Confidential

October 11, 2013

Mr. Derrick Williams
Georgia Environmental Protection Division
2 Martin Luther King, Jr. Dr. SE
Suite 1462 East Tower
Atlanta, GA 30334

RE: 3rd Semi-Annual Progress Report, April 12, 2013, Diamond Rug and Carpet Mills, Eton, Murray County, Georgia; HSI#10534

Dear Mr. Williams:

GaiaTech Incorporated (**GAIATECH**) is submitting this progress report to update the status of the former Diamond Rug and Carpet Mills facility (currently operating as Mohawk Industries and hereinafter referred to as the "Site") located in Eton, Murray County, Georgia. This update details the findings of the last semi-annual sampling event, updates the Conceptual Site Model (CSM) for the Site, and provides conclusions and recommendations as detailed in subsequent sections.

INTRODUCTION AND BACKGROUND

The subject property is located at 4140 North Highway 411 just north of the city limit in Murray County, Georgia. **Figure 1** in **Attachment 1** illustrates the location of this Site. The Site is currently used for manufacturing carpet and is presently owned by the Aladdin Manufacturing Division of Mohawk Industries, Inc. (Mohawk).

The property is located within an industrial area on the north side of Eton Georgia. It is bounded on the north by a small tufting operation and undeveloped land, to the east by CSX railroad line that is bounded further to the east by other industrial facilities, to the south by Beaulieau Industries and to the west of US Highway 411 by Superior Carpets. See **Figure 2** in **Attachment 1** for a Site layout map.

CURRENT REGULATORY STATUS

The Site was listed on the Georgia Hazardous Site Inventory (HSI) for a release of tetrachloroethene (PCE) in groundwater at a concentration exceeding a reportable quantity on April 9, 1999. The Site was designated as a Class II Site with HSI No. 10534. Since then, numerous Site investigation and reporting activities have been conducted by others to further characterize the release.

GaiaTech, Inc. (GaiaTech) was retained by Mohawk to respond to a November 9, 2010 Notice of Deficiency (NOD) letter from the Georgia Environmental Protection Division (GEPD) regarding an Interim Remedial Status Report prepared by Conestoga Rovers in June of 2005. In the letter, the GEPD required additional clarification to the June 2005 report, as well as additional sampling to define and characterize the extent of impact of various regulated substances in soil and groundwater.

GaiaTech conducted limited soil and groundwater sampling in November 2011 followed by the preparation and submission of a Voluntary Investigation and Remediation Plan (VIRP) Application dated December 14, 2011. The VIRP was submitted in lieu of a Corrective Action Plan, which would have been required under the Georgia Hazardous Site Response Program. The VIRP Application was approved by the Georgia EPD on April 12, 2012. The VIRP Approval letter outlined minimum schedule requirements, for assessment and reporting milestones. The following details the relative milestones and items completed, which are as follows:

- **Semi-Annual Progress Reports** – October 12 and April 12 through October 12, 2016. A total of two (2) Semi-Annual Progress Reports have been Submitted to date: October 12, 2012;
- **Complete Horizontal Delineation on the Qualifying Property** - Must be demonstrated in the April 12, 2013 Semi-Annual Progress Report (12 months from VIRP Approval);
- **Complete Horizontal Delineation on all Impacted Properties** - Must be demonstrated in the April 12, 2014 Semi-Annual Progress Report (24 months from VIRP Approval);
- **Complete Horizontal and Vertical Delineation, Finalization of Remedial Plan, and a Cost Estimation for Remedial Implementation** - Must be demonstrated in the October 12, 2014 Semi-Annual Progress Report (30 months from VIRP Approval);
- **Submission of Compliance Status Report** – April 12, 2017.

To date, three of the above milestones have been completed by Mohawk (i.e., complete horizontal delineation on the qualifying property and all impacted properties). The remainder of this report details the findings of the 3rd Semi-Annual sampling event.

3RD SEMI-ANNUAL GROUNDWATER SAMPLING ACTIVITIES

A semi-annual groundwater sampling event was conducted on September 12, 2013 to provide continued data evaluation of the groundwater plume. Samples were collected from the following monitoring wells:

- OW-2, OW-5, OW-7, OW-8D, OW-9, OW-10, OW-11, OW-12, OW-13, and MWW-1

Top Casing Survey and Groundwater Elevation Measurements

Water level information from the September sampling event is summarized on **Table 1** in **Attachment 2**. The water level data was used to determine the volume of water to be purged from each well prior to sample collection, as well as the static groundwater elevation in each well. GaiaTech measured the relative top of casing elevations of newly installed wells utilizing previously recorded survey data from existing Site monitoring wells. Discrepancies in the elevations of existing monitoring wells necessitated a new round of top of casing measurements such that an accurate portrayal of the potentiometric surface could be depicted. Individual monitoring well purge volumes were calculated as follows:

Depth of well (ft) - Static water level (ft) = Column of water (ft)

Column of water (linear ft) x 0.17 gallons/ft. x 3 well volumes = Gallons of water to purge

Prior to well purging and sampling, the depth to water in each monitoring well was measured at the marking indication for the top of casing elevation with an electronic water level indicator. Each well measurement was recorded by slowly lowering the indicator probe into the well until the audible and visual signal indicated the static water surface had been reached. Subsequently, the elevation was then recorded to the nearest 0.01 foot. The well data was recorded on field logs which are included in the Water Quality Sampling Forms in **Attachment 3**. The groundwater elevation of select monitoring wells was utilized to prepare a potentiometric map of water levels recorded on September 12, 2013. This potentiometric map for the shallow unconfined water table is included as **Figure 3** in **Attachment 1.** According to potentiometric data, groundwater at the property appears to be flowing to the southeast towards Mill Creek.

Well Purging

Well purging and sampling activities were conducted in accordance with the U.S. Environmental Protection Agency (EPA) Science and Ecosystem Support Division (SESD) Operating Procedure (OP) for Groundwater Sampling (SESDPROC-301-R2, March 2013; Sections 3.2.1.1.1 and 3.2.1.1.2).

Prior to sample collection, monitoring wells were purged via peristaltic pump. The pump and discharge tubing or peristaltic suction tubing was slowly lowered into the well, and placed approximately in the center of the measured water column. If the top of the water column interface was discernible during pump deployment, then the pump was lowered a distance of approximately half of the calculated static water column. In the event that the top of the static water column was not discernible during pump deployment, then, upon encountering the bottom of the well, the pump was raised a distance of approximately half of the static water column to position the pump in the middle of the static water column.

The monitoring wells were purged at a low flow rate in an attempt not to evacuate all the water from the wells such that the water column was not purged dry. However, many of the

monitoring wells were purged dry. During the purging process, the flow was adjusted as necessary to mimic the natural recharge rate of the well in order to minimize aquifer stress. During the well purging process, discrete samples were collected at pre-determined intervals and analyzed for field parameters which included temperature, pH, specific conductance, turbidity, dissolved oxygen (DO), total dissolved solids (TDS), and oxidation-reduction potential (ORP). The results of these measurements are presented on the Water Quality Sampling Forms in **Attachment 3**. The wells were purged of a minimum of three well volumes, until the field parameters stabilized, or until the wells were purged dry, whichever occurred first.

Sampling Procedures

Groundwater sampling was conducted in accordance with procedures outlined in SESD Operating Procedures for Groundwater Sampling (SESDPROC-301-R2, March 2013; Sections 4.3.1.1 and 4.3.1.3). Groundwater samples were collected following well purging and appropriate recharge. Copies of the data recorded during purging activities are included in the Water Quality Sampling Forms shown in **Attachment 3**.

Samples were collected via the "straw method" whereby the tubing was allowed to fill with groundwater, the pump was shut off, and the suction portion of the tubing was withdrawn from the well with a thumb placed over the tubing end. The tubing was then withdrawn from the well and then carefully poured into the supplied laboratory containers. The laboratory-supplied sample containers were then carefully filled and labeled. Required sample volumes, types of containers, sample preservatives, and holding times followed guidelines presented in SESD the most current guidelines.

Sample containers were labeled and placed in iced containers for storage to maintain a temperature of 4^{o} C. Chain-of-custody procedures were utilized to record and document sample times and changes of possession.

Decontamination Procedures

The only non-disposable sampling equipment utilized during Site activities was the electronic water level indicator. Subsequent to measuring groundwater elevations as described above, the electronic water level indicator tape was decontaminated between each monitoring well measurement in accordance with SESDPROC-205-R2, December 2011, by:

- Alconox and tap water wash;
- Tap water rinse; and
- Deionized water rinse.

In addition to decontamination procedures, monitoring wells were measured from least to most impacted to minimize any potential cross-contamination issues.

Analytical Procedures
Analytical parameters included VOCs utilizing EPA Method 8260B.

CONCEPTUAL SITE MODEL UPDATE

The Conceptual Site Model (CSM) will be updated and revised as Site assessment and receptor characterization activities continue. The following is the updated CSM as of the data available at the time of this report.

Soil Data
The VIRP submitted in December 2011 stated that the concentrations of remaining soils did not exceed the notification concentrations found in Appendix I of the Rules for Hazardous Site Response of Type 1 Risk Reduction Standard. The GEPD disagreed in the VIRP comment letter dated April 12, 2012 (Comment #4) pointing out that soil boring BH-5 exhibited a PCE concentration of 0.580 mg/kg, which does not meet the Type 1 RRS of 0.500 mg/kg.

BH-5 was collected on May 14, 2002 and was advanced within the area of the gravel drain field. A soil sample collected at a 2 foot depth interval exhibited a PCE concentration of 0.580 mg/kg. This area was later remediated via soil injection of potassium permanganate in December 2002, April 2003, and June 2004. The concentration of BH-5 indicated that PCE exceeded RRS criteria in May of 2002; however, the sample location was never re-sampled subsequent to the permanganate treatment to verify that the detection had been successfully remediated.

In order to verify that past soil remedial efforts had reduced soil PCE concentrations in and around the location of the sample collected form BH-5 in 2002, a total of five additional soil borings were installed in and around the location of BH-5 in February of 2013. Analytical testing results indicated no detections of PCE or other VOCs above the laboratory detection limits. Thus, the assessment data indicates that not latent soil sources remain at the Site.

Groundwater Data
A total of three (3) additional groundwater monitoring wells were installed in February 2013 and a fourth well was installed in March 2013 to define the horizontal extent of groundwater impact on the VRP property. Monitoring wells OW-2, OW-5, OW-7, OW-9 to OW-13, and MWW-1 were sampled to evaluate the horizontal distribution and concentration of the shallow groundwater plume during the September 2013 semi-annual sampling event, while monitoring well OW-8D was sampled to evaluate the vertical distribution of the groundwater plume. The following summarizes analytical findings of the sampling efforts:

Volatile Organic Compounds
None of the shallow monitoring wells described above for evaluating the horizontal extent of the groundwater plume contained concentrations in excess of the laboratory detection limit. Monitoring well OW-8D, sampled to evaluate the vertical extent of

impact, contained concentrations of 1,1-Dichloroethane (12 μg/L), 1,1-Dichloroethene (18 μg/L), and Tetrachloroethene (78 μg/L) in excess of the laboratory detection limit. All other concentrations of VOCs were reported below the laboratory detection limits. The analytical data suggests that the shallow groundwater plume has decreased to below laboratory reporting limits, while select concentrations of VOC constituents in the deeper monitoring point (OW-8D) have increased compared to prior sampling events. Analytical data are summarized on **Table 2** in **Attachment 2** while the laboratory analytical data reports and accreditation are provided in **Attachment 4**. **Figure 4** in **Attachment 1** summarizes the current detections of VOCs.

Receptor Survey

Groundwater Pathway

The groundwater plume had been horizontally defined on the VRP property. The off-Site migration of the groundwater plume may be monitored through periodic sampling (as necessary), to demonstrate that that the plume is not migrating to a receptor point. No drinking water receptors have been identified within applicable radii. Thus, there is no complete exposure pathway for groundwater.

Surface Water Pathway

Mill Creek is located approximately 1,000 feet east of the Site (**see Figure 1**) and flows in a north-south direction. Topographic gradients in the vicinity of the property slope in a southeasterly direction toward Mill Creek mirroring groundwater flow direction data from Site monitoring wells. Potentiometric data gathered during September 2013 indicates that shallow groundwater flow is flowing toward Mill Creek. Presently, the shallow groundwater plume is below laboratory detection limit concentrations for all analyzed constituents. As such, there is no complete surface water pathway.

Soil Pathway

The VIRP comment letter dated April 12, 2012 indicated that a detection of PCE of 0.580 mg/kg at soil boring BH-5 at 2 feet did not meet any RRS criteria. Additionally, the comment letter further stated that, because the RRS criteria are exceeded, the EPD cannot confirm that the inhalation, ingestion, and dermal contact risks are minimal. However, the area in/around BH-5 was treated with potassium permanganate injections in 2002, 2003, and 2004. Thus, it is likely that this detection of PCE in BH-5 at 2 feet was remediated to below RRS criteria as a result of these remedial efforts.

Post-remedial evaluation of the location of BH-5 was conducted in February of 2013 via the installation of five soil borings in /around the location of BH-5. Laboratory analytical testing results indicated concentrations of VOCs in all samples below the laboratory detection limits. As such, the soil pathway is incomplete and not a risk to human health or environmental receptors.

Vapor Intrusion Pathway

As stated in the 1st Semi-annual Progress Report dated October 12, 2012, the only groundwater monitoring well evaluating impacts below building structures was monitoring well OW-6. The concentration of groundwater detected in OW-6 during the September 2012 sampling event were entered into the EPA's Groundwater Concentration to Indoor Air Concentration (GWC-IAC) Calculator Version 2.0, May 2012 RSLs. Evaluating these levels using the OSWER calculator indicated that the shallow groundwater levels of PCE are below the guidance levels using a 1×10^{-5} risk factor based on residential usage. Therefore, the vapor exposure pathway does not pose a significant risk to workers at the Site.

ADDITIONAL GROUNDWATER ASSESSMENT

The horizontal extent of shallow groundwater impact has been defined and presently, the monitoring wells evaluated as part of this 3rd semi-annual sampling update do not contain VOC concentrations in excess of laboratory detection limits. Presently, monitoring well OW-8D is the deepest well at the VIRP property. The most recent round of groundwater samples collected in September 2013 indicates that concentration trend in OW-8D is increasing. Deeper groundwater assessment activities will continue as the CSM is updated with the goal of vertical delineation within 30 months of VIRP approval as detailed in the April 12, 2012 schedule.

CORRECTIVE ACTION EVALUATION

The remedial levels that the VRP property has to meet in order to demonstrate compliance with applicable RRS is as follows:

Regulated Constituent	CAS Number	Type 1/3 RRS Criteria (µg/l)	Type 2/4 Criteria (µg/l)	Most Recent Detection (µg/l)*
1,1-Dichloroethane (1,1-DCA)	75-34-3	4,000	NC	12 (OW-8D)
1,1-Dichloroethene (1,1-DCE)	75-35-4	7	NC	**18 (OW-8D)**
Tetrachloroethene (PCE)	127-18-4	5	**19/98****	78 (OW-8D)

Notes:

*- Based upon laboratory analytical testing data from September 2013.

**- Based upon the approved Type 2 RRS for PCE in comment #5 of EPD's April 12, 2012 VIRP Comment Letter.

ND – Not Detected

NC – Not Calculated.

A comparison of the most recent concentrations of regulated substances to respective RRS criteria indicates that groundwater is in compliance with applicable clean-up criteria with the exception of 1,1-DCE, which exceeds the Type 1/3 RRS criteria of 7 μg/L. Future activities may include the preparation of a Site-specific Type 4 RRS for 1,1,-DCE. The Type 2 standard for PCE is exceeded in OW-8D, but is below the Type 4 RRS of 98 μg/L.

Currently, the only concentrations of regulated constituents are being reported in the deep monitoring well OW-8D. The nearest receptor is Mill Creek, located approximately 1,000 feet east of the Site. As such, no corrective action activities are planned for groundwater detections as they pose no significant risk to a human and/or environmental receptor.

GaiaTech corresponded with Jason Metzger and Antonia Beavers with the Georgia EPD on September 26, 2013 to discuss the current Site data and the possibility of submitting a Compliance Status Report (CSR) in lieu of this current 3rd Semi-Annual Progress Report. According to the Georgia EPD, vertical delineation of the groundwater plume would be required, even if no drinking water receptors are identified since the Site was listed on the HSI for the "Groundwater Pathway". As such, Mohawk plans on certifying compliance with applicable RRSs subsequent to vertical delineation completion. Complete vertical delineation of the groundwater plume is required prior to October 12, 2014, per the VIRP Milestone Schedule.

PROFESSIONAL CERTIFICATION AND SUMMARY OF HOURS

The professional certification and summary of hours in included in **Attachment 5**.

Please do not hesitate to contact any of the undersigned if you have any questions or need additional information.

Sincerely,
GAIATECH INCORPORATED

Michael H. Wilson
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Technical Review and Concurrence by:

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Attachments:

Attachment 1 – Maps
- Figure 1 - Site Location Map
- Figure 2 - Site Layout and Sample Location Map

Attachment 2 - Tables
- Table 1 - Soil Analytical Testing Data Summary Table
- Table 2 – Sub-Slab Soil Gas Testing Data Summary Table

Attachment 3 - Monitoring Well Purging and Sampling Information

Attachment 4 - Laboratory Analytical Data Reports

Attachment 5 – Professional Certification and Summary of Hours

ATTACHMENT 1

MAPS

Scale 1: 24 000
Contour Interval 10 Feet

1 0 1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 .5 0 1 KILOMETER

Quadrangle Location

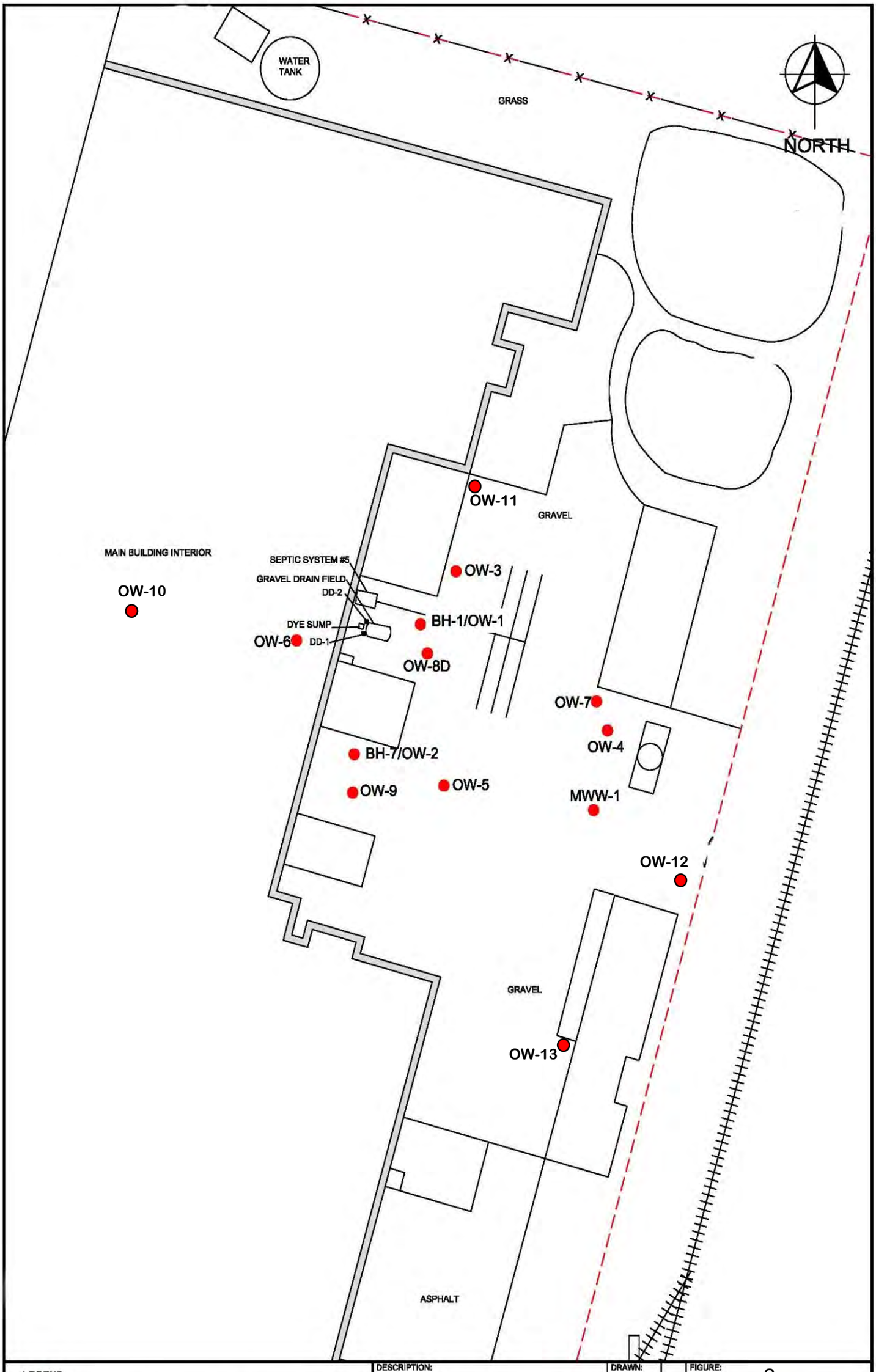
UNITED STATES GEOLOGICAL SURVEY
DEPARTMENT OF THE INTERIOR/USGS
CHATWORTH QUADRANGLE
GEORGIA
7.5 MINUTE SERIES (TOPOGRAPHIC)
1972
PHOTOREVISED 1985

Mohawk Industries, Inc.
Eton, Georgia
Project No. 150314.300.00

Figure 1

Site Location and Topographic Map

GaiaTech



LEGEND

● GROUNDWATER MONITORING WELL

DESCRIPTION:

SITE LAYOUT MAP

MOHAWK INDUSTRIES, INC.
ETON. MURRAY COUNTY, GEORGIA

DRAWN: MHW

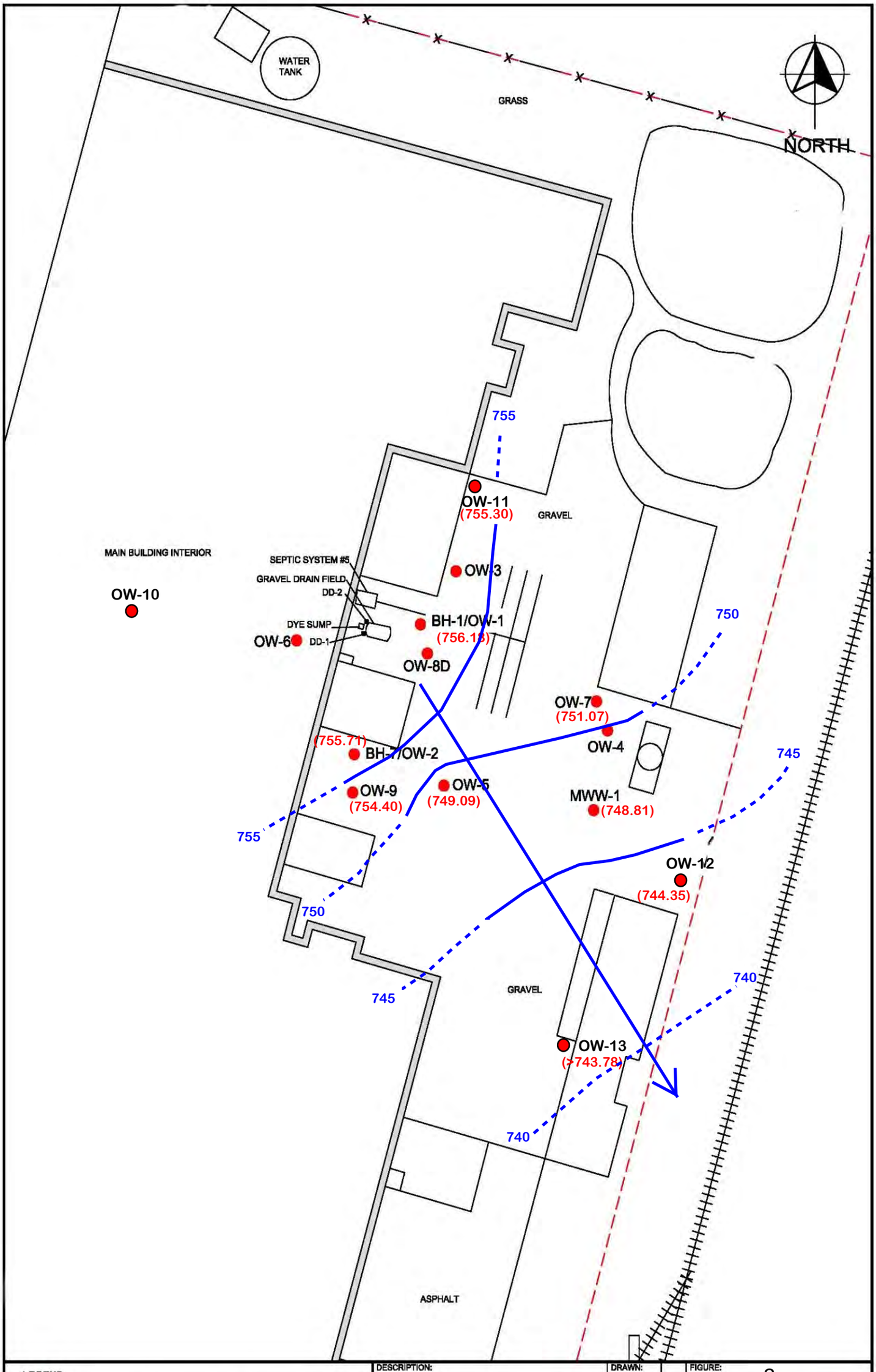
SCALE: 1"=50' (APPROX)

DATE: 3/18/13

FILE:

FIGURE: 2

GaiaTech



LEGEND

- GROUNDWATER MONITORING WELL
- 754 GROUNDWATER ELEVATION CONTOUR
- GROUNDWATER FLOW DIRECTION

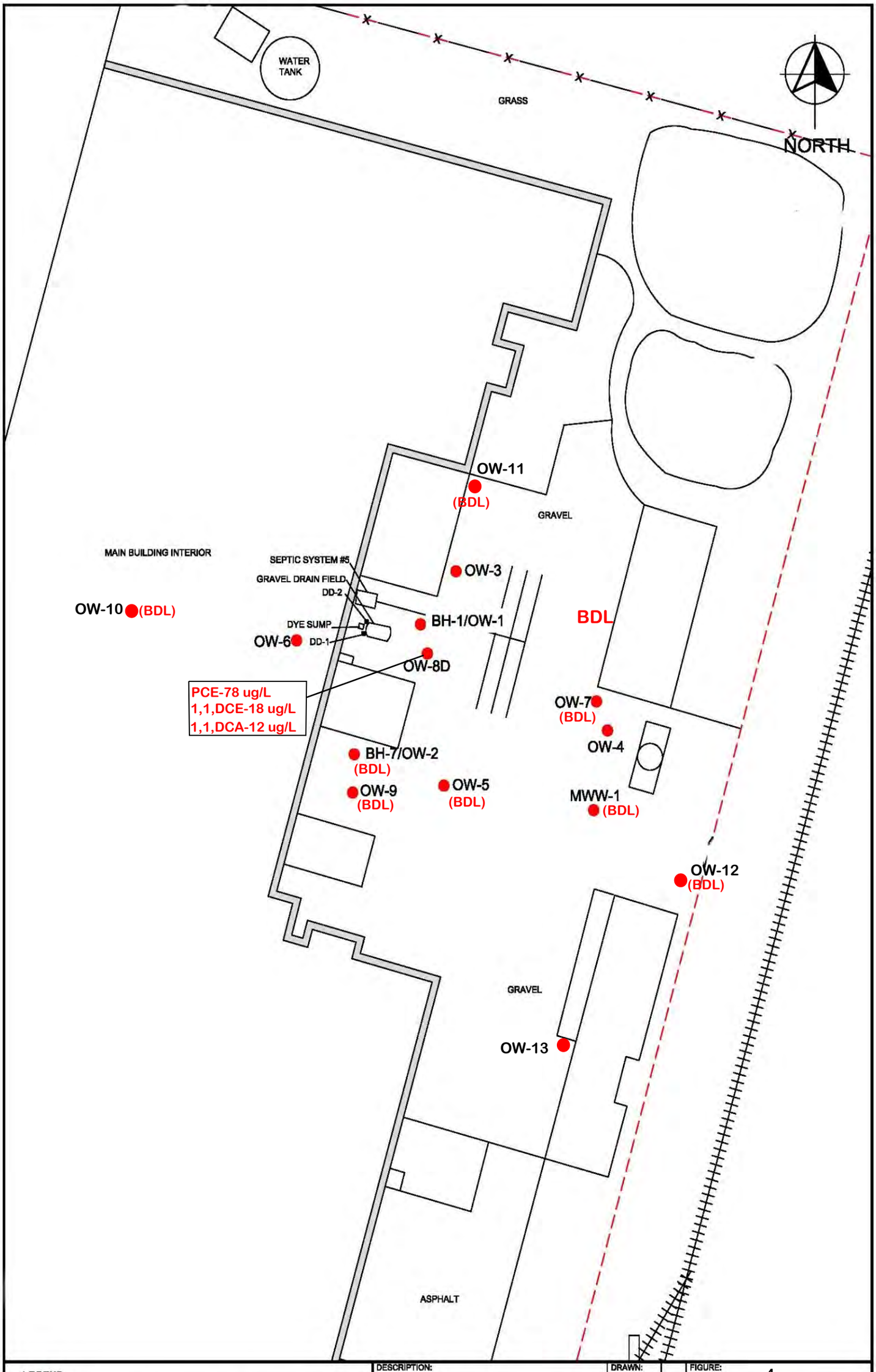
DESCRIPTION:
POTENTIOMETRIC SURFACE MAP (SEPTEMBER 2013)

MOHAWK INDUSTRIES, INC.
ETON, MURRAY COUNTY, GEORGIA

DRAWN: MHW
SCALE: 1"=50' (APPROX)
DATE: 9/20/13
FILE:

FIGURE: 3

GaiaTech



LEGEND

- GROUNDWATER MONITORING WELL
- (BDL) GROUNDWATER VOC CONCENTRATION - ug/L
- PCE TETRACHLRORETHENE

DESCRIPTION:
SUMMARY OF VOLATILE ORGANIC CONSTITUENTS IN GROUNDWATER
MOHAWK INDUSTRIES, INC.
ETON. MURRAY COUNTY, GEORGIA

DRAWN: MHW
SCALE: 1"=50' (APPROX)
DATE: 9/21/13
FILE:

FIGURE: 4

GaiaTech

ATTACHMENT 2

TABLES

TABLE 1
SUMMARY OF GROUNDWATER ELEVATION DATA

Mohawk Industries
Eton, Georgia
GaiaTech Project No. 152194.300.00

Well I.D.	Date	Top of Casing Elevation (feet)	Total Well Depth (feet)	Screen Interval (feet)	Screened Interval Elevation (feet)	Depth to Groundwater (feet)	Water Level Elevation (feet)
OW-1	03/16/11	775.72	19.50	23 to 28	752.72 to 747.72	-	-
	09/07/12					19.40	756.32
	03/18/13	774.94				18.65	756.29
	09/12/13					18.76	756.18
OW-2	03/16/11	775.80	28.00	23 to 28	752.80 to 747.80	14.21	761.59
	09/07/12					18.49	757.31
	03/18/13	775.02				15.58	759.44
	09/12/13					19.31	755.71
OW-3	03/16/11	775.46	28.00	23 to 28	752.46 to 747.46	24.11	751.35
	09/07/12					Destroyed	
OW-5	03/16/11	774.56	28.00	23 to 28	751.56 to 746.56	23.21	751.35
	02/25/13					14.60	759.96
	03/18/13	773.80				16.69	757.11
	09/12/13					24.71	749.09
OW-6	03/16/11	778.63	42.90	23 to 28	730.73 to 735.73	31.99	746.64
	09/07/13					36.41	742.22
	03/18/13	779.52				29.21	750.31
OW-7	03/16/11	772.56	28.00	23 to 28	749.56 to 744.56	NS	NS
	09/07/12					19.46	753.10
	02/25/13					12.28	760.28
	03/18/13	772.56				15.61	756.95
	09/12/13					21.49	751.07
OW-8D	03/16/11	774.88	48.82	TBD	TBD to 726.06	28.60	746.28
	09/07/13					40.82	734.06
	03/18/13	774.88				29.89	744.99
	09/12/13					36.96	737.92
OW-9	03/16/11	775.90	28.00	23 to 28	752.90 to 747.90	12.86	763.04
	09/07/12					20.81	755.09
	02/25/13					15.16	760.74
	03/18/13	775.14				17.14	758.00
	09/12/13					20.74	754.40
OW-10	02/25/13	779.45	45.00	30 to 45	764.45 to 749.45	40.48	738.97
	03/18/13					37.95	741.50
	09/12/13					37.55	741.90
OW-11	02/25/13	775.34	30.00	15 to 30	760.34 to 745.34	13.75	761.59
	03/18/13					15.71	759.63
	09/12/13					20.04	755.30
OW-12	02/25/13	770.46	30.00	15 to 30	755.46 to 740.46	14.22	756.24
	03/18/13					17.91	752.55
	09/12/13					26.11	744.35
OW-13	03/18/13	773.78	30.00	15 to 30	758.78 to 743.78	22.33	751.45
	09/12/13					DRY	
MWW-1	03/16/11	773.35	35.00	20 to 35	753.35 to 738.35	20.00	753.35
	09/07/12					24.23	749.12
	02/25/13					15.41	757.94
	03/18/13	772.58				17.13	755.45
	09/12/13					23.77	748.81

NOTES:

TBD - Well construction details not available. Additional measures may be implemented to gather data gaps.

*Monitoring wells were re-surveyed on 3/18/13 to a common benchmark. Newly recorded elevations are indicated in top of casing elevation column.

NS - Not Sampled.

NA - Not Applicable.

TABLE 2
GROUNDWATER ANALYTICAL SUMMARY - VOLATILE ORGANIC COMPOUNDS

Mohawk Industries
Eton, Georgia
GaiaTech Project No. 152194.300.00

Sample Location	Date Collected	Concentration, ug/l						
		1,1,1-TCA	1,1-DCA	1,1-DCE	cis-1,2-DCE	PCE	TCE	Vinyl Chloride
OW-1	5/21/2002	ND	7.7	**13**	ND	**96**	ND	ND
	2/4/2003	ND	ND	ND	5.8	**66**	ND	ND
	6/25/2003	ND	6.5	ND	ND	**73**	ND	ND
	11/21/2003	ND	ND	ND	5.4	6.3	ND	ND
	3/4/2004	ND	ND	ND	14	17	ND	ND
	8/13/2004	ND	ND	ND	ND	73	ND	ND
	1/28/2005	ND	ND	ND	7.6	7.8	ND	ND
	9/7/2012	Well Damaged - Obstruction at 19.5 ft.						
OW-2	5/21/2002	ND	19	**14**	ND	**29**	ND	ND
	2/4/2003	ND	13	ND	ND	ND	ND	ND
	6/25/2003	ND	8	ND	ND	ND	ND	ND
	11/21/2003	ND	ND	ND	ND	ND	ND	ND
	3/4/2004	ND	ND	ND	ND	ND	ND	ND
	8/13/2004	ND	ND	ND	ND	ND	ND	ND
	12/2/2004	ND	12	ND	ND	ND	ND	ND
	3/16/2011	ND	ND	ND	ND	6	ND	ND
	9/7/2012	ND	ND	ND	ND	ND	ND	ND
	9/12/2013	ND	ND	ND	ND	ND	ND	ND
OW-3	5/21/2002	ND	ND	ND	ND	ND	ND	ND
	8/25/2003	ND	ND	ND	ND	ND	ND	ND
	11/21/2003	ND	ND	ND	ND	ND	ND	ND
	3/4/2004	ND	ND	ND	ND	ND	ND	ND
	8/13/2004	ND	ND	ND	ND	ND	ND	ND
	9/7/2012	Well Destroyed						
OW-4	5/21/2002	ND	7.3	ND	ND	5.5	ND	ND
	2/4/2003	ND	5.2	ND	ND	6.7	ND	ND
	8/13/2004	ND	ND	ND	ND	ND	ND	ND
OW-5	5/21/2002	ND	ND	ND	ND	ND	ND	ND
	2/25/2013	ND	ND	ND	ND	11	ND	ND
	9/12/2013	ND	ND	ND	ND	ND	ND	ND
OW-6	8/13/2004	ND	22	ND	ND	ND	ND	ND
	12/2/2004	ND	40	ND	ND	ND	ND	ND
	3/16/2011	ND	17	6	ND	5	ND	ND
	9/7/2012	ND	34	5	ND	6.4	ND	ND
OW-7	8/13/2004	ND	ND	ND	ND	ND	ND	ND
	12/2/2004	ND	ND	ND	ND	ND	ND	ND
	9/7/2012	ND	ND	ND	ND	ND	ND	ND
	2/25/2013	ND	ND	ND	ND	ND	ND	ND
	9/12/2013	ND	ND	ND	ND	ND	ND	ND

TABLE 2
GROUNDWATER ANALYTICAL SUMMARY - VOLATILE ORGANIC COMPOUNDS

Mohawk Industries
Eton, Georgia
GaiaTech Project No. 152194.300.00

Sample Location	Date Collected	Concentration, ug/l						
		1,1,1-TCA	1,1-DCA	1,1-DCE	cis-1,2-DCE	PCE	TCE	Vinyl Chloride
OW-8D	5/18/2005	ND	13	**8.5**	ND	6.5	ND	ND
	3/16/2011	ND	9	**11**	ND	**31**	ND	ND
	9/7/2012	ND	8.1	8.3	ND	17	ND	ND
	9/12/2013	ND	12.0	18.0	ND	**78**	ND	ND
OW-9	5/18/2005	ND	ND	ND	ND	ND	ND	ND
	3/16/2011	ND	ND	ND	ND	ND	ND	ND
	9/7/2012	ND	ND	ND	ND	ND	ND	ND
	2/25/2013	ND	ND	ND	ND	ND	ND	ND
	9/12/2013	ND	ND	ND	ND	ND	ND	ND
OW-10	2/25/2013	ND	ND	ND	ND	ND	ND	ND
	9/12/2013	ND	ND	ND	ND	ND	ND	ND
OW-11	2/25/2013	ND	ND	ND	ND	ND	ND	ND
	9/12/2013	ND	ND	ND	ND	ND	ND	ND
OW-12	2/25/2013	ND	ND	ND	ND	ND	ND	ND
	9/12/2013	ND	ND	ND	ND	ND	ND	ND
	3/18/2013	ND	ND	ND	ND	ND	ND	ND
OW-13	9/12/2013	Dry						
MWW-1	5/31/2002	ND	ND	ND	ND	**32**	ND	ND
	2/4/2003	ND	ND	ND	ND	ND	ND	ND
	6/25/2003	ND	ND	ND	ND	ND	ND	ND
	11/21/2003	ND	ND	ND	ND	ND	ND	ND
	3/4/2004	ND	ND	ND	ND	ND	ND	ND
	8/13/2004	ND	ND	ND	ND	13	ND	ND
	12/2/2004	ND	ND	ND	ND	13	ND	ND
	3/16/2011	ND	ND	ND	ND	ND	ND	ND
	9/7/2012	ND	ND	ND	ND	10	ND	ND
	9/12/2013	ND	ND	ND	ND	ND	ND	ND

NOTES:
ND - Not detected above laboratory detection limits.

ATTACHMENT 3

MONITORING WELL PURGING AND SAMPLING INFORMATION

Monitoring Well Purging & Sampling Information

Project: Diamond Rug and Carpet Mills (Mohawk) **Project No.:** 150314.421.00 **Date:** 9/21/13

Well Information

Well Identification No:	**OW-5**	Location:	Eton, Georgia
Well Diameter:	1-Inch	Well Construction:	Schedule 40 PVC

Total Well Depth from TOC:	28.00	feet
Depth to Water from TOC:	**24.71**	feet
Length of Static Water Column:	3.29	feet

Well Observations

General Condition of Well: Good — General Condition of surrounding area: Good

LNAPL observation: NA — Method of measure: NA

Volume of water in well = Height (Ht) of water in well x K

where: K =	0.04	(1-inch well)
	0.17	(2-inch well)
	0.571	(3-inch well)
	0.652	(4-inch well)

Volume of water in well (Ht. x K): **0.13** gallons/linear ft. (1 well volume) **0.39** gallons (3 well volumes)

Well Purging

Purging method: Peristaltic

Well Volumes	pH	Conductivity (ms/cm)	Dissolved Oxygen	Temperature (^{0}C)	ORP	Turbidity (NTUs)
Initial Reading	4.44	0.040	3.50	18.77	450	133
1	4.53	0.044	3.33	18.66	433	64
2						
2						
4						
5						
6						

Purged To Dryness: Purged dry after one well volume.

Sample Information

Method of sampling: Straw Method

Decontamination procedures: Dedicated, one time use sampling equipment per each well per sampling event. Non-disposal sampling equipment decontaminated per applicable USEPA SESD procedures.

Sample ID	Container	Preservative	Analyses
MI-0913-OW-5	2-40ML	HCL	VOCs via EPA Method 8260

Sample Transport and Preservation: Ice Filled Cooler

Sample Destination: Analytical Environmental Services, Inc. Via: Hand Delivery

Chain of Custody completed: Yes

GaiaTech Personnel: William H. Lucas & Michael H. Wilson

Monitoring Well Purging & Sampling Information

Project: Diamond Rug and Carpet Mills (Mohawk) **Project No.:** 150314.421.00 **Date:** 9/21/13

Well Information

Well Identification No:	**OW-2**	Location:	Eton, Georgia
Well Diameter:	1-Inch	Well Construction:	Schedule 40 PVC

Total Well Depth from TOC:	28.00	feet
Depth to Water from TOC:	**19.31**	feet
Length of Static Water Column:	8.69	feet

Well Observations

General Condition of Well: Good — General Condition of surrounding area: Good

LNAPL observation: NA — Method of measure: NA

Volume of water in well = Height (Ht) of water in well x K

where: K =	0.04	(1-inch well)
	0.17	(2-inch well)
	0.571	(3-inch well)
	0.652	(4-inch well)

Volume of water in well (Ht. x K):	**0.35**	gallons/linear ft.		**1.04**	gallons
		(1 well volume)			(3 well volumes)

Well Purging

Purging method: Peristaltic

Well Volumes	pH	Conductivity (ms/cm)	Dissolved Oxygen	Temperature (^{0}C)	ORP	Turbidity (NTUs)
Initial Reading	6.33	0.196	2.28	18.71	175	410
1	6.21	0.194	2.05	18.77	176	27
2						
2						
4						
5						
6						

Purged To Dryness: Purged dry after 1 well volume.

Sample Information

Method of sampling: Straw Method

Decontamination procedures: Dedicated, one time use sampling equipment per each well per sampling event. Non-disposal sampling equipment decontaminated per applicable USEPA SESD procedures.

Sample ID	Container	Preservative	Analyses
MI-0913-OW-2	2-40ML	HCL	VOCs via EPA Method 8260

Sample Transport and Preservation: Ice Filled Cooler

Sample Destination: Analytical Environmental Services, Inc. Via: Hand Delivery

Chain of Custody completed: Yes

GaiaTech Personnel: William H. Lucas & Michael H. Wilson

Monitoring Well Purging & Sampling Information

Project: Diamond Rug and Carpet Mills (Mohawk) **Project No.:** 150314.421.00 **Date:** 9/21/13

Well Information

Well Identification No:	**OW-7**	Location:	Eton, Georgia
Well Diameter:	2-Inch	Well Construction:	Schedule 40 PVC

Total Well Depth from TOC:	28.00	feet
Depth to Water from TOC:	**21.49**	feet
Length of Static Water Column:	6.51	feet

Well Observations

General Condition of Well: Good — General Condition of surrounding area: Good

LNAPL observation: NA — Method of measure: NA

Volume of water in well = Height (Ht) of water in well x K

where: K =	0.04	(1-inch well)
	0.17	(2-inch well)
	0.571	(3-inch well)
	0.652	(4-inch well)

Volume of water in well (Ht. x K): **0.26** gallons/linear ft. (1 well volume) **0.78** gallons (3 well volumes)

Well Purging

Purging method: Peristaltic

Well Volumes	pH	Conductivity (ms/cm)	Dissolved Oxygen	Temperature (^{0}C)	ORP	Turbidity (NTUs)
Initial Reading	5.69	0.307	7.80	18.07	293	5.8
1	5.69	0.297	4.60	17.86	292	3.7
2						
3						
4						
5						
6						

Purged To Dryness: Purged dry after one well volume.

Sample Information

Method of sampling: Straw Method

Decontamination procedures: Dedicated, one time use sampling equipment per each well per sampling event. Non-disposal sampling equipment decontaminated per applicable USEPA SESD procedures.

Sample ID	Container	Preservative	Analyses
MI-0913-OW-7	2 - 40 ml	HCL	Method 8260B Volatile Organics

Sample Transport and Preservation: Ice Filled Cooler

Sample Destination: Analytical Environmental Services, Inc. Via: Hand Delivery

Chain of Custody completed: Yes

GaiaTech Personnel: William H. Lucas & Michael H. Wilson

Monitoring Well Purging & Sampling Information

Project: Diamond Rug and Carpet Mills (Mohawk) **Project No.:** 150314.421.00 **Date:** 9/21/13

Well Information

Well Identification No:	**OW-8D**	Location:	Eton, Georgia
Well Diameter:	2-Inch	Well Construction:	Schedule 40 PVC

Total Well Depth from TOC:	48.82	feet
Depth to Water from TOC:	**36.96**	feet
Length of Static Water Column:	11.86	feet

Well Observations

General Condition of Well: Good — General Condition of surrounding area: Good

LNAPL observation: NA — Method of measure: NA

Volume of water in well = Height (Ht) of water in well x K

where: K =	0.04	(1-inch well)
	0.17	(2-inch well)
	0.571	(3-inch well)
	0.652	(4-inch well)

Volume of water in well (Ht. x K):	**0.47**	gallons/linear ft.		**1.42**	gallons
		(1 well volume)			(3 well volumes)

Well Purging

Purging method: Peristaltic

Well Volumes	pH	Conductivity (ms/cm)	Dissolved Oxygen	Temperature (^{0}C)	ORP	Turbidity (NTUs)
Initial Reading	4.97	0.024	1.87	22.39	299	977
1	4.77	0.022	1.64	21.97	274	654
2	4.62	0.023	0.85	21.46	290	33
3	4.66	0.022	0.88	21.50	277	56
4						
5						
6						

Purged To Dryness: Purged dry after 3 well volumes.

Sample Information

Method of sampling: Straw Method

Decontamination procedures: Dedicated, one time use sampling equipment per each well per sampling event. Non-disposal sampling equipment decontaminated per applicable USEPA SESD procedures.

Sample ID	Container	Preservative	Analyses
MI-0913-OW-8D	2 - 40 ml	HCL	Method 8260B Volatile Organics

Sample Transport and Preservation: Ice Filled Cooler

Sample Destination: Analytical Environmental Services, Inc. Via: Hand Delivery

Chain of Custody completed: Yes

GaiaTech Personnel: William H. Lucas & Michael H. Wilson

Monitoring Well Purging & Sampling Information

Project: Diamond Rug and Carpet Mills (Mohawk) **Project No.:** 150314.421.00 **Date:** 9/21/13

Well Information

Well Identification No:	**OW-9**	Location:	Eton, Georgia
Well Diameter:	1-Inch	Well Construction:	Schedule 40 PVC

Total Well Depth from TOC:	28.00	feet
Depth to Water from TOC:	**20.74**	feet
Length of Static Water Column:	7.26	feet

Well Observations

General Condition of Well: Good — General Condition of surrounding area: Good

LNAPL observation: NA — Method of measure: NA

Volume of water in well = Height (Ht) of water in well x K

where: K =	0.04	(1-inch well)
	0.17	(2-inch well)
	0.571	(3-inch well)
	0.652	(4-inch well)

Volume of water in well (Ht. x K):	**0.29**	gallons/linear ft.		**0.87**	gallons
		(1 well volume)			(3 well volumes)

Well Purging

Purging method: Peristaltic

Well Volumes	pH	Conductivity (ms/cm)	Dissolved Oxygen	Temperature (^{0}C)	ORP	Turbidity (NTUs)
Initial Reading	5.51	0.348	4.49	19.14	279	182
1	6.33	0.268	2.81	19.60	257	91.4
2	6.31	0.271	2.77	19.55	245	7.9
3	6.28	0.270	2.22	19.49	234	8.9
4						
5						
6						

Purged To Dryness: Purged dry after 3 well volumes

Sample Information

Method of sampling: Straw Method

Decontamination procedures: Dedicated, one time use sampling equipment per each well per sampling event. Non-disposal sampling equipment decontaminated per applicable USEPA SESD procedures.

Sample ID	Container	Preservative	Analyses
MI-0913-OW-9	2 - 40 ml	HCL	Method 8260B Volatile Organics

Sample Transport and Preservation: Ice Filled Cooler

Sample Destination: Analytical Environmental Services, Inc. Via: Hand Delivery

Chain of Custody completed: Yes

GaiaTech Personnel: William H. Lucas & Michael H. Wilson

Monitoring Well Purging and Development Information

Project: Diamond Rug and Carpet Mills (Mohawk) | **Project No.:** 150314.421.00 | **Date:** 9/21/13

Well Information

Well Identification No:	**OW-10**	Location:	Eton, Georgia
Well Diameter:	2-Inch	Well Construction:	Schedule 40 PVC

Total Well Depth from TOC:	45.00	feet
Depth to Water from TOC:	**37.55**	feet
Length of Static Water Column:	7.45	feet

Well Observations

General Condition of Well: Good — General Condition of surrounding area: Good

LNAPL observation: NA — Method of measure: NA

Volume of water in well = Height (Ht) of water in well x K

where: K =	0.04	(1-inch well)
	0.17	(2-inch well)
	0.571	(3-inch well)
	0.652	(4-inch well)

Volume of water in well (Ht. x K):	**1.27**	gallons/linear ft.		**3.80**	gallons
		(1 well volume)			(3 well volumes)

Well Purging

Purging method: Variable speed electric submersible well pump.

Well Volumes	pH	Conductivity (ms/cm)	Dissolved Oxygen	Temperature (^{0}C)	ORP	Turbidity (NTUs)
Initial Reading	5.69	0.179	2.07	19.2	186	446
1	5.70	0.181	2.13	19.08	187	98
2	5.69	0.180	2.21	18.98	184	9.9
3						
4						
5						
6						

Purged To Dryness: Purged dry after 2 well volumes.

Sample Information

Method of sampling:

Decontamination procedures: Dedicated, one time use sampling equipment per each well per sampling event. Non-disposal sampling equipment decontaminated per applicable USEPA SESD procedures.

Sample ID	Container	Preservative	Analyses
MI-0913-OW-10	2 - 40ML	HCL	VOCs via EPA Method 8260

Sample Transport and Preservation:

Sample Destination: — Via:

Chain of Custody completed:

GaiaTech Personnel: William H. Lucas & Michael H. Wilson

Monitoring Well Purging and Development Information

Project: Diamond Rug and Carpet Mills (Mohawk) **Project No.:** 150314.421.00 **Date:** 9/21/13

Well Information

Well Identification No: **OW-11** Location: Eton, Georgia

Well Diameter: 2-Inch Well Construction: Schedule 40 PVC

Total Well Depth from TOC: 30.00 feet

Depth to Water from TOC: **20.04** feet

Length of Static Water Column: 9.96 feet

Well Observations

General Condition of Well: Good General Condition of surrounding area: Good

LNAPL observation: NA Method of measure: NA

Volume of water in well = Height (Ht) of water in well x K

where: K = 0.04 (1-inch well)

0.17 (2-inch well)

0.571 (3-inch well)

0.652 (4-inch well)

Volume of water in well (Ht. x K): **1.69** gallons/linear ft. **5.08** gallons

(1 well volume) (3 well volumes)

Well Purging

Purging method: Variable speed electric submersible well pump.

Well Volumes	pH	Conductivity (ms/cm)	Dissolved Oxygen	Temperature (^{0}C)	ORP	Turbidity (NTUs)
Initial Reading	4.66	0.180	1.11	21.97	270	907
1	5.01	0.021	0.91	21.85	251	123
2	5.03	0.020	0.93	21.9	245	8
3	5.02	0.020	0.99	21.88	236	8.9
4						
5						
6						

Purged To Dryness:

Sample Information

Method of sampling:

Decontamination procedures: Dedicated, one time use sampling equipment per each well per sampling event. Non-disposal sampling equipment decontaminated per applicable USEPA SESD procedures.

Sample ID	Container	Preservative	Analyses
MI-0213-OW-11	2 - 40ML	HCL	VOCs via EPA Method 8260

Sample Transport and Preservation:

Sample Destination: Via:

Chain of Custody completed:

GaiaTech Personnel: William H. Lucas & Michael H. Wilson

Monitoring Well Purging and Development Information

Project: Diamond Rug and Carpet Mills (Mohawk) | **Project No.:** 150314.421.00 | **Date:** 9/21/13

Well Information

Well Identification No:	**OW-12**	Location:	Eton, Georgia
Well Diameter:	2-Inch	Well Construction:	Schedule 40 PVC

Total Well Depth from TOC:	30.00	feet
Depth to Water from TOC:	**26.11**	feet
Length of Static Water Column:	3.89	feet

Well Observations

General Condition of Well: Good — General Condition of surrounding area: Good

LNAPL observation: NA — Method of measure: NA

Volume of water in well = Height (Ht) of water in well x K

where: K =	0.04	(1-inch well)
	0.17	(2-inch well)
	0.571	(3-inch well)
	0.652	(4-inch well)

Volume of water in well (Ht. x K):	**0.66**	gallons/linear ft.		**1.98**	gallons
		(1 well volume)			(3 well volumes)

Well Purging

Purging method: Variable speed electric submersible well pump.

Well Volumes	pH	Conductivity (ms/cm)	Dissolved Oxygen	Temperature (^{0}C)	ORP	Turbidity (NTUs)
Initial Reading	5.56	0.356	3.47	17.5	130	165
1	5.44	0.343	3.65	17.53	131	64
2	5.41	0.345	3.17	17.51	126	8.6
3						
4						
5						
6						

Purged To Dryness: Purged dry after 2 well volumes

Sample Information

Method of sampling:

Decontamination procedures: Dedicated, one time use sampling equipment per each well per sampling event. Non-disposal sampling equipment decontaminated per applicable USEPA SESD procedures.

Sample ID	Container	Preservative	Analyses
MI-0913-OW-12	2 - 40ML	HCL	VOCs via EPA Method 8260

Sample Transport and Preservation:

Sample Destination: — Via:

Chain of Custody completed:

GaiaTech Personnel: William H. Lucas & Michael H. Wilson

Monitoring Well Purging and Development Information

Project: Diamond Rug and Carpet Mills (Mohawk) | **Project No.:** 150314.421.00 | **Date:** 9/21/13

Well Information

Well Identification No:	**MWW-1**	Location:	Eton, Georgia
Well Diameter:	2-Inch	Well Construction:	Schedule 40 PVC

Total Well Depth from TOC:	35.00	feet
Depth to Water from TOC:	**23.77**	feet
Length of Static Water Column:	11.23	feet

Well Observations

General Condition of Well: Good — General Condition of surrounding area: Good

LNAPL observation: NA — Method of measure: NA

Volume of water in well = Height (Ht) of water in well x K

where: K =	0.04	(1-inch well)
	0.17	(2-inch well)
	0.571	(3-inch well)
	0.652	(4-inch well)

Volume of water in well (Ht. x K):	**1.91**	gallons/linear ft.		**5.73**	gallons
		(1 well volume)			(3 well volumes)

Well Purging

Purging method: Variable speed electric submersible well pump.

Well Volumes	pH	Conductivity (ms/cm)	Dissolved Oxygen	Temperature (^{0}C)	ORP	Turbidity (NTUs)
Initial Reading	5.65	0.356	6.18	18.69	274	288
1	5.97	0.348	4.49	19.14	279	182
2	6.24	0.282	2.55	19.76	261	110
3	6.20	0.285	2.45	19.70	255	44
4						
5						
6						

Purged To Dryness: Purged dry after 3 well volumes.

Sample Information

Method of sampling:

Decontamination procedures: Dedicated, one time use sampling equipment per each well per sampling event. Non-disposal sampling equipment decontaminated per applicable USEPA SESD procedures.

Sample ID	Container	Preservative	Analyses
MI-0913-OW-MWW-1	2 - 40ML	HCL	VOCs via EPA Method 8260

Sample Transport and Preservation:

Sample Destination: — Via:

Chain of Custody completed:

GaiaTech Personnel: William H. Lucas & Michael H. Wilson

ATTACHMENT 4

LABORATORY ANALYTICAL DATA REPORTS

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

September 20, 2013

Mike Wilson
GaiaTech, Inc.
3525 Piedmont Rd. NE
Atlanta GA 30305

TEL: (404) 812-0001
FAX: (404) 812-1992

RE: Mohawk

Dear Mike Wilson: Order No: 1309804

Analytical Environmental Services, Inc. received 11 samples on 9/13/2013 9:50:00 AM for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.
AES' certifications are as follows:
-NELAC/Florida Certification number E87582 for analysis of Environmental Water, soil/hazardous waste, and Drinking Water Microbiology, effective 07/01/13-06/30/14.
-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Inorganics), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) effective until 09/01/15.

These results relate only to the items tested. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

Dorothy deBruyn
Project Manager

ANALYTICAL ENVIRONMENTAL SERVICES, INC
3785 Presidential Parkway, Atlanta GA 30340-3704
AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1309804

Date: _____ Page 1 of 1

COMPANY: GAIATECH, INC.
ADDRESS: ATLANTA, GA
PHONE:
FAX:
SAMPLED BY: WHC / MHW
SIGNATURE:

ANALYSIS REQUESTED

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	VOCs-8260	PRESERVATION (See codes) H+I	REMARKS	No # of Containers
1	MI-0913-OW2	9/12/13	1305	X		GW	X	X		2
2	MI-0913-OW5	9/12/13	1845	X		GW	X	X		2
3	MI-0913-OW7	9/12/13	1415	X		GW	X	X		2
4	MI-0913-OW8D	9/12/13	1600	X		GW	X	X		2
5	MI-0913-OW9	9/12/13	1320	X		GW	X	X		2
6	MI-0913-OW10	9/12/13	1700	X		GW	X	X		2
7	MI-0913-OW11	9/12/13	1610	X		GW	X	X		2
8	MI-0913-OW12	9/12/13	1800	X		GW	X	X		2
9	MI-0913-OW13	—	—	X		GW	X	X	NO SAMPLE	X
10	MI-0913-MWW1	9/12/13	1430	X		GW	X	X		2
11	MI-0913-OW12(DUP)	9/12/13	1805	X		GW	X	X		2
12	TRIP BLANK	—	—	X		W	X	X		2
13										
14										

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1: MHW	9-13-13 0950	1:	9/13/13 9:50
2:		2:	
3:		3:	

PROJECT INFORMATION
PROJECT NAME: MOHAWK
PROJECT #:
SITE ADDRESS: ETON, GA
SEND REPORT TO: MIKE WILSON
INVOICE TO: (IF DIFFERENT FROM ABOVE)
QUOTE #: _____ PO#: _____

RECEIPT
Total # of Containers: 22

Turnaround Time Request
- (●) Standard 5 Business Days
- ( ) 2 Business Day Rush
- ( ) Next Business Day Rush
- ( ) Same Day Rush (auth req.)
- ( ) Other _____

STATE PROGRAM (if any): _____
E-mail? (Y) N; Fax? Y (N)
DATA PACKAGE: I II III IV

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD
OUT / / VIA:
IN / / VIA:
(CLIENT) FedEx UPS MAIL COURIER
GREYHOUND OTHER_____

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES.
SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water
PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

Analytical Environmental Services, Inc **Date:** 20-Sep-13

Client:	GaiaTech, Inc.	**Client Sample ID:**	MI-0913-OW2
Project Name:	Mohawk	**Collection Date:**	9/12/2013 1:05:00 PM
Lab ID:	1309804-001	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	181211	1	09/18/2013 16:39	AK
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	181211	1	09/18/2013 16:39	AK
1,1,2-Trichloroethane	BRL	5.0		ug/L	181211	1	09/18/2013 16:39	AK
1,1-Dichloroethane	BRL	5.0		ug/L	181211	1	09/18/2013 16:39	AK
1,1-Dichloroethene	BRL	5.0		ug/L	181211	1	09/18/2013 16:39	AK
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	181211	1	09/18/2013 16:39	AK
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	181211	1	09/18/2013 16:39	AK
1,2-Dibromoethane	BRL	5.0		ug/L	181211	1	09/18/2013 16:39	AK
1,2-Dichlorobenzene	BRL	5.0		ug/L	181211	1	09/18/2013 16:39	AK
1,2-Dichloroethane	BRL	5.0		ug/L	181211	1	09/18/2013 16:39	AK
1,2-Dichloropropane	BRL	5.0		ug/L	181211	1	09/18/2013 16:39	AK
1,3-Dichlorobenzene	BRL	5.0		ug/L	181211	1	09/18/2013 16:39	AK
1,4-Dichlorobenzene	BRL	5.0		ug/L	181211	1	09/18/2013 16:39	AK
2-Butanone	BRL	50		ug/L	181211	1	09/18/2013 16:39	AK
2-Hexanone	BRL	10		ug/L	181211	1	09/18/2013 16:39	AK
4-Methyl-2-pentanone	BRL	10		ug/L	181211	1	09/18/2013 16:39	AK
Acetone	BRL	50		ug/L	181211	1	09/18/2013 16:39	AK
Benzene	BRL	5.0		ug/L	181211	1	09/18/2013 16:39	AK
Bromodichloromethane	BRL	5.0		ug/L	181211	1	09/18/2013 16:39	AK
Bromoform	BRL	5.0		ug/L	181211	1	09/18/2013 16:39	AK
Bromomethane	BRL	5.0		ug/L	181211	1	09/18/2013 16:39	AK
Carbon disulfide	BRL	5.0		ug/L	181211	1	09/18/2013 16:39	AK
Carbon tetrachloride	BRL	5.0		ug/L	181211	1	09/18/2013 16:39	AK
Chlorobenzene	BRL	5.0		ug/L	181211	1	09/18/2013 16:39	AK
Chloroethane	BRL	10		ug/L	181211	1	09/18/2013 16:39	AK
Chloroform	BRL	5.0		ug/L	181211	1	09/18/2013 16:39	AK
Chloromethane	BRL	10		ug/L	181211	1	09/18/2013 16:39	AK
cis-1,2-Dichloroethene	BRL	5.0		ug/L	181211	1	09/18/2013 16:39	AK
cis-1,3-Dichloropropene	BRL	5.0		ug/L	181211	1	09/18/2013 16:39	AK
Cyclohexane	BRL	5.0		ug/L	181211	1	09/18/2013 16:39	AK
Dibromochloromethane	BRL	5.0		ug/L	181211	1	09/18/2013 16:39	AK
Dichlorodifluoromethane	BRL	10		ug/L	181211	1	09/18/2013 16:39	AK
Ethylbenzene	BRL	5.0		ug/L	181211	1	09/18/2013 16:39	AK
Freon-113	BRL	10		ug/L	181211	1	09/18/2013 16:39	AK
Isopropylbenzene	BRL	5.0		ug/L	181211	1	09/18/2013 16:39	AK
m,p-Xylene	BRL	5.0		ug/L	181211	1	09/18/2013 16:39	AK
Methyl acetate	BRL	5.0		ug/L	181211	1	09/18/2013 16:39	AK
Methyl tert-butyl ether	BRL	5.0		ug/L	181211	1	09/18/2013 16:39	AK
Methylcyclohexane	BRL	5.0		ug/L	181211	1	09/18/2013 16:39	AK
Methylene chloride	BRL	5.0		ug/L	181211	1	09/18/2013 16:39	AK
o-Xylene	BRL	5.0		ug/L	181211	1	09/18/2013 16:39	AK

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 20-Sep-13

Client:	GaiaTech, Inc.	**Client Sample ID:**	MI-0913-OW2
Project Name:	Mohawk	**Collection Date:**	9/12/2013 1:05:00 PM
Lab ID:	1309804-001	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	181211	1	09/18/2013 16:39	AK
Tetrachloroethene	BRL	5.0		ug/L	181211	1	09/18/2013 16:39	AK
Toluene	BRL	5.0		ug/L	181211	1	09/18/2013 16:39	AK
trans-1,2-Dichloroethene	BRL	5.0		ug/L	181211	1	09/18/2013 16:39	AK
trans-1,3-Dichloropropene	BRL	5.0		ug/L	181211	1	09/18/2013 16:39	AK
Trichloroethene	BRL	5.0		ug/L	181211	1	09/18/2013 16:39	AK
Trichlorofluoromethane	BRL	5.0		ug/L	181211	1	09/18/2013 16:39	AK
Vinyl chloride	BRL	2.0		ug/L	181211	1	09/18/2013 16:39	AK
Surr: 4-Bromofluorobenzene	89.6	64.6-123		%REC	181211	1	09/18/2013 16:39	AK
Surr: Dibromofluoromethane	107	76.6-133		%REC	181211	1	09/18/2013 16:39	AK
Surr: Toluene-d8	99.9	77.8-120		%REC	181211	1	09/18/2013 16:39	AK

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 20-Sep-13

Client:	GaiaTech, Inc.	**Client Sample ID:**	MI-0913-OW5
Project Name:	Mohawk	**Collection Date:**	9/12/2013 6:45:00 PM
Lab ID:	1309804-002	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	181211	1	09/18/2013 17:07	AK
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	181211	1	09/18/2013 17:07	AK
1,1,2-Trichloroethane	BRL	5.0		ug/L	181211	1	09/18/2013 17:07	AK
1,1-Dichloroethane	BRL	5.0		ug/L	181211	1	09/18/2013 17:07	AK
1,1-Dichloroethene	BRL	5.0		ug/L	181211	1	09/18/2013 17:07	AK
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	181211	1	09/18/2013 17:07	AK
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	181211	1	09/18/2013 17:07	AK
1,2-Dibromoethane	BRL	5.0		ug/L	181211	1	09/18/2013 17:07	AK
1,2-Dichlorobenzene	BRL	5.0		ug/L	181211	1	09/18/2013 17:07	AK
1,2-Dichloroethane	BRL	5.0		ug/L	181211	1	09/18/2013 17:07	AK
1,2-Dichloropropane	BRL	5.0		ug/L	181211	1	09/18/2013 17:07	AK
1,3-Dichlorobenzene	BRL	5.0		ug/L	181211	1	09/18/2013 17:07	AK
1,4-Dichlorobenzene	BRL	5.0		ug/L	181211	1	09/18/2013 17:07	AK
2-Butanone	BRL	50		ug/L	181211	1	09/18/2013 17:07	AK
2-Hexanone	BRL	10		ug/L	181211	1	09/18/2013 17:07	AK
4-Methyl-2-pentanone	BRL	10		ug/L	181211	1	09/18/2013 17:07	AK
Acetone	BRL	50		ug/L	181211	1	09/18/2013 17:07	AK
Benzene	BRL	5.0		ug/L	181211	1	09/18/2013 17:07	AK
Bromodichloromethane	BRL	5.0		ug/L	181211	1	09/18/2013 17:07	AK
Bromoform	BRL	5.0		ug/L	181211	1	09/18/2013 17:07	AK
Bromomethane	BRL	5.0		ug/L	181211	1	09/18/2013 17:07	AK
Carbon disulfide	BRL	5.0		ug/L	181211	1	09/18/2013 17:07	AK
Carbon tetrachloride	BRL	5.0		ug/L	181211	1	09/18/2013 17:07	AK
Chlorobenzene	BRL	5.0		ug/L	181211	1	09/18/2013 17:07	AK
Chloroethane	BRL	10		ug/L	181211	1	09/18/2013 17:07	AK
Chloroform	BRL	5.0		ug/L	181211	1	09/18/2013 17:07	AK
Chloromethane	BRL	10		ug/L	181211	1	09/18/2013 17:07	AK
cis-1,2-Dichloroethene	BRL	5.0		ug/L	181211	1	09/18/2013 17:07	AK
cis-1,3-Dichloropropene	BRL	5.0		ug/L	181211	1	09/18/2013 17:07	AK
Cyclohexane	BRL	5.0		ug/L	181211	1	09/18/2013 17:07	AK
Dibromochloromethane	BRL	5.0		ug/L	181211	1	09/18/2013 17:07	AK
Dichlorodifluoromethane	BRL	10		ug/L	181211	1	09/18/2013 17:07	AK
Ethylbenzene	BRL	5.0		ug/L	181211	1	09/18/2013 17:07	AK
Freon-113	BRL	10		ug/L	181211	1	09/18/2013 17:07	AK
Isopropylbenzene	BRL	5.0		ug/L	181211	1	09/18/2013 17:07	AK
m,p-Xylene	BRL	5.0		ug/L	181211	1	09/18/2013 17:07	AK
Methyl acetate	BRL	5.0		ug/L	181211	1	09/18/2013 17:07	AK
Methyl tert-butyl ether	BRL	5.0		ug/L	181211	1	09/18/2013 17:07	AK
Methylcyclohexane	BRL	5.0		ug/L	181211	1	09/18/2013 17:07	AK
Methylene chloride	BRL	5.0		ug/L	181211	1	09/18/2013 17:07	AK
o-Xylene	BRL	5.0		ug/L	181211	1	09/18/2013 17:07	AK

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 20-Sep-13

Client:	GaiaTech, Inc.	**Client Sample ID:**	MI-0913-OW5
Project Name:	Mohawk	**Collection Date:**	9/12/2013 6:45:00 PM
Lab ID:	1309804-002	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	181211	1	09/18/2013 17:07	AK
Tetrachloroethene	BRL	5.0		ug/L	181211	1	09/18/2013 17:07	AK
Toluene	BRL	5.0		ug/L	181211	1	09/18/2013 17:07	AK
trans-1,2-Dichloroethene	BRL	5.0		ug/L	181211	1	09/18/2013 17:07	AK
trans-1,3-Dichloropropene	BRL	5.0		ug/L	181211	1	09/18/2013 17:07	AK
Trichloroethene	BRL	5.0		ug/L	181211	1	09/18/2013 17:07	AK
Trichlorofluoromethane	BRL	5.0		ug/L	181211	1	09/18/2013 17:07	AK
Vinyl chloride	BRL	2.0		ug/L	181211	1	09/18/2013 17:07	AK
Surr: 4-Bromofluorobenzene	86.6	64.6-123		%REC	181211	1	09/18/2013 17:07	AK
Surr: Dibromofluoromethane	109	76.6-133		%REC	181211	1	09/18/2013 17:07	AK
Surr: Toluene-d8	99.2	77.8-120		%REC	181211	1	09/18/2013 17:07	AK

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 20-Sep-13

Client:	GaiaTech, Inc.	**Client Sample ID:**	MI-0913-OW7
Project Name:	Mohawk	**Collection Date:**	9/12/2013 2:15:00 PM
Lab ID:	1309804-003	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	181211	1	09/18/2013 17:35	AK
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	181211	1	09/18/2013 17:35	AK
1,1,2-Trichloroethane	BRL	5.0		ug/L	181211	1	09/18/2013 17:35	AK
1,1-Dichloroethane	BRL	5.0		ug/L	181211	1	09/18/2013 17:35	AK
1,1-Dichloroethene	BRL	5.0		ug/L	181211	1	09/18/2013 17:35	AK
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	181211	1	09/18/2013 17:35	AK
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	181211	1	09/18/2013 17:35	AK
1,2-Dibromoethane	BRL	5.0		ug/L	181211	1	09/18/2013 17:35	AK
1,2-Dichlorobenzene	BRL	5.0		ug/L	181211	1	09/18/2013 17:35	AK
1,2-Dichloroethane	BRL	5.0		ug/L	181211	1	09/18/2013 17:35	AK
1,2-Dichloropropane	BRL	5.0		ug/L	181211	1	09/18/2013 17:35	AK
1,3-Dichlorobenzene	BRL	5.0		ug/L	181211	1	09/18/2013 17:35	AK
1,4-Dichlorobenzene	BRL	5.0		ug/L	181211	1	09/18/2013 17:35	AK
2-Butanone	BRL	50		ug/L	181211	1	09/18/2013 17:35	AK
2-Hexanone	BRL	10		ug/L	181211	1	09/18/2013 17:35	AK
4-Methyl-2-pentanone	BRL	10		ug/L	181211	1	09/18/2013 17:35	AK
Acetone	BRL	50		ug/L	181211	1	09/18/2013 17:35	AK
Benzene	BRL	5.0		ug/L	181211	1	09/18/2013 17:35	AK
Bromodichloromethane	BRL	5.0		ug/L	181211	1	09/18/2013 17:35	AK
Bromoform	BRL	5.0		ug/L	181211	1	09/18/2013 17:35	AK
Bromomethane	BRL	5.0		ug/L	181211	1	09/18/2013 17:35	AK
Carbon disulfide	BRL	5.0		ug/L	181211	1	09/18/2013 17:35	AK
Carbon tetrachloride	BRL	5.0		ug/L	181211	1	09/18/2013 17:35	AK
Chlorobenzene	BRL	5.0		ug/L	181211	1	09/18/2013 17:35	AK
Chloroethane	BRL	10		ug/L	181211	1	09/18/2013 17:35	AK
Chloroform	BRL	5.0		ug/L	181211	1	09/18/2013 17:35	AK
Chloromethane	BRL	10		ug/L	181211	1	09/18/2013 17:35	AK
cis-1,2-Dichloroethene	BRL	5.0		ug/L	181211	1	09/18/2013 17:35	AK
cis-1,3-Dichloropropene	BRL	5.0		ug/L	181211	1	09/18/2013 17:35	AK
Cyclohexane	BRL	5.0		ug/L	181211	1	09/18/2013 17:35	AK
Dibromochloromethane	BRL	5.0		ug/L	181211	1	09/18/2013 17:35	AK
Dichlorodifluoromethane	BRL	10		ug/L	181211	1	09/18/2013 17:35	AK
Ethylbenzene	BRL	5.0		ug/L	181211	1	09/18/2013 17:35	AK
Freon-113	BRL	10		ug/L	181211	1	09/18/2013 17:35	AK
Isopropylbenzene	BRL	5.0		ug/L	181211	1	09/18/2013 17:35	AK
m,p-Xylene	BRL	5.0		ug/L	181211	1	09/18/2013 17:35	AK
Methyl acetate	BRL	5.0		ug/L	181211	1	09/18/2013 17:35	AK
Methyl tert-butyl ether	BRL	5.0		ug/L	181211	1	09/18/2013 17:35	AK
Methylcyclohexane	BRL	5.0		ug/L	181211	1	09/18/2013 17:35	AK
Methylene chloride	BRL	5.0		ug/L	181211	1	09/18/2013 17:35	AK
o-Xylene	BRL	5.0		ug/L	181211	1	09/18/2013 17:35	AK

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 20-Sep-13

Client:	GaiaTech, Inc.	**Client Sample ID:**	MI-0913-OW7
Project Name:	Mohawk	**Collection Date:**	9/12/2013 2:15:00 PM
Lab ID:	1309804-003	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	181211	1	09/18/2013 17:35	AK
Tetrachloroethene	BRL	5.0		ug/L	181211	1	09/18/2013 17:35	AK
Toluene	BRL	5.0		ug/L	181211	1	09/18/2013 17:35	AK
trans-1,2-Dichloroethene	BRL	5.0		ug/L	181211	1	09/18/2013 17:35	AK
trans-1,3-Dichloropropene	BRL	5.0		ug/L	181211	1	09/18/2013 17:35	AK
Trichloroethene	BRL	5.0		ug/L	181211	1	09/18/2013 17:35	AK
Trichlorofluoromethane	BRL	5.0		ug/L	181211	1	09/18/2013 17:35	AK
Vinyl chloride	BRL	2.0		ug/L	181211	1	09/18/2013 17:35	AK
Surr: 4-Bromofluorobenzene	87.7	64.6-123		%REC	181211	1	09/18/2013 17:35	AK
Surr: Dibromofluoromethane	107	76.6-133		%REC	181211	1	09/18/2013 17:35	AK
Surr: Toluene-d8	100	77.8-120		%REC	181211	1	09/18/2013 17:35	AK

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 20-Sep-13

Client:	GaiaTech, Inc.	**Client Sample ID:**	MI-0913-OW8D
Project Name:	Mohawk	**Collection Date:**	9/12/2013 4:00:00 PM
Lab ID:	1309804-004	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	181211	1	09/18/2013 18:04	AK
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	181211	1	09/18/2013 18:04	AK
1,1,2-Trichloroethane	BRL	5.0		ug/L	181211	1	09/18/2013 18:04	AK
1,1-Dichloroethane	12	5.0		ug/L	181211	1	09/18/2013 18:04	AK
1,1-Dichloroethene	18	5.0		ug/L	181211	1	09/18/2013 18:04	AK
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	181211	1	09/18/2013 18:04	AK
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	181211	1	09/18/2013 18:04	AK
1,2-Dibromoethane	BRL	5.0		ug/L	181211	1	09/18/2013 18:04	AK
1,2-Dichlorobenzene	BRL	5.0		ug/L	181211	1	09/18/2013 18:04	AK
1,2-Dichloroethane	BRL	5.0		ug/L	181211	1	09/18/2013 18:04	AK
1,2-Dichloropropane	BRL	5.0		ug/L	181211	1	09/18/2013 18:04	AK
1,3-Dichlorobenzene	BRL	5.0		ug/L	181211	1	09/18/2013 18:04	AK
1,4-Dichlorobenzene	BRL	5.0		ug/L	181211	1	09/18/2013 18:04	AK
2-Butanone	BRL	50		ug/L	181211	1	09/18/2013 18:04	AK
2-Hexanone	BRL	10		ug/L	181211	1	09/18/2013 18:04	AK
4-Methyl-2-pentanone	BRL	10		ug/L	181211	1	09/18/2013 18:04	AK
Acetone	BRL	50		ug/L	181211	1	09/18/2013 18:04	AK
Benzene	BRL	5.0		ug/L	181211	1	09/18/2013 18:04	AK
Bromodichloromethane	BRL	5.0		ug/L	181211	1	09/18/2013 18:04	AK
Bromoform	BRL	5.0		ug/L	181211	1	09/18/2013 18:04	AK
Bromomethane	BRL	5.0		ug/L	181211	1	09/18/2013 18:04	AK
Carbon disulfide	BRL	5.0		ug/L	181211	1	09/18/2013 18:04	AK
Carbon tetrachloride	BRL	5.0		ug/L	181211	1	09/18/2013 18:04	AK
Chlorobenzene	BRL	5.0		ug/L	181211	1	09/18/2013 18:04	AK
Chloroethane	BRL	10		ug/L	181211	1	09/18/2013 18:04	AK
Chloroform	BRL	5.0		ug/L	181211	1	09/18/2013 18:04	AK
Chloromethane	BRL	10		ug/L	181211	1	09/18/2013 18:04	AK
cis-1,2-Dichloroethene	BRL	5.0		ug/L	181211	1	09/18/2013 18:04	AK
cis-1,3-Dichloropropene	BRL	5.0		ug/L	181211	1	09/18/2013 18:04	AK
Cyclohexane	BRL	5.0		ug/L	181211	1	09/18/2013 18:04	AK
Dibromochloromethane	BRL	5.0		ug/L	181211	1	09/18/2013 18:04	AK
Dichlorodifluoromethane	BRL	10		ug/L	181211	1	09/18/2013 18:04	AK
Ethylbenzene	BRL	5.0		ug/L	181211	1	09/18/2013 18:04	AK
Freon-113	BRL	10		ug/L	181211	1	09/18/2013 18:04	AK
Isopropylbenzene	BRL	5.0		ug/L	181211	1	09/18/2013 18:04	AK
m,p-Xylene	BRL	5.0		ug/L	181211	1	09/18/2013 18:04	AK
Methyl acetate	BRL	5.0		ug/L	181211	1	09/18/2013 18:04	AK
Methyl tert-butyl ether	BRL	5.0		ug/L	181211	1	09/18/2013 18:04	AK
Methylcyclohexane	BRL	5.0		ug/L	181211	1	09/18/2013 18:04	AK
Methylene chloride	BRL	5.0		ug/L	181211	1	09/18/2013 18:04	AK
o-Xylene	BRL	5.0		ug/L	181211	1	09/18/2013 18:04	AK

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 20-Sep-13

Client:	GaiaTech, Inc.	**Client Sample ID:**	MI-0913-OW8D
Project Name:	Mohawk	**Collection Date:**	9/12/2013 4:00:00 PM
Lab ID:	1309804-004	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	181211	1	09/18/2013 18:04	AK
Tetrachloroethene	78	5.0		ug/L	181211	1	09/18/2013 18:04	AK
Toluene	BRL	5.0		ug/L	181211	1	09/18/2013 18:04	AK
trans-1,2-Dichloroethene	BRL	5.0		ug/L	181211	1	09/18/2013 18:04	AK
trans-1,3-Dichloropropene	BRL	5.0		ug/L	181211	1	09/18/2013 18:04	AK
Trichloroethene	BRL	5.0		ug/L	181211	1	09/18/2013 18:04	AK
Trichlorofluoromethane	BRL	5.0		ug/L	181211	1	09/18/2013 18:04	AK
Vinyl chloride	BRL	2.0		ug/L	181211	1	09/18/2013 18:04	AK
Surr: 4-Bromofluorobenzene	88.4	64.6-123		%REC	181211	1	09/18/2013 18:04	AK
Surr: Dibromofluoromethane	108	76.6-133		%REC	181211	1	09/18/2013 18:04	AK
Surr: Toluene-d8	109	77.8-120		%REC	181211	1	09/18/2013 18:04	AK

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 20-Sep-13

Client:	GaiaTech, Inc.	**Client Sample ID:**	MI-0913-OW9
Project Name:	Mohawk	**Collection Date:**	9/12/2013 1:20:00 PM
Lab ID:	1309804-005	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	181211	1	09/18/2013 18:32	AK
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	181211	1	09/18/2013 18:32	AK
1,1,2-Trichloroethane	BRL	5.0		ug/L	181211	1	09/18/2013 18:32	AK
1,1-Dichloroethane	BRL	5.0		ug/L	181211	1	09/18/2013 18:32	AK
1,1-Dichloroethene	BRL	5.0		ug/L	181211	1	09/18/2013 18:32	AK
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	181211	1	09/18/2013 18:32	AK
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	181211	1	09/18/2013 18:32	AK
1,2-Dibromoethane	BRL	5.0		ug/L	181211	1	09/18/2013 18:32	AK
1,2-Dichlorobenzene	BRL	5.0		ug/L	181211	1	09/18/2013 18:32	AK
1,2-Dichloroethane	BRL	5.0		ug/L	181211	1	09/18/2013 18:32	AK
1,2-Dichloropropane	BRL	5.0		ug/L	181211	1	09/18/2013 18:32	AK
1,3-Dichlorobenzene	BRL	5.0		ug/L	181211	1	09/18/2013 18:32	AK
1,4-Dichlorobenzene	BRL	5.0		ug/L	181211	1	09/18/2013 18:32	AK
2-Butanone	BRL	50		ug/L	181211	1	09/18/2013 18:32	AK
2-Hexanone	BRL	10		ug/L	181211	1	09/18/2013 18:32	AK
4-Methyl-2-pentanone	BRL	10		ug/L	181211	1	09/18/2013 18:32	AK
Acetone	BRL	50		ug/L	181211	1	09/18/2013 18:32	AK
Benzene	BRL	5.0		ug/L	181211	1	09/18/2013 18:32	AK
Bromodichloromethane	BRL	5.0		ug/L	181211	1	09/18/2013 18:32	AK
Bromoform	BRL	5.0		ug/L	181211	1	09/18/2013 18:32	AK
Bromomethane	BRL	5.0		ug/L	181211	1	09/18/2013 18:32	AK
Carbon disulfide	BRL	5.0		ug/L	181211	1	09/18/2013 18:32	AK
Carbon tetrachloride	BRL	5.0		ug/L	181211	1	09/18/2013 18:32	AK
Chlorobenzene	BRL	5.0		ug/L	181211	1	09/18/2013 18:32	AK
Chloroethane	BRL	10		ug/L	181211	1	09/18/2013 18:32	AK
Chloroform	BRL	5.0		ug/L	181211	1	09/18/2013 18:32	AK
Chloromethane	BRL	10		ug/L	181211	1	09/18/2013 18:32	AK
cis-1,2-Dichloroethene	BRL	5.0		ug/L	181211	1	09/18/2013 18:32	AK
cis-1,3-Dichloropropene	BRL	5.0		ug/L	181211	1	09/18/2013 18:32	AK
Cyclohexane	BRL	5.0		ug/L	181211	1	09/18/2013 18:32	AK
Dibromochloromethane	BRL	5.0		ug/L	181211	1	09/18/2013 18:32	AK
Dichlorodifluoromethane	BRL	10		ug/L	181211	1	09/18/2013 18:32	AK
Ethylbenzene	BRL	5.0		ug/L	181211	1	09/18/2013 18:32	AK
Freon-113	BRL	10		ug/L	181211	1	09/18/2013 18:32	AK
Isopropylbenzene	BRL	5.0		ug/L	181211	1	09/18/2013 18:32	AK
m,p-Xylene	BRL	5.0		ug/L	181211	1	09/18/2013 18:32	AK
Methyl acetate	BRL	5.0		ug/L	181211	1	09/18/2013 18:32	AK
Methyl tert-butyl ether	BRL	5.0		ug/L	181211	1	09/18/2013 18:32	AK
Methylcyclohexane	BRL	5.0		ug/L	181211	1	09/18/2013 18:32	AK
Methylene chloride	BRL	5.0		ug/L	181211	1	09/18/2013 18:32	AK
o-Xylene	BRL	5.0		ug/L	181211	1	09/18/2013 18:32	AK

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 20-Sep-13

Client:	GaiaTech, Inc.	**Client Sample ID:**	MI-0913-OW9
Project Name:	Mohawk	**Collection Date:**	9/12/2013 1:20:00 PM
Lab ID:	1309804-005	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	181211	1	09/18/2013 18:32	AK
Tetrachloroethene	BRL	5.0		ug/L	181211	1	09/18/2013 18:32	AK
Toluene	BRL	5.0		ug/L	181211	1	09/18/2013 18:32	AK
trans-1,2-Dichloroethene	BRL	5.0		ug/L	181211	1	09/18/2013 18:32	AK
trans-1,3-Dichloropropene	BRL	5.0		ug/L	181211	1	09/18/2013 18:32	AK
Trichloroethene	BRL	5.0		ug/L	181211	1	09/18/2013 18:32	AK
Trichlorofluoromethane	BRL	5.0		ug/L	181211	1	09/18/2013 18:32	AK
Vinyl chloride	BRL	2.0		ug/L	181211	1	09/18/2013 18:32	AK
Surr: 4-Bromofluorobenzene	85.8	64.6-123		%REC	181211	1	09/18/2013 18:32	AK
Surr: Dibromofluoromethane	112	76.6-133		%REC	181211	1	09/18/2013 18:32	AK
Surr: Toluene-d8	104	77.8-120		%REC	181211	1	09/18/2013 18:32	AK

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 20-Sep-13

Client:	GaiaTech, Inc.	**Client Sample ID:**	MI-0913-OW10
Project Name:	Mohawk	**Collection Date:**	9/12/2013 12:00:00 PM
Lab ID:	1309804-006	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	181211	1	09/18/2013 19:00	AK
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	181211	1	09/18/2013 19:00	AK
1,1,2-Trichloroethane	BRL	5.0		ug/L	181211	1	09/18/2013 19:00	AK
1,1-Dichloroethane	BRL	5.0		ug/L	181211	1	09/18/2013 19:00	AK
1,1-Dichloroethene	BRL	5.0		ug/L	181211	1	09/18/2013 19:00	AK
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	181211	1	09/18/2013 19:00	AK
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	181211	1	09/18/2013 19:00	AK
1,2-Dibromoethane	BRL	5.0		ug/L	181211	1	09/18/2013 19:00	AK
1,2-Dichlorobenzene	BRL	5.0		ug/L	181211	1	09/18/2013 19:00	AK
1,2-Dichloroethane	BRL	5.0		ug/L	181211	1	09/18/2013 19:00	AK
1,2-Dichloropropane	BRL	5.0		ug/L	181211	1	09/18/2013 19:00	AK
1,3-Dichlorobenzene	BRL	5.0		ug/L	181211	1	09/18/2013 19:00	AK
1,4-Dichlorobenzene	BRL	5.0		ug/L	181211	1	09/18/2013 19:00	AK
2-Butanone	BRL	50		ug/L	181211	1	09/18/2013 19:00	AK
2-Hexanone	BRL	10		ug/L	181211	1	09/18/2013 19:00	AK
4-Methyl-2-pentanone	BRL	10		ug/L	181211	1	09/18/2013 19:00	AK
Acetone	BRL	50		ug/L	181211	1	09/18/2013 19:00	AK
Benzene	BRL	5.0		ug/L	181211	1	09/18/2013 19:00	AK
Bromodichloromethane	BRL	5.0		ug/L	181211	1	09/18/2013 19:00	AK
Bromoform	BRL	5.0		ug/L	181211	1	09/18/2013 19:00	AK
Bromomethane	BRL	5.0		ug/L	181211	1	09/18/2013 19:00	AK
Carbon disulfide	BRL	5.0		ug/L	181211	1	09/18/2013 19:00	AK
Carbon tetrachloride	BRL	5.0		ug/L	181211	1	09/18/2013 19:00	AK
Chlorobenzene	BRL	5.0		ug/L	181211	1	09/18/2013 19:00	AK
Chloroethane	BRL	10		ug/L	181211	1	09/18/2013 19:00	AK
Chloroform	BRL	5.0		ug/L	181211	1	09/18/2013 19:00	AK
Chloromethane	BRL	10		ug/L	181211	1	09/18/2013 19:00	AK
cis-1,2-Dichloroethene	BRL	5.0		ug/L	181211	1	09/18/2013 19:00	AK
cis-1,3-Dichloropropene	BRL	5.0		ug/L	181211	1	09/18/2013 19:00	AK
Cyclohexane	BRL	5.0		ug/L	181211	1	09/18/2013 19:00	AK
Dibromochloromethane	BRL	5.0		ug/L	181211	1	09/18/2013 19:00	AK
Dichlorodifluoromethane	BRL	10		ug/L	181211	1	09/18/2013 19:00	AK
Ethylbenzene	BRL	5.0		ug/L	181211	1	09/18/2013 19:00	AK
Freon-113	BRL	10		ug/L	181211	1	09/18/2013 19:00	AK
Isopropylbenzene	BRL	5.0		ug/L	181211	1	09/18/2013 19:00	AK
m,p-Xylene	BRL	5.0		ug/L	181211	1	09/18/2013 19:00	AK
Methyl acetate	BRL	5.0		ug/L	181211	1	09/18/2013 19:00	AK
Methyl tert-butyl ether	BRL	5.0		ug/L	181211	1	09/18/2013 19:00	AK
Methylcyclohexane	BRL	5.0		ug/L	181211	1	09/18/2013 19:00	AK
Methylene chloride	BRL	5.0		ug/L	181211	1	09/18/2013 19:00	AK
o-Xylene	BRL	5.0		ug/L	181211	1	09/18/2013 19:00	AK

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 20-Sep-13

Client:	GaiaTech, Inc.	**Client Sample ID:**	MI-0913-OW10
Project Name:	Mohawk	**Collection Date:**	9/12/2013 12:00:00 PM
Lab ID:	1309804-006	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	181211	1	09/18/2013 19:00	AK
Tetrachloroethene	BRL	5.0		ug/L	181211	1	09/18/2013 19:00	AK
Toluene	BRL	5.0		ug/L	181211	1	09/18/2013 19:00	AK
trans-1,2-Dichloroethene	BRL	5.0		ug/L	181211	1	09/18/2013 19:00	AK
trans-1,3-Dichloropropene	BRL	5.0		ug/L	181211	1	09/18/2013 19:00	AK
Trichloroethene	BRL	5.0		ug/L	181211	1	09/18/2013 19:00	AK
Trichlorofluoromethane	BRL	5.0		ug/L	181211	1	09/18/2013 19:00	AK
Vinyl chloride	BRL	2.0		ug/L	181211	1	09/18/2013 19:00	AK
Surr: 4-Bromofluorobenzene	86.6	64.6-123		%REC	181211	1	09/18/2013 19:00	AK
Surr: Dibromofluoromethane	107	76.6-133		%REC	181211	1	09/18/2013 19:00	AK
Surr: Toluene-d8	102	77.8-120		%REC	181211	1	09/18/2013 19:00	AK

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 20-Sep-13

Client:	GaiaTech, Inc.	**Client Sample ID:**	MI-0913-OW11
Project Name:	Mohawk	**Collection Date:**	9/12/2013 4:10:00 PM
Lab ID:	1309804-007	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	181211	1	09/18/2013 19:28	AK
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	181211	1	09/18/2013 19:28	AK
1,1,2-Trichloroethane	BRL	5.0		ug/L	181211	1	09/18/2013 19:28	AK
1,1-Dichloroethane	BRL	5.0		ug/L	181211	1	09/18/2013 19:28	AK
1,1-Dichloroethene	BRL	5.0		ug/L	181211	1	09/18/2013 19:28	AK
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	181211	1	09/18/2013 19:28	AK
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	181211	1	09/18/2013 19:28	AK
1,2-Dibromoethane	BRL	5.0		ug/L	181211	1	09/18/2013 19:28	AK
1,2-Dichlorobenzene	BRL	5.0		ug/L	181211	1	09/18/2013 19:28	AK
1,2-Dichloroethane	BRL	5.0		ug/L	181211	1	09/18/2013 19:28	AK
1,2-Dichloropropane	BRL	5.0		ug/L	181211	1	09/18/2013 19:28	AK
1,3-Dichlorobenzene	BRL	5.0		ug/L	181211	1	09/18/2013 19:28	AK
1,4-Dichlorobenzene	BRL	5.0		ug/L	181211	1	09/18/2013 19:28	AK
2-Butanone	BRL	50		ug/L	181211	1	09/18/2013 19:28	AK
2-Hexanone	BRL	10		ug/L	181211	1	09/18/2013 19:28	AK
4-Methyl-2-pentanone	BRL	10		ug/L	181211	1	09/18/2013 19:28	AK
Acetone	BRL	50		ug/L	181211	1	09/18/2013 19:28	AK
Benzene	BRL	5.0		ug/L	181211	1	09/18/2013 19:28	AK
Bromodichloromethane	BRL	5.0		ug/L	181211	1	09/18/2013 19:28	AK
Bromoform	BRL	5.0		ug/L	181211	1	09/18/2013 19:28	AK
Bromomethane	BRL	5.0		ug/L	181211	1	09/18/2013 19:28	AK
Carbon disulfide	BRL	5.0		ug/L	181211	1	09/18/2013 19:28	AK
Carbon tetrachloride	BRL	5.0		ug/L	181211	1	09/18/2013 19:28	AK
Chlorobenzene	BRL	5.0		ug/L	181211	1	09/18/2013 19:28	AK
Chloroethane	BRL	10		ug/L	181211	1	09/18/2013 19:28	AK
Chloroform	BRL	5.0		ug/L	181211	1	09/18/2013 19:28	AK
Chloromethane	BRL	10		ug/L	181211	1	09/18/2013 19:28	AK
cis-1,2-Dichloroethene	BRL	5.0		ug/L	181211	1	09/18/2013 19:28	AK
cis-1,3-Dichloropropene	BRL	5.0		ug/L	181211	1	09/18/2013 19:28	AK
Cyclohexane	BRL	5.0		ug/L	181211	1	09/18/2013 19:28	AK
Dibromochloromethane	BRL	5.0		ug/L	181211	1	09/18/2013 19:28	AK
Dichlorodifluoromethane	BRL	10		ug/L	181211	1	09/18/2013 19:28	AK
Ethylbenzene	BRL	5.0		ug/L	181211	1	09/18/2013 19:28	AK
Freon-113	BRL	10		ug/L	181211	1	09/18/2013 19:28	AK
Isopropylbenzene	BRL	5.0		ug/L	181211	1	09/18/2013 19:28	AK
m,p-Xylene	BRL	5.0		ug/L	181211	1	09/18/2013 19:28	AK
Methyl acetate	BRL	5.0		ug/L	181211	1	09/18/2013 19:28	AK
Methyl tert-butyl ether	BRL	5.0		ug/L	181211	1	09/18/2013 19:28	AK
Methylcyclohexane	BRL	5.0		ug/L	181211	1	09/18/2013 19:28	AK
Methylene chloride	BRL	5.0		ug/L	181211	1	09/18/2013 19:28	AK
o-Xylene	BRL	5.0		ug/L	181211	1	09/18/2013 19:28	AK

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 20-Sep-13

Client:	GaiaTech, Inc.	**Client Sample ID:**	MI-0913-OW11
Project Name:	Mohawk	**Collection Date:**	9/12/2013 4:10:00 PM
Lab ID:	1309804-007	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	181211	1	09/18/2013 19:28	AK
Tetrachloroethene	BRL	5.0		ug/L	181211	1	09/18/2013 19:28	AK
Toluene	BRL	5.0		ug/L	181211	1	09/18/2013 19:28	AK
trans-1,2-Dichloroethene	BRL	5.0		ug/L	181211	1	09/18/2013 19:28	AK
trans-1,3-Dichloropropene	BRL	5.0		ug/L	181211	1	09/18/2013 19:28	AK
Trichloroethene	BRL	5.0		ug/L	181211	1	09/18/2013 19:28	AK
Trichlorofluoromethane	BRL	5.0		ug/L	181211	1	09/18/2013 19:28	AK
Vinyl chloride	BRL	2.0		ug/L	181211	1	09/18/2013 19:28	AK
Surr: 4-Bromofluorobenzene	85.9	64.6-123		%REC	181211	1	09/18/2013 19:28	AK
Surr: Dibromofluoromethane	110	76.6-133		%REC	181211	1	09/18/2013 19:28	AK
Surr: Toluene-d8	103	77.8-120		%REC	181211	1	09/18/2013 19:28	AK

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 20-Sep-13

Client:	GaiaTech, Inc.	**Client Sample ID:**	MI-0913-OW12
Project Name:	Mohawk	**Collection Date:**	9/12/2013 6:00:00 PM
Lab ID:	1309804-008	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	181211	1	09/18/2013 19:56	AK
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	181211	1	09/18/2013 19:56	AK
1,1,2-Trichloroethane	BRL	5.0		ug/L	181211	1	09/18/2013 19:56	AK
1,1-Dichloroethane	BRL	5.0		ug/L	181211	1	09/18/2013 19:56	AK
1,1-Dichloroethene	BRL	5.0		ug/L	181211	1	09/18/2013 19:56	AK
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	181211	1	09/18/2013 19:56	AK
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	181211	1	09/18/2013 19:56	AK
1,2-Dibromoethane	BRL	5.0		ug/L	181211	1	09/18/2013 19:56	AK
1,2-Dichlorobenzene	BRL	5.0		ug/L	181211	1	09/18/2013 19:56	AK
1,2-Dichloroethane	BRL	5.0		ug/L	181211	1	09/18/2013 19:56	AK
1,2-Dichloropropane	BRL	5.0		ug/L	181211	1	09/18/2013 19:56	AK
1,3-Dichlorobenzene	BRL	5.0		ug/L	181211	1	09/18/2013 19:56	AK
1,4-Dichlorobenzene	BRL	5.0		ug/L	181211	1	09/18/2013 19:56	AK
2-Butanone	BRL	50		ug/L	181211	1	09/18/2013 19:56	AK
2-Hexanone	BRL	10		ug/L	181211	1	09/18/2013 19:56	AK
4-Methyl-2-pentanone	BRL	10		ug/L	181211	1	09/18/2013 19:56	AK
Acetone	BRL	50		ug/L	181211	1	09/18/2013 19:56	AK
Benzene	BRL	5.0		ug/L	181211	1	09/18/2013 19:56	AK
Bromodichloromethane	BRL	5.0		ug/L	181211	1	09/18/2013 19:56	AK
Bromoform	BRL	5.0		ug/L	181211	1	09/18/2013 19:56	AK
Bromomethane	BRL	5.0		ug/L	181211	1	09/18/2013 19:56	AK
Carbon disulfide	BRL	5.0		ug/L	181211	1	09/18/2013 19:56	AK
Carbon tetrachloride	BRL	5.0		ug/L	181211	1	09/18/2013 19:56	AK
Chlorobenzene	BRL	5.0		ug/L	181211	1	09/18/2013 19:56	AK
Chloroethane	BRL	10		ug/L	181211	1	09/18/2013 19:56	AK
Chloroform	BRL	5.0		ug/L	181211	1	09/18/2013 19:56	AK
Chloromethane	BRL	10		ug/L	181211	1	09/18/2013 19:56	AK
cis-1,2-Dichloroethene	BRL	5.0		ug/L	181211	1	09/18/2013 19:56	AK
cis-1,3-Dichloropropene	BRL	5.0		ug/L	181211	1	09/18/2013 19:56	AK
Cyclohexane	BRL	5.0		ug/L	181211	1	09/18/2013 19:56	AK
Dibromochloromethane	BRL	5.0		ug/L	181211	1	09/18/2013 19:56	AK
Dichlorodifluoromethane	BRL	10		ug/L	181211	1	09/18/2013 19:56	AK
Ethylbenzene	BRL	5.0		ug/L	181211	1	09/18/2013 19:56	AK
Freon-113	BRL	10		ug/L	181211	1	09/18/2013 19:56	AK
Isopropylbenzene	BRL	5.0		ug/L	181211	1	09/18/2013 19:56	AK
m,p-Xylene	BRL	5.0		ug/L	181211	1	09/18/2013 19:56	AK
Methyl acetate	BRL	5.0		ug/L	181211	1	09/18/2013 19:56	AK
Methyl tert-butyl ether	BRL	5.0		ug/L	181211	1	09/18/2013 19:56	AK
Methylcyclohexane	BRL	5.0		ug/L	181211	1	09/18/2013 19:56	AK
Methylene chloride	BRL	5.0		ug/L	181211	1	09/18/2013 19:56	AK
o-Xylene	BRL	5.0		ug/L	181211	1	09/18/2013 19:56	AK

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 20-Sep-13

Client:	GaiaTech, Inc.	**Client Sample ID:**	MI-0913-OW12
Project Name:	Mohawk	**Collection Date:**	9/12/2013 6:00:00 PM
Lab ID:	1309804-008	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B (SW5030B)								
Styrene	BRL	5.0		ug/L	181211	1	09/18/2013 19:56	AK
Tetrachloroethene	BRL	5.0		ug/L	181211	1	09/18/2013 19:56	AK
Toluene	BRL	5.0		ug/L	181211	1	09/18/2013 19:56	AK
trans-1,2-Dichloroethene	BRL	5.0		ug/L	181211	1	09/18/2013 19:56	AK
trans-1,3-Dichloropropene	BRL	5.0		ug/L	181211	1	09/18/2013 19:56	AK
Trichloroethene	BRL	5.0		ug/L	181211	1	09/18/2013 19:56	AK
Trichlorofluoromethane	BRL	5.0		ug/L	181211	1	09/18/2013 19:56	AK
Vinyl chloride	BRL	2.0		ug/L	181211	1	09/18/2013 19:56	AK
Surr: 4-Bromofluorobenzene	86.3	64.6-123		%REC	181211	1	09/18/2013 19:56	AK
Surr: Dibromofluoromethane	107	76.6-133		%REC	181211	1	09/18/2013 19:56	AK
Surr: Toluene-d8	102	77.8-120		%REC	181211	1	09/18/2013 19:56	AK

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 20-Sep-13

Client:	GaiaTech, Inc.	**Client Sample ID:**	MI-0913-MWW1
Project Name:	Mohawk	**Collection Date:**	9/12/2013 2:30:00 PM
Lab ID:	1309804-010	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	181211	1	09/18/2013 20:24	AK
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	181211	1	09/18/2013 20:24	AK
1,1,2-Trichloroethane	BRL	5.0		ug/L	181211	1	09/18/2013 20:24	AK
1,1-Dichloroethane	BRL	5.0		ug/L	181211	1	09/18/2013 20:24	AK
1,1-Dichloroethene	BRL	5.0		ug/L	181211	1	09/18/2013 20:24	AK
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	181211	1	09/18/2013 20:24	AK
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	181211	1	09/18/2013 20:24	AK
1,2-Dibromoethane	BRL	5.0		ug/L	181211	1	09/18/2013 20:24	AK
1,2-Dichlorobenzene	BRL	5.0		ug/L	181211	1	09/18/2013 20:24	AK
1,2-Dichloroethane	BRL	5.0		ug/L	181211	1	09/18/2013 20:24	AK
1,2-Dichloropropane	BRL	5.0		ug/L	181211	1	09/18/2013 20:24	AK
1,3-Dichlorobenzene	BRL	5.0		ug/L	181211	1	09/18/2013 20:24	AK
1,4-Dichlorobenzene	BRL	5.0		ug/L	181211	1	09/18/2013 20:24	AK
2-Butanone	BRL	50		ug/L	181211	1	09/18/2013 20:24	AK
2-Hexanone	BRL	10		ug/L	181211	1	09/18/2013 20:24	AK
4-Methyl-2-pentanone	BRL	10		ug/L	181211	1	09/18/2013 20:24	AK
Acetone	BRL	50		ug/L	181211	1	09/18/2013 20:24	AK
Benzene	BRL	5.0		ug/L	181211	1	09/18/2013 20:24	AK
Bromodichloromethane	BRL	5.0		ug/L	181211	1	09/18/2013 20:24	AK
Bromoform	BRL	5.0		ug/L	181211	1	09/18/2013 20:24	AK
Bromomethane	BRL	5.0		ug/L	181211	1	09/18/2013 20:24	AK
Carbon disulfide	BRL	5.0		ug/L	181211	1	09/18/2013 20:24	AK
Carbon tetrachloride	BRL	5.0		ug/L	181211	1	09/18/2013 20:24	AK
Chlorobenzene	BRL	5.0		ug/L	181211	1	09/18/2013 20:24	AK
Chloroethane	BRL	10		ug/L	181211	1	09/18/2013 20:24	AK
Chloroform	BRL	5.0		ug/L	181211	1	09/18/2013 20:24	AK
Chloromethane	BRL	10		ug/L	181211	1	09/18/2013 20:24	AK
cis-1,2-Dichloroethene	BRL	5.0		ug/L	181211	1	09/18/2013 20:24	AK
cis-1,3-Dichloropropene	BRL	5.0		ug/L	181211	1	09/18/2013 20:24	AK
Cyclohexane	BRL	5.0		ug/L	181211	1	09/18/2013 20:24	AK
Dibromochloromethane	BRL	5.0		ug/L	181211	1	09/18/2013 20:24	AK
Dichlorodifluoromethane	BRL	10		ug/L	181211	1	09/18/2013 20:24	AK
Ethylbenzene	BRL	5.0		ug/L	181211	1	09/18/2013 20:24	AK
Freon-113	BRL	10		ug/L	181211	1	09/18/2013 20:24	AK
Isopropylbenzene	BRL	5.0		ug/L	181211	1	09/18/2013 20:24	AK
m,p-Xylene	BRL	5.0		ug/L	181211	1	09/18/2013 20:24	AK
Methyl acetate	BRL	5.0		ug/L	181211	1	09/18/2013 20:24	AK
Methyl tert-butyl ether	BRL	5.0		ug/L	181211	1	09/18/2013 20:24	AK
Methylcyclohexane	BRL	5.0		ug/L	181211	1	09/18/2013 20:24	AK
Methylene chloride	BRL	5.0		ug/L	181211	1	09/18/2013 20:24	AK
o-Xylene	BRL	5.0		ug/L	181211	1	09/18/2013 20:24	AK

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 20-Sep-13

Client:	GaiaTech, Inc.	**Client Sample ID:**	MI-0913-MWW1
Project Name:	Mohawk	**Collection Date:**	9/12/2013 2:30:00 PM
Lab ID:	1309804-010	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	181211	1	09/18/2013 20:24	AK
Tetrachloroethene	BRL	5.0		ug/L	181211	1	09/18/2013 20:24	AK
Toluene	BRL	5.0		ug/L	181211	1	09/18/2013 20:24	AK
trans-1,2-Dichloroethene	BRL	5.0		ug/L	181211	1	09/18/2013 20:24	AK
trans-1,3-Dichloropropene	BRL	5.0		ug/L	181211	1	09/18/2013 20:24	AK
Trichloroethene	BRL	5.0		ug/L	181211	1	09/18/2013 20:24	AK
Trichlorofluoromethane	BRL	5.0		ug/L	181211	1	09/18/2013 20:24	AK
Vinyl chloride	BRL	2.0		ug/L	181211	1	09/18/2013 20:24	AK
Surr: 4-Bromofluorobenzene	85.8	64.6-123		%REC	181211	1	09/18/2013 20:24	AK
Surr: Dibromofluoromethane	109	76.6-133		%REC	181211	1	09/18/2013 20:24	AK
Surr: Toluene-d8	103	77.8-120		%REC	181211	1	09/18/2013 20:24	AK

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 20-Sep-13

Client:	GaiaTech, Inc.	**Client Sample ID:**	MI-0913-0W12(DUP)
Project Name:	Mohawk	**Collection Date:**	9/12/2013 6:05:00 PM
Lab ID:	1309804-011	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	181211	1	09/19/2013 00:23	AR
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	181211	1	09/19/2013 00:23	AR
1,1,2-Trichloroethane	BRL	5.0		ug/L	181211	1	09/19/2013 00:23	AR
1,1-Dichloroethane	BRL	5.0		ug/L	181211	1	09/19/2013 00:23	AR
1,1-Dichloroethene	BRL	5.0		ug/L	181211	1	09/19/2013 00:23	AR
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	181211	1	09/19/2013 00:23	AR
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	181211	1	09/19/2013 00:23	AR
1,2-Dibromoethane	BRL	5.0		ug/L	181211	1	09/19/2013 00:23	AR
1,2-Dichlorobenzene	BRL	5.0		ug/L	181211	1	09/19/2013 00:23	AR
1,2-Dichloroethane	BRL	5.0		ug/L	181211	1	09/19/2013 00:23	AR
1,2-Dichloropropane	BRL	5.0		ug/L	181211	1	09/19/2013 00:23	AR
1,3-Dichlorobenzene	BRL	5.0		ug/L	181211	1	09/19/2013 00:23	AR
1,4-Dichlorobenzene	BRL	5.0		ug/L	181211	1	09/19/2013 00:23	AR
2-Butanone	BRL	50		ug/L	181211	1	09/19/2013 00:23	AR
2-Hexanone	BRL	10		ug/L	181211	1	09/19/2013 00:23	AR
4-Methyl-2-pentanone	BRL	10		ug/L	181211	1	09/19/2013 00:23	AR
Acetone	BRL	50		ug/L	181211	1	09/19/2013 00:23	AR
Benzene	BRL	5.0		ug/L	181211	1	09/19/2013 00:23	AR
Bromodichloromethane	BRL	5.0		ug/L	181211	1	09/19/2013 00:23	AR
Bromoform	BRL	5.0		ug/L	181211	1	09/19/2013 00:23	AR
Bromomethane	BRL	5.0		ug/L	181211	1	09/19/2013 00:23	AR
Carbon disulfide	BRL	5.0		ug/L	181211	1	09/19/2013 00:23	AR
Carbon tetrachloride	BRL	5.0		ug/L	181211	1	09/19/2013 00:23	AR
Chlorobenzene	BRL	5.0		ug/L	181211	1	09/19/2013 00:23	AR
Chloroethane	BRL	10		ug/L	181211	1	09/19/2013 00:23	AR
Chloroform	BRL	5.0		ug/L	181211	1	09/19/2013 00:23	AR
Chloromethane	BRL	10		ug/L	181211	1	09/19/2013 00:23	AR
cis-1,2-Dichloroethene	BRL	5.0		ug/L	181211	1	09/19/2013 00:23	AR
cis-1,3-Dichloropropene	BRL	5.0		ug/L	181211	1	09/19/2013 00:23	AR
Cyclohexane	BRL	5.0		ug/L	181211	1	09/19/2013 00:23	AR
Dibromochloromethane	BRL	5.0		ug/L	181211	1	09/19/2013 00:23	AR
Dichlorodifluoromethane	BRL	10		ug/L	181211	1	09/19/2013 00:23	AR
Ethylbenzene	BRL	5.0		ug/L	181211	1	09/19/2013 00:23	AR
Freon-113	BRL	10		ug/L	181211	1	09/19/2013 00:23	AR
Isopropylbenzene	BRL	5.0		ug/L	181211	1	09/19/2013 00:23	AR
m,p-Xylene	BRL	5.0		ug/L	181211	1	09/19/2013 00:23	AR
Methyl acetate	BRL	5.0		ug/L	181211	1	09/19/2013 00:23	AR
Methyl tert-butyl ether	BRL	5.0		ug/L	181211	1	09/19/2013 00:23	AR
Methylcyclohexane	BRL	5.0		ug/L	181211	1	09/19/2013 00:23	AR
Methylene chloride	BRL	5.0		ug/L	181211	1	09/19/2013 00:23	AR
o-Xylene	BRL	5.0		ug/L	181211	1	09/19/2013 00:23	AR

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 20-Sep-13

Client:	GaiaTech, Inc.	**Client Sample ID:**	MI-0913-0W12(DUP)
Project Name:	Mohawk	**Collection Date:**	9/12/2013 6:05:00 PM
Lab ID:	1309804-011	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	181211	1	09/19/2013 00:23	AR
Tetrachloroethene	BRL	5.0		ug/L	181211	1	09/19/2013 00:23	AR
Toluene	BRL	5.0		ug/L	181211	1	09/19/2013 00:23	AR
trans-1,2-Dichloroethene	BRL	5.0		ug/L	181211	1	09/19/2013 00:23	AR
trans-1,3-Dichloropropene	BRL	5.0		ug/L	181211	1	09/19/2013 00:23	AR
Trichloroethene	BRL	5.0		ug/L	181211	1	09/19/2013 00:23	AR
Trichlorofluoromethane	BRL	5.0		ug/L	181211	1	09/19/2013 00:23	AR
Vinyl chloride	BRL	2.0		ug/L	181211	1	09/19/2013 00:23	AR
Surr: 4-Bromofluorobenzene	94.8	64.6-123		%REC	181211	1	09/19/2013 00:23	AR
Surr: Dibromofluoromethane	105	76.6-133		%REC	181211	1	09/19/2013 00:23	AR
Surr: Toluene-d8	101	77.8-120		%REC	181211	1	09/19/2013 00:23	AR

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 20-Sep-13

Client:	GaiaTech, Inc.	**Client Sample ID:**	TRIP BLANK
Project Name:	Mohawk	**Collection Date:**	9/12/2013
Lab ID:	1309804-012	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	181211	1	09/18/2013 23:55	AR
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	181211	1	09/18/2013 23:55	AR
1,1,2-Trichloroethane	BRL	5.0		ug/L	181211	1	09/18/2013 23:55	AR
1,1-Dichloroethane	BRL	5.0		ug/L	181211	1	09/18/2013 23:55	AR
1,1-Dichloroethene	BRL	5.0		ug/L	181211	1	09/18/2013 23:55	AR
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	181211	1	09/18/2013 23:55	AR
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	181211	1	09/18/2013 23:55	AR
1,2-Dibromoethane	BRL	5.0		ug/L	181211	1	09/18/2013 23:55	AR
1,2-Dichlorobenzene	BRL	5.0		ug/L	181211	1	09/18/2013 23:55	AR
1,2-Dichloroethane	BRL	5.0		ug/L	181211	1	09/18/2013 23:55	AR
1,2-Dichloropropane	BRL	5.0		ug/L	181211	1	09/18/2013 23:55	AR
1,3-Dichlorobenzene	BRL	5.0		ug/L	181211	1	09/18/2013 23:55	AR
1,4-Dichlorobenzene	BRL	5.0		ug/L	181211	1	09/18/2013 23:55	AR
2-Butanone	BRL	50		ug/L	181211	1	09/18/2013 23:55	AR
2-Hexanone	BRL	10		ug/L	181211	1	09/18/2013 23:55	AR
4-Methyl-2-pentanone	BRL	10		ug/L	181211	1	09/18/2013 23:55	AR
Acetone	BRL	50		ug/L	181211	1	09/18/2013 23:55	AR
Benzene	BRL	5.0		ug/L	181211	1	09/18/2013 23:55	AR
Bromodichloromethane	BRL	5.0		ug/L	181211	1	09/18/2013 23:55	AR
Bromoform	BRL	5.0		ug/L	181211	1	09/18/2013 23:55	AR
Bromomethane	BRL	5.0		ug/L	181211	1	09/18/2013 23:55	AR
Carbon disulfide	BRL	5.0		ug/L	181211	1	09/18/2013 23:55	AR
Carbon tetrachloride	BRL	5.0		ug/L	181211	1	09/18/2013 23:55	AR
Chlorobenzene	BRL	5.0		ug/L	181211	1	09/18/2013 23:55	AR
Chloroethane	BRL	10		ug/L	181211	1	09/18/2013 23:55	AR
Chloroform	BRL	5.0		ug/L	181211	1	09/18/2013 23:55	AR
Chloromethane	BRL	10		ug/L	181211	1	09/18/2013 23:55	AR
cis-1,2-Dichloroethene	BRL	5.0		ug/L	181211	1	09/18/2013 23:55	AR
cis-1,3-Dichloropropene	BRL	5.0		ug/L	181211	1	09/18/2013 23:55	AR
Cyclohexane	BRL	5.0		ug/L	181211	1	09/18/2013 23:55	AR
Dibromochloromethane	BRL	5.0		ug/L	181211	1	09/18/2013 23:55	AR
Dichlorodifluoromethane	BRL	10		ug/L	181211	1	09/18/2013 23:55	AR
Ethylbenzene	BRL	5.0		ug/L	181211	1	09/18/2013 23:55	AR
Freon-113	BRL	10		ug/L	181211	1	09/18/2013 23:55	AR
Isopropylbenzene	BRL	5.0		ug/L	181211	1	09/18/2013 23:55	AR
m,p-Xylene	BRL	5.0		ug/L	181211	1	09/18/2013 23:55	AR
Methyl acetate	BRL	5.0		ug/L	181211	1	09/18/2013 23:55	AR
Methyl tert-butyl ether	BRL	5.0		ug/L	181211	1	09/18/2013 23:55	AR
Methylcyclohexane	BRL	5.0		ug/L	181211	1	09/18/2013 23:55	AR
Methylene chloride	BRL	5.0		ug/L	181211	1	09/18/2013 23:55	AR
o-Xylene	BRL	5.0		ug/L	181211	1	09/18/2013 23:55	AR

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 20-Sep-13

Client:	GaiaTech, Inc.	**Client Sample ID:**	TRIP BLANK
Project Name:	Mohawk	**Collection Date:**	9/12/2013
Lab ID:	1309804-012	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	181211	1	09/18/2013 23:55	AR
Tetrachloroethene	BRL	5.0		ug/L	181211	1	09/18/2013 23:55	AR
Toluene	BRL	5.0		ug/L	181211	1	09/18/2013 23:55	AR
trans-1,2-Dichloroethene	BRL	5.0		ug/L	181211	1	09/18/2013 23:55	AR
trans-1,3-Dichloropropene	BRL	5.0		ug/L	181211	1	09/18/2013 23:55	AR
Trichloroethene	BRL	5.0		ug/L	181211	1	09/18/2013 23:55	AR
Trichlorofluoromethane	BRL	5.0		ug/L	181211	1	09/18/2013 23:55	AR
Vinyl chloride	BRL	2.0		ug/L	181211	1	09/18/2013 23:55	AR
Surr: 4-Bromofluorobenzene	95.5	64.6-123		%REC	181211	1	09/18/2013 23:55	AR
Surr: Dibromofluoromethane	106	76.6-133		%REC	181211	1	09/18/2013 23:55	AR
Surr: Toluene-d8	105	77.8-120		%REC	181211	1	09/18/2013 23:55	AR

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client GAIA Work Order Number 1309804

Checklist completed by Tam B 9/13/13
Signature Date

Carrier name: FedEx __ UPS __ Courier __ Client ✓ US Mail __ Other _____

Shipping container/cooler in good condition? Yes ✓ No __ Not Present __

Custody seals intact on shipping container/cooler? Yes __ No __ Not Present ✓

Custody seals intact on sample bottles? Yes __ No __ Not Present ✓

Container/Temp Blank temperature in compliance? (4°C±2)* Yes ✓ No __

Cooler #1 3.1 Cooler #2 _____ Cooler #3 _____ Cooler #4 _____ Cooler#5 _____ Cooler #6 _____

Chain of custody present? Yes ✓ No __

Chain of custody signed when relinquished and received? Yes ✓ No __

Chain of custody agrees with sample labels? Yes ✓ No __

Samples in proper container/bottle? Yes ✓ No __

Sample containers intact? Yes ✓ No __

Sufficient sample volume for indicated test? Yes ✓ No __

All samples received within holding time? Yes ✓ No __

Was TAT marked on the COC? Yes ✓ No __

Proceed with Standard TAT as per project history? Yes __ No __ Not Applicable ✓

Water - VOA vials have zero headspace? No VOA vials submitted __ Yes ✓ No __

Water - pH acceptable upon receipt? Yes ✓ No __ Not Applicable __

Adjusted? _____ Checked by _____

Sample Condition: Good ✓ Other(Explain) _____

(For diffusive samples or AIHA lead) Is a known blank included? Yes __ No ✓

See Case Narrative for resolution of the Non-Conformance.

* Samples do not have to comply with the given range for certain parameters.

\I\Quality Assurance\Checklists Procedures Sign-Off Templates\Checklists\Sample Receipt Checklists\Sample_Cooler_Receipt_Checklist

Client: GaiaTech, Inc.
Project Name: Mohawk
Workorder: 1309804

ANALYTICAL QC SUMMARY REPORT

BatchID: 181211

Sample ID: **MB-181211** Client ID: Units: **ug/L** Prep Date: **09/17/2013** Run No: **252099**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **181211** Analysis Date: **09/17/2013** Seq No: **5291571**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0									
1,1,2,2-Tetrachloroethane	BRL	5.0									
1,1,2-Trichloroethane	BRL	5.0									
1,1-Dichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,2,4-Trichlorobenzene	BRL	5.0									
1,2-Dibromo-3-chloropropane	BRL	5.0									
1,2-Dibromoethane	BRL	5.0									
1,2-Dichlorobenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,2-Dichloropropane	BRL	5.0									
1,3-Dichlorobenzene	BRL	5.0									
1,4-Dichlorobenzene	BRL	5.0									
2-Butanone	BRL	50									
2-Hexanone	BRL	10									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	50									
Benzene	BRL	5.0									
Bromodichloromethane	BRL	5.0									
Bromoform	BRL	5.0									
Bromomethane	BRL	5.0									
Carbon disulfide	BRL	5.0									
Carbon tetrachloride	BRL	5.0									
Chlorobenzene	BRL	5.0									
Chloroethane	BRL	10									
Chloroform	BRL	5.0									
Chloromethane	BRL	10									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: GaiaTech, Inc.
Project Name: Mohawk
Workorder: 1309804

ANALYTICAL QC SUMMARY REPORT

BatchID: 181211

Sample ID: **MB-181211** Client ID: Units: **ug/L** Prep Date: **09/17/2013** Run No: **252099**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **181211** Analysis Date: **09/17/2013** Seq No: **5291571**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	BRL	5.0									
cis-1,3-Dichloropropene	BRL	5.0									
Cyclohexane	BRL	5.0									
Dibromochloromethane	BRL	5.0									
Dichlorodifluoromethane	BRL	10									
Ethylbenzene	BRL	5.0									
Freon-113	BRL	10									
Isopropylbenzene	BRL	5.0									
m,p-Xylene	BRL	5.0									
Methyl acetate	BRL	5.0									
Methyl tert-butyl ether	BRL	5.0									
Methylcyclohexane	BRL	5.0									
Methylene chloride	BRL	5.0									
o-Xylene	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
trans-1,2-Dichloroethene	BRL	5.0									
trans-1,3-Dichloropropene	BRL	5.0									
Trichloroethene	BRL	5.0									
Trichlorofluoromethane	BRL	5.0									
Vinyl chloride	BRL	2.0									
Surr: 4-Bromofluorobenzene	41.86	0	50.00		83.7	64.6	123				
Surr: Dibromofluoromethane	55.55	0	50.00		111	76.6	133				
Surr: Toluene-d8	53.80	0	50.00		108	77.8	120				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: GaiaTech, Inc.
Project Name: Mohawk
Workorder: 1309804

ANALYTICAL QC SUMMARY REPORT

BatchID: 181211

Sample ID: **LCS-181211** Client ID: Units: **ug/L** Prep Date: **09/17/2013** Run No: **252099**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **181211** Analysis Date: **09/17/2013** Seq No: **5291572**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	53.06	5.0	50.00		106	61.1	142				
Benzene	49.64	5.0	50.00		99.3	73.5	130				
Chlorobenzene	58.24	5.0	50.00		116	72.4	123				
Toluene	53.64	5.0	50.00		107	73.6	130				
Trichloroethene	53.23	5.0	50.00		106	70	135				
Surr: 4-Bromofluorobenzene	52.20	0	50.00		104	64.6	123				
Surr: Dibromofluoromethane	58.89	0	50.00		118	76.6	133				
Surr: Toluene-d8	53.74	0	50.00		107	77.8	120				

Sample ID: **1309351-003AMS** Client ID: Units: **ug/L** Prep Date: **09/17/2013** Run No: **252099**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **181211** Analysis Date: **09/17/2013** Seq No: **5291583**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	1016	100	1000		102	60	168				
Benzene	1107	100	1000	121.4	98.6	66.6	148				
Chlorobenzene	1159	100	1000		116	71.9	135				
Toluene	1002	100	1000		100	68	149				
Trichloroethene	1089	100	1000		109	71.1	154				
Surr: 4-Bromofluorobenzene	1017	0	1000		102	64.6	123				
Surr: Dibromofluoromethane	1129	0	1000		113	76.6	133				
Surr: Toluene-d8	1006	0	1000		101	77.8	120				

Sample ID: **1309351-003AMSD** Client ID: Units: **ug/L** Prep Date: **09/17/2013** Run No: **252099**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **181211** Analysis Date: **09/17/2013** Seq No: **5291584**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	985.2	100	1000		98.5	60	168	1016	3.08	18.6	
Benzene	1051	100	1000	121.4	92.9	66.6	148	1107	5.23	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: GaiaTech, Inc.
Project Name: Mohawk
Workorder: 1309804

ANALYTICAL QC SUMMARY REPORT

BatchID: 181211

Sample ID: **1309351-003AMSD** Client ID:
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B**
Units: **ug/L** Prep Date: **09/17/2013** Run No: **252099**
BatchID: **181211** Analysis Date: **09/17/2013** Seq No: **5291584**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	1126	100	1000		113	71.9	135	1159	2.84	20	
Toluene	971.8	100	1000		97.2	68	149	1002	3.08	20	
Trichloroethene	1056	100	1000		106	71.1	154	1089	3.02	20	
Surr: 4-Bromofluorobenzene	1013	0	1000		101	64.6	123	1017	0	0	
Surr: Dibromofluoromethane	1121	0	1000		112	76.6	133	1129	0	0	
Surr: Toluene-d8	986.4	0	1000		98.6	77.8	120	1006	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

ATTACHMENT 5

PROFESSIONAL CERTIFICATIONAND SUMMARY OF HOURS

PROFESSIONAL CERTIFICATION AND SUMMARY OF HOURS

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 by me or by a subordinate working under my direction.

David S. Buchalter, P.E.
Georgia Professional Engineer

MONTHLY SUMMARY AND DESCRIPTION OF PROFESSIONAL GEOLOGIST HOURS

Quantity	Units	Time Period + Description of Activities	Hours		
					Subtotal
		September 12 to October 12, 2013			
		Review of Field Activities and Semi-Annual Progress Report			
2.00	Hours	Sr. Project Manager (David S. Buchalter, P.E.)			2.00

PG MONTHLY HOURS TOTAL => 2.00