Point (MP): TOC
(e.g. Top of Casing)

page ___ of ___

Well ID: MW11
Field Sampling Personnel: GAZZO

Depth to Screen below MP: _____ of screen (Top) _____ of screen (Bottom)

Pump Intake at (ft. below MP): 12.5

Purging Device (Pump Type): _____
(e.g. Dedicated pump, peristaltic pump, bailer, bladder pump, etc.)

Well Depth, (Ft.) 15.35
Depth To Water (Ft.) 7.22
Water Column (Ft.) _____
Well Volume (gal) _____

Date	Time 24 hr	Depth to Water Below MP ft	Purge Rate mL/min	pH pH units	Spec Cond. mS/cm	Turbidity NTUs	DO Flow cell mg/L	Temp. °C	Redox Potential mV	Cum. Volume Purged gallons	CHEMetrics DO mg/L (low)	Hach Ferrous Iron mg/L	Comments
6/15/14	0940	7.22	—	5.18	.131	79	1.91	20.10	51				
	0945	7.31	200	4.95	.131	40	.84	19.91	53				
	0950	7.32	200	4.90	.129	15	.66	19.86	55				
	0955	7.33	200	4.90	.128	9	.63	19.84	56				
	1000	7.34	200	4.89	.128	9	.62	19.86	57				
	1005	7.33	200	4.88	.127	6	.62	19.86	58				
	1005	Stable Time											

Notes:
Note when "Stabilization " has occurred. Stabilization Criteria (achieved after a minimum of three successive readings):

±0.1 for pH
±10 mV for redox
±3% for specific cond.
±10% for DO
<20 NTUs for turbidity
NA for temperature

If stabilization does not occur within 2 hours, contact Site Manager for action.
If well goes dry prior to stabilization, stop, allow well to recharge, and collect sample.

Well Casing Volume (Gal):
2" diameter well: Water column (ft.) x 0.163
4" diameter well: Water column x 0.653

040002.03

Legion Industries
Waynesboro, Georgia

6121-09-0444

WELL PURGING - FIELD WATER QUALITY MEASUREMENTS FORM

Location: Waynesboro, GA

Identify Measuring Point (MP): TOC
(e.g. Top of Casing)

page ___ of ___

Well ID: MW12

Field Sampling Personnel: _____

Depth to Screen below MP: _____ of screen (Top) _____ of screen (Bottom)

Pump Intake at (ft. below MP): _____

Purging Device (Pump Type): Whale Pump
(e.g. Dedicated pump, peristaltic pump, bailer, bladder pump, etc.)

Well Depth, (Ft.) 67.60
Depth To Water (Ft.) 31.13
Water Column (Ft.) ~~[illegible]~~ 36.47
Well Volume (gal) ~~6.15~~
19 64L 3well volumes

Date	Time 24 hr	Depth to Water Below MP ft	Purge Rate mL/min	pH pH units	Spec Cond. mS/cm	Turbidity NTUs	DO Flow cell mg/L	Temp. °C	Redox Potential mV	Cum. Volume Purged gallons	CHEMetrics DO mg/L (low)	Hach Ferrous Iron mg/L	Comments
6/17/14	1500	31.13	—	6.45	.081	6.8	9.55	25.84	101				
	1505	35.40	600	6.55	.064	2.8	11.93	21.41	112				
	1510	38.70	600	5.61	.064	5.5	8.50	20.53	117				
	1515	39.00	600	5.74	.071	6.4	7.39	20.36	119				
	1520	39.70	600	5.70	.075	1.3	6.01	20.27	117				
	1525	39.75	600	5.72	.077	.3	5.50	20.22	117				
	1530	39.81	600	5.67	.078	0.0	5.50	20.13	116				
	1535	39.80	600	5.65	.078	0.0	5.50	20.13	115				
	1535 Sample Time												
	DOP TAKEN at 1540												

Notes:
Note when "Stabilization " has occurred. Stabilization Criteria (achieved after a minimum of three successive readings):

±0.1 for pH
±10 mV for redox
±3% for specific cond.
±10% for DO
<20 NTUs for turbidity
NA for temperature

Well Casing Volume (Gal):
2" diameter well: Water column (ft.) ~~x 0.163~~
4" diameter well: Water column x 0.653

If stabilization does not occur within 2 hours, contact Site Manager for action.
If well goes dry prior to stabilization, stop, allow well to recharge, and collect sample.

040002.03

Legion Industries
Waynesboro, Georgia

6121-09-0444

WELL PURGING - FIELD WATER QUALITY MEASUREMENTS FORM

Location: Waynesboro, GA

Identify Measuring Point (MP): TOC
(e.g. Top of Casing)

page ___ of ___

Well ID: MW13
Field Sampling Personnel: GAZTO

Depth to Screen below MP: ___ of screen Top ___ of screen Bottom

Pump Intake at (ft. below MP): 13'
Purging Device (Pump Type): ___
(e.g. Dedicated pump, peristaltic pump, bailer, bladder pump, etc.)

Well Depth, (Ft.) 16.11
Depth To Water (Ft.) 5.86
Water Column (Ft.) 10.24
Well Volume (gal) 1.74

Date	Time 24 hr	Depth to Water Below MP ft	Purge Rate mL/min	pH pH units	Spec Cond. mS/cm	Turbidity NTUs	DO Flow cell mg/L	Temp. °C	Redox Potential mV	Cum. Volume Purged gallons	CHEMetrics DO mg/L (low)	Hach Ferrous Iron mg/L	Comments
6/17/14	0850	5.86	—	5.92	2.55	70.2	3.97	22.26	158				well 2"
	~~0800~~	~~[illegible]~~	~~300~~										
	0850	6.02	300	6.29	3.25	11.9	.74	22.21	138				
	0900	6.07	300	6.30	3.25	9.3	.68	22.24	137				
	0910	6.10	300	6.40	3.28	1.4	.50	22.77	127				
	0915	6.11	300	6.44	3.29	.3	.42	22.83	123				
	0915	6.10	300	6.48	3.32	0.0	.42	23.05	119				
	0920	6.11	300	6.49	3.35	0.0	.56	23.25	106				
	Equipt Rem			0920									

Notes:
Note when "Stabilization " has occurred. Stabilization Criteria (achieved after a minimum of three successive readings):

±0.1 for pH
±10 mV for redox
±3% for specific cond.
±10% for DO
<20 NTUs for turbidity
NA for temperature

If stabilization does not occur within 2 hours, contact Site Manager for action.
If well goes dry prior to stabilization, stop, allow well to recharge, and collect sample.

Well Casing Volume (Gal):
2" diameter well: Water column (ft.) x 0.163
4" diameter well: Water column x 0.653

040002.03

Legion Industries
Waynesboro, Georgia

6121-09-0444

WELL PURGING - FIELD WATER QUALITY MEASUREMENTS FORM

Location: Waynesboro, GA

Identify Measuring Point (MP): TOC
(e.g. Top of Casing)

page ___ of ___

Well ID: MW14

Field Sampling Personnel: GB220

Depth to Screen below MP: ___ of screen Top ___ of screen Bottom

Pump Intake at (ft. below MP): 20'

Purging Device (Pump Type): ___
(e.g. Dedicated pump, peristaltic pump, bailer, bladder pump, etc.)

Well Depth, (Ft.) 25.23
Depth To Water (Ft.) 4.12
Water Column (Ft.) ___
Well Volume (gal) ___

Date	Time 24 hr	Depth to Water Below MP ft	Purge Rate mL/min	pH pH units	Spec Cond. mS/cm	Turbidity NTUs	DO Flow cell mg/L	Temp. °C	Redox Potential mV	Cum. Volume Purged gallons	CHEMetrics DO mg/L (low)	Hach Ferrous Iron mg/L	Comments
6/19/14	0815	4.15	—	4.92	.080	11	3.22	19.96	154				OW 6/18/14
	0820	9.51	300	4.51	.087	10	2.51	19.78	189				I Removal
	0825	15.55	200	4.93	.085	10	2.64	19.62	178				10 Gals
	0830	17.02	200	5.06	.069	9	2.53	19.44	164				of muddy
	0835	20.03	200	5.06	.066	9	2.50	19.45	162				water and
	0840	23.41	200	5.07	.064	9	2.57	19.45	162				Purged the well
	0845	DRY	—	—	—	—	—	—	—				Dry
	Wait for Recharge and sample 1106												
			HORIBA	# 17529									
			HORIBA	H 021331									
			Probe										
			water level meter	903526									
			Pump	024463									

Notes:
Note when "Stabilization " has occurred. Stabilization Criteria (achieved after a minimum of three successive readings):

±0.1 for pH
±10 mV for redox
±3% for specific cond.
±10% for DO
<20 NTUs for turbidity
NA for temperature

Well Casing Volume (Gal):
2" diameter well: Water column (ft.) x 0.163
4" diameter well: Water column x 0.653

If stabilization does not occur within 2 hours, contact Site Manager for action.
If well goes dry prior to stabilization, stop, allow well to recharge, and collect sample.

040002.03

Legion Industries
Waynesboro, Georgia

6121-09-0444

WELL PURGING - FIELD WATER QUALITY MEASUREMENTS FORM

Location: Waynesboro, GA

Identify Measuring Point (MP): TOC
(e.g. Top of Casing)

page ___ of ___

Well ID: MW-15
Field Sampling Personnel: S. Folan

Depth to Screen below MP: 5 Top of screen 10 Bottom of screen

Pump Intake at (ft. below MP):
Purging Device (Pump Type):
(e.g. Dedicated pump, peristaltic pump, bailer, bladder pump, etc.)

Well Depth, (Ft.) ~~8~~ 10 Ft
Depth To Water (Ft.) 6.48
Water Column (Ft.) 3.52
Well Volume (gal)

Date	Time 24 hr	Depth to Water Below MP ft	Purge Rate mL/min	pH pH units	Spec Cond. mS/cm	Turbidity NTUs	DO Flow cell mg/L	Temp. °C	Redox Potential mV	Cum. Volume Purged gallons	CHEMetrics DO mg/L (low)	Hach Ferrous Iron mg/L	Comments
8/18/04	1330	5.48	200	4.87	0.427	199	8.10	27.19	184	0			
	1340	6.02		4.49	0.339	123	5.98	26.43	200	0.5			
	1350	6.65		4.41	0.307	35.9	5.21	26.66	204	1.0			
	1400	7.32		4.30	0.273	5.7	4.75	27.38	210	1.5			
	1415	7.96		4.09	0.212	4.4	4.41	27.60	225	2.25			
	1425	8.49		3.92	0.174	2.8	4.24	27.51	234	3.00			
	1435	9.18		3.79	0.159	2.4	4.15	27.77	243	3.5			
													SAMPLED @ 1440

Notes:
Note when "Stabilization " has occurred. Stabilization Criteria (achieved after a minimum of three successive readings):

±0.1 for pH
±10 mV for redox
±3% for specific cond.
±10% for DO
<20 NTUs for turbidity
NA for temperature

If stabilization does not occur within 2 hours, contact Site Manager for action.
If well goes dry prior to stabilization, stop, allow well to recharge, and collect sample.

Well Casing Volume (Gal):
2" diameter well: Water column (ft.) x 0.163
4" diameter well: Water column x 0.653

040002.03

Legion Industries
Waynesboro, Georgia

6121-09-0444

WELL PURGING - FIELD WATER QUALITY MEASUREMENTS FORM

Location: Waynesboro, GA

Identify Measuring Point (MP): TOC
(e.g. Top of Casing)

page ___ of ___

Well ID: MW16

Field Sampling Personnel: GAZW

Depth to Screen below MP: ___ of screen Top ___ of screen Bottom

Pump Intake at (ft. below MP): 8.6'

Purging Device (Pump Type): ___
(e.g. Dedicated pump, peristaltic pump, bailer, bladder pump, etc.)

Well Depth, (Ft.) 10.25
Depth To Water (Ft.) 5.03
Water Column (Ft.) 5.22
Well Volume (gal) .88
5 volumes 4.4 Gal

Date	Time 24 hr	Depth to Water Below MP ft	Purge Rate mL/min	pH pH units	Spec Cond. mS/cm	Turbidity NTUs	DO Flow cell mg/L	Temp. °C	Redox Potential mV	Cum. Volume Purged gallons	CHEMetrics DO mg/L (low)	Hach Ferrous Iron mg/L	Comments
6/18/14	1245	5.03	—	5.08	.397	30	4.50	26.92	113				
	1250	5.65	300	5.54	.422	16	2.68	23.88	82				
	1255	5.90	300	5.51	.317	6	3.21	24.29	78				
	1300	6.55	300	5.40	.258	1	4.74	24.40	90				
	1305	7.35	300	5.29	.230	0	4.75	24.26	99				
	1310	7.90	300	5.29	.234	0	4.50	23.95	101				
	1315	8.27	300	5.33	.244	0	4.56	23.60	88				
	1320	8.31	300	5.41	.263	0	4.50	23.38	90				
	1325	8.35	300	5.47	.275	0	4.48	23.33	83				

Notes:
Note when "Stabilization " has occurred. Stabilization Criteria (achieved after a minimum of three successive readings):

±0.1 for pH
±10 mV for redox
±3% for specific cond.
±10% for DO
<20 NTUs for turbidity
NA for temperature

If stabilization does not occur within 2 hours, contact Site Manager for action.
If well goes dry prior to stabilization, stop, allow well to recharge, and collect sample.

Well Casing Volume (Gal):
2" diameter well: Water column (ft.) x 0.163
4" diameter well: Water column x 0.653

040002.03

Legion Industries
Waynesboro, Georgia

6121-09-0444

WELL PURGING - FIELD WATER QUALITY MEASUREMENTS FORM

Location: Waynesboro, GA

Identify Measuring Point (MP): TOC
(e.g. Top of Casing)

page ___ of ___

Well ID: MW 17
Field Sampling Personnel: Gwen

Depth to Screen below MP: _____ of screen Top _____ of screen Bottom

Pump Intake at (ft. below MP): 20
Purging Device (Pump Type): _____
(e.g. Dedicated pump, peristaltic pump, bailer, bladder pump, etc.)

Well Depth, (Ft.) 27.40
Depth To Water (Ft.) 13.73
Water Column (Ft.) _____
Well Volume (gal) _____

Date	Time 24 hr	Depth to Water Below MP ft	Purge Rate mL/min	pH pH units	Spec Cond. mS/cm	Turbidity NTUs	DO Flow cell mg/L	Temp. °C	Redox Potential mV	Cum. Volume Purged gallons	CHEMetrics DO mg/L (low)	Hach Ferrous Iron mg/L	Comments
6/18/14	1450	16.00	300	5.90	.078	105	5.68	29.88	122				Removal
	1455	16.31	400	4.94	.068	68.4	6.23	24.25	144				3 Gal out
	1500	16.35	400	5.04	.064	68	6.07	23.35	144				in dirty water
	1505	16.40	400	5.02	.071	50	6.42	23.49	146				Before sampling
	1510	16.42	400	5.03	.071	26	6.24	23.89	148				
	1515	16.43	400	5.06	.072	12	6.09	23.60	149				
	1520	16.43	400	5.06	.072	8	6.10	23.62	149				
	1525	16.44	400	5.06	.072	6	6.10	23.63	150				
	Sample Time 1525												

Notes:
Note when "Stabilization " has occurred. Stabilization Criteria (achieved after a minimum of three successive readings):

±0.1 for pH
±10 mV for redox
±3% for specific cond.
±10% for DO
<20 NTUs for turbidity
NA for temperature

Well Casing Volume (Gal):
2" diameter well: Water column (ft.) x 0.163
4" diameter well: Water column x 0.653

If stabilization does not occur within 2 hours, contact Site Manager for action.
If well goes dry prior to stabilization, stop, allow well to recharge, and collect sample.

040002.03

Legion Industries
Waynesboro, Georgia

6121-09-0444

WELL PURGING - FIELD WATER QUALITY MEASUREMENTS FORM

Location: Waynesboro, GA

Identify Measuring Point (MP): TOC
(e.g. Top of Casing)

page ___ of ___

Well ID: MW18
Field Sampling Personnel: GMM

Depth to Screen below MP: _____ of screen (Top) _____ of screen (Bottom)

Pump Intake at (ft. below MP):
Purging Device (Pump Type):
(e.g. Dedicated pump, peristaltic pump, bailer, bladder pump, etc.)

Well Depth, (Ft.) 28.43
Depth To Water (Ft.) 21.00
Water Column (Ft.)
Well Volume (gal)

Date	Time 24 hr	Depth to Water Below MP ft	Purge Rate mL/min	pH pH units	Spec Cond. mS/cm	Turbidity NTUs	DO Flow cell mg/L	Temp. °C	Redox Potential mV	Cum. Volume Purged gallons	CHEMetrics DO mg/L (low)	Hach Ferrous Iron mg/L	Comments
6/19/14	1005	21.00	—	5.38	.001	58	7.03	25.92	124				
	1010	22.10	250	5.88	1.96	5	5.61	23.87	39				
	1015	23.12	200	6.46	1.99	3	5.54	22.43	49				
	1020	24.23	200	6.45	1.98	3	5.53	22.57	50				
	1025	25.41	200	6.45	1.97	3	5.57	22.50	52				
	1030	26.62	200	6.45	1.96	3	5.58	22.59	54				
	1035	28.07	200	6.45	1.96	2.8	5.54	22.58	55				
	1040	Dry	—										
		Wait for Rec Horse tool sample											
	Sampling Time		1235										

Notes:
Note when "Stabilization " has occurred. Stabilization Criteria (achieved after a minimum of three successive readings):

±0.1 for pH
±10 mV for redox
±3% for specific cond.
±10% for DO
<20 NTUs for turbidity
NA for temperature

Well Casing Volume (Gal):
2" diameter well: Water column (ft.) x 0.163
4" diameter well: Water column x 0.653

If stabilization does not occur within 2 hours, contact Site Manager for action.
If well goes dry prior to stabilization, stop, allow well to recharge, and collect sample.

040002.03

Legion Industries
Waynesboro, Georgia

6121-09-0444

WELL PURGING - FIELD WATER QUALITY MEASUREMENTS FORM

Location: Waynesboro, GA

Identify Measuring Point (MP): TOC
(e.g. Top of Casing)

page ___ of ___

Well ID: MW19

Field Sampling Personnel: GARW

Depth to Screen below MP: _____ of screen Top _____ of screen Bottom

Pump Intake at (ft. below MP): 7'

Purging Device (Pump Type): _____
(e.g. Dedicated pump, peristaltic pump, bailer, bladder pump, etc.)

Well Depth, (Ft.) 10.25
Depth To Water (Ft.) 5.15
Water Column (Ft.) _____
Well Volume (gal) _____

Date	Time 24 hr	Depth to Water Below MP ft	Purge Rate mL/min	pH pH units	Spec Cond. mS/cm	Turbidity NTUs	DO Flow cell mg/L	Temp. °C	Redox Potential mV	Cum. Volume Purged gallons	~~CHE~~ Metrics DO mg/L (low)	Hach Ferrous Iron mg/L	Comments
6/15/4	1315	5.15	[redacted]	7.36	.269	84	3.75	25.78	46				Removed 4 Gall
	1320	5.16	300	7.28	.250	83	1.68	24.12	56				of muddy
	1325	5.16	300	7.25	.239	32	2.06	23.60	52				water before
	1330	5.16	300	7.31	.228	12	2.16	23.28	43				I started sampling
	1335	5.16	300	7.32	.228	8	1.79	23.22	42				
	1340	5.16	300	7.35	.228	6	1.81	23.18	46				
	1345	5.16	300	7.35	.228	3	1.81	23.17	40				
		Sample Time 1345											

Notes:
Note when "Stabilization " has occurred. Stabilization Criteria (achieved after a minimum of three successive readings):

±0.1 for pH
±10 mV for redox
±3% for specific cond.
±10% for DO
<20 NTUs for turbidity
NA for temperature

Well Casing Volume (Gal):
2" diameter well: Water column (ft.) x 0.163
4" diameter well: Water column x 0.653

If stabilization does not occur within 2 hours, contact Site Manager for action.
If well goes dry prior to stabilization, stop, allow well to recharge, and collect sample.

040002.03

Legion Industries
Waynesboro, Georgia

6121-09-0444

WELL PURGING - FIELD WATER QUALITY MEASUREMENTS FORM

Location: Waynesboro, GA

Identify Measuring Point (MP): TOC
(e.g. Top of Casing)

page ___ of ___

Well ID: _____
Field Sampling Personnel: RZQ, GMZ

Depth to Screen below MP: _____ of screen (Top) _____ of screen (Bottom)

Pump Intake at (ft. below MP): 30'
Purging Device (Pump Type): _____
(e.g. Dedicated pump, peristaltic pump, bailer, bladder pump, etc.)

Well Depth, (Ft.) 32.45
Depth To Water (Ft.) 4.00
Water Column (Ft.) 28.45
Well Volume (gal) 1.13

Date	Time 24 hr	Depth to Water Below MP ft	Purge Rate mL/min	pH pH units	Spec Cond. mS/cm	Turbidity NTUs	DO Flow cell mg/L	Temp. °C	Redox Potential mV	Cum. Volume Purged gallons	CHEMetrics DO mg/L (low)	Hach Ferrous Iron mg/L	Comments
6/12/14	1010	4.00	—	7.21	.003	95	7.00	25.14	87				
	1015	8.55	150	7.33	1.13	87	3.73	23.30	69				water Level
	1020	16.50	150	5.35	.667	63	.94	22.39	87				Reading Take
	1025	21.00	150	5.32	.578	57	.78	22.16	83				at Intake
	1030	24.60	150	5.34	.573	53.	.68	22.53	81				Before well
	1035	DRY											of 1" was Retrieved
	1055	start to sample with a Poor Recharge											

Notes:
Note when "Stabilization " has occurred. Stabilization Criteria (achieved after a minimum of three successive readings):
±0.1 for pH
±10 mV for redox
±3% for specific cond.
±10% for DO
<20 NTUs for turbidity
NA for temperature

If stabilization does not occur within 2 hours, contact Site Manager for action.
If well goes dry prior to stabilization, stop, allow well to recharge, and collect sample.

Well Casing Volume (Gal):
2" diameter well: Water column (ft.) x 0.163
4" diameter well: Water column x 0.653

040002.03

APPENDIX C

BIOCHLOR OUTPUT SHEETS

BIOCHLOR Natural Attenuation Decision Support System

Version 2.2
Excel 2000

Hutchinson Island
TMW-1 - Canal
Run Name

Data Input Instructions:

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

Test if Biotransformation is Occurring → Natural Attenuation Screening Protocol

TYPE OF CONSTITUENT: Ammonia ◉ Ethanes ○

1. ADVECTION

Seepage Velocity*	Vs	24.7	(ft/yr)
or			
Hydraulic Conductivity	K	4.6E-03	(cm/sec)
Hydraulic Gradient	i	0.0013	(ft/ft)
Effective Porosity	n	0.25	(-)

2. DISPERSION

Alpha x*	30	(ft)
(Alpha y) / (Alpha x)*	0.1	(-)
(Alpha z) / (Alpha x)*	1.E-99	(-)

Calc. Alpha x

3. ADSORPTION

Retardation Factor* → R

or

Soil Bulk Density, rho	1.7	(kg/L)		
FractionOrganicCarbon, foc	5.0E-3	(-)		
Partition Coefficient	Koc			
Ammonia	14	(L/kg)	1.48	(-)
		(L/kg)	1.00	(-)
		(L/kg)	1.00	(-)
		(L/kg)	1.00	(-)
		(L/kg)	1.00	(-)

Common R (used in model)* = 1.48

4. BIOTRANSFORMATION

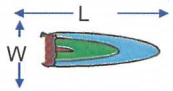
-1st Order Decay Coefficient*

		λ (1/yr)	half-life (yrs)	Yield
Zone 1				
PCE →	TCE	0.693	1.00	0.79
TCE →	DCE	0.000		0.74
DCE →	VC	0.000		0.64
VC →	ETH	0.000		0.45
Zone 2		λ (1/yr)	half-life (yrs)	
PCE →	TCE	0.000		
TCE →	DCE	0.000		
DCE →	VC	0.000		
VC →	ETH	0.000		

λ HELP

5. GENERAL

Simulation Time*	60	(yr)
Modeled Area Width*	150	(ft)
Modeled Area Length*	300	(ft)
Zone 1 Length*	300	(ft)
Zone 2 Length*	0	(ft)



Zone 2= L - Zone 1

6. SOURCE DATA

TYPE: Decaying
Single Planar

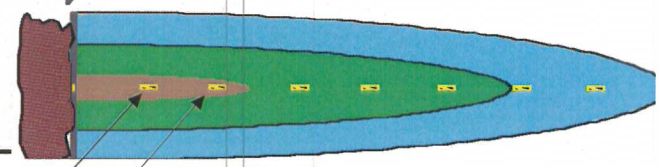
Source Options

Source Thickness in Sat. Zone* 10 (ft)

Width* (ft) Y1 300

Conc. (mg/L)*	C1	k_s* (1/yr)
Ammonia	18000.0	0.05
		0.05
		0.05
		0.05
		0.05

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



View of Plume Looking Down

Observed Centerline Conc. at Monitoring Wells

7. FIELD DATA FOR COMPARISON

Ammonia Conc. (mg/L)	4600.0	27.0	7.8
Distance from Source (ft)	0	130	300
Date Data Collected	2011	2013	

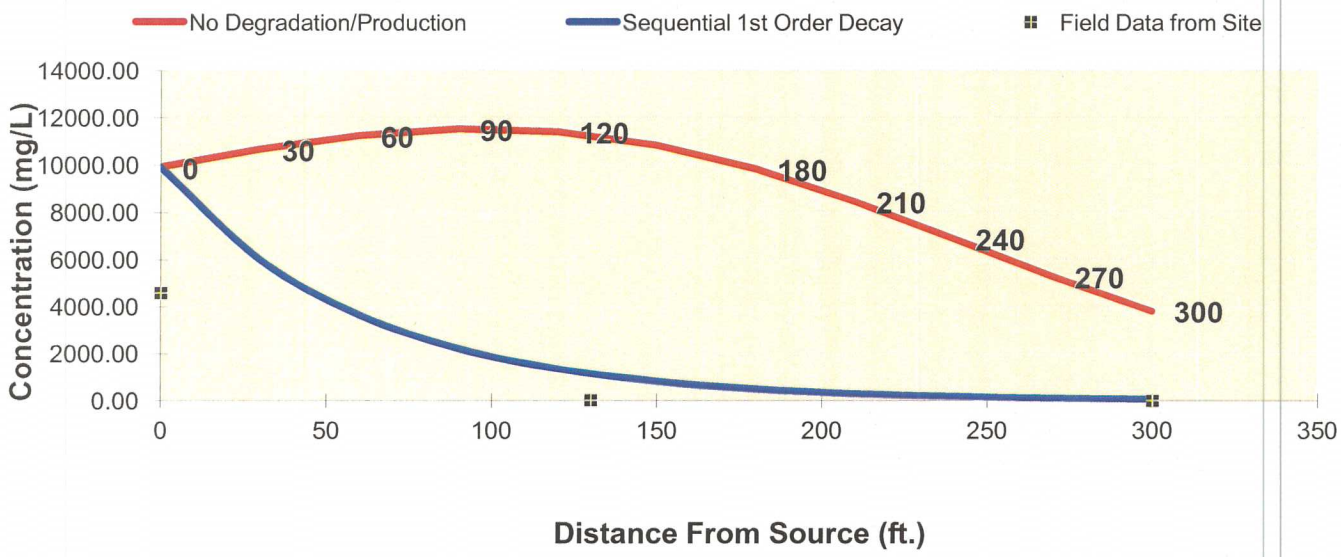
8. CHOOSE TYPE OF OUTPUT TO SEE:

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

AMMONIA CONCENTRATIONS ALONG PLUME CENTERLINE (mg/L) at Z=0

Ammonia	Distance from Source (ft)										
	0	30	60	90	120	150	180	210	240	270	300
No Degradation	9878.610	10638.023	11218.373	11503.636	11391.124	10823.043	9811.663	8446.354	6877.030	5278.605	3809.511
Biotransformation	9878.6078	5990.391	3632.104	2201.430	1333.130	805.794	485.280	290.384	171.973	100.293	57.260

	Monitoring Well Locations (ft)										
	0	130	300								
Field Data from Site	4600.000	27.000	7.800								



See PCE

See TCE

See DCE

Replay

Time:

12.0 Years

Log ⟺ Linear

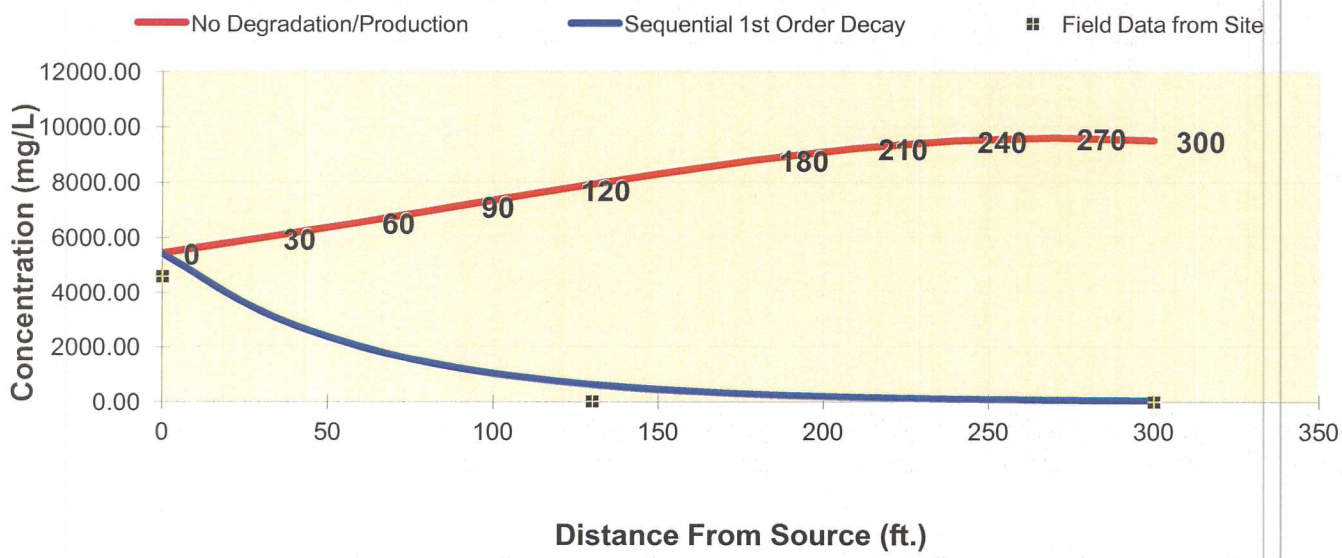
Return to Input

To All

To Array

AMMONIA CONCENTRATIONS ALONG PLUME CENTERLINE (mg/L) at Z=0

Ammonia	Distance from Source (ft)										
	0	30	60	90	120	150	180	210	240	270	300
No Degradation	5421.496	5965.588	6541.643	7137.228	7733.128	8302.851	8813.197	9226.237	9502.803	9607.268	9512.935
Biotransformation	5421.4949	3287.742	1993.775	1209.079	733.217	444.642	269.640	163.511	99.149	60.115	36.441
	Monitoring Well Locations (ft)										
	0	130	300								
Field Data from Site	4600.000	27.000	7.800								



See PCE

See TCE

See DCE

Replay

Time:

24.0 Years

Log ⟺ Linear

Return to Input

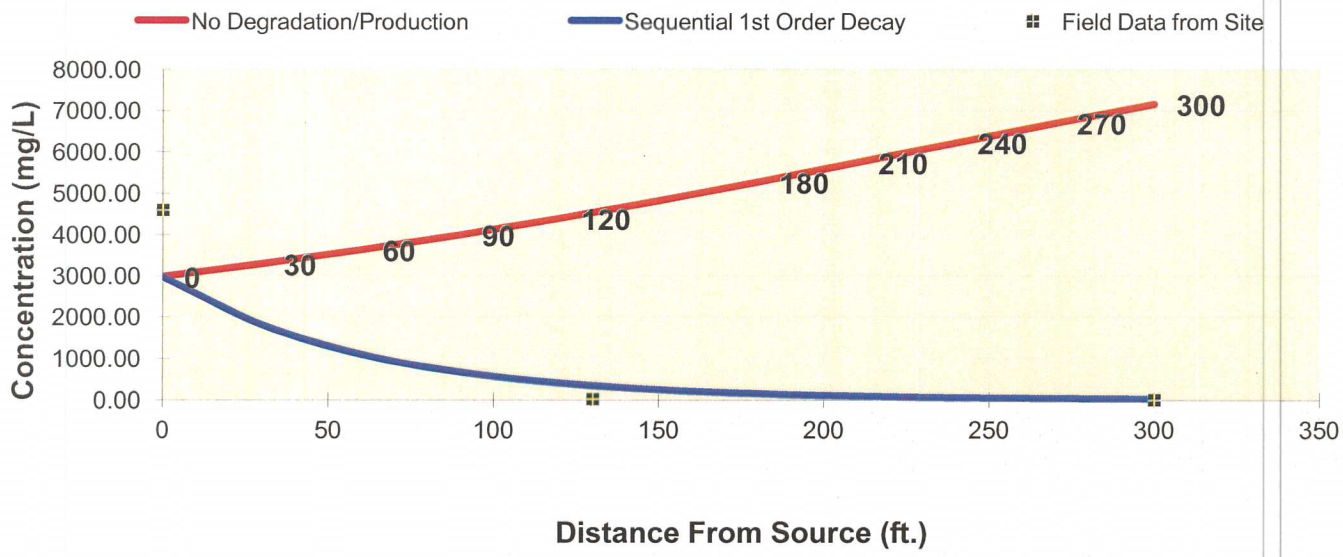
To All

To Array

AMMONIA CONCENTRATIONS ALONG PLUME CENTERLINE (mg/L) at Z=0

Ammonia	Distance from Source (ft)										
	0	30	60	90	120	150	180	210	240	270	300
No Degradation	2975.380	3284.335	3622.662	3991.271	4390.052	4817.425	5269.816	5741.124	6222.254	6700.846	7161.303
Biotransformation	2975.3795	1804.351	1094.207	663.557	402.399	244.025	147.983	89.739	54.417	32.996	20.006

	Monitoring Well Locations (ft)										
	0	130	300								
Field Data from Site	4600.000	27.000	7.800								



See PCE

See TCE

See DCE

Replay

Time:

36.0 Years

Log ⟺ Linear

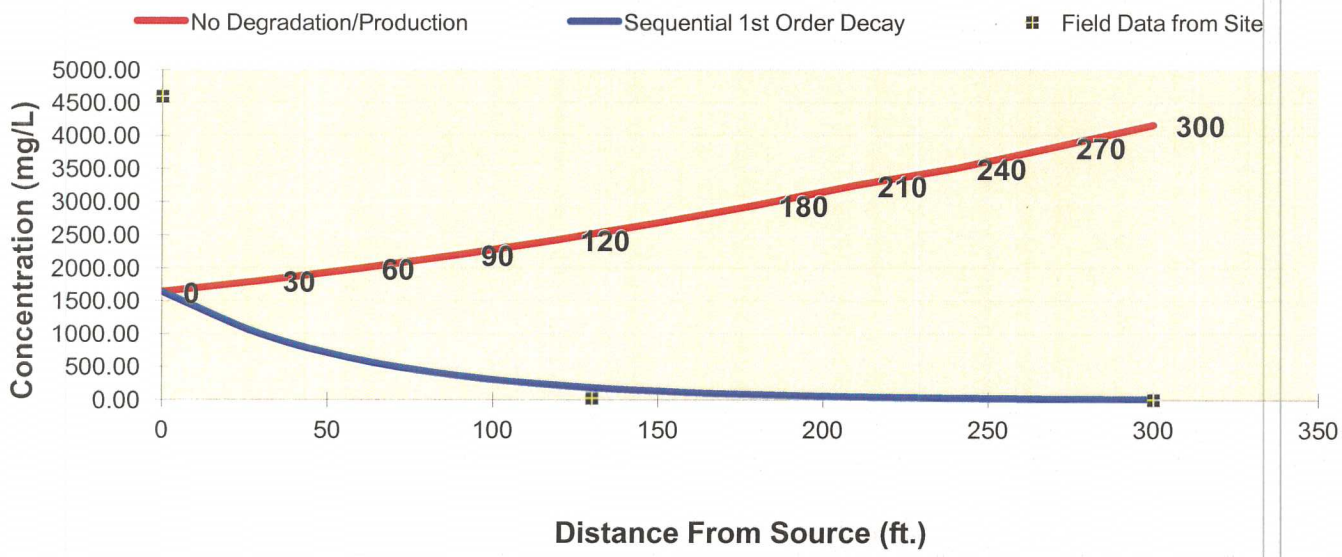
Return to Input

To All

To Array

AMMONIA CONCENTRATIONS ALONG PLUME CENTERLINE (mg/L) at Z=0

Ammonia	Distance from Source (ft)										
	0	30	60	90	120	150	180	210	240	270	300
No Degradation	1632.923	1803.628	1991.818	2199.014	2426.715	2676.311	2948.956	3245.400	3502.596	3823.168	4158.847
Biotransformation	1632.9229	990.249	600.514	364.168	220.841	133.924	81.215	49.250	29.865	18.109	10.979
	Monitoring Well Locations (ft)										
	0	130	300								
Field Data from Site	4600.000	27.000	7.800								



See PCE

See TCE

See DCE

Replay

Time:

48.0 Years

Log ⟺ Linear

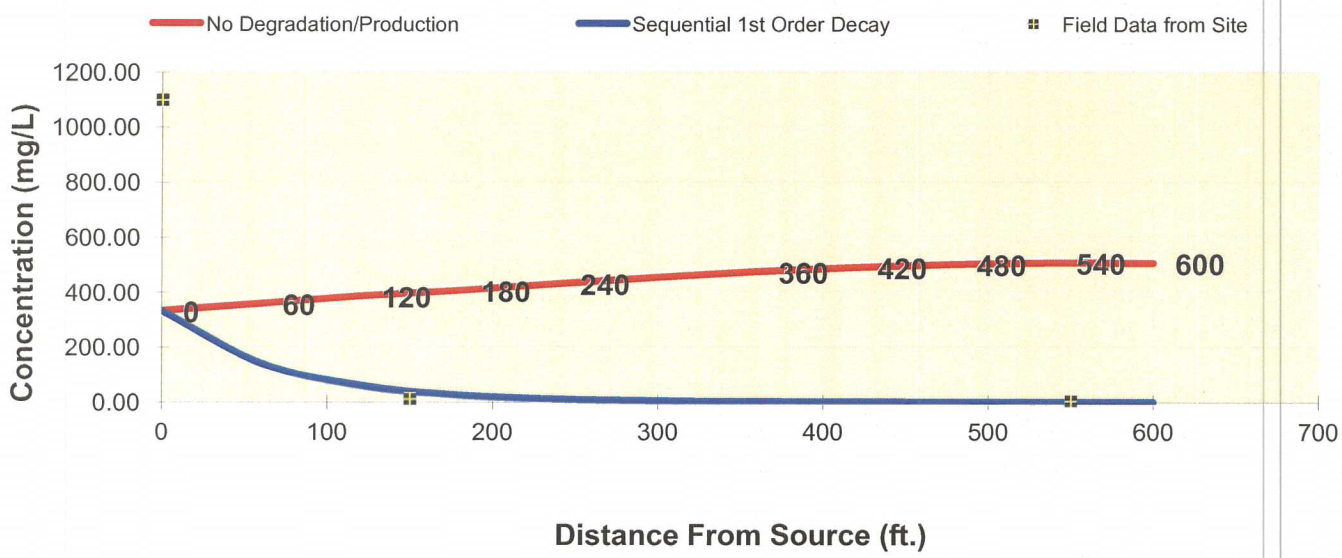
Return to Input

To All

To Array

AMMONIA CONCENTRATIONS ALONG PLUME CENTERLINE (mg/L) at Z=0

Ammonia	Distance from Source (ft)										
	0	60	120	180	240	300	360	420	480	540	600
No Degradation	331.314	357.677	385.654	406.520	431.917	455.107	475.173	491.267	502.532	508.118	507.262
Biotransformation	331.3136	139.751	58.944	24.834	10.434	4.369	1.824	0.760	0.316	0.131	0.055
	Monitoring Well Locations (ft)										
	0	150	550								
Field Data from Site	1100.000	13.000	5.600								



See PCE

See TCE

See DCE

Replay

Time:

60.0 Years

Log ⟺ Linear

Return to Input

To All

To Array

BIOCHLOR Natural Attenuation Decision Support System

Version 2.2
Excel 2000

Hutchinson Island
EW-1 - RIVER
Run Name

Data Input Instructions:

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

Test if Biotransformation is Occurring → Natural Attenuation Screening Protocol

TYPE OF CONSTITUENT: Ammonia ◉ Ethanes ○

1. ADVECTION

Seepage Velocity*	Vs	24.7	(ft/yr)
or			
Hydraulic Conductivity	K	4.6E-03	(cm/sec)
Hydraulic Gradient	i	0.0013	(ft/ft)
Effective Porosity	n	0.25	(-)

2. DISPERSION

Alpha x*	60	(ft)
(Alpha y) / (Alpha x)*	0.1	(-)
(Alpha z) / (Alpha x)*	1.E-99	(-)

Calc. Alpha x

3. ADSORPTION

Retardation Factor* → R

or

			R	
Soil Bulk Density, rho	1.7	(kg/L)		
FractionOrganicCarbon, foc	5.0E-3	(-)		
Partition Coefficient	Koc			
Ammonia	14	(L/kg)	1.48	(-)
		(L/kg)	1.00	(-)
		(L/kg)	1.00	(-)
		(L/kg)	1.00	(-)
		(L/kg)	1.00	(-)
Common R (used in model)* =			**1.48**	

4. BIOTRANSFORMATION

-1st Order Decay Coefficient*

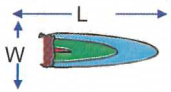
Zone 1	λ (1/yr)	half-life (yrs)	Yield
PCE → TCE	0.693	1.00	0.79
TCE → DCE	0.000		0.74
DCE → VC	0.000		0.64
VC → ETH	0.000		0.45

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

λ HELP

5. GENERAL

Simulation Time*	60	(yr)
Modeled Area Width*	300	(ft)
Modeled Area Length*	600	(ft)
Zone 1 Length*	600	(ft)
Zone 2 Length*	0	(ft)



Zone 2= L - Zone 1

6. SOURCE DATA

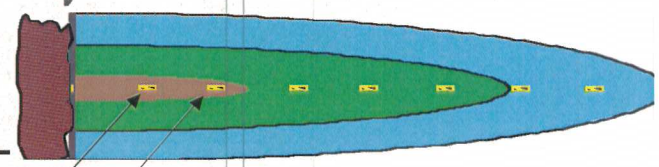
TYPE: Decaying Single Planar

Source Options

Source Thickness in Sat. Zone* 10 (ft)

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

	Y1	k_s*
Width* (ft)	300	
Conc. (mg/L)*	C1	(1/yr)
Ammonia	1100.0	0.02
		0.02
		0.02
		0.02
		0.02



View of Plume Looking Down

Observed Centerline Conc. at Monitoring Wells

7. FIELD DATA FOR COMPARISON

Ammonia Conc. (mg/L)	1100.0	13.0	5.6								
Distance from Source (ft)	0	150	550								
Date Data Collected	2011										

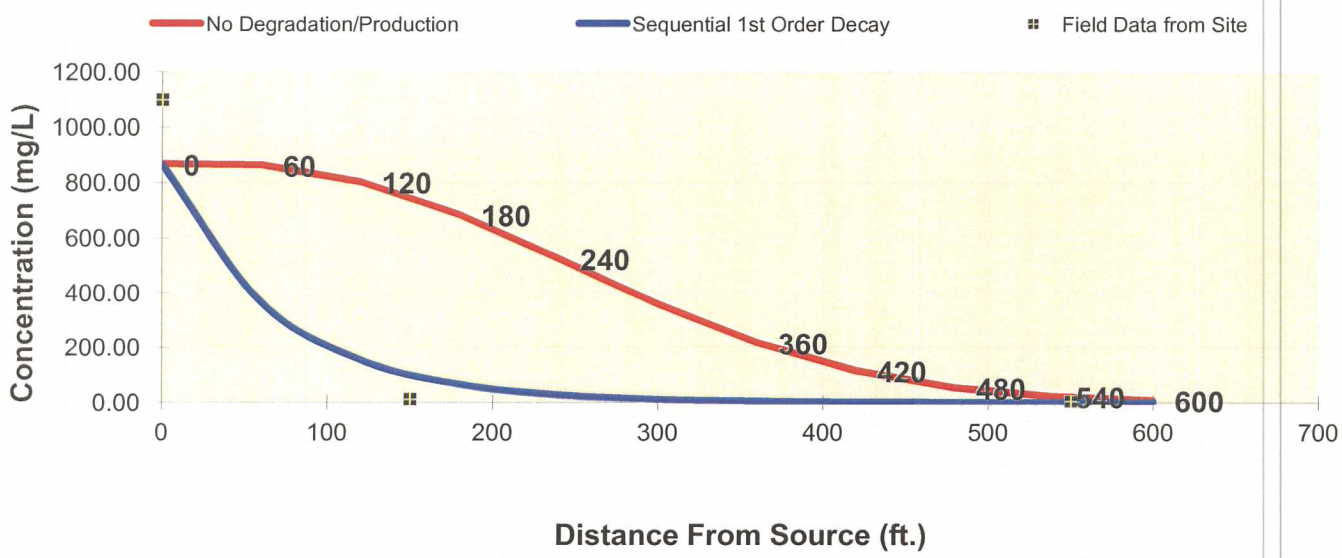
8. CHOOSE TYPE OF OUTPUT TO SEE:

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

AMMONIA CONCENTRATIONS ALONG PLUME CENTERLINE (mg/L) at Z=0

Ammonia	Distance from Source (ft)										
	0	60	120	180	240	300	360	420	480	540	600
No Degradation	865.291	862.045	801.849	683.313	524.843	359.067	217.048	115.279	53.583	21.733	7.674
Biotransformation	865.2905	364.932	153.795	64.597	26.890	11.003	4.374	1.664	0.595	0.197	0.059

	Monitoring Well Locations (ft)										
	0	150	550								
Field Data from Site	1100.000	13.000	5.600								



See PCE

See TCE

See DCE

Replay

Time:

12.0 Years

Log ⟺ Linear

Return to Input

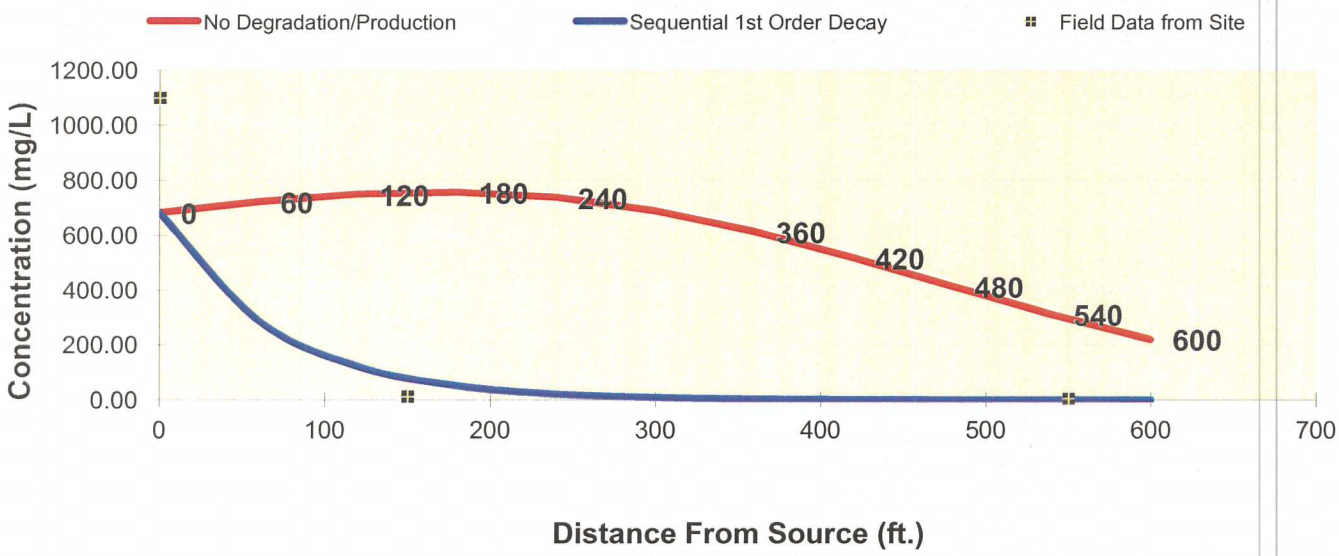
To All

To Array

AMMONIA CONCENTRATIONS ALONG PLUME CENTERLINE (mg/L) at Z=0

Ammonia	Distance from Source (ft)										
	0	60	120	180	240	300	360	420	480	540	600
No Degradation	680.662	719.931	747.162	754.819	735.880	687.404	611.907	516.825	412.710	310.685	219.950
Biotransformation	680.6616	287.109	121.095	51.019	21.435	8.975	3.747	1.560	0.648	0.269	0.111

	Monitoring Well Locations (ft)										
	0	150	550								
Field Data from Site	1100.000	13.000	5.600								



See PCE

See TCE

See DCE

Replay

Time:

24.0 Years

Log ⟺ Linear

Return to Input

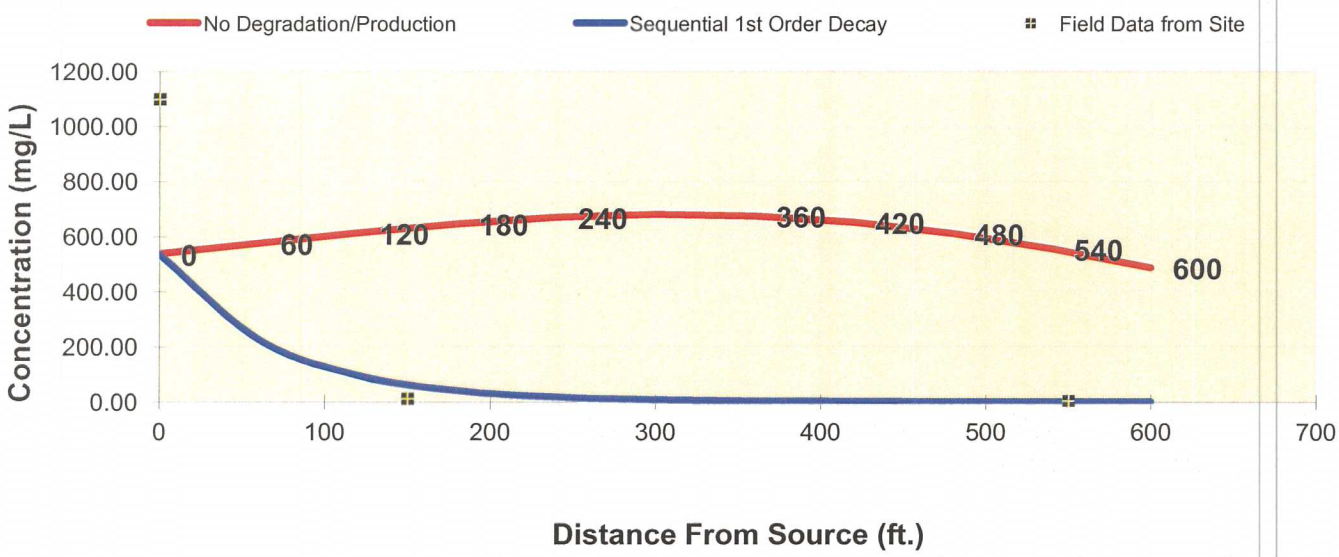
To All

To Array

AMMONIA CONCENTRATIONS ALONG PLUME CENTERLINE (mg/L) at Z=0

Ammonia	Distance from Source (ft)										
	0	60	120	180	240	300	360	420	480	540	600
No Degradation	535.427	574.384	611.936	644.835	668.641	679.341	674.034	651.185	610.917	555.170	487.583
Biotransformation	535.4274	225.848	95.257	40.133	16.862	7.061	2.948	1.228	0.511	0.212	0.088

	Monitoring Well Locations (ft)										
	0	150	550								
Field Data from Site	1100.000	13.000	5.600								



See PCE

See TCE

See DCE

Replay

Time:

36.0 Years

Log ⟺ Linear

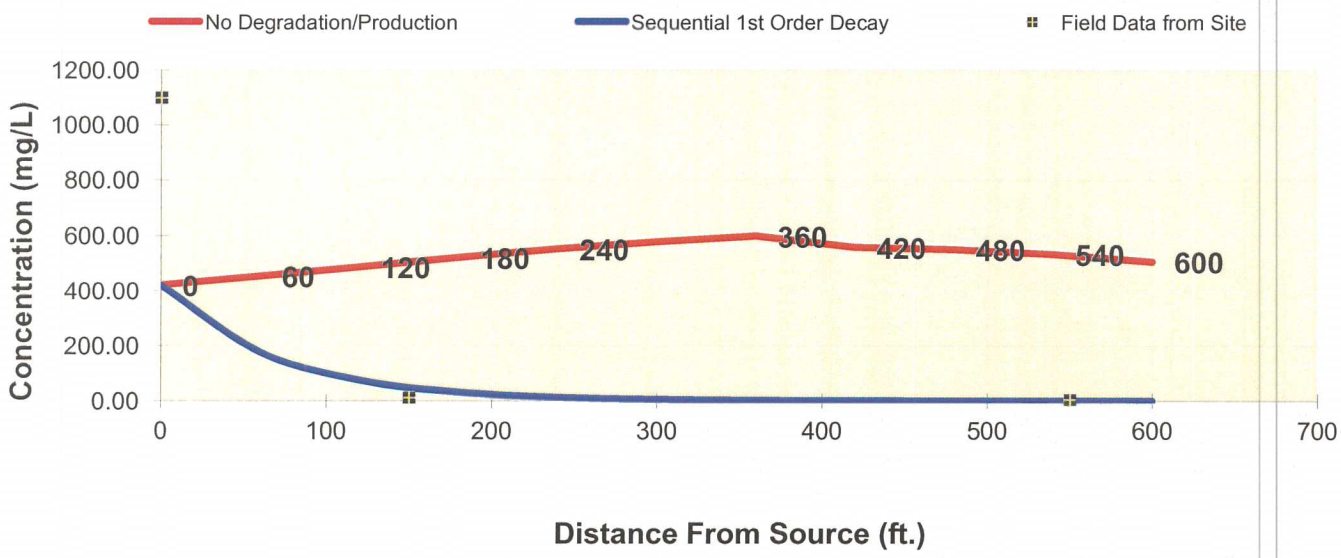
Return to Input

To All

To Array

AMMONIA CONCENTRATIONS ALONG PLUME CENTERLINE (mg/L) at Z=0

Ammonia	Distance from Source (ft)										
	0	60	120	180	240	300	360	420	480	540	600
No Degradation	421.182	453.913	487.804	521.491	552.713	579.286	599.287	558.630	551.402	534.112	506.908
Biotransformation	421.1821	177.658	74.932	31.570	13.264	5.554	2.319	0.966	0.402	0.167	0.069
	Monitoring Well Locations (ft)										
	0	150	550								
Field Data from Site	1100.000	13.000	5.600								



See PCE

See TCE

See DCE

Replay

Time:

48.0 Years

Log ⟺ Linear

Return to Input

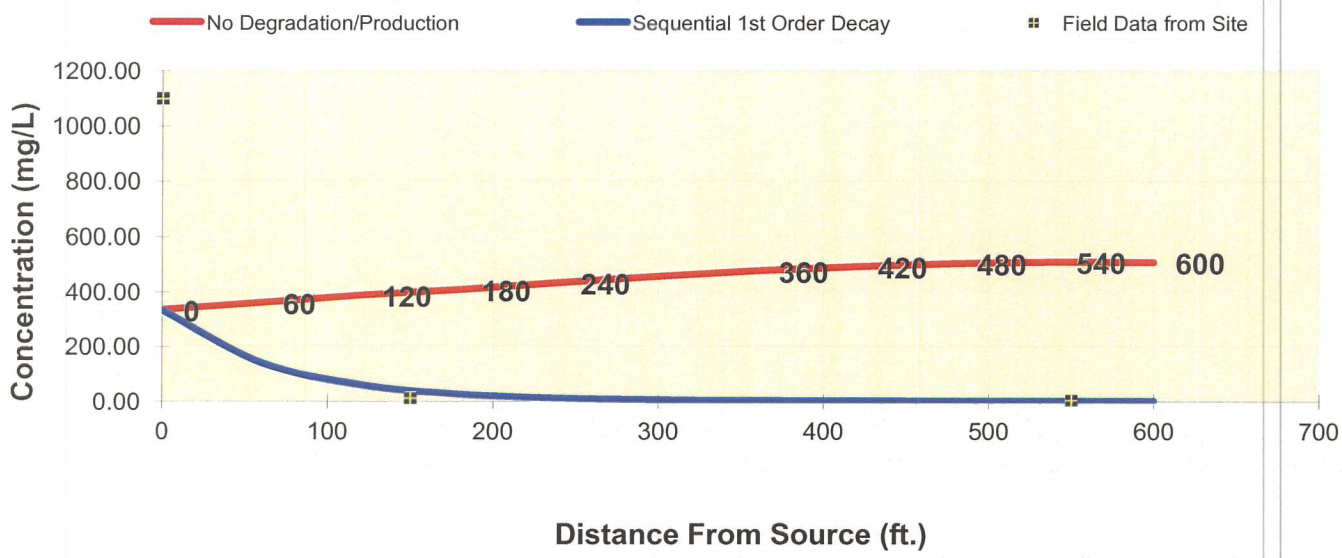
To All

To Array

AMMONIA CONCENTRATIONS ALONG PLUME CENTERLINE (mg/L) at Z=0

Ammonia	Distance from Source (ft)										
	0	60	120	180	240	300	360	420	480	540	600
No Degradation	331.314	357.677	385.654	406.520	431.917	455.107	475.173	491.267	502.532	508.118	507.262
Biotransformation	331.3136	139.751	58.944	24.834	10.434	4.369	1.824	0.760	0.316	0.131	0.055

	Monitoring Well Locations (ft)										
	0	150	550								
Field Data from Site	1100.000	13.000	5.600								



See PCE

See TCE

See DCE

Prepare Animation

Time:

60.0 Years

Log ⟺ Linear

Return to Input

To All

To Array

APPENDIX D

BORING LOGS

DEPTH (ft)	SOIL CLASSIFICATION AND REMARKS SEE KEY SHEET FOR EXPLANATION OF SYMBOLS AND ABBREVIATIONS USED BELOW.	LEGEND	ELEV (ft)	SAMPLES: IDENT	TYPE	N-COUNT 1st 6" 2nd 6" 3rd 6"	PL (%) NM (%) LL (%) ▲ FINES (%) ● SPT (bpf) 10 20 30 40 50 60 70 80 90 100
0	**TOPSOIL**						
	RESIDUAL - Brown fine to medium sandy silty **CLAY.**						
	Gray clayey fine to medium **SAND.**						
5	Gray and brown fine sandy **CLAY.**						
	Red brown fine sandy **CLAY.**						
10							
15	Gray and tan clayey fine to medium **SAND.**						
20	Red and brown clayey fine **SAND.**						
	Tan and purple fine sandy **CLAY.**						
25	Boring terminated at 25 feet.						
30							
35							
40							
45							

0 10 20 30 40 50 60 70 80 90 100

SOIL TEST BORING LEGION INDUSTRIES.GPJ AMEC.GDT 6/25/14

DRILLER: GeoLab
EQUIPMENT: GeoProbe
METHOD: Direct Push/Hollow Stem Auger
HOLE DIA.: 8 inches
REMARKS: Well installed. Groundwater at __ feet.

Prepared by: S. Foley Reviewed by: Chuck Ferry

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BEWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL TEST BORING RECORD

BORING NO.: MW-14
PROJECT: Legion Industries
LOCATION: Atlanta, GA
DRILLED: June 17, 2014
PROJECT NO.: 6121-09-0444

amec

DEPTH (ft)	SOIL CLASSIFICATION AND REMARKS SEE KEY SHEET FOR EXPLANATION OF SYMBOLS AND ABBREVIATIONS USED BELOW.	LEGEND	ELEV (ft)	SAMPLES IDENT	TYPE	N-COUNT 1st 6" 2nd 6" 3rd 6"	PL (%) NM (%) LL (%) ▲ FINES (%) ● SPT (bpf) 10 20 30 40 50 60 70 80 90 100
0	**TOPSOIL**						
	RESIDUAL - Brown fine to medium sandy silty **CLAY.**						
	Gray clayey fine to medium **SAND.**						
5	Gray and brown fine sandy **CLAY.**						
	Gray clayey fine to medium **SAND.**						
	Boring terminated at 8 feet.						
10							
15							
20							
25							
30							
35							
40							
45							

0 10 20 30 40 50 60 70 80 90 100

SOIL TEST BORING LEGION INDUSTRIES.GPJ AMEC.GDT 6/25/14

DRILLER: GeoLab
EQUIPMENT: GeoProbe
METHOD: Direct Push/Hollow Stem Auger
HOLE DIA.: 8 inches
REMARKS: Well installed. Groundwater at __ feet.

Prepared by: S. Foley Reviewed by: Chuck Ferry

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BEWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL TEST BORING RECORD

BORING NO.: MW-15
PROJECT: Legion Industries
LOCATION: Atlanta, GA
DRILLED: June 17, 2014
PROJECT NO.: 6121-09-0444

amec

DEPTH (ft)	SOIL CLASSIFICATION AND REMARKS SEE KEY SHEET FOR EXPLANATION OF SYMBOLS AND ABBREVIATIONS USED BELOW.	LEGEND	ELEV (ft)	SAMPLES: IDENT	TYPE	N-COUNT 1st 6" 2nd 6" 3rd 6"	PL (%) NM (%) LL (%) ▲ FINES (%) ● SPT (bpf) 10 20 30 40 50 60 70 80 90 100
0	**TOPSOIL**						
	FILL - Gray brown fine to medium **SAND.**						
	RESIDUAL - Gray silty clayey fine to medium **SAND.**						
	Red brown clayey silty fine **SAND.**						
5	Red brown and and blue gray clayey fine to medium **SAND.**						
	Red brown slightly clayey silty fine **SAND.**						
10	Boring terminated at 10 feet.						
15							
20							
25							
30							
35							
40							
45							

0 10 20 30 40 50 60 70 80 90 100

SOIL TEST BORING LEGION INDUSTRIES.GPJ AMEC.GDT 6/25/14

DRILLER: GeoLab
EQUIPMENT: GeoProbe
METHOD: Direct Push/Hollow Stem Auger
HOLE DIA.: 8 inches
REMARKS: Well installed. Groundwater at ___ feet.

Prepared by: S. Foley Reviewed by: Chuck Ferry

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BEWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL TEST BORING RECORD

BORING NO.: MW-16
PROJECT: Legion Industries
LOCATION: Atlanta, GA
DRILLED: June 17, 2014
PROJECT NO.: 6121-09-0444

amec

DEPTH (ft)	SOIL CLASSIFICATION AND REMARKS SEE KEY SHEET FOR EXPLANATION OF SYMBOLS AND ABBREVIATIONS USED BELOW.	LEGEND	ELEV (ft)	SAMPLES IDENT	SAMPLES TYPE	SAMPLES N-COUNT 1st 6" 2nd 6" 3rd 6"	PL (%) NM (%) LL (%) ▲ FINES (%) ● SPT (bpf) 10 20 30 40 50 60 70 80 90 100
0	**TOPSOIL**						
	Red brown to brown and gray clayey silty fine **SAND** with occasional pebbles.						
5							
10							
	Red and gray fine sandy **CLAY.**						
	Red and gray clayey fine **SAND.**						
	Gray and red clayey fine to medium **SAND.**						
15							
20							
25	Boring terminated at 25 feet.						
30							
35							
40							
45							

0 10 20 30 40 50 60 70 80 90 100

SOIL TEST BORING LEGION INDUSTRIES.GPJ AMEC.GDT 6/25/14

DRILLER: GeoLab
EQUIPMENT: GeoProbe
METHOD: Direct Push/Hollow Stem Auger
HOLE DIA.: 8 inches
REMARKS: Well installed. Groundwater at __ feet.

Prepared by: S. Foley Reviewed by: Chuck Ferry

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BEWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL TEST BORING RECORD

BORING NO.: MW-17
PROJECT: Legion Industries
LOCATION: Atlanta, GA
DRILLED: June 17, 2014
PROJECT NO.: 6121-09-0444

amec

DEPTH (ft)	SOIL CLASSIFICATION AND REMARKS SEE KEY SHEET FOR EXPLANATION OF SYMBOLS AND ABBREVIATIONS USED BELOW.	LEGEND	ELEV (ft)	SAMPLES IDENT	TYPE	N-COUNT 1st 6" 2nd 6" 3rd 6"	PL (%) NM (%) LL (%) ▲ FINES (%) ● SPT (bpf) 10 20 30 40 50 60 70 80 90 100
0	**TOPSOIL**						
	RESIDUAL - Very stiff, red brown to brown clayey fine to medium **SAND.**						
	Soft, gray clayey fine to medium **SAND.**						
5	Gray fine sandy **CLAY.**						
	Gray clayey medium **SAND.**						
10	Brown to gray fine sandy **CLAY.**						
	Gray fine to medium sandy **CLAY.**						
15	Gray and red fine sandy **CLAY.**						
20	Wet, gray and red medium to coarse sandy **CLAY.**						
25	Red and gray fine sandy **CLAY.**						
	Brown slightly clayey silty fine **SAND.**						
30	Boring terminated at 30 feet.						
35							
40							
45							

0 10 20 30 40 50 60 70 80 90 100

SOIL TEST BORING LEGION INDUSTRIES.GPJ AMEC.GDT 6/25/14

DRILLER: GeoLab
EQUIPMENT: GeoProbe
METHOD: Direct Push/Hollow Stem Auger
HOLE DIA.: 8 inches
REMARKS: Well installed. Groundwater at __ feet.

Prepared by: S. Foley Reviewed by: Chuck Ferry

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BEWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL TEST BORING RECORD

BORING NO.: MW-18
PROJECT: Legion Industries
LOCATION: Atlanta, GA
DRILLED: June 18, 2014
PROJECT NO.: 6121-09-0444

amec

DEPTH (ft)	SOIL CLASSIFICATION AND REMARKS SEE KEY SHEET FOR EXPLANATION OF SYMBOLS AND ABBREVIATIONS USED BELOW.	LEGEND	ELEV (ft)	SAMPLES: IDENT	TYPE	N-COUNT 1st 6" 2nd 6" 3rd 6"	PL (%) NM (%) LL (%) ▲ FINES (%) ● SPT (bpf) 10 20 30 40 50 60 70 80 90 100
0	**CONCRETE**						
	FILL - Coarse **GRAVEL.**						
5	Gray fine to medium sandy **CLAY.**						
	Gray fine sandy **CLAY.**						
	Gray and brown fine to medium sandy **CLAY.**						
10	Brown fine sandy **CLAY.**						
15	Boring terminated at 15 feet.						
20							
25							
30							
35							
40							
45							

0 10 20 30 40 50 60 70 80 90 100

SOIL TEST BORING LEGION INDUSTRIES.GPJ AMEC.GDT 6/25/14

DRILLER: GeoLab
EQUIPMENT: GeoProbe
METHOD: Direct Push/Hollow Stem Auger
HOLE DIA.: 8 inches
REMARKS: Well installed. Groundwater at __ feet.

Prepared by: S. Foley Reviewed by: Chuck Ferry

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BEWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL TEST BORING RECORD

BORING NO.: MW-19
PROJECT: Legion Industries
LOCATION: Atlanta, GA
DRILLED: June 18, 2014
PROJECT NO.: 6121-09-0444

amec

APPENDIX E

REGISTERED PROFESSIONAL SUPPORTING DOCUMENTATION

Stephen R. Foley, P.G.

Summary of Hours and Services

Legion Industries, Inc.

HSI Site No. 10614

AMEC Project No. 6121-09-0444

Hours for post-approval Voluntary Remediation Plan implementation

1) Completion of June 2014 monitoring well installation, groundwater monitoring event and evaluation of groundwater monitoring data

   32 hours invoiced between June 12 and June 27, 2014

2) Preparation of July 2014 Semi-Annual VRP Progress Report

   36 hours invoiced between July 1 and July 23, 2014