## ASSESSMENT OF POTENTIALLY IMPACTED RESIDENTIAL WELLS

## PRENTER ROAD AREA BOONE COUNTY, WV

**Triad Engineering Project 04-12-0091** 

Prepared for:



West Virginia Department of Environmental Protection 601 57th Street, SE Charleston, West Virginia 25304-2345

Prepared by:



4980 Teays Valley Road Scott Depot, WV 25560

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## 1.0 INTRODUCTION

In response to West Virginia Department of Environmental Protection (WVDEP) Purchase Order DEP15223, Triad Engineering, Inc. (Triad) evaluated groundwater quality in the vicinity of Prenter Road in Boone County, WV, for evidence of impacts from human activities. Two domestic wells, identified in our study as DW-25 and DW-26, exhibited the greatest evidence of mine-related impact, primarily due to elevated sulfate concentrations. The wells are located along Hopkins Fork, adjacent to a reclaimed surface mine operation situated on the ridge top to the east, as well as abandoned pre-law underground workings in the Fire Clay seam situated immediately adjacent to the dwellings. Our evaluation concluded that elevated concentrations of sulfate, iron, manganese and aluminum found in these wells may be related to past mining operations at the surface mine or the underground mine. We did not find evidence to support slurry related impacts to groundwater quality at these wells, or any other wells sampled in our study.

A sample from a third domestic well, identified as DW-32, contained lead at a concentration above the maximum contaminant level (MCL). The resident was connected to a public water supply at the time of our study and does not use well water for drinking. However, the homeowner maintained a connection to the well to use for garden and outdoor use. Sample DW-32 contained 0.0338 milligrams per liter (mg/L) total lead, compared to the MCL of 0.0150 mg/L. Lead found in tap water usually comes from the corrosion of plumbing fixtures which can leach significant amounts of lead into water.

In response to the findings of our study, WVDEP requested that Triad further evaluate these three wells to confirm the concentrations of mine-related parameters and lead, and to determine if the elevated concentrations can be linked to mining or other human activities.

## 2.0 DOMESTIC WELL SAMPLES

As a first step to further evaluate water quality at these locations, Triad planned to collect additional samples from the three domestic wells to supplement the results of the initial sampling and analysis. To evaluate the potential for water-quality effects related to the domestic plumbing systems (piping, fixtures, tanks, etc.), three separate samples were planned at each location. The first sample was to be collected from the domestic source as soon as the water is turned on (no purging of the plumbing system or fixtures). The second sample was to be collected after adequate water has been purged from the system to empty the pressure tank one time (approximately 10 gallons). The third sample was to be collected after adequate water has been purged from the system to empty the pressure tank three times (approximately 30 gallons). Collecting a number of samples over time at each location was designed to evaluate the effect of purging static water from the plumbing system.

Location DW-32 (Eddie Hall Well) was resampled on March 28, 2012. The location of DW-32 is shown on Figure 1. Samples were collected in accordance with the Sampling and Analysis Plan (SAP) developed for the original Prenter Road study. Three samples were collected according to the methodology described above. These samples were identified as DW-32R1, DW-32R2 and DW-32R3.

Since the time of our previous study, public water has been extended to locations DW-25 and DW-26. Our field crew attempted to resample these locations on April 5, 2012. However, plumbing and electrical connections to these wells have been removed and they cannot be used any longer. Therefore, it was impossible to collect additional samples from these wells.

Public water was first extended upstream along Prenter Road from Seth by the Boone County PSD in 2010. The system is operated and maintained by West Virginia American Water Co. through a contract with Boone County PSD. The initial section of water line extended approximately 4 miles upstream to the community of Nelson. In 2011, an additional 8500 ft. of line was installed and extended almost to Milltown. The existing water line terminated immediately upstream from locations DW-25 and DW-26 at the time of this investigation.

## 3.0 ENVIRONMENTAL SAMPLES

Because our previous investigation concluded that elevated concentrations of mine-related parameters found in wells DW-25 and DW-26 may have been associated with nearby mining operations, Triad conducted field reconnaissance of the area surrounding the nearby reclaimed surface mine as well as abandoned pre-law underground workings. Triad personnel searched this area for groundwater discharge sites (e.g., mine openings, valley fills, seeps, etc.) to sample and analyze these discharges for comparison to water quality in the two domestic wells. Groundwater discharge was sampled and analyzed in accordance with the SAP developed for the original Prenter Road study. Additionally, Triad collected existing environmental data from WVDEP files, including mine maps, water quality data, geologic information and overburden acid/base analysis.

As a result of our field reconnaissance, five environmental samples were collected in the area surrounding with the reclaimed surface mine. Two samples were collected from two valley fill discharges located within the permitted area (VF-3 and VF-4). These two samples were collected to provide information regarding expected water quality within the valley fill material. The valley fills are not located within the same watershed as wells DW-25 and DW-26, and therefore, are not hydrologically connected to the wells. Major discharge points were not found on the western side of the surface mine adjacent to Prenter Road. Three samples were collected from drainage features located immediately west of the reclaimed surface mine where groundwater first emerged in a quantity sufficient to sample. Locations GW-1 through GW-3 were at an approximate elevation of 1,120 ft. These samples are located within the Prenter hollow watershed. The locations of all environmental samples, as well as the location of DW-25 and DW-26, are shown on Figure 2.

Surface water in the Prenter Road area is drained by Laurel Creek and its tributaries. During our previous evaluation, Triad sampled surface water at several locations within the watershed. Additionally, WVDEP maintains a long term water quality trend station (TS-68) on Hopkins Fork approximately 2.5 miles downstream from locations DW-25 and DW-26. Data from both of these sources was reviewed and was also utilized in the evaluation.

The nearby reclaimed surface mine was permitted as the Orgas No. 2 Mine by Battle Ridge Companies of Charleston, WV (Permit No. S-5004-91). The mine was permitted to remove the Upper, Middle and Lower Five Block seams, which lie along the tops of the ridges in the Prenter Road area. The lower Five Block had been mined previously in a portion of the permit area by underground methods. A cross section of the affected strata (from the permit application) is provided in Figure 3. The lowermost seam mined (Lower Five Block) lies at an elevation of approximately 1,480 ft.

Acid-Base accounting data from the Orgas No. 2 permit application document indicate that portions of the overburden strata contained a deficit of potentially neutralizing material. The application indicates that potentially acid producing material would be isolated within the back-stack material to prevent leaching. The application indicates that the sandstone overlying the Upper Five Block would not be placed into valley fills. Therefore, there was some concern during the permitting process that excess spoil material from the mining operation could produce acidic mine drainage.

It was hoped that samples could also be collected from abandoned underground workings in the Fire Clay seam that are located very near the two domestic wells. The former mine openings have been regraded and discharge pipes have been installed. However, no discharge was noted from these workings at the time of our investigation. These workings appear to be a part of the former Red Parrot Coal Co. Red Cedar Mines that were operated prior to the Surface Mining Control and Reclamation Act. Because no discharge was available from these adjacent mine openings, we have included laboratory results from a mine in the same seam at a nearby location that was sampled previously by Ackenhiel Engineers and Geologists, Inc. on behalf of the WVDEP Office of Abandoned Mine Lands and Reclamation.

## 4.0 LABORATORY ANALYSIS

Triad contracted with REI Consultants, Inc. (REIC) of Beaver, WV to analyze the samples that were collected for this study. REIC is an approved WVDEP laboratory and followed appropriate EPA approved laboratory methods when conducting tests on all study samples. Samples were collected in accordance with the SAP developed for the original Prenter Road study. Care was taken to ensure that domestic well samples were collected from a source as close to the well as possible, an unfiltered and/or untreated source, and from the cold water supply. Laboratory reports are provided in the Appendix.

After samples were collected, they were placed into certified pre-cleaned containers supplied by the laboratory. Preservatives were established by the laboratory in accordance with the analytical method. Samples were kept cool (approximately 4 degrees Centigrade) and stored in an iced cooler until delivery to the laboratory. Chain-of-custody forms were sent to the laboratory along with the samples and included the release signature of a Triad representative, sample numbers, analyses requested, and the date and time of sample collection.

Water samples were analyzed for metals referenced in the primary drinking water standards, total and fecal Coliform, all secondary drinking water standards, indicators of mine drainage such as acidity/alkalinity, iron, manganese, aluminum and sulfate, and volatile organic compounds. Also, samples were analyzed for major anions and cations such as calcium, magnesium, sodium, potassium, chloride, carbonate and bicarbonate.

### 5.0 CONCLUSIONS

### Eddie Hall Domestic Well (DW-32)

Representatives from Triad and the WV Department of Health and Human Resources (DHHR), Office of Environmental Health Services collected samples from the Eddie Hall well on March 28, 2012. Bobby Michell of The Sutter Law Firm, PLLC was also present during the sampling. The representative from DHHR collected a sample to determine if coliform bacteria were present in DW-32. Analysis was performed by the DHHR laboratory and determined that coliform bacteria were not present. This finding is consistent with the previous sample collected by Triad on September 28, 2011, during the initial study. Triad representatives collected three samples in accordance with the methodology discussed above to determine if the concentration of lead measured in the previous sample (collected September 28, 2011) was related to the amount of water flushed from the plumbing system before collection (Sample DW-32R1). The second sample was collected after flushing 10 gallons of water from the plumbing system (Sample DW-32R2). The third and final sample was collected after flushing 30 gallons of water from the plumbing system (Sample DW-32R3).

The results of laboratory testing of samples DW-32R1 through DW-32R3 are summarized in Table 1. Based on the results of laboratory analysis, it appears that the concentration of lead measured in the September 28, 2011 sample was related to the amount of water flushed from the plumbing system before collecting the sample. Samples collected from the outside spigot after flushing both 10 gallons and 30 gallons from the plumbing system did not contain any parameters above the applicable drinking water standards. However, the initial sample (no flushing) contained lead at a concentration above the National Primary Drinking Water Standard (primary standard). Lead was present in the initial sample at 0.0188 mg/L, versus the standard of 0.0150 mg/L. Additionally, the initial sample also contained iron at a concentration above the National Secondary Drinking Water Standard (secondary standard). Iron was present in the initial sample at 0.799 mg/L, versus a secondary standard of 0.300 mg/L. No other parameter was present in any sample at a concentration that exceeded the applicable primary or secondary standard. Based on the results of the three step sampling process, it appears that lead was present in the initial sample due to leaching from household or down-well plumbing fittings. Galvanized lead fittings were noted at the outdoor faucet where sample DW-32 and samples DW-32R were collected and can be expected to be present at other locations in the plumbing system and well piping.

Assessment of Potentially Impacted Wells-Rev 0 Boone County, West Virginia Three volatile organic compounds were detected in the initial (no flush) sample at extremely low concentrations, below the Practical Quantitation Limit (PQL). The PQL is the lowest concentration the laboratory can achieve with precision and accuracy. Therefore, compounds detected at concentrations below the PQL are estimated based on the professional judgment of the laboratory and are not actually measured by the laboratory equipment.

Benzene concentration in DW-32R1 was estimated to be 0.0004 mg/L. The primary drinking water standard for benzene is 0.005 mg/L. Acetone was estimated at 0.0093 mg/L and 1,4-dichlorobenzene was estimated at 0.0004 mg/L. Primary standards have not been established for acetone or 1,4-dichlorobenzene. These compounds are all relatively common environmental contaminants that are most likely related to the use of various household products in the vicinity of the outdoor spigot. Benzene is used as an anti-knock compound in gasoline, and acetone is a common paint thinner and solvent, while 1,4-dichlorobenzene is a common ingredient in insecticides and sanitizers. After flushing, these compounds were not detected, indicating they are not present in groundwater at location DW-32. The use of various household products in the vicinity of the outside spigot where the sample was collected probably resulted in the low concentrations of the compounds detected in the initial sample.

## Locations DW-25 and DW-26

As discussed above, plumbing and electrical connections to the wells at locations DW-25 and DW-26 were removed prior to our study, and it was impossible to re-sample these wells. However, five environmental samples were collected in the area surrounding a reclaimed surface mine located to the east of the wells on the ridge above Hopkins Fork. Also, we attempted to collect samples from abandoned pre-law mine openings in the Fire Clay seam located immediately adjacent to wells DW-25 and DW-26. However, these mines were not discharging at the time of our investigation. For purposes of comparison, we have included laboratory results from a mine in the same seam that was sampled previously by others. Sample MD-2 was collected by Ackenhiel Engineers and Geologists, Inc. on December 12, 2007 as part of a water line extension feasibility study on behalf of the WVDEP Office of Abandoned Mine Lands and Reclamation.

Triad sampled surface water at several locations within the watershed during our previous evaluation. Additionally, WVDEP maintains a long term water quality trend station (TS-68) on Hopkins Fork approximately 2.5 miles downstream from locations DW-25 and DW-26. Long term data from TS-68 was compiled by Triad and average concentrations of the

measured parameters were calculated and compared to data from our previous study. In general, we found that concentrations of aluminum and manganese in surface water were elevated above the secondary standards in portions of the watershed where the mining activity has taken place. Sulfate and total dissolved solids (in addition to aluminum and manganese) typically exceeded the secondary standard where the greatest amount of mining has taken place. Similarly, long term average concentrations of aluminum and manganese exceeded the secondary standards on Hopkins Fork at TS-68. Sulfate and total dissolved solids were also somewhat elevated, but did not exceed the secondary standard. No other parameters exceeded the drinking water standards at location TS-68.

It appears that wells at locations DW-25 and DW-26 derive their water from the valley bottom bedrock aquifer rather than the shallow alluvial deposits along Hopkins Fork. Groundwater generally flows from the bedrock aquifer into the alluvium. Therefore, it would not be expected that surface water quality would impact groundwater quality at locations DW-25 and DW-26. However, it is possible that failed or improperly seated well casings at these locations could allow infiltration of alluvial groundwater into the well and lead to elevated sulfate concentrations. The presence of elevated iron in the two wells could not be attributed to surface water or alluvial groundwater infiltration, because iron was not elevated in surface water.

Two samples were collected from valley fill discharges at the former Orgas No. 2 mine and three samples were collected from groundwater discharges adjacent to the mine site. The results of laboratory testing of samples VF-3 and VF-4 are summarized in Table 2. Samples VF-3 and VF-4 were collected to provide information regarding the expected water quality within the valley fill material. The valley fills are not located within the same watershed as wells DW-25 and DW-26, and therefore, are not hydrologically connected to the wells. The results of laboratory testing of samples GW-1 through GW-3 are summarized in Table 3.

Laboratory analysis of the environmental samples indicates that samples VF-3, VF-4 and GW-2 are mine-drainage related, and samples GW-1 and GW-3 are more indicative of natural groundwater. Samples VF-3, VF-4 and GW-2 exceeded the primary drinking water standard for beryllium and the secondary standard for sulfate and total dissolved solids, whereas samples GW-1 and GW-3 did not. Sample GW-2 also contained high acidity, similar to the two valley fill discharge samples and unlike samples GW-1 and GW-3. Samples VF-3, VF-4 and GW-2 also exceeded the secondary standard for aluminum and manganese. Sample GW-1 exceeded the secondary standard for iron, while sample GW-3 exceeded the secondary standard for iron, while sample GW-3 exceeded the secondary standard for iron, while sample GW-3 exceeded the secondary standard for iron, while sample GW-3 exceeded the secondary standard for iron, while sample GW-3 exceeded the secondary standard for iron, while sample GW-3 exceeded the secondary standard for manganese. All environmental samples exceeded the

Assessment of Potentially Impacted Wells-Rev 0 Boone County, West Virginia secondary standard for pH, although samples VF-3, VF-4, GW-2 and GW-3 exhibited very low pH values (approximately 4.5), while sample GW-1 exhibited a pH only slightly below the standard of 6.5. Barium, cadmium, selenium and thallium were present in samples VF-3 and VF-4 at concentrations below the primary drinking water standard. Both selenium and thallium were detected below the PQL. Volatile organic compounds were not detected in any environmental sample.

Results of analysis of sample MD-2, collected previously by Ackenhiel Engineers and Geologists, Inc. on December 12, 2007 on behalf of the WVDEP Office of Abandoned Mine Lands and Reclamation, is also presented on Table 3. Sample MD-2 was collected from an abandoned underground mine in the Fire Clay seam and can reasonably be expected to contain water of similar quality to underground workings adjacent to locations DW-25 and DW-26. Laboratory analysis indicates that MD-2 exceeded the secondary standards for iron and sulfate.

The distribution of major cations and anions in the environmental samples, as well as samples DW-25 and DW-26, were plotted on Piper and Stiff diagrams (Figures 4 through 12). Stiff diagrams portray the distribution of major cation and anion prevalence as a physical shape. Samples associated with mine-related impact are typically skewed to the upper portion of the diagram, exhibiting a strong magnesium sulfate signature. In our previous investigation, samples collected from valley fill discharges plotted very strong magnesium sulfate signatures. Environmental samples VF-3 and VF-4, collected during this investigation, both exhibited this common shape, as did sample GW-2. Samples GW-1 and GW-3 also exhibited magnesium sulfate signatures, but to a much lesser degree. These samples exhibited cation-anion signatures more like shallow groundwater than mine-related drainage. Sample MD-2 exhibited a sodium/potassium-sulfate signature. Stiff diagrams prepared for samples DW-25 and DW-26 indicate calcium-sulfate and calcium-bicarbonate signatures, respectively.

Typically, samples that plot within the upper portion of the Piper diagram are generally associated with mine-related impacts. In our previous investigation, surface water samples, valley fill samples, and most mine drainage and slurry related samples plotted in the upper portion of the Piper diagrams. Samples collected during this investigation followed a pattern similar to that noted above when plotted on Piper diagrams. The two valley fill samples (VF-3 and VF-4) both plotted at the peak of the Piper diagram. Sample GW-2 also plotted in the extreme upper portion of the Piper diagram, while samples GW-1 and GW-3 plotted in the upper portion of the Piper diagram. Sample MD-2 plotted in the lower portion of the

Assessment of Potentially Impacted Wells-Rev 0 Boone County, West Virginia Piper diagram. Samples DW-25 and DW-26 plotted in the center to upper portions of the diagram.

In summary, laboratory analysis of the five environmental samples suggests that the reclaimed surface mine may be impacting groundwater quality to a limited degree in the immediate vicinity of the mine site. However, the impacts do not appear to be of sufficient magnitude or extent to degrade the valley bottom bedrock aquifer where DW-25 and DW-26 are located. The valley fills (VF-3 and VF-4) are located across the groundwater drainage divide from locations DW-25 and DW-26, and therefore, are not hydrologically connected to the wells. Additionally, the lowermost seam mined at the former Orgas No. 2 mine lies at an elevation approximately 650 ft. above the domestic wells

Samples GW-1, GW-2 and GW-3, are located within the same groundwater drainage area as locations DW-25 and DW-26 at an elevation approximately 300 ft. above the domestic wells. Sample GW-2 exhibited mine-related impacts. Sample GW-3, collected in the same general area as GW-2 presented limited evidence of mine-related impact, including low pH and slightly elevated manganese. Sample GW-1, collected from the same area, did not exhibit evidence of mine-related impact. Piper/Stiff diagrams indicate that cation-anion distribution at these locations is different from that observed at DW-25 and DW-26.

Water quality at the abandoned deep mine in the Fire Clay seam (MD-2) was most similar to water previously sampled from locations DW-25 and DW-26. Both iron and sulfate were elevated at MD-2 and at locations DW-25 and DW-26. Piper/Stiff diagrams did not indicate that cation-anion distributions were identical at the locations, but the distributions were more similar than samples representing the reclaimed surface mine. Also, groundwater pooled within the abandoned deep mines lies at an elevation near the valley bottom aquifer, and therefore, has a greater potential to impact water quality within the aquifer. Therefore, it is more likely that water associated with abandoned workings in the Fire Clay seam are impacting water quality at DW-25 and DW-26, than discharge from the Orgas No. 2 surface mine.

## 6.0 RECOMMENDATIONS

Because plumbing and electrical connections have been removed from the wells at locations DW-25 and DW-26, the residents cannot use this water for any purpose. Also, public water

has been extended to supply these locations since the time of our previous study. Therefore, it appears that no actions are required at these locations.

Public water is also provided at location DW-32. However, the resident has plumbed the well to supply water for outdoor use. Our sampling and analysis detected lead above the drinking water standard in a sample collected immediately from the well with no flushing of the plumbing or pressure tank. Also, very low levels of household chemicals were detected in the same sample. After 10 gallons were flushed from the well and plumbing system, all drinking water parameters were less than the applicable standards. Therefore, we recommend that the resident do not use the well for any purpose until consulting with the appropriate public health officials.

## TABLES



Table 1           Eddie Hall Residence - Exterior Hose Bib           Latitude 38.0957, Longitude 81.6315										
	Latitude 38	.0957, LON March 28 2	gituae 81.6 2012	315						
Analyte	Drinking Water	Units	MCL	DW-32R1	Sample ID DW-32R2	DW-32R3				
Temperature	Otandard	C°	NA	19.7	17.5	17.2				
pH		SU	6.5-8.5	7.56	7.84	8.01				
Conductivity		uS	NA	596	592	554				
Aluminum	Secondary	mg/L	0.2	0.008	ND	ND				
Antimony	Primary	mg/L	0.006	ND	ND	ND				
Arsenic	Primary	mg/L	0.01	ND	ND	ND				
Barium	Primary	mg/L	2	0.393	0.372	0.371				
Beryllium	Primary	mg/L	0.004	ND	ND	ND				
Cadmium	Primary	mg/L	0.005	ND	ND	ND				
Calcium		mg/L	NA	5.31	5.12	5.46				
Chromium	Primary	mg/L	0.1	ND	ND	ND				
Cobalt		mg/L	NA	ND	ND	ND				
Copper	Secondary	mg/L	1	0.115	0.0529	0.0343				
Iron	Secondary	mg/L	0.3	0.799	0.146	0.11				
Lead	Primary	mg/L	0.015	0.0188	0.0054	0.0059				
Magnesium	0	mg/L	NA	1.36	1.29	1.37				
Manganese	Secondary	mg/L	0.05	0.011 J	0.007 J	0.006 J				
Mehrbalereure	Primary	mg/L	0.002	ND						
Nishal		mg/L	NA NA	0.0013 J	0.0026 J	0.0021 J				
		mg/L	NA NA	0.0028 J	ND 0.02	ND				
Potassium	Drimon	mg/L	INA 0.05	2.02	2.03	2.2				
Selenium	Plillary	mg/L	0.05	ND		ND				
Silver	Secondary	mg/L	0.1	110	ND 114	124				
Strontium		mg/L		0.451	0.421	0.427				
Thallium	Primony	mg/L	0.002	0.431 ND	0.431 ND	0.427 ND				
Tin	Fillindiy	mg/L	0.002	ND		ND				
Titanium		mg/L		ND		ND				
Uranium	Primary	mg/L	0.03	ND	ND	ND				
Vanadium	Thindry	mg/L	0.03 ΝΔ	ND	ND	ND				
Zinc	Secondary	mg/L	5	0.239	0.134	0.094				
MBAS	Secondary	mg/L	0.5	ND		0.004 ND				
Acidity Total	Cooondary	mg/L	NA	23	9.1 J	8.8 J				
Alkalinity, Bicarbonate (As CaCO3)		ma/L	NA	137	131	133				
Alkalinity, Carbonate (As CaCO3)		ma/L	NA	ND	ND	ND				
Alkalinity, Total (As CaCO3)		ma/L	NA	137	131	133				
Chloride	Secondary	mg/L	250	76.5	73	73				
Fluoride	Secondary	mg/L	2	0.51	0.58	0.49				
Sulfate	Secondary	mg/L	250	ND	ND	ND				
Total Dissolved Solids	Secondary	mg/L	500	384	411	404				
1,1,1,2-Tetrachloroethane	Primary	mg/L	NA	ND	ND	ND				
1,1,1-Trichloroethane	Primary	mg/L	0.2	ND	ND	ND				
1,1,2,2-Tetrachloroethane		mg/L	NA	ND	ND	ND				
1,1,2-Trichloroethane		mg/L	0.005	ND	ND	ND				
1,1-Dichloroethane		mg/L	NA	ND	ND	ND				
1,1-Dichloroethene		mg/L	NA	ND	ND	ND				
1,1-Dichloropropene		mg/L	NA	ND	ND	ND				
1,2,3-Trichlorobenzene		mg/L	NA	ND	ND	ND				
1,2,3-Trichloropropane		mg/L	NA	ND	ND	ND				
1,2,4-Trichlorobenzene		mg/L	0.07	ND	ND	ND				
1,2,4-Trimethylbenzene		mg/L	NA	ND	ND	ND				
1,2-Dibromo-3-chloropropane	Primary	mg/L	0.0002	ND	ND	ND				
1,2-Dibromoethane	Primary	mg/L	0.005	ND	ND	ND				
1,2-Dichlorobenzene		mg/L	NA	ND	ND	ND				
1,2-Dichloroethane		mg/L	NA	ND	ND	ND				
1,2-Dichloropropane	Primary	mg/L	0.005	ND	ND	ND				
1,3,5-Trimethylbenzene		mg/L	NA	ND	ND	ND				
1,3-Dichlorobenzene		mg/L	NA	ND	ND	ND				

Table 1										
	Eddie Hall Re	sidence - E	xterior Ho	se Bib						
	Latitude 38	.0957, Lon	gitude 81.6	315						
		March 28, 2	012							
	Drinking Water				Sample ID					
Analyte	Standard	Units	MCL	DW-32R1	DW-32R2	DW-32R3				
1,3-Dichloropropane		mg/L	NA	ND	ND	ND				
1,4-Dichlorobenzene		mg/L	NA	0.0004 J	ND	ND				
2,2-Dichloropropane		mg/L	NA	ND	ND	ND				
2-Butanone		mg/L	NA	ND	ND	ND				
2-Chlorotoluene		mg/L	NA	ND	ND	ND				
2-Hexanone		ma/L	NA	ND	ND	ND				
4-Chlorotoluene		mg/L	NA	ND	ND	ND				
4-Isopropyltoluene		ma/L	NA	ND	ND	ND				
4-Methyl-2-pentanone		ma/L	NA	ND	ND	ND				
Acetone		ma/L	5500	0.0093 J	ND	ND				
Acrolein		ma/L	0.04	ND	ND	ND				
Acrylonitrile		ma/L	0.04	ND	ND	ND				
Benzene	Primary	ma/L	0.005	0.0004 J	ND	ND				
Bromobenzene		mg/l	NA	ND	ND	ND				
Bromochloromethane		mg/l	NA	ND	ND	ND				
Bromodichloromethane		mg/L	0.18	ND	ND	ND				
Bromoform		mg/L	NA	ND	ND	ND				
Bromomethane		mg/L	87	ND	ND	ND				
Carbon disulfide		mg/L	1000	ND	ND	ND				
Carbon tetrachloride		mg/L	0.005	ND	ND	ND				
Chlorobenzene	Primary	mg/L	0.000	ND	ND	ND				
Chloroethane	1 minury	mg/L	3.9	ND	ND	ND				
Chloroform		mg/L	0.17	ND	ND	ND				
Chloromethane		mg/L	190	ND	ND	ND				
cis-1 2-Dichloroethene		mg/L	NA	ND	ND	ND				
cis-1,3-Dichloropropene		mg/L	NA	ND	ND	ND				
Dibromochloromethane		mg/L	0.8	ND	ND	ND				
Dibromomethane		mg/L	NA	ND	ND	ND				
Dichlorodifluoromethane		mg/L	390	ND	ND	ND				
Ethylbenzene	Primary	mg/L	0.7	ND	ND	ND				
Hexachlorobutadiene		mg/L	0.86	ND	ND	ND				
lodomethane		mg/L	NA	ND	ND	ND				
Isopropylbenzene		ma/L	NA	ND	ND	ND				
m.p-Xvlene		ma/L	NA	ND	ND	ND				
Methyl tert-butyl ether		ma/L	17	ND	ND	ND				
Methylene chloride		ma/L	5	ND	ND	ND				
Naphthalene		ma/L	6.2	ND	ND	ND				
n-Butvlbenzene		ma/L	61	ND	ND	ND				
n-Propylbenzene		ma/L	370	ND	ND	ND				
o-Xvlene		ma/L	NA	ND	ND	ND				
sec-Butylbenzene		ma/L	NA	ND	ND	ND				
Styrene		ma/L	NA	ND	ND	ND				
tert-Butvlbenzene		ma/L	NA	ND	ND	ND				
Tetrachloroethene		ma/L	NA	ND	ND	ND				
Toluene		mg/L	1	ND	ND	ND				
trans-1.2-Dichloroethene		ma/L	NA	ND	ND	ND				
trans-1.3-Dichloropropene		ma/L	NA	ND	ND	ND				
Trichloroethene		ma/L	NA	ND	ND	ND				
Trichlorofluoromethane		ma/L	22	ND	ND	ND				
Vinvl acetate		ma/L	410	ND	ND	ND				
Vinyl chloride	Primary	mg/L	0.002	ND	ND	ND				

	Tabl	e 2			
v	alley Fill Dischar	ge - April	5, 2012		
	Former Battle Rid	ge Surface	Mine		
				00.00.0.5.1	00.00.00.4.1
				38-03-8.5 N	38-03-23.4 N
	Drinking Water			Sam	ol-33-49.9 W
Analyte	Standard	Units	MCL	VF-3	VF-4
Temperature	etanda a	C <sup>0</sup>	NA	14.4	14.1
pH		SU	6.5-8.5	4.5	4.5
Conductivity		uS	NA	2870	3167
Aluminum	Secondary	mg/L	0.2	4.48	11.5
Antimony	Primary	mg/L	0.006	ND	ND
Arsenic	Primary	mg/L	0.01	ND	ND
Barium	Primary	mg/L	2	0.0116	0.0110
Cadmium	Primary	mg/L	0.004	0.0108	0.0204
Calcium	Fillindiy	mg/L	0.005 NA	230	258
Chromium	Primary	mg/L	0.1	ND	ND
Cobalt		ma/L	NA	0.312 J	0.564 J
Copper	Secondary	mg/L	1	0.0178	0.0216
Iron	Secondary	mg/L	0.3	0.152 J	ND
Lead		mg/L	0.015	0.0009 J	0.0041
Magnesium		mg/L	NA	329	415
Manganese	Secondary	mg/L	0.05	31.5	45.5
Mercury	Primary	mg/L	0.002	ND	ND
Molybdenum		mg/L	NA	ND	0.0023 J
Nickel		mg/L	NA	0.499	0.673
Potassium	Drimony	mg/L		10.5	17.8
Silver	Secondary	mg/L	0.05	0.0034 J	0.0043 J
Sodium	Secondary	mg/L	NA	5.89 .1	6.68 J
Strontium		mg/L	NA	0.973	0.867
Thallium	Primary	mg/L	0.002	0.0002 J	0.0005 J
Tin		mg/L	NA	ND	ND
Titanium		mg/L	NA	0.0226	0.0228
Uranium	Primary	mg/L	0.03	ND	0.0014 J
Vanadium		mg/L	NA	ND	ND
Zinc	Secondary	mg/L	5	0.472 J	0.952
MBAS	Secondary	mg/L	0.5	ND 101	ND
Alkalinity, Total		mg/L	NA NA	131	114
Alkalinity, Dicarbonate (As CaCO3)		mg/L	NΑ		
Alkalinity, Total (As CaCO3)		mg/L	NA	17 J	10 J
Chloride	Secondary	ma/L	250	1.51	2.05
Fluoride	Secondary	mg/L	2	0.46	0.70
Sulfate	Secondary	mg/L	250	1,860	2,110
Total Dissolved Solids	Secondary	mg/L	500	1,900	2,450
1,1,1,2-Tetrachloroethane	Primary	mg/L	NA	ND	ND
1,1,1-Trichloroethane	Primary	mg/L	0.2	ND	ND
1,1,2,2-I etrachloroethane		mg/L	NA	ND	ND
1,1,2-1 hchioroethane		mg/L	0.005	ND	ND
		mg/L	NA NA	ND	ND
1 1-Dichloropropene		mg/L	NΔ	ND	ND
1 2 3-Trichlorobenzene		mg/L	NA	ND	ND
1.2.3-Trichloropropane		ma/L	NA	ND	ND
1,2,4-Trichlorobenzene		mg/L	0.07	ND	ND
1,2,4-Trimethylbenzene		mg/L	NA	ND	ND
1,2-Dibromo-3-chloropropane	Primary	mg/L	0.0002	ND	ND
1,2-Dibromoethane	Primary	mg/L	0.005	ND	ND
1,2-Dichlorobenzene		mg/L	NA	ND	ND
1,2-Dichloroethane	Deia	mg/L	NA	ND	ND
1,2-Dichloropropane	Primary	mg/L	0.005		ND
1,3,5-1 rimetnyibenzene		mg/L	NA NA		
1 3-Dichloropropage		mg/L	NΔ		ND
1,4-Dichlorobenzene	1	ma/L	NA	ND	ND

Table 2									
	Valley Fill Dischar	ge - April	5, 2012						
	Former Battle Ride	ge Surface	Mine						
				20 02 0 5 N	29.02.22.4 N				
				81-35-55 1 W	30-03-23.4 N 81-35-49 9 W				
	Drinking Water			51-55-55.1 W	01-33-49.9 W				
Analyte	Standard	Units	MCL	VE-3	VE-4				
2.2 Dichloropropano	Stanuaru	ma/l	ΝIΔ	VI-5					
		mg/L	NA		ND				
2-Chlorotoluene		mg/L	NA	ND	ND				
		mg/L	NA		ND				
4-Chlorotoluene		mg/L	NA	ND	ND				
4-Isopropyltoluene		mg/L	NA	ND	ND				
4-Methyl-2-pentanone		mg/L	NA	ND	ND				
Acetone		mg/L	5500	ND	ND				
Acrolein		mg/L	0.04	ND	ND				
Acrylonitrile		mg/L	0.04	ND	ND				
Benzene	Primary	ma/l	0.005	ND	ND				
Bromobenzene	i findary	ma/l	NA	ND	ND				
Bromochloromethane		ma/l	NA	ND	ND				
Bromodichloromethane		ma/L	0.18	ND	ND				
Bromoform		ma/L	NA	ND	ND				
Bromomethane		ma/L	8.7	ND	ND				
Carbon disulfide		ma/L	1000	ND	ND				
Carbon tetrachloride		ma/L	0.005	ND	ND				
Chlorobenzene	Primary	mg/L	0.1	ND	ND				
Chloroethane	· · · · ·	mg/L	3.9	ND	ND				
Chloroform		mg/L	0.17	ND	ND				
Chloromethane		mg/L	190	ND	ND				
cis-1,2-Dichloroethene		mg/L	NA	ND	ND				
cis-1,3-Dichloropropene		mg/L	NA	ND	ND				
Dibromochloromethane		mg/L	0.8	ND	ND				
Dibromomethane		mg/L	NA	ND	ND				
Dichlorodifluoromethane		mg/L	390	ND	ND				
Ethylbenzene	Primary	mg/L	0.7	ND	ND				
Hexachlorobutadiene		mg/L	0.86	ND	ND				
lodomethane		mg/L	NA	ND	ND				
Isopropylbenzene		mg/L	NA	ND	ND				
m,p-Xylene		mg/L	NA	ND	ND				
Methyl tert-butyl ether		mg/L	17	ND	ND				
Methylene chloride		mg/L	5	ND	ND				
Naphthalene		mg/L	6.2	ND	ND				
n-Butylbenzene		mg/L	61	ND	ND				
n-Propylbenzene		mg/L	370	ND	ND				
o-Xylene		mg/L	NA	ND	ND				
sec-Butylbenzene		mg/L	NA	ND	ND				
Styrene		mg/L	NA	ND	ND				
tert-Butylbenzene		mg/L	NA	ND	ND				
I etrachloroethene		mg/L	NA	ND	ND				
Toluene		mg/L	1	ND	ND				
trans-1,2-Dichloroethene		mg/L	NA	ND	ND				
trans-1,3-Dichloropropene		mg/L	NA	ND	ND				
Irichloroethene		mg/L	NA	ND	ND				
Irichlorofluoromethane		mg/L	22	ND	ND				
Vinyl acetate	D.:	mg/L	410	ND	ND				
Vinyl chloride	Primary	mg/L	0.002	ND	ND				

	0	dwatar D	Table 3	April 5 0040			
	Groun Belo	dwater D w Former	Battleridge	- April 5, 2012 Surface Mine	1		
				38-03-22.75	38-03-17.37	38-03-02.59	38-02-07.72
				81-36-25.15	81-36-30.09	81-36-41.47	81-36-54.15
Analyte	Drinking Water	Units	MCL	0111.1	San	ple ID	
	Standard	00		GW-1	GW-2	GW-3	MD-2
Temperature		C°	NA	10.9	11.5	12.1	NA
pH Conductivity		50	6.5-8.5	<u> </u>	4.6 1255	4.75	764
Aluminum	Secondary	mg/l	0.2	0.215	8.94	0.258	ND
Antimony	Primary	ma/L	0.006	ND	ND	ND	NA
Arsenic	Primary	mg/L	0.01	ND	ND	ND	NA
Barium	Primary	mg/L	2	0.0536	0.0182	0.0254	NA
Beryllium	Primary	mg/L	0.004	ND	0.0192	0.0009 J	NA
Cadmium	Primary	mg/L	0.005	ND	0.0020	ND	NA
Calcium		mg/L	NA	4.12	86.3	13.8	28.9
Chromium	Primary	mg/L	0.1	ND	ND	ND	NA
Copper	Secondary (	mg/L	NA 1	ND 0.0010 1	0.161	ND	NA
Iron	Secondary	mg/L	03	0.0019 J	0.0099	0.0017 J	0.32
Lead	Occontrary	ma/l	0.015	0.0005	0.0004 J	0.0013	ND
Magnesium	1	ma/L	NA	7.29	97.2	12.7	10.3
Manganese	Secondary	mg/L	0.05	0.025 J	12.5	0.328	ND
Mercury	Primary	mg/L	0.002	ND	ND	ND	NA
Molybdenum		mg/L	NA	0.0023 J	0.0013 J	ND	NA
Nickel		mg/L	NA	0.0023 J	0.598	0.0265	NA
Potassium		mg/L	NA	1.76	8.46	8.58	5.83
Selenium	Primary	mg/L	0.05	ND	0.0030 J	0.0010 J	NA
Silver	Secondary	mg/L	0.1	ND 2.05	ND 2.71	ND	NA 117
Strontium		mg/L	NA NA	2.05	0.561	0.170	NA
Thallium	Primary	mg/L	0.002	0.0352 ND	ND	0.170 ND	NA
Tin	Thinkiry	mg/L	NA	ND	ND	ND	NA
Titanium		mg/L	NA	0.0026 J	0.0081	0.0014 J	NA
Uranium	Primary	mg/L	0.03	ND	ND	ND	NA
Vanadium		mg/L	NA	ND	ND	ND	NA
Zinc	Secondary	mg/L	5	0.008 J	0.973	0.049 J	NA
MBAS	Secondary	mg/L	0.5	ND	ND	ND	NA
Acidity, Total		mg/L	NA	6.3 J	87.3	9.2 J	ND 100
Alkalinity, Bicarbonate (As CaCO3)		mg/L	NA NA	5.5 J	ND	ND	
Alkalinity, Carbonate (As CaCO3)		mg/L	NA	55	ND	ND	120
Chloride	Secondary	mg/L	250	0.82 J	0.71 J	1.14	1
Fluoride	Secondary	mg/L	2	ND	0.78	ND	NA
Sulfate	Secondary	mg/L	250	38.9	738	96.2	255
Total Dissolved Solids	Secondary	mg/L	500	60	1,050	170	NA
1,1,1,2-Tetrachloroethane	Primary	mg/L	NA	ND	ND	ND	NA
1,1,1-Trichloroethane	Primary	mg/L	0.2	ND	ND	ND	NA
1,1,2,2- I etrachloroethane		mg/L	NA 0.005	ND ND	ND	ND	NA
1,1,2-Trichloroethane		mg/L	0.005	ND	ND	ND	NA NA
1 1-Dichloroethene		mg/L	NA	ND	ND	ND	NA
1.1-Dichloropropene		ma/L	NA	ND	ND	ND	NA
1,2,3-Trichlorobenzene		mg/L	NA	ND	ND	ND	NA
1,2,3-Trichloropropane		mg/L	NA	ND	ND	ND	NA
1,2,4-Trichlorobenzene		mg/L	0.07	ND	ND	ND	NA
1,2,4-Trimethylbenzene		mg/L	NA	ND	ND	ND	NA
1,2-Dibromo-3-chloropropane	Primary	mg/L	0.0002	ND	ND	ND	NA
1,2-Dibromoethane	Primary	mg/L	0.005	ND	ND	ND	NA
		mg/L	NA NA				NA NA
1.2-Dichloropropape	Primary	mg/L	0.005				NA NA
1.3.5-Trimethylbenzene	i initial y	ma/l	NA	ND	ND	ND	NA
1,3-Dichlorobenzene	1	ma/L	NA	ND	ND	ND	NA
1,3-Dichloropropane		mg/L	NA	ND	ND	ND	NA
1,4-Dichlorobenzene		mg/L	NA	ND	ND	ND	NA

Groundwater Discharge - April 5.2912           Below Former Battleridge Surface Mine           38-03-22.75         38-03-02.59         39-03-02.59         39-02-07.72           31-05-25.15         81-03-05.01         39-03-02.59	Table 3									
Barbar         Barbar<		Groun Belo	dwater D	ischarge Battleridge	- April 5, 2012 Surface Mine	!				
38-03-22 /s         38-03-02 /s					00 00 00 75	00.00.17.07		00.00.07.70		
Analyte         Drinking Water Standard         Units         MCL         Sample D           2.2-Dichloropropane         mg/L         NA         ND         ND         NA           2.2-Dichloropropane         mg/L         NA         ND         ND         NA           2.4-Unorotoluene         mg/L         NA         ND         ND         NA           2-Chorotoluene         mg/L         NA         ND         ND         NA           2-Hexanone         mg/L         NA         ND         ND         NA           4-Chorotoluene         mg/L         NA         ND         ND         NA           4-dethyt-2-pertainone         mg/L         0.04         ND         ND         NA           Acrolein         mg/L         0.04         ND         ND         NA           Acroleinin         mg/L         0.04         ND         ND         NA           Bernzene         Primary         mg/L         NA         ND         ND         NA           Bromochoromehane         mg/L         NA         ND         ND         NA         NA           Bromochoromehane         mg/L         NA         ND         ND         NA         <					38-03-22.75	38-03-17.37	38-03-02.59	38-02-07.72		
Analyte         Unikity Standard         Unikity mg/L         NA         ND         GW-1         GW-2         GW-3         MD-2           2.2-Dichloropropane         mg/L         NA         ND         ND         ND         NA           2.2-Dichloropropane         mg/L         NA         ND         ND         ND         NA           2-Dichloropropane         mg/L         NA         ND         ND         NA           2-Chorotoluene         mg/L         NA         ND         ND         NA           4-Gioroprofuene         mg/L         NA         ND         ND         NA           4-Gioroprofuene         mg/L         NA         ND         ND         NA           4-Goroprofuene         mg/L         NA         ND         ND         NA           Acetone         mg/L         0.04         ND         ND         NA           Beromodenizomethane         mg/L         0.04         ND         ND         ND         NA           Beromodenizomethane         mg/L         NA         ND         ND         ND         NA           Beromodenizomethane         mg/L         0.18         ND         ND         NA		Deletion e Motore	1		81-30-25.15	81-36-30.09	81-36-41.47	81-30-54.15		
Standaro         mg/L         NA         ND         ND         ND         ND         NA           2-Buchoropropane         mg/L         NA         ND         ND         ND         NA           2-Buchoropropane         mg/L         NA         ND         ND         ND         NA           2-Horotoluene         mg/L         NA         ND         ND         ND         NA           4-Chorotoluene         mg/L         NA         ND         ND         ND         NA           4-Chorotoluene         mg/L         NA         ND         ND         ND         NA           4-Methyl-2-pentanone         mg/L         0.04         ND         ND         ND         NA           Actolerin         mg/L         0.044         ND         ND         ND         NA           Berzene         Primary         mg/L         0.044         ND         ND         ND         NA           Berance         mg/L         0.044         ND         ND         ND         NA           Berance         mg/L         0.044         ND         ND         ND         NA           Berance         mg/L         0.18         ND	Analyte	Drinking Water	Units	MCL	CW/ 4	Sam	ple ID	MD 0		
22-bitotopprograme         mg/L         NA         ND         ND         NA           22-bitotoluene         mg/L         NA         ND         ND         ND         NA           22-bitotoluene         mg/L         NA         ND         ND         ND         NA           42-bitotoluene         mg/L         NA         ND         ND         ND         NA           42-bitotoluene         mg/L         NA         ND         ND         NA           44-bitototuene         mg/L         NA         ND         ND         NA           Atsopropritoleune         mg/L         NA         ND         ND         NA           Actolen         mg/L         0.04         ND         ND         NA           Actolein         mg/L         0.04         ND         ND         NA           Bromochitormethane         mg/L         0.04         ND         ND         NA           Bromochitormethane         mg/L         0.04         ND         ND         NA           Bromochitormethane         mg/L         0.13         ND         ND         NA           Bromochitormethane         mg/L         0.14         ND         ND		Standard			GW-1	GW-2	GW-3	MD-2		
Zabilanole         mg/L         NA         ND         ND         ND         NA           Z-Chiorotoluene         mg/L         NA         ND         ND         ND         NA           Z-Horotoluene         mg/L         NA         ND         ND         ND         NA           Z-Horotoluene         mg/L         NA         ND         ND         ND         NA           Z-Morotoluene         mg/L         NA         ND         ND         ND         NA           Actorone         mg/L         S500         ND         ND         ND         NA           Acrolein         mg/L         0.04         ND         ND         NA         Acrolein         Acrolein         NA           Benzene         Primary         mg/L         0.04         ND         ND         NA           Bromochromethane         mg/L         NA         ND         ND         NA         Screenee         NA           Bromochromethane         mg/L         NA         ND         ND         NA         Screenee         ND         NA           Bromochromethane         mg/L         0.18         ND         ND         NA         Screenee         ND	2,2-Dichloropropane		mg/L	NA	ND	ND	ND	NA		
2-Infortatione         mg/L         NA         ND         ND         ND         NA           2-Instantone         mg/L         NA         ND         ND         ND         NA           4-Chorotaluene         mg/L         NA         ND         ND         ND         NA           4-logropythulene         mg/L         NA         ND         ND         ND         NA           4-descriptive         mg/L         NA         ND         ND         ND         NA           A-tectone         mg/L         0.04         ND         ND         NA           Acrolenin         mg/L         0.04         ND         ND         NA           Berzene         primary         mg/L         0.055         ND         ND         ND         NA           Bromochibrornethane         mg/L         0.405         ND         ND         ND         NA           Bromochibrornethane         mg/L         NA         ND         ND         ND         NA           Bromochibrornethane         mg/L         1.0         NA         ND         ND         NA           Carbon tetrachoride         mg/L         0.1         ND         ND         NA	2-Butanone		mg/L	NA	ND	ND	ND	NA		
2+restantione         mg/L         NA         ND         ND         ND         ND         NA           4-Schoropticuluene         mg/L         NA         ND         ND         ND         NA           4-stopropyticuluene         mg/L         NA         ND         ND         ND         NA           A-tectoien         mg/L         5500         ND         ND         ND         NA           Acrolein         mg/L         0.34         ND         ND         ND         NA           Acrolein         mg/L         0.04         ND         ND         ND         NA           Berzene         Primary         mg/L         0.04         ND         ND         NA           Bromochromethane         mg/L         NA         ND         ND         NA           Bromodichioromethane         mg/L         0.18         ND         ND         NA           Bromodichioromethane         mg/L         8.7         ND         ND         NA           Bromodichioromethane         mg/L         8.7         ND         ND         NA           Carbon restrachioride         mg/L         8.7         ND         ND         NA           <	2-Chiorotoluene		mg/L	NA	ND	ND	ND	NA		
Ar-Dirologidane         IngL         NA         ND         ND         ND         ND         ND         ND         ND         ND         ND         NA           4-Mettryl-2-pertanone         mg/L         NA         ND         ND         ND         NA           A-dectone         mg/L         0.04         ND         ND         ND         NA           Acrolein         mg/L         0.04         ND         ND         ND         NA           Benzene         Primary         mg/L         0.04         ND         ND         NA           Bromochoromethane         Primary         mg/L         0.005         ND         ND         ND         NA           Bromochoromethane         mg/L         NA         ND         ND         ND         NA           Bromochoromethane         mg/L         0.18         ND         ND         ND         NA           Bromochoromethane         mg/L         0.48         ND         ND         ND         NA           Bromochoromethane         mg/L         0.18         ND         ND         ND         NA           Carbon disulfiele         mg/L         0.41         ND         ND         ND </td <td>2-Hexanone</td> <td></td> <td>mg/L</td> <td>NA</td> <td>ND</td> <td>ND</td> <td>ND</td> <td>NA</td>	2-Hexanone		mg/L	NA	ND	ND	ND	NA		
ethologination         mgL         NA         ND         NA           Acrolein         mg/L         0.04         ND         ND         ND         ND         NA           Acrolein         mg/L         0.04         ND         ND         ND         NA           Acrolein         mg/L         0.04         ND         ND         ND         NA           Benzene         Primary         mg/L         NA         ND         ND         NA           Bromochizomethane         mg/L         NA         ND         ND         NA         ND         ND         NA           Bromochizomethane         mg/L         0.18         ND         ND         ND         NA           Bromochizomethane         mg/L         1.000         ND         ND         ND         NA           Carbon tetrachloride         mg/L         1.000         ND         ND         NA         NA           Chioroethane         mg/L         0.17         ND         ND         NA         NA <t< td=""><td>4-Chiorotoluene</td><td></td><td>mg/L</td><td>NA NA</td><td>ND</td><td>ND</td><td>ND</td><td>NA</td></t<>	4-Chiorotoluene		mg/L	NA NA	ND	ND	ND	NA		
Hotemyl-2-perifatione         ImgL         NA         ND         ND         NA           Acctoine         mgL         5600         ND         ND         ND         NA           Acrylonitrile         mgL         0.04         ND         ND         NA           Benzene         Primary         mgL         0.04         ND         ND         NA           Bromobenzene         Primary         mgL         0.05         ND         ND         NA           Bromochioromethane         mgL         NA         ND         ND         NA           Bromochioromethane         mgL         NA         ND         ND         NA           Bromochioromethane         mgL         1.018         ND         ND         ND         NA           Bromochioromethane         mgL         1.000         ND         ND         NA         NA           Carbon disulfide         mgL         0.01         ND         ND         NA         NA           Carbon disulfide         mgL         0.01         ND         ND         NA         NA           Carbon disulfide         mgL         0.01         ND         ND         NA         NA	4-Isopropyitoluene		mg/L	NA	ND	ND	ND	NA		
Accorde         mg/L         SSU0         ND         ND         NA           Acrolein         mg/L         0.04         ND         ND         NA           Acrolein         mg/L         0.04         ND         ND         NA           Barzene         Primary         mg/L         0.04         ND         ND         NA           Bromochioromethane         mg/L         NA         ND         ND         ND         NA           Bromochioromethane         mg/L         0.18         ND         ND         ND         NA           Bromochioromethane         mg/L         8.7         ND         ND         ND         NA           Bromochioromethane         mg/L         1000         ND         ND         NA         NA           Carbon tetrachioride         mg/L         0.05         ND         ND         ND         NA           Chiorobenzene         Primary         mg/L         0.17         ND         ND         NA           Chiorobenzene         mg/L         0.417         ND         ND         ND         NA           Chiorobenzene         mg/L         0.417         ND         ND         ND         NA	4-Methyl-2-pentanone		mg/L	INA	ND	ND	ND	NA NA		
Activation         Impl.         0.04         ND         ND         NA           Berzene         Primary         mgL.         0.04         ND         ND         NA           Benzene         Primary         mgL.         NA         ND         ND         NA           Bromobenzene         mgL.         NA         ND         ND         NA           Bromochioromethane         mgL.         NA         ND         ND         NA           Bromochioromethane         mgL.         NA         ND         ND         NA           Bromochioromethane         mgL.         NA         ND         ND         NA           Bromochitide         mgL.         0.18         ND         ND         ND         NA           Carbon disulide         mgL.         0.005         ND         ND         ND         NA           Chioroberane         Primary         mgL.         0.1         ND         ND         ND         NA           Chioroberthane         mgL.         10.1         ND         ND         NA         NA           Chioroberthane         mgL.         10.1         ND         ND         NA         NA           Chiororo	Acetone		mg/L	5500	ND	ND	ND	NA		
Actyoninine         Primary         mg/L         0.005         ND         ND         ND         NA           Bornene         mg/L         NA         ND         ND         ND         NA           Bromochoromethane         mg/L         NA         ND         ND         ND         NA           Bromochoromethane         mg/L         0.18         ND         ND         ND         NA           Carbon tetrachoride         mg/L         0.005         ND         ND         ND         NA           Chiorobenzene         Primary         mg/L         0.17         ND         ND         ND         NA           Chiorobenzene         mg/L         0.47         ND         ND         ND         NA           Chiorobenzene         mg/L         NA         ND         ND         NA         ND         ND         NA           Chior	Acrolein		mg/L	0.04	ND	ND	ND	NA		
Benzene         Primary         mg/L         0.005         ND         ND         ND         NA           Bromobenzene         mg/L         NA         ND         ND         ND         NA           Bromobenzene         mg/L         NA         ND         ND         ND         NA           Bromodenizomethane         mg/L         0.18         ND         ND         ND         NA           Bromodenizomethane         mg/L         0.18         ND         ND         ND         NA           Bromodenizomethane         mg/L         0.17         ND         ND         ND         NA           Carbon disulide         mg/L         0.005         ND         ND         ND         NA           Carbon disulide         mg/L         0.17         ND         ND         ND         NA           Chiorobenzene         mg/L         130         ND         ND         NA         NA           Chiorobenzene         mg/L         NA         ND         ND         ND         NA           Chiorobenzene         mg/L         NA         ND         ND         ND         NA           Chiorobenzene         mg/L         NA         ND	Acryionitrile	Deinen	mg/L	0.04	ND	ND	ND	NA NA		
Difficiency         IngL         INA         ND         ND         ND         NA           Bromachioromethane         mg/L         0.18         ND         ND         ND         NA           Bromachioromethane         mg/L         0.18         ND         ND         ND         NA           Bromoethane         mg/L         8.7         ND         ND         ND         NA           Carbon tetrachloride         mg/L         1000         ND         ND         ND         NA           Chlorobenzene         Primary         mg/L         0.11         ND         ND         NA           Chlorobenzene         Primary         mg/L         0.17         ND         ND         NA           Chlorobenzene         mg/L         0.17         ND         ND         NA           Chlorobenzene         mg/L         190         ND         ND         NA           Chlorobenzene         mg/L         0.17         ND         ND         NA           Chlorobenzene         mg/L         0.47         ND         ND         NA           Chlorobenzene         mg/L         0.47         ND         ND         NA           Dibromochloropr	Benzene	Primary	mg/L	0.005	ND	ND	ND	NA		
Bromocholonomethane         mgL         NA         ND         ND         NA           Bromodich/oromethane         mg/L         0.18         ND         ND         ND         NA           Bromodich/oromethane         mg/L         8.7         ND         ND         ND         NA           Grabon disulfide         mg/L         1000         ND         ND         ND         NA           Carbon disulfide         mg/L         0.005         ND         ND         ND         NA           Carbon tetrachloride         mg/L         0.005         ND         ND         ND         NA           Chlorobenzene         Primary         mg/L         0.11         ND         ND         NA           Chlorobertane         mg/L         190         ND         ND         NA         A           Chlorobertane         mg/L         NA         ND         ND         NA         A           Chlorobertane         mg/L         NA         ND         ND         NA         A           Chlorobertane         mg/L         NA         ND         ND         NA         A           Dibromochloromethane         mg/L         0.86         ND         ND	Bromobenzene		mg/L	NA	ND	ND	ND	NA		
Bromolocinolocomenane         mgL         0.18         ND         ND         ND         NA           Bromosthane         mgL         8.7         ND         ND         ND         NA           Bromosthane         mg/L         1000         ND         ND         ND         NA           Carbon disulfide         mg/L         0.005         ND         ND         ND         NA           Carbon disulfide         mg/L         0.1         ND         ND         ND         NA           Chiorostenane         Primary         mg/L         0.1         ND         ND         NA           Chiorostenane         mg/L         0.17         ND         ND         ND         NA           Chiorostenane         mg/L         180         ND         ND         ND         NA           Chiorostenane         mg/L         NA         ND         ND         ND         NA           Distromochioropropene         mg/L         NA         ND         ND         ND         NA           Distromochiorostane         mg/L         0.86         ND         ND         ND         NA           Distromochiorostane         mg/L         0.86         ND	Bromochioromethane		mg/L	NA 0.40	ND	ND	ND	NA		
Bromomethane         mg/L         NA         ND         ND         ND         NA           Garbon disulfide         mg/L         8.7         ND         ND         ND         NA           Carbon tetrachloride         mg/L         0.005         ND         ND         ND         NA           Carbon tetrachloride         mg/L         0.1         ND         ND         NA           Chorobenzene         Primary         mg/L         0.1         ND         ND         NA           Chlorobenzene         mg/L         0.17         ND         ND         NA         NA           Chloroform         mg/L         0.17         ND         ND         NA         NA           Chloropromethane         mg/L         0.17         ND         ND         NA           Chloropropene         mg/L         NA         ND         ND         NA           Dibromomethane         mg/L         0.8         ND         ND         ND         NA           Dibromomethane         mg/L         390         ND         ND         ND         NA           Dibromomethane         mg/L         0.8         ND         ND         NA           E	Bromodicnioromethane		mg/L	0.18	ND	ND	ND	NA		
Bromomethane         mg/L         8.7         ND         ND         ND         NA           Carbon disulfide         mg/L         1000         ND         ND         ND         NA           Carbon disulfide         mg/L         0.005         ND         ND         ND         NA           Chloroethane         Primary         mg/L         0.1         ND         ND         NA           Chloroethane         mg/L         0.1         ND         ND         NA           Chloroethane         mg/L         0.17         ND         ND         NA           Chloroomethane         mg/L         100         ND         NA         NA           Cis-1,2-Dichloroopropene         mg/L         NA         ND         ND         NA           Dibromochloromethane         mg/L         0.4         ND         ND         NA           Dibromochloromethane         mg/L         0.7         ND         ND         NA           Dibromochloromethane         mg/L         0.86         ND         ND         NA           Dibromochloromethane         mg/L         0.7         ND         ND         NA           Ethylbenzene         mg/L         0.7<	Bromolorm		mg/L	NA 0.7	ND	ND	ND	NA NA		
Carbon disultide         mg/L         1000         ND         ND         ND         NA           Carbon tetrachloride         mg/L         0.00         ND         ND         ND         NA           Chlorobenzene         Primary         mg/L         0.1         ND         ND         ND         NA           Chloroform         mg/L         0.17         ND         ND         ND         NA           Chloroform         mg/L         190         ND         ND         ND         NA           Chloroform         mg/L         190         ND         ND         ND         NA           Chloroform         mg/L         NA         ND         ND         ND         NA           Cis1,2:Dichloroptopene         mg/L         NA         ND         ND         NA           Dibromoethane         mg/L         0.8         ND         ND         NA           Dibromoethane         mg/L         390         ND         ND         NA           Dibromoethane         mg/L         0.7         ND         ND         NA           Ethyberzene         mg/L         0.86         ND         ND         NA           Isopropyleazene	Bromometnane		mg/L	8.7	ND	ND	ND	NA		
Carbon tetrachionde         mgL         0.005         ND         ND         ND         NA           Chlorobenzene         Primary         mg/L         3.9         ND         ND         ND         NA           Chlorobertane         mg/L         3.9         ND         ND         ND         NA           Chloroethane         mg/L         0.17         ND         ND         ND         NA           Chloromethane         mg/L         NA         ND         ND         ND         NA           Cis-1,2-Dichloroethene         mg/L         NA         ND         ND         ND         NA           Dibromochloromethane         mg/L         NA         ND         ND         ND         NA           Dibromochloromethane         mg/L         NA         ND         ND         ND         NA           Dibromochloromethane         mg/L         0.86         ND         ND         ND         NA           Dibromochloromethane         mg/L         0.86         ND         ND         NA           Lodomethane         mg/L         0.7         ND         ND         ND         NA           Icharobitoromethane         mg/L         NA	Carbon disulfide		mg/L	1000	ND	ND	ND	NA		
Chilotobetzene         Primary         mg/L         0.1         ND         ND         NA           Chlorothane         mg/L         0.17         ND         ND         ND         ND         NA           Chlorothane         mg/L         190         ND         ND         ND         NA           Chlorothane         mg/L         NA         ND         ND         ND         NA           Cis1_2-Dichloroptopene         mg/L         NA         ND         ND         ND         NA           Dibromochloromethane         mg/L         NA         ND         ND         ND         NA           Dibromochloromethane         mg/L         0.8         ND         ND         ND         NA           Dibromomethane         mg/L         0.7         ND         ND         NA         ND         NA           Dichlorodifluoromethane         mg/L         0.7         ND         ND         NA         NA           Dichlorodifluoromethane         mg/L         0.7         ND         ND         NA           Iboromethane         mg/L         0.7         ND         ND         NA           Iboromethane         mg/L         0.7         ND <td>Carbon tetrachioride</td> <td>Driveren</td> <td>mg/L</td> <td>0.005</td> <td>ND</td> <td>ND</td> <td>ND</td> <td>NA</td>	Carbon tetrachioride	Driveren	mg/L	0.005	ND	ND	ND	NA		
Chlorofernane         mg/L         3.9         ND         ND         ND         NA           Chloroform         mg/L         190         ND         ND         ND         NA           Chloroform         mg/L         190         ND         ND         ND         NA           Chloroformethane         mg/L         NA         ND         ND         ND         NA           Dibromochloromethane         mg/L         NA         ND         ND         ND         NA           Dibromochloromethane         mg/L         NA         ND         ND         ND         NA           Dibromochloromethane         mg/L         0.8         ND         ND         ND         NA           Dibromochloromethane         mg/L         0.7         ND         ND         ND         NA           Ethylbenzene         mg/L         0.86         ND         ND         NA         NA           Idoomethane         mg/L         0.86         ND         ND         NA         NA           Isopropylbenzene         mg/L         NA         ND         ND         NA         NA           Np-Sylene         mg/L         17         ND         ND	Chlorobenzene	Primary	mg/L	0.1	ND	ND	ND	NA		
Chlorotoffm         mg/L         0.17         ND         ND         ND         NA           Cihoromethane         mg/L         190         ND         ND         ND         ND         NA           cis-1,2-Dichloroethene         mg/L         NA         ND         ND         ND         ND         NA           cis-1,3-Dichloropropene         mg/L         0.8         ND         ND         ND         NA           Dibromochloromethane         mg/L         0.8         ND         ND         ND         NA           Dibromochloromethane         mg/L         0.8         ND         ND         ND         NA           Dichlorodifiluoromethane         mg/L         0.7         ND         ND         ND         NA           Ethylbenzene         mg/L         0.7         ND         ND         ND         NA           Isopropylbenzene         mg/L         NA         ND         ND         ND         NA           Isopropylbenzene         mg/L         NA         ND         ND         ND         NA           Naphthalene         mg/L         17         ND         ND         ND         NA           Naphthalene         mg/L	Chloroethane		mg/L	3.9	ND	ND	ND	NA		
Chlorometnane         mg/L         190         ND         ND         ND         NA           cis-1,2-Dichloroptopene         mg/L         NA         ND         ND         NA           Dibromochloromethane         mg/L         0.8         ND         ND         ND         NA           Dibromochloromethane         mg/L         0.8         ND         ND         NA         ND         ND         NA           Dibromochloromethane         mg/L         0.8         ND         ND         NA         ND         NA           Dibromomethane         mg/L         0.7         ND         ND         NA         ND         NA           Ethylbenzene         Primary         mg/L         0.7         ND         ND         NA         ND         NA           Isdomethane         mg/L         0.86         ND         ND         NA         ND         ND         NA           Isdomethane         mg/L         NA         ND         ND         ND         NA           Isdomethane         mg/L         NA         ND         ND         ND         NA           Isdomethane         mg/L         NA         ND         ND         ND	Chloroform		mg/L	0.17	ND	ND	ND	NA		
Dis-1,2-Dichloroemene         mg/L         NA         ND         ND         ND         NA           Disromochloromethane         mg/L         0.8         ND         ND         ND         NA           Dibromochloromethane         mg/L         0.8         ND         ND         ND         NA           Dibromomethane         mg/L         0.8         ND         ND         ND         NA           Dibromomethane         mg/L         390         ND         ND         ND         NA           Ethylbenzene         Primary         mg/L         0.7         ND         ND         NA           Iodomethane         mg/L         0.86         ND         ND         NA         NA           Iodomethane         mg/L         NA         ND         ND         NA         NA           Iodomethane         mg/L         NA         ND         ND         NA         NA           Isopropylbenzene         mg/L         NA         ND         ND         ND         NA           Methyl tert-butyl ether         mg/L         17         ND         ND         NA           Nepthbalene         mg/L         5         ND         ND <td< td=""><td></td><td></td><td>mg/L</td><td>190</td><td>ND</td><td>ND</td><td>ND</td><td>NA</td></td<>			mg/L	190	ND	ND	ND	NA		
Ols-1,3-Dichlotopipetie         Ing/L         NA         ND         ND         ND         NA           Dibromochloromethane         mg/L         0.8         ND         ND         ND         NA           Dibromochloromethane         mg/L         0.8         ND         ND         ND         NA           Dichlorodifluoromethane         mg/L         0.7         ND         ND         NA           Ethylbenzene         Primary         mg/L         0.86         ND         ND         NA           Ideomethane         mg/L         0.86         ND         ND         NA           Isoprocylbenzene         mg/L         0.86         ND         ND         NA           Isoprozylbenzene         mg/L         NA         ND         ND         NA           Isoprozylbenzene         mg/L         NA         ND         ND         NA           Methylene chloride         mg/L         17         ND         ND         NA           Naphthalene         mg/L         6.2         ND         ND         NA           n-Prozylbenzene         mg/L         61         ND         ND         NA           n-Prozylbenzene         mg/L         NA<			mg/L	NA	ND	ND	ND	NA		
DibilityIndicationIndicationNDNDNADichlorodifluormethanemg/L34NDNDNDNDNADichlorodifluoromethanemg/L390NDNDNDNDNAEthylbenzenePrimarymg/L0.7NDNDNDNAHexachlorobutadienemg/L0.86NDNDNDNAIodomethanemg/LNANDNDNAIsopropylbenzenemg/LNANDNDNAMethyl tert-butyl ethermg/LNANDNDNAMethyl tert-butyl ethermg/L5NDNDNANaphthalenemg/L6.2NDNDNAN-Propylbenzenemg/L61NDNDNASec-Butylbenzenemg/L370NDNDNAsec-Butylbenzenemg/LNANDNDNAsec-Butylbenzenemg/LNANDNDNAsec-Butylbenzenemg/LNANDNDNAsec-Butylbenzenemg/LNANDNDNAToluenemg/LNANDNDNAToluenemg/LNANDNDNAToluenemg/LNANDNDNAToluenemg/LNANDNDNAToluenemg/LNANDNDNAToluenemg/LNANDND </td <td>CIS-1,3-Dichloropropene</td> <td></td> <td>mg/L</td> <td>NA 0.0</td> <td>ND</td> <td>ND</td> <td>ND</td> <td>NA NA</td>	CIS-1,3-Dichloropropene		mg/L	NA 0.0	ND	ND	ND	NA NA		
DistributivitierIng/LNANDNDNDNADishlorodifluoromethanemg/L390NDNDNDNDNAEthylbenzenePrimarymg/L0.7NDNDNDNAIodomethanemg/L0.86NDNDNDNAIodomethanemg/LNANDNDNDNAIsopropylbenzenemg/LNANDNDNDNAm,p-Xylenemg/LNANDNDNDNAMethyl tert-butyl ethermg/L17NDNDNDNAMethylene chloridemg/L5NDNDNAn-Butylbenzenemg/L6.2NDNDNAn-Butylbenzenemg/L61NDNDNAn-Propylbenzenemg/LNANDNDNAsc-Butylbenzenemg/LNANDNDNAStyrenemg/LNANDNDNAStyrenemg/LNANDNDNAStyrenemg/LNANDNDNAToluenemg/LNANDNDNAToluenemg/LNANDNDNAToluenemg/LNANDNDNAToluenemg/LNANDNDNAToluenemg/LNANDNDNAToluenemg/LNANDNDNA <t< td=""><td>Dibromocnioromethane</td><td></td><td>mg/L</td><td>0.8</td><td>ND</td><td>ND</td><td>ND</td><td>NA NA</td></t<>	Dibromocnioromethane		mg/L	0.8	ND	ND	ND	NA NA		
DichrodolindorometrianePrimaryIng/L390NDNDNDNAEthylbenzenePrimarymg/L0.7NDNDNDNAIodomethanemg/L0.86NDNDNDNAIodomethanemg/LNANDNDNDNAIsopropylbenzenemg/LNANDNDNDNAm,p-Xylenemg/LNANDNDNDNAMethyl tert-butyl ethermg/L17NDNDNDNAMethylene chloridemg/L5NDNDNANaphthalenemg/L6.2NDNDNAn-Protylbenzenemg/L61NDNDNAo-Xylenemg/LNANDNDNAo-Xylenemg/LNANDNDNAo-Xylenemg/LNANDNDNAo-triplenzenemg/LNANDNDNAo-triplenzenemg/LNANDNDNAo-triplenzenemg/LNANDNDNAstyrenemg/LNANDNDNAtert-Butylbenzenemg/LNANDNDNAtert-Butylbenzenemg/LNANDNDNAtert-Butylbenzenemg/LNANDNDNAtert-Butylbenzenemg/LNANDNDNAtert-Butylbenzenemg/LNAND	Dibromometnane Disklara diffusione athene		mg/L	INA 200	ND	ND	ND	NA NA		
Entryberizene         Primary         Ing/L         0.7         ND         ND         ND         NA           Hexachlorobutadiene         mg/L         0.86         ND         ND         ND         NA           Isopropylbenzene         mg/L         NA         ND         ND         ND         NA           Isopropylbenzene         mg/L         NA         ND         ND         ND         NA           m.p-Xylene         mg/L         NA         ND         ND         ND         NA           Methyl tert-butyl ether         mg/L         17         ND         ND         NA         NA           Methylene chloride         mg/L         5         ND         ND         NA         NA           Naphthalene         mg/L         6.2         ND         ND         NA         NA           n-Butylbenzene         mg/L         370         ND         ND         NA         NA           o-Xylene         mg/L         NA         ND         ND         NA         NA           sec-Butylbenzene         mg/L         NA         ND         ND         NA           Styrene         mg/L         NA         ND         ND		Drimon	mg/L	390	ND	ND	ND	NA NA		
The statistic of the state of the	Ethyldenzene	Primary	mg/L	0.7	ND	ND	ND	NA NA		
InductionIng/LINAINDINDINDINAIsopropylbenzenemg/LNANDNDNDNAm,p-Xylenemg/LNANDNDNDNAMethyl tert-butyl ethermg/L17NDNDNDNAMethylene chloridemg/L5NDNDNDNANaphthalenemg/L6.2NDNDNDNAn-Butylbenzenemg/L61NDNDNAn-Propylbenzenemg/L370NDNDNAsec-Butylbenzenemg/LNANDNDNAsec-Butylbenzenemg/LNANDNDNAsec-Butylbenzenemg/LNANDNDNAstyrenemg/LNANDNDNAtert-Butylbenzenemg/LNANDNDNATetrachloroethenemg/LNANDNDNAToluenemg/LNANDNDNAtrans-1,3-Dichloroptopenemg/LNANDNDNATrichloroethenemg/LNANDNDNATrichloroftuoromethanemg/LNANDNDNAVinyl acetatemg/LNANDNDNAVinyl acetatemg/L0.002NDNDNA			mg/L	0.00	ND	ND	ND	NA NA		
IsophypiterizerieIng/LINAINDINDINDINAm,p-Xylenemg/LNANDNDNDNAMethyl tert-butyl ethermg/L17NDNDNDNAMethylene chloridemg/L5NDNDNDNANaphthalenemg/L6.2NDNDNDNAn-Butylbenzenemg/L61NDNDNAn-Propylbenzenemg/L370NDNDNDNAec-Butylbenzenemg/LNANDNDNAsec-Butylbenzenemg/LNANDNDNAstyrenemg/LNANDNDNAStyrenemg/LNANDNDNATetrachloroethenemg/LNANDNDNAToluenemg/LNANDNDNATrichloroethenemg/LNANDNDNATrichloroethenemg/LNANDNDNATrichlorofueroethenemg/LNANDNDNATrichlorofueroethenemg/LNANDNDNATrichlorofueroethenemg/LNANDNDNATrichlorofueroethenemg/LNANDNDNATrichlorofueroethenemg/LNANDNDNATrichlorofueroethenemg/LNANDNDNATrichlorofueroethenemg/LNAND	loopropylhopzopo		mg/L	NA NA		ND	ND	INA NA		
In.,D-Xylene     Ing/L     INA     IND     IND     IND     IND       Methyl tert-butyl tert-butyl ether     mg/L     17     ND     ND     ND     NA       Methyl tert-butyl ether     mg/L     5     ND     ND     ND     NA       Naphthalene     mg/L     6.2     ND     ND     ND     NA       Naphthalene     mg/L     61     ND     ND     NA       n-Butylbenzene     mg/L     61     ND     ND     NA       o-Xylene     mg/L     NA     ND     ND     NA       o-Xylene     mg/L     NA     ND     ND     NA       sec-Butylbenzene     mg/L     NA     ND     ND     NA       sec-Butylbenzene     mg/L     NA     ND     ND     NA       Styrene     mg/L     NA     ND     ND     NA       tert-Butylbenzene     mg/L     NA     ND     ND     NA       Toluene     mg/L     NA     ND     ND     NA       Toluene     mg/L     NA     ND     ND     NA       trans-1,2-Dichloroethene     mg/L     NA     ND     ND     NA       Trichloroethene     mg/L     NA     ND			mg/L	NA NA		ND	ND	NA NA		
Methylene     Ing/L     I/I     ND     ND     ND       Methylene chloride     mg/L     5     ND     ND     ND     NA       Naphthalene     mg/L     6.2     ND     ND     ND     NA       n-Butylbenzene     mg/L     61     ND     ND     NA       n-Propylbenzene     mg/L     370     ND     ND     ND     NA       o-Xylene     mg/L     NA     ND     ND     ND     NA       sec-Butylbenzene     mg/L     NA     ND     ND     NA       sec-Butylbenzene     mg/L     NA     ND     ND     NA       styrene     mg/L     NA     ND     ND     NA       styrene     mg/L     NA     ND     ND     NA       tert-Butylbenzene     mg/L     NA     ND     ND     NA       Tetrachloroethene     mg/L     NA     ND     ND     NA       Toluene     mg/L     1     ND     ND     NA       trans-1,2-Dichloroethene     mg/L     NA     ND     ND     NA       Trichloroethene     mg/L     NA     ND     ND     NA       Trichlorofluoromethane     mg/L     NA     ND     ND	Mothyl tort butyl othor		mg/L	17		ND	ND	NA NA		
Naphthalene     mg/L     3     ND     ND     ND     NA       n-Butylbenzene     mg/L     61     ND     ND     NA       n-Propylbenzene     mg/L     370     ND     ND     NA       o-Xylene     mg/L     NA     ND     ND     NA       o-Xylene     mg/L     NA     ND     ND     NA       sec-Butylbenzene     mg/L     NA     ND     ND     NA       Styrene     mg/L     NA     ND     ND     NA       tert-Butylbenzene     mg/L     NA     ND     ND     NA       Tetrachloroethene     mg/L     NA     ND     ND     NA       Tetrachloroethene     mg/L     1     ND     ND     NA       trans-1,2-Dichloroethene     mg/L     NA     ND     ND     NA       trans-1,3-Dichloropropene     mg/L     NA     ND     ND     NA       Trichlorofluoromethane     mg/L     NA     ND     ND     NA <t< td=""><td>Methylopo chlorido</td><td></td><td>mg/L</td><td>5</td><td></td><td>ND</td><td>ND</td><td>NA NA</td></t<>	Methylopo chlorido		mg/L	5		ND	ND	NA NA		
NapitralativeImg/L0.2NDNDNDn-Butylbenzenemg/L61NDNDNDNAn-Propylbenzenemg/L370NDNDNDNAo-Xylenemg/LNANDNDNDNAsec-Butylbenzenemg/LNANDNDNDNAStyrenemg/LNANDNDNDNAEtrt-Butylbenzenemg/LNANDNDNDNAStyrenemg/LNANDNDNDNATetrachloroethenemg/LNANDNDNAToluenemg/L1NDNDNAtrans-1,2-Dichloroethenemg/LNANDNDNATrichloroethenemg/LNANDNDNATrichloroethenemg/LNANDNDNATrichloroethenemg/LNANDNDNATrichloroethenemg/LNANDNDNATrichlorofluoromethanemg/L22NDNDNAVinyl acetatemg/L410NDNDNAVinyl acetatePrimarymg/L0.002NDNDNA	Nanhthalene		mg/L	62	ND	ND	ND	NA		
In-Dropylbeizene     Img/L     OT     ND     ND     ND       o-Rygene     mg/L     370     ND     ND     ND     NA       o-Xylene     mg/L     NA     ND     ND     ND     NA       sec-Butylbenzene     mg/L     NA     ND     ND     ND     NA       Styrene     mg/L     NA     ND     ND     ND     NA       tert-Butylbenzene     mg/L     NA     ND     ND     NA       Tetrachloroethene     mg/L     NA     ND     ND     NA       Toluene     mg/L     1     ND     ND     NA       trans-1,3-Dichloroethene     mg/L     NA     ND     ND     NA       Trichloroethene     mg/L     NA     ND     ND     NA       Trichloroethene     mg/L     NA     ND     ND     NA       Trichloroftuoromethane     mg/L     NA     ND     ND     NA       Vinyl acetate     mg/L     22     ND     ND     NA	n-Butylbenzene		mg/L	61	ND	ND	ND	NA		
Intropyberizene     Img/L     STO     ND     ND     ND       o-Xylene     mg/L     NA     ND     ND     ND     NA       sec-Butylbenzene     mg/L     NA     ND     ND     ND     NA       Styrene     mg/L     NA     ND     ND     ND     NA       tert-Butylbenzene     mg/L     NA     ND     ND     ND     NA       Tetrachloroethene     mg/L     NA     ND     ND     ND     NA       Toluene     mg/L     NA     ND     ND     ND     NA       trans-1,2-Dichloroethene     mg/L     NA     ND     ND     NA       trans-1,3-Dichloropropene     mg/L     NA     ND     ND     NA       Trichloroftuoromethane     mg/L     NA     ND     ND     NA       Vinyl acetate     mg/L     0.002     ND     ND     NA	n-Propylbenzene		mg/L	370	ND	ND	ND	NA		
DrAyetie     Ing/L     INA     IND     IND     IND     IND       Sec-Butylbenzene     mg/L     NA     ND     ND     ND     NA       Styrene     mg/L     NA     ND     ND     ND     NA       tert-Butylbenzene     mg/L     NA     ND     ND     ND     NA       tert-Butylbenzene     mg/L     NA     ND     ND     ND     NA       Tetrachloroethene     mg/L     NA     ND     ND     ND     NA       Toluene     mg/L     1     ND     ND     ND     NA       trans-1,2-Dichloroethene     mg/L     NA     ND     ND     NA       trans-1,3-Dichloropropene     mg/L     NA     ND     ND     NA       Trichloroethene     mg/L     NA     ND     ND     NA       Trichlorofluoromethane     mg/L     22     ND     ND     NA       Vinyl acetate     mg/L     410     ND     ND     NA			mg/L	570		ND	ND			
Sec-Darplement     Img/L     IND     IND     IND     IND       Styrene     mg/L     NA     ND     ND     ND     NA       tert-Butylbenzene     mg/L     NA     ND     ND     ND     NA       Tetrachloroethene     mg/L     NA     ND     ND     ND     NA       Toluene     mg/L     1     ND     ND     ND     NA       trans-1,2-Dichloroethene     mg/L     NA     ND     ND     NA       trans-1,3-Dichloropropene     mg/L     NA     ND     ND     NA       Trichloroethene     mg/L     NA     ND     ND     NA       Vinyl acetate     mg/L     22     ND     ND     NA       Vinyl acetate     mg/L     410     ND     ND     NA	sec-Butylbenzene		mg/L	NA	ND	ND	ND	NA		
Optimize     Img/L     INA     IND     IND     IND     INA       tert-Butylbenzene     mg/L     NA     ND     ND     ND     NA       Tetrachloroethene     mg/L     NA     ND     ND     ND     NA       Toluene     mg/L     1     ND     ND     ND     NA       trans-1,2-Dichloroethene     mg/L     NA     ND     ND     NA       trans-1,3-Dichloropropene     mg/L     NA     ND     ND     NA       Trichloroethene     mg/L     22     ND     ND     NA       Vinyl acetate     mg/L     410     ND     ND     NA       Vinyl chloride     Primary     mg/L     0.002     ND     ND     NA	Styrene		mg/L	NA	ND	ND	ND	ΝA		
Tetrachloroethene     mg/L     NA     ND     ND     ND     NA       Toluene     mg/L     1     ND     ND     ND     NA       trans-1,2-Dichloroethene     mg/L     1     ND     ND     NA       trans-1,3-Dichloropropene     mg/L     NA     ND     ND     NA       Trichloroethene     mg/L     NA     ND     ND     NA       Vinyl acetate     mg/L     410     ND     ND     NA       Vinyl chloride     Primary     mg/L     0.02     ND     ND     NA	tert-Butylbenzene		mg/L	NA	ND	ND	ND	NA		
Instance     Ing_L	Tetrachloroethene		ma/L	NΔ	ND	ND	ND	NA		
Ing/L     I     IND     IND     IND     IND       trans-1,2-Dichloroethene     mg/L     NA     ND     ND     ND     NA       trans-1,3-Dichloropropene     mg/L     NA     ND     ND     ND     NA       Trichloroethene     mg/L     NA     ND     ND     ND     NA       Trichlorofluoromethane     mg/L     22     ND     ND     NA       Vinyl acetate     mg/L     410     ND     ND     NA	Toluene		mg/L	1	ND	ND	ND	NA		
India 1,2 biologotion     Ing/L     IND     IND     IND     IND       trans-1,3-Dichloropropene     mg/L     NA     ND     ND     ND     NA       Trichloroethene     mg/L     NA     ND     ND     ND     NA       Trichlorofluoromethane     mg/L     22     ND     ND     ND     NA       Vinyl acetate     mg/L     410     ND     ND     NA	trans-1 2-Dichloroethene		mg/L	ΝΔ	ND	ND	ND	ΝΔ		
Initial to biointerpretere     Initial to biointerpretere <td>trans-1 3-Dichloropropene</td> <td></td> <td>mg/L</td> <td>NΔ</td> <td></td> <td>ND</td> <td>ND</td> <td>ΝΔ</td>	trans-1 3-Dichloropropene		mg/L	NΔ		ND	ND	ΝΔ		
Inclusion         Ingr         IND         IND         IND         IND           Trichlorofluoromethane         mg/L         22         ND         ND         ND         NA           Vinyl acetate         mg/L         410         ND         ND         NA           Vinyl acetate         mg/L         0.002         ND         ND         NA	Trichloroethene		ma/l	NA	ND	ND	ND	NA		
Vinyl acetate         mg/L         22         ND         ND         NA           Vinyl acetate         mg/L         410         ND         ND         NA	Trichlorofluoromethane		ma/L	22		ND	ND	NA		
Vinyl chloride Primary myl 0,002 ND ND ND NA	Vinvl acetate		ma/l	<u>410</u>	ND	ND	ND	NA		
	Vinyl chloride	Primary	ma/l	0.002	ND	ND	ND	NA		

# FIGURES









#### Stiff Diagram - GW-1



Figure 4





Figure 5

#### Stiff Diagram - GW-3



Figure 6





Figure 7

#### Stiff Diagram - VF-4 Discharge



Figure 8

Stiff Diagram - DW-25





### Stiff Diagram - DW-26



Figure 10

Stiff Diagram MD-2



Piper Diagram - Env. Samples and Wells



Legend
★ VF-3
VF-4
🔻 GW-1
🔻 GW-2
🔻 GW-3
🗸 DW-25
X DW-26
O MD-2

Figure 12

APPENDIX

Laboratory Reports



C CHUMAN PRINTING CO.

1	a se r ri h	CORL	Clien	act Person	JOHN	ME	EK	S	44	,11		PC	ione 304,	755.0721
			QUO	TE #					Fax:	304	.755	1880 Em	ail: JMEE	KS@TRIADENK
	ICIU		Addr	ress 499	O TEAYS	s va	LE	YRO	2		City 5	COTT DEP	07	State WV Zip 25560
Research Environmental & Indu	istrial Consultants,	Inc.	Billin	ig Address (if	different)								State	71-
MAIN LABORATORY & CORPO P.O. Box 286 • 225 Industrial Pa 800-999-0105 • 304-255-2500	RATE HEADQUAR irk Rd, Beaver, WV 258 ) • www.reiclabs.com	TERS: 313	Site I	D & State P	RENTER		W.	Project		04-1	2-00	91 San	npler	WRIGHT
MID-OHIO VALLEY	SHENANDOAH		ROAN	DKE	TED		PRI	MAR	95	DWI	A ME	TALS -		
101 17th Street 15	557 Commerce Rd., St	e. 201 3	3029-C Peters	s Creek Rd	SUF	1 In		SECO	DI	ARY	SDW	N PARAM	IETERS .	and any real resources where the second
606-393-5027	540-248-0183		540-777	-1276	BEC	KE		. A	Imp	T IN	DICA	TOR .		
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SAMPLEL	OG & ANAL	VSIS RE	OUEST	-	H	Ĩ				00		10.10	10 :	
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SAMPLE LO TURNAROUND TIME MORMAL *Rush work needs prio	OG & ANAL RI 5 DAY r laboratory approval No. & Type of Containers	YSIS RE USH TURNA 3 DAY and will incur Sampling I	QUEST	1 DAY hàrges Matrix	Sample Comp/Grai	analysis & Metho			•	CA			RESERVATIVE C	CODE: 5 Sodium Hydroxide
SAMPLE LO TURNAROUND TIME NORMAL *Rush work needs prio SAMPLE ID DW - 3Z R 1	OG & ANAL R 5 DAY r laboratory approval No. & Type of Containers	VSIS RE USH TURNA 3 DAY and will incur Sampling I 3.20.12/	QUEST ROUND 2 DAY r additional c Date/Time	1 DAY hàrges Matrix	Sample Comp/Grai	ANALYSIS & METHO	x	××	×	CA		S / ANIO	RESERVATIVE C Inchloric Acid Acid	CODE: 5 Sodium Hydroxide 6 Zinc Acetate 7 EDTA
SAMPLE LO TURNAROUND TIME MORMAL *Rush work needs prio SAMPLE ID DW - 32 R 1 DW - 32 R 2	OG & ANAL R 5 DAY r laboratory approval No. & Type of Containers	VSIS RE USH TURNA 3 DAY and will incur Sampling I 3.20.12/ 3.28.12/	QUEST ROUND 2 DAY r additional c Date/Time 1900 1915	1 DAY hàrges Matrix V	Sample Comp/Grai	× × ANALYSIS & METHC	× , × ,	× × ×	×××	CA	TION	S / AN10	RESERVATIVE C Acid Acid The output	CODE: 5 Sodium Hydroxide 6 Zinc Acetate 7 EDTA 8 Ascorbic Acid
SAMPLE LO TURNAROUND TIME NORMAL *Rush work needs prio SAMPLE ID DW - 32 R 1 DW - 32 R 2 DW - 32 R 3	OG & ANAL R 5 DAY r laboratory approval	YSIS RE USH TURNA 3 DAY and will incur Sampling I 3.2%.12/ 3.2%.12/ 3.2%.12/	QUEST ROUND 2 DAY radditional c Date/Time 1900 1915	1 DAY thàrges Matrix V V	Sample Comp/Gral G G	× × × ANALYSIS & METHC	× , × , × ,	× x × x × x	× × × ×			S / ANIO	RESERVATIVE C inchloric Acid Acid ic Acid m Thiosulfate	<b>CODE:</b> 5 Sodium Hydroxide 6 Zinc Acetate 7 EDTA 8 Ascorbic Acid
SAMPLE LO TURNAROUND TIME NORMAL *Rush work needs prio SAMPLE ID DW-32 R1 DW-32 R2 DW-32 R3 Trip Blank-MAH	OG & ANAL R 5 DAY r laboratory approva No. & Type of Containers (	YSIS RE USH TURNA 3 DAY and will incur Sampling 1 3.20.12/ 3.28.12/ 3.28.12/	QUEST ROUND 2 DAY r additional c Date/Time 1900 1915 1930	1 DAY hàrges Matrix V V	Sample Comp/Gral	× × ×	X , X , X	×		CA		S / ANIO	RESERVATIVE C Inchloric Acid Acid ic Acid m Thiosulfate VTS: RESOLTS T	CODE: 5 Sodium Hydroxide 6 Zinc Acetate 7 EDTA 8 Ascorbic Acid
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SAMPLE LO TURNAROUND TIME NORMAL *Rush work needs prio SAMPLE ID DW-32 R1 DW-32 R2 DW-32 R3 Trip Blank-MAA	OG & ANAL R S DAY r laboratory approva No. & Type of Containers	YSIS RE USH TURNA 3 DAY and will incur Sampling I 3.20.12/ 3.28.12/ 3.28.12/	QUEST ROUND 2 DAY radditional c Date/Time 1900 1915	1 DAY thàrges Matrix ✓ ✓	Sample Comp/Grai	× × × ANALYSIS & MEIHG	× , × , × ,	×		CA		S / ANIO	RESERVATIVE C inchloric Acid Acid ic Acid im Thiosulfate NTS: RESULTS T ELESOLTS T ELESOLTS T ELESOLTS T ELESOLTS T	CODE: 5 Sodium Hydroxide 6 Zinc Acetate 7 EDTA 8 Ascorbic Acid CO: CO: CO: CO: CO: CO: CO: CO: CO: CO:
SAMPLE LU TURNAROUND TIME NORMAL *Rush work needs prio SAMPLE ID DW - 32 R1 DW - 32 R2 DW - 32 R3 Trip Blank-MAH	OG & ANAL R S DAY r laboratory approval No. & Type of Containers	YSIS RE USH TURNA 3 DAY and will incur Sampling 1 3.28.12/ 3.28.12/	QUEST ROUND 2 DAY r additional c Date/Time 1920 1915 1930	1 DAY thàrges Matrix ✓ ✓	Sample Comp/Grai	× × ×	× , × , ×					S / ANIO	RESERVATIVE C Acid Acid m Thiosulfate VTS: RESULTS T ELESOTEN RESULTS T ELESOTEN RESULTS T	CODE: 5 Sodium Hydroxide 6 Zinc Acetate 7 EDTA 8 Ascorbic Acid TO: ADENY, COM TRIADENY, COM
SAMPLE LO TURNAROUND TIME NORMAL *Rush work needs prio SAMPLE ID DW-32 R1 DW-32 R2 DW-32 R3 Trip Blank-MAA	OG & ANAL R S DAY r laboratory approva No. & Type of Containers	YSIS RE USH TURNA 3 DAY and will incur 3.20.12/ 3.28.12/ 3.28.12/	QUEST ROUND 2 DAY radditional c Date/Time 1900 1915	1 DAY thàrges Matrix ✓ ✓ ↓√	Sample Comp/Grai	× × × A ANALYSIS & MEIHG	× , × , × ,		× × × ×			S / ANIO	RESERVATIVE C Acid ic Acid m Thiosulfate NTS: RESOLTS T ELKS@TRA RESOLTS T ELKS@TRA	CODE: 5 Sodium Hydroxide 6 Zinc Acetate 7 EDTA 8 Ascorbic Acid CO: MADERY: COM TRIADENY: COM



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April 06, 2012

Mr. John Meeks TRIAD ENGINEERING -ST ALBANS 4980 TEAYS VALLEY RD SCOTT DEPOT WV 25560

TEL: (304) 755-0721 FAX (304) 755-1880

RE: 04-12-0091

Order No.: 1203S27

Dear Mr. John Meeks:

REI Consultants, Inc. received 4 sample(s) on 3/29/2012 for the analyses presented in the following report.

There were no problems with the analytical events associated with this report unless noted in the Case Narrative. Quality control data was within laboratory defined or method specified acceptance limits except if noted.

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

Sincerely,

Jimmy Suttle Project Manager





CLIENT: TRIAD ENGINEERING -ST ALBANS Project: 04-12-0091

The analytical results presented in this report relate only to the samples documented herein. All analyses were performed using documented laboratory SOPs that incorporate appropriate quality control procedures as described in the applicable methods. Any deviation from compliance or method modification is explained below and/or identified within the body of this report by a qualifier footnote which is defined at the bottom of each page.

All sample results are reported on an "as-received" wet weight basis unless otherwise noted.

Results reported for sums of individual parameters, such as Total Trihalomethanes (TTHM) and Total Haloacetic Acids (HAA5), may vary slightly from the sum of the individual parameter results. This apparent anomaly is caused by rounding individual results and summations at reporting, as required by EPA.

The test results in this report meet all NELAP and VELAP requirements for parameters for which accreditations are required or available. Any exceptions are noted in this report. This report may not be reproduced, except in full, without the written approval of REIC.

In compliance with federal guidelines and standard operating procedures, all reports, including raw data and supporting quality control, will be disposed of after five years unless otherwise arranged by the client via written notification or contract requirement.

If you have any questions please contact the project manager whose name is listed above.

<b>REI</b> Consultants, Inc.			Analy	tical R	esults	Da	<b>Date:</b> 06-Apr-12			
CLIE	NT:	TRIAD ENGINEERIN	NG -ST A	LBANS	Work	Order:	1203S27	Lab ID 1203S27-01A		
Client	Samp	le ID: DW-32R1			DateR	eceived:	3/29/2012			
Projec	·t·	04-12-0091			Collec	tion Date	• 3/28/2012	7:00:00 PM		
Sito II	 ).	PRENTER			Matri	v.				
		TREFTER			Watti	Α.	LIQUID			
Analy	ses		Result	Units	Qual	MDL	PQL	Date Analyzed		
МЕТА	LS BY	ICP			E200.7			Analyst: <b>LF</b>		
Alumi	inum		0.008	mg/L	J	0.0060	0.100	4/3/2012 1:26:52 PM		
Calciu	um		5.31	mg/L		0.0500	1.00	4/3/2012 1:26:52 PM		
Cobal	lt		ND	mg/L		0.0030	0.100	4/3/2012 1:26:52 PM		
Iron			0.799	mg/L		0.0100	0.100	4/3/2012 1:26:52 PM		
Magn	esium		1.36	mg/L		0.0500	0.500	4/3/2012 1:26:52 PM		
Mang	anese		0.011	mg/L	J	0.0020	0.100	4/3/2012 1:26:52 PM		
Potas	sium		2.02	mg/L		0.0500	0.500	4/3/2012 1:26:52 PM		
Sodiu	ım		118	mg/L		0.500	10.0	4/5/2012 7:46:18 PM		
Zinc			0.239	mg/L		0.0050	0.050	4/3/2012 1:26:52 PM		
ΜΕΤΑ	LS BY	ICP-MS			E200.8			Analyst: <b>JD</b>		
Antim	iony		ND	mg/L		0.00020	0.0010	4/3/2012 4:02:00 PM		
Arsen	nic		ND	mg/L		0.00100	0.0050	4/3/2012 4:02:00 PM		
Bariu	m		0.393	mg/L		0.00100	0.0050	4/3/2012 4:02:00 PM		
Beryll	ium		ND	mg/L		0.00020	0.0010	4/3/2012 4:02:00 PM		
Cadm	nium		ND	mg/L		0.00020	0.0010	4/3/2012 4:02:00 PM		
Chror	nium		ND	mg/L		0.00100	0.0050	4/3/2012 4:02:00 PM		
Copp	er		0.115	mg/L		0.00100	0.0050	4/3/2012 4:02:00 PM		
Lead			0.0188	mg/L		0.00020	0.0010	4/3/2012 4:02:00 PM		
Molyb	denum		0.0013	mg/L	J	0.00100	0.0050	4/3/2012 4:02:00 PM		
Nicke	ł		0.0028	mg/L	J	0.00200	0.0100	4/3/2012 4:02:00 PM		
Selen	ium		ND	mg/L		0.00100	0.0050	4/5/2012 3:52:00 PM		
Silver			ND	mg/L		0.00100	0.0050	4/3/2012 4:02:00 PM		
Stron	tium		0.451	mg/L		0.00100	0.0050	4/3/2012 4:02:00 PM		
Thalli	um		ND	mg/L		0.00020	0.0010	4/3/2012 4:02:00 PM		
Tin			ND	mg/L		0.00100	0.0050	4/3/2012 4:02:00 PM		
Titani	um		ND	mg/L		0.00100	0.0050	4/3/2012 4:02:00 PM		
Urani	um		ND	mg/L		0.00100	0.0100	4/3/2012 4:02:00 PM		
Vanad	dium		ND	mg/L		0.00100	0.0100	4/3/2012 4:02:00 PM		
MERC	URY, 1	TOTAL			E245.1			Analyst: <b>DS</b>		
Mercu	ury		ND	mg/L		0.00010	0.0010	4/3/2012 8:57:36 AM		
VOLA	TILE O	RGANIC COMPOUNDS			SW8260B			Analyst: <b>AS</b>		
Aceto	ne		9.3	µg/L	J	4.88	10.0	3/30/2012 10:05:00 AM		
Acrole	ein		ND	µg/L		4.36	10.0	3/30/2012 10:05:00 AM		
Acrylo	onitrile		ND	µg/L		4.24	10.0	3/30/2012 10:05:00 AM		
Benze	ene		0.4	µg/L	J	0.13	1.0	3/30/2012 10:05:00 AM		
Kev	MCL	Maximum Contaminant Level			J Analy	te detected be	low quantitation	limits		
	MDL	Minimum Detection Limit			B Analy	te detected in	the associated M	ethod Blank		
	NA	Not Applicable			E Estima	ated Value ab	ove quantitation	range		
	ND	Not Detected at the PQL or MDL			H Holdin	ng times for p	reparation or ana	lysis exceeded		

PQL Practical Quantitation Limit

TIC Tentatively Identified Compound, Estimated Concentration

S Spike/Surrogate Recovery exceeds REIC control limits

\* Value exceeds MCL or Regulatory Limits

KEI COIIS	untants, Inc.	Anary	Anarytical Results							
CLIENT:	TRIAD ENGINEER	ING -ST A	LBANS	WorkOrd	ler:	1203S27	Lab ID 1203S27-01A			
<b>Client Sample</b>	e <b>ID:</b> DW-32R1			DateRece	ived:	3/29/2012				
Project:	04-12-0091			Collection	ı Date	<b>:</b> 3/28/2012	7:00:00 PM			
Site ID:	PRENTER			Matrix:		LIQUID				
				1/10/11/1		LiQUE				
Analyses		Result	Units	Qual M	IDL	PQL	Date Analyzed			
VOLATILE OR	GANIC COMPOUNDS			SW8260B			Analyst: AS			
Bromobenzene		ND	µg/L		0.25	1.0	3/30/2012 10:05:00 AM			
Bromochlorome	ethane	ND	µg/L		0.35	1.0	3/30/2012 10:05:00 AM			
Bromodichloror	methane	ND	µg/L		0.16	1.0	3/30/2012 10:05:00 AM			
Bromoform		ND	µg/L		0.40	1.0	3/30/2012 10:05:00 AM			
Bromomethane	)	ND	µg/L		0.50	1.0	3/30/2012 10:05:00 AM			
2-Butanone		ND	µg/L		4.68	10.0	3/30/2012 10:05:00 AM			
n-Butylbenzene	9	ND	µg/L		0.25	1.0	3/30/2012 10:05:00 AM			
sec-Butylbenze	ene	ND	µg/L		0.28	1.0	3/30/2012 10:05:00 AM			
tert-Butylbenze	ne	ND	µg/L		0.24	1.0	3/30/2012 10:05:00 AM			
Carbon disulfid	e	ND	µg/L		1.27	5.0	3/30/2012 10:05:00 AM			
Carbon tetrach	loride	ND	µg/L		0.25	1.0	3/30/2012 10:05:00 AM			
Chlorobenzene		ND	µg/L		0.18	1.0	3/30/2012 10:05:00 AM			
Chloroethane		ND	µg/L		0.94	1.0	3/30/2012 10:05:00 AM			
Chloroform		ND	µg/L		0.25	1.0	3/30/2012 10:05:00 AM			
Chloromethane	•	ND	µg/L		0.33	1.0	3/30/2012 10:05:00 AM			
2-Chlorotoluene	e	ND	µg/L		0.25	1.0	3/30/2012 10:05:00 AM			
4-Chlorotoluene	9	ND	µg/L		0.28	1.0	3/30/2012 10:05:00 AM			
Dibromochloror	methane	ND	µg/L		0.42	1.0	3/30/2012 10:05:00 AM			
1,2-Dibromo-3-	chloropropane	ND	µg/L		0.50	1.0	3/30/2012 10:05:00 AM			
1,2-Dibromoeth	nane	ND	µg/L		0.34	1.0	3/30/2012 10:05:00 AM			
Dibromomethar	ne	ND	µg/L		0.29	1.0	3/30/2012 10:05:00 AM			
1.2-Dichlorober	nzene	ND	ua/L		0.45	1.0	3/30/2012 10:05:00 AM			
1.3-Dichlorober	nzene	ND	ua/L		0.14	1.0	3/30/2012 10:05:00 AM			
1.4-Dichlorober	nzene	0.4	ug/L	J	0.29	1.0	3/30/2012 10:05:00 AM			
Dichlorodifluoro	omethane	ND	ua/L		0.71	1.0	3/30/2012 10:05:00 AM			
1.1-Dichloroeth	ane	ND	ua/L		0.38	1.0	3/30/2012 10:05:00 AM			
1.2-Dichloroeth	ane	ND	ua/L		0.43	1.0	3/30/2012 10:05:00 AM			
1.1-Dichloroeth	iene	ND	ua/L		0.33	1.0	3/30/2012 10:05:00 AM			
cis-1.2-Dichlor	pethene	ND	ua/l		0.23	1.0	3/30/2012 10:05:00 AM			
trans-1.2-Dichl	oroethene	ND	µ9/=		0.39	1.0	3/30/2012 10:05:00 AM			
1.2-Dichloropro	pane	ND	µ9/=		0.46	1.0	3/30/2012 10:05:00 AM			
1.3-Dichloropro	pane	ND	ua/L		0.71	1.0	3/30/2012 10:05:00 AM			
2.2-Dichloropro	pane	ND	ua/l		0.23	1.0	3/30/2012 10:05:00 AM			
1.1-Dichloropro	npene	ND	ua/l		0.33	1.0	3/30/2012 10:05:00 AM			
cis-1.3-Dichlor	opropene		r,a,⊢ na/l		0.22	1.0	3/30/2012 10:05:00 AM			
trans-1 3-Dichl	oropropene		r,e,⊢ ua/l		0.22	1.0	3/30/2012 10:05:00 AM			
Ethylbenzene	0. op 0010		r,e,⊢ ua/l		0.18	1.0	3/30/2012 10:05:00 AM			
			Р9 <sup>,</sup> –		0.10	1.0	0,00,2012 10.00.00 AW			

- MDL Minimum Detection Limit
- NA Not Applicable
- ND Not Detected at the PQL or MDL
- PQL Practical Quantitation Limit
- TIC Tentatively Identified Compound, Estimated Concentration
- J Analyte detected below quantitation limits
- B Analyte detected in the associated Method Blank
- E Estimated Value above quantitation range
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate Recovery exceeds REIC control limits
- \* Value exceeds MCL or Regulatory Limits

**REI Consultants, Inc.** 

**Analytical Results** 

**Date:** 06-Apr-12

REI C	Consultants, Inc.	Analy	vtical R	esults Da	<b>Date:</b> 06-Apr-12			
CLIENT	T: TRIAD ENGINEERI	NG -ST A	LBANS	WorkOrder:	1203S27	Lab ID 1203S27-01A		
Client Sa	ample ID: DW-32R1			DateReceived:	3/29/2012			
Project:	- 04-12-0091			Collection Date	3/28/2012	7:00:00 PM		
Site ID:	PRENTER			Matrix:				
Analysee	s	Recult	Unite	Ouel MDI	POI	Data Analyzad		
Anaryses	\$ 	Kesuit	Units		TQL	Date Analyzeu		
VOLATIL	LE ORGANIC COMPOUNDS			SW8260B		Analyst: AS		
Hexachle	orobutadiene	ND	µg/L	0.26	1.0	3/30/2012 10:05:00 AM		
2-Hexan	one	ND	µg/L	4.11	10.0	3/30/2012 10:05:00 AM		
lodomet	hane	ND	µg/L	3.44	10.0	3/30/2012 10:05:00 AM		
Isopropy	lbenzene	ND	µg/L	0.23	1.0	3/30/2012 10:05:00 AM		
4-Isopro	pyltoluene	ND	µg/L	0.24	1.0	3/30/2012 10:05:00 AM		
Methyler	ne chloride	ND	µg/L	0.54	1.0	3/30/2012 10:05:00 AM		
4-Methyl	I-2-pentanone	ND	µg/L	4.40	10.0	3/30/2012 10:05:00 AM		
Methyl te	ert-butyl ether	ND	µg/L	0.76	5.0	3/30/2012 10:05:00 AM		
Naphtha	lene	ND	µg/L	0.42	1.0	3/30/2012 10:05:00 AM		
n-Propyl	benzene	ND	µg/L	0.14	1.0	3/30/2012 10:05:00 AM		
Styrene		ND	µg/L	0.24	1.0	3/30/2012 10:05:00 AM		
1,1,1,2-7	Tetrachloroethane	ND	µg/L	0.36	1.0	3/30/2012 10:05:00 AM		
1,1,2,2-7	Tetrachloroethane	ND	µg/L	0.38	1.0	3/30/2012 10:05:00 AM		
Tetrachl	oroethene	ND	µg/L	0.20	1.0	3/30/2012 10:05:00 AM		
Toluene		ND	µg/L	0.17	1.0	3/30/2012 10:05:00 AM		
1,2,3-Tri	ichlorobenzene	ND	µg/L	0.41	1.0	3/30/2012 10:05:00 AM		
1,2,4-Tri	ichlorobenzene	ND	µg/L	0.41	1.0	3/30/2012 10:05:00 AM		
1,1,1-Tri	ichloroethane	ND	µg/L	0.35	1.0	3/30/2012 10:05:00 AM		
1,1,2-Tri	ichloroethane	ND	µa/L	0.49	1.0	3/30/2012 10:05:00 AM		
Trichloro	bethene	ND	ua/L	0.30	1.0	3/30/2012 10:05:00 AM		
Trichloro	ofluoromethane	ND	ua/L	0.30	1.0	3/30/2012 10:05:00 AM		
1.2.3-Tri	ichloropropane	ND	ua/l	0.36	1.0	3/30/2012 10:05:00 AM		
1.2.4-Tri	imethylbenzene	ND	ua/l	0.28	1.0	3/30/2012 10:05:00 AM		
1.3.5-Tri	imethylbenzene	ND	ua/l	0.28	1.0	3/30/2012 10:05:00 AM		
Vinvl ace		ND	μα/I	4.87	10.0	3/30/2012 10:05:00 AM		
Vinvl chl		ND	μα/I	0.22	1.0	3/30/2012 10:05:00 AM		
			μα/I	0.19	1.0	3/30/2012 10:05:00 AM		
m n-Xvle			μα/I	0.10	2.0	3/30/2012 10:05:00 AM		
Surr	1 2-Dichloroethane-d4	100		0.25	80-120	3/30/2012 10:05:00 AM		
Surr	1 Bromofluorobonzono	00.2	% DEC		86 115	3/30/2012 10:05:00 AM		
Surr.	Dibromofluoromothana	102	%REC		80 120	3/30/2012 10:05:00 AM		
Surr:	Toluene-d8	103	%REC		88-110	3/30/2012 10:05:00 AM		
SURFAC	TANTS			SM5540 C		Analyst: <b>CC</b>		
MBAS		ND	mg/L	0.100	0.250	3/30/2012 2:52:00 PM		
ANIONS	BY ION CHROMATOGRAPHY			E300.0		Analyst: CF		
Chloride		76.5	mg/L	0.500	5.00	3/31/2012 5:44:00 AM		
Key: <sup>N</sup>	MCL Maximum Contaminant Level			J Analyte detected be	low quantitation	limits		
Ν	MDL Minimum Detection Limit			B Analyte detected in	the associated M	ethod Blank		
	NA Not Applicable			E Estimated Value ab	ove quantitation	range		
	ND Not Detected at the PQL or MDL			H Holding times for p	reparation or ana	lysis exceeded		
1	PQL Practical Quantitation Limit			S Spike/Surrogate Re	covery exceeds F	REIC control limits		
	TIC Tentatively Identified Compound, H	Estimated Co	ncentration	<ul> <li>* Value exceeds MCI</li> </ul>	or Regulatory I	Limits		

<b>REI</b> Consultants, Inc.		Analy	vtical R	Results	D	<b>Date:</b> 06-Apr-12		
CLIENT:	TRIAD ENGINEERIN	IG -ST A	LBANS	WorkO	rder:	1203S27	Lab ID 1203S27-01A	
Client Sample	<b>ID:</b> DW-32R1			DateReceived:		3/29/2012		
Project:	04-12-0091			Collecti	on Dat	e: 3/28/2012	7:00:00 PM	
Site ID:	PRENTER			Matrix:	1	LIQUID		
Analyses		Result	Units	Qual	MDL	PQL	Date Analyzed	
ANIONS BY IO	N CHROMATOGRAPHY			E300.0			Analyst: CF	
Fluoride		0.51	mg/L		0.040	0.20	3/31/2012 5:44:00 AM	
Sulfate		ND	mg/L		1.00	5.00	3/31/2012 5:44:00 AM	
TOTAL DISSOL	VED SOLIDS			SM2540 C			Analyst: SF	
Total Dissolved S	Solids	384	mg/L		5.0	10	3/31/2012 10:07:00 AM	
ACIDITY				SM2310 B			Analyst: <b>DSD</b>	
Acidity, Total		23.0	mg/L		1.00	10.0	4/2/2012 11:42:00 AM	
ALKALINITY				SM2320 B			Analyst: <b>DSD</b>	
Alkalinity, Bicarbo	onate (As CaCO3)	137	mg/L		1.00	10.0	4/2/2012 11:42:00 AM	
ALKALINITY				SM2320 B			Analyst: DSD	
Alkalinity, Carbor	nate (As CaCO3)	ND	mg/L		1.00	10.0	4/2/2012 11:42:00 AM	
ALKALINITY				SM2320 B			Analyst: DSD	
Alkalinity, Total (A	As CaCO3)	137	mg/L		1.00	10.0	4/2/2012 11:42:00 AM	
PH - LAB TEST	, HOLD TIME EXPIRED			SM4500-H+-B	5		Analyst: DSD	
рН		7.09	SU		NA	NA	4/2/2012 11:42:00 AM	

- MDL Minimum Detection Limit
- NA Not Applicable
- ND Not Detected at the PQL or MDL
- PQL Practical Quantitation Limit
- TIC Tentatively Identified Compound, Estimated Concentration
- J Analyte detected below quantitation limits
- B Analyte detected in the associated Method Blank
- E Estimated Value above quantitation range
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate Recovery exceeds REIC control limits
- \* Value exceeds MCL or Regulatory Limits

REI Consultants, Inc.		Analy	tical R	esults	<b>Date:</b> 06-Apr-12			
CLIENT:	TRIAD ENGINEER	ING -ST A	LBANS	Work	Order:	1203S27	Lab ID 1203S27-02A	
<b>Client Sample I</b>	<b>D:</b> DW-32R2			DateR	leceived:	3/29/2012		
Project:	04-12-0091			Collec	tion Date	: 3/28/2012 <sup>7</sup>	7:15:00 PM	
Site ID:	PRENTER			Motri	v.			
Site ID.	IKENTEK			Matri	λ.	LIQUID		
Analyses		Result	Units	Qual	MDL	PQL	Date Analyzed	
METALS BY ICH	2			E200.7			Analyst: <b>LF</b>	
Aluminum		ND	mg/L		0.0060	0.100	4/3/2012 1:35:57 PM	
Calcium		5.12	mg/L		0.0500	1.00	4/3/2012 1:35:57 PM	
Cobalt		ND	mg/L		0.0030	0.100	4/3/2012 1:35:57 PM	
Iron		0.146	mg/L		0.0100	0.100	4/3/2012 1:35:57 PM	
Magnesium		1.29	mg/L		0.0500	0.500	4/3/2012 1:35:57 PM	
Manganese		0.007	mg/L	J	0.0020	0.100	4/3/2012 1:35:57 PM	
Potassium		2.03	mg/L		0.0500	0.500	4/3/2012 1:35:57 PM	
Sodium		114	mg/L		0.500	10.0	4/5/2012 7:49:21 PM	
Zinc		0.134	mg/L		0.0050	0.050	4/3/2012 1:35:57 PM	
METALS BY ICH	P-MS			E200.8			Analyst: <b>JD</b>	
Antimony		ND	mg/L		0.00020	0.0010	4/3/2012 4:07:00 PM	
Arsenic		ND	mg/L		0.00100	0.0050	4/3/2012 4:07:00 PM	
Barium		0.372	mg/L		0.00100	0.0050	4/3/2012 4:07:00 PM	
Beryllium		ND	mg/L		0.00020	0.0010	4/3/2012 4:07:00 PM	
Cadmium		ND	mg/L		0.00020	0.0010	4/3/2012 4:07:00 PM	
Chromium		ND	mg/L		0.00100	0.0050	4/3/2012 4:07:00 PM	
Copper		0.0529	mg/L		0.00100	0.0050	4/3/2012 4:07:00 PM	
Lead		0.0054	mg/L		0.00020	0.0010	4/3/2012 4:07:00 PM	
Molybdenum		0.0026	mg/L	J	0.00100	0.0050	4/3/2012 4:07:00 PM	
Nickel		ND	mg/L		0.00200	0.0100	4/3/2012 4:07:00 PM	
Selenium		ND	mg/L		0.00100	0.0050	4/5/2012 3:57:00 PM	
Silver		ND	mg/L		0.00100	0.0050	4/3/2012 4:07:00 PM	
Strontium		0.431	mg/L		0.00100	0.0050	4/3/2012 4:07:00 PM	
Thallium		ND	mg/L		0.00020	0.0010	4/3/2012 4:07:00 PM	
Tin		ND	mg/L		0.00100	0.0050	4/3/2012 4:07:00 PM	
Titanium		ND	mg/L		0.00100	0.0050	4/3/2012 4:07:00 PM	
Uranium		ND	mg/L		0.00100	0.0100	4/3/2012 4:07:00 PM	
Vanadium		ND	mg/L		0.00100	0.0100	4/3/2012 4:07:00 PM	
MERCURY, TOT	ΓAL			E245.1			Analyst: <b>DS</b>	
Mercury		ND	mg/L		0.00010	0.0010	4/3/2012 8:59:48 AM	
VOLATILE ORG	ANIC COMPOUNDS			SW8260B			Analyst: <b>AS</b>	
Acetone		ND	ua/L		4.88	10.0	3/30/2012 10:39:00 AM	
Acrolein		ND	μg/L		4.36	10.0	3/30/2012 10:39:00 AM	
Acrylonitrile		ND	µg/L		4.24	10.0	3/30/2012 10:39:00 AM	
Benzene		ND	μg/L		0.13	1.0	3/30/2012 10:39:00 AM	
Kov: MCL Ma	aximum Contaminant Level			J Analv	te detected be	elow quantitation	limits	
MDL Mi	nimum Detection Limit			B Analy	te detected in	the associated M	ethod Blank	
NA No	t Applicable			E Estim	ated Value al	ove quantitation	range	

ND Not Detected at the PQL or MDL

PQL Practical Quantitation Limit

TIC Tentatively Identified Compound, Estimated Concentration

Н Holding times for preparation or analysis exceeded

S Spike/Surrogate Recovery exceeds REIC control limits

\* Value exceeds MCL or Regulatory Limits

REI Consultants, Inc.		Analy	vtical <b>R</b>	esults	D	ate: 06-Apr-	12
CLIENT:	TRIAD ENGINE	ERING -ST A	LBANS	Work	Order:	1203S27	Lab ID 1203S27-02A
<b>Client Sample</b>	<b>ID:</b> DW-32R2			DateR	eceived:	3/29/2012	
Project:	04-12-0091			Collec	tion Date	e: 3/28/2012	7:15:00 PM
Site ID:	PRENTER			Matri	v.		
Site ID.	TRENTER			Iviati I.	А.	LIQUID	
Analyses		Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE OR	GANIC COMPOUNDS	i		SW8260B			Analyst: AS
Bromobenzene		ND	µg/L		0.25	1.0	3/30/2012 10:39:00 AM
Bromochlorome	thane	ND	µg/L		0.35	1.0	3/30/2012 10:39:00 AM
Bromodichlorom	nethane	ND	µg/L		0.16	1.0	3/30/2012 10:39:00 AM
Bromoform		ND	µg/L		0.40	1.0	3/30/2012 10:39:00 AM
Bromomethane		ND	µg/L		0.50	1.0	3/30/2012 10:39:00 AM
2-Butanone		ND	µg/L		4.68	10.0	3/30/2012 10:39:00 AM
n-Butylbenzene		ND	µg/L		0.25	1.0	3/30/2012 10:39:00 AM
sec-Butylbenzer	ne	ND	µg/L		0.28	1.0	3/30/2012 10:39:00 AM
tert-Butylbenzer	ne	ND	µg/L		0.24	1.0	3/30/2012 10:39:00 AM
Carbon disulfide	e	ND	µg/L		1.27	5.0	3/30/2012 10:39:00 AM
Carbon tetrachle	oride	ND	µg/L		0.25	1.0	3/30/2012 10:39:00 AM
Chlorobenzene		ND	µg/L		0.18	1.0	3/30/2012 10:39:00 AM
Chloroethane		ND	µg/L		0.94	1.0	3/30/2012 10:39:00 AM
Chloroform		ND	µg/L		0.25	1.0	3/30/2012 10:39:00 AM
Chloromethane		ND	µg/L		0.33	1.0	3/30/2012 10:39:00 AM
2-Chlorotoluene	)	ND	µg/L		0.25	1.0	3/30/2012 10:39:00 AM
4-Chlorotoluene	)	ND	µg/L		0.28	1.0	3/30/2012 10:39:00 AM
Dibromochlorom	nethane	ND	µg/L		0.42	1.0	3/30/2012 10:39:00 AM
1,2-Dibromo-3-0	chloropropane	ND	µg/L		0.50	1.0	3/30/2012 10:39:00 AM
1,2-Dibromoetha	ane	ND	µg/L		0.34	1.0	3/30/2012 10:39:00 AM
Dibromomethan	ie	ND	µg/L		0.29	1.0	3/30/2012 10:39:00 AM
1,2-Dichloroben	izene	ND	µg/L		0.45	1.0	3/30/2012 10:39:00 AM
1,3-Dichloroben	izene	ND	µg/L		0.14	1.0	3/30/2012 10:39:00 AM
1,4-Dichloroben	izene	ND	µg/L		0.29	1.0	3/30/2012 10:39:00 AM
Dichlorodifluoro	methane	ND	µg/L		0.71	1.0	3/30/2012 10:39:00 AM
1,1-Dichloroetha	ane	ND	µg/L		0.38	1.0	3/30/2012 10:39:00 AM
1,2-Dichloroetha	ane	ND	µg/L		0.43	1.0	3/30/2012 10:39:00 AM
1,1-Dichloroethe	ene	ND	µg/L		0.33	1.0	3/30/2012 10:39:00 AM
cis-1,2-Dichloro	bethene	ND	µg/L		0.23	1.0	3/30/2012 10:39:00 AM
trans-1,2-Dichlo	proethene	ND	µg/L		0.39	1.0	3/30/2012 10:39:00 AM
1,2-Dichloropro	pane	ND	µg/L		0.46	1.0	3/30/2012 10:39:00 AM
1,3-Dichloropro	pane	ND	µg/L		0.71	1.0	3/30/2012 10:39:00 AM
2,2-Dichloropro	pane	ND	µg/L		0.23	1.0	3/30/2012 10:39:00 AM
1,1-Dichloropro	pene	ND	µg/L		0.33	1.0	3/30/2012 10:39:00 AM
cis-1,3-Dichloro	propene	ND	µg/L		0.22	1.0	3/30/2012 10:39:00 AM
trans-1,3-Dichlo	propropene	ND	µg/L		0.22	1.0	3/30/2012 10:39:00 AM
Ethylbenzene		ND	µg/L		0.18	1.0	3/30/2012 10:39:00 AM

MDL Minimum Detection Limit

NA Not Applicable

ND Not Detected at the PQL or MDL

PQL Practical Quantitation Limit

TIC Tentatively Identified Compound, Estimated Concentration

J Analyte detected below quantitation limits

B Analyte detected in the associated Method Blank

E Estimated Value above quantitation range

H Holding times for preparation or analysis exceeded

S Spike/Surrogate Recovery exceeds REIC control limits

\* Value exceeds MCL or Regulatory Limits

REI C	Consultants, Inc.	Analy	tical <b>R</b>	esults Da	nte: 06-Apr-	12			
CLIENT	<b>T:</b> TRIAD ENGINEERI	NG -ST A	LBANS	WorkOrder:	1203S27	Lab ID 1203S27-02A			
Client S	ample ID: DW-32R2			DateReceived:	3/29/2012				
Project.	04-12-0091			Collection Date	· 3/28/2012	7·15·00 PM			
Cite TD.	DENTED			Moduin		/.15.00 1 101			
Site ID:	PKENTEK			Matrix:	LIQUID				
Analyses	S	Result	Units	Qual MDL	PQL	Date Analyzed			
VOLATII	LE ORGANIC COMPOUNDS			SW8260B		Analyst: <b>AS</b>			
Hexachl	orobutadiene	ND	µg/L	0.26	1.0	3/30/2012 10:39:00 AM			
2-Hexan	none	ND	µg/L	4.11	10.0	3/30/2012 10:39:00 AM			
lodomet	hane	ND	µg/L	3.44	10.0	3/30/2012 10:39:00 AM			
Isopropy	lbenzene	ND	µg/L	0.23	1.0	3/30/2012 10:39:00 AM			
4-Isopro	pyltoluene	ND	µg/L	0.24	1.0	3/30/2012 10:39:00 AM			
Methyler	ne chloride	ND	µg/L	0.54	1.0	3/30/2012 10:39:00 AM			
4-Methy	1-2-pentanone	ND	µg/L	4.40	10.0	3/30/2012 10:39:00 AM			
Methyl te	ert-butyl ether	ND	µg/L	0.76	5.0	3/30/2012 10:39:00 AM			
Naphtha	alene	ND	µg/L	0.42	1.0	3/30/2012 10:39:00 AM			
n-Propyl	lbenzene	ND	µg/L	0.14	1.0	3/30/2012 10:39:00 AM			
Styrene		ND	µg/L	0.24	1.0	3/30/2012 10:39:00 AM			
1,1,1,2-	Tetrachloroethane	ND	µg/L	0.36	1.0	3/30/2012 10:39:00 AM			
1,1,2,2-	Tetrachloroethane	ND	µg/L	0.38	1.0	3/30/2012 10:39:00 AM			
Tetrachl	oroethene	ND	µg/L	0.20	1.0	3/30/2012 10:39:00 AM			
Toluene		ND	µg/L	0.17	1.0	3/30/2012 10:39:00 AM			
1,2,3-Tr	ichlorobenzene	ND	µg/L	0.41	1.0	3/30/2012 10:39:00 AM			
1,2,4-Tr	ichlorobenzene	ND	µg/L	0.41	1.0	3/30/2012 10:39:00 AM			
1,1,1-Tr	ichloroethane	ND	µg/L	0.35	1.0	3/30/2012 10:39:00 AM			
1,1,2-Tr	ichloroethane	ND	µg/L	0.49	1.0	3/30/2012 10:39:00 AM			
Trichloro	pethene	ND	µg/L	0.30	1.0	3/30/2012 10:39:00 AM			
Trichloro	ofluoromethane	ND	µg/L	0.30	1.0	3/30/2012 10:39:00 AM			
1,2,3-Tr	ichloropropane	ND	µg/L	0.36	1.0	3/30/2012 10:39:00 AM			
1,2,4-Tr	imethylbenzene	ND	µg/L	0.28	1.0	3/30/2012 10:39:00 AM			
1,3,5-Tr	imethylbenzene	ND	µg/L	0.28	1.0	3/30/2012 10:39:00 AM			
Vinyl ac	etate	ND	µg/L	4.87	10.0	3/30/2012 10:39:00 AM			
Vinyl ch	loride	ND	µg/L	0.22	1.0	3/30/2012 10:39:00 AM			
o-Xylene	9	ND	µg/L	0.19	1.0	3/30/2012 10:39:00 AM			
m,p-Xyle	ene	ND	µg/L	0.29	2.0	3/30/2012 10:39:00 AM			
Surr:	1,2-Dichloroethane-d4	101	%REC		80-120	3/30/2012 10:39:00 AM			
Surr:	4-Bromofluorobenzene	93.7	%REC		86-115	3/30/2012 10:39:00 AM			
Surr:	Dibromofluoromethane	102	%REC		80-120	3/30/2012 10:39:00 AM			
Surr:	Toluene-d8	103	%REC		88-110	3/30/2012 10:39:00 AM			
SURFAC	CTANTS			SM5540 C		Analyst: CC			
MBAS		ND	mg/L	0.100	0.250	3/30/2012 2:52:00 PM			
ANIONS	BY ION CHROMATOGRAPHY	_	-	E300.0		Analyst: CF			
Chloride	)	73.0	mg/L	0.500	5.00	3/31/2012 7:14:00 AM			
Key: <sup>1</sup>	MCL Maximum Contaminant Level			J Analyte detected be	low quantitation	limits			
Ν	MDL Minimum Detection Limit			B Analyte detected in	the associated M	ethod Blank			
	NA Not Applicable			E Estimated Value ab	ove quantitation	range			
	ND Not Detected at the PQL or MDL			H Holding times for preparation or analysis exceeded					
]	PQL Practical Quantitation Limit			S Spike/Surrogate Re	covery exceeds F	REIC control limits			
	TIC Tentatively Identified Compound, H	Estimated Co	ncentration	<ul> <li>* Value exceeds MC</li> </ul>	L or Regulatory I	Limits			

<b>REI Cons</b>	ultants, Inc.	Analy	vtical <b>R</b>	Results	D	ate: 06-Apr-	12
CLIENT:	TRIAD ENGINEERIN	NG -ST A	LBANS	Work(	Order:	1203S27	Lab ID 1203S27-02A
<b>Client Sample</b>	<b>ID:</b> DW-32R2			DateRe	eceived:	3/29/2012	
Project:	04-12-0091			Collect	ion Dat	e: 3/28/2012	7:15:00 PM
Site ID:	PRENTER			Matrix	:	LIQUID	
Analyses		Result	Units	Qual	MDL	PQL	Date Analyzed
ANIONS BY IC	ON CHROMATOGRAPHY			E300.0			Analyst: <b>CF</b>
Fluoride		0.58	mg/L		0.040	0.20	3/31/2012 7:14:00 AM
Sulfate		ND	mg/L		1.00	5.00	3/31/2012 7:14:00 AM
TOTAL DISSO	LVED SOLIDS			SM2540 C			Analyst: SF
Total Dissolved	Solids	411	mg/L		5.0	10	3/31/2012 10:07:00 AM
ACIDITY				SM2310 B			Analyst: <b>DSD</b>
Acidity, Total		9.1	mg/L	J	1.00	10.0	4/2/2012 11:42:00 AM
ALKALINITY				SM2320 B			Analyst: <b>DSD</b>
Alkalinity, Bicarl	bonate (As CaCO3)	131	mg/L		1.00	10.0	4/2/2012 11:42:00 AM
ALKALINITY				SM2320 B			Analyst: <b>DSD</b>
Alkalinity, Carbo	onate (As CaCO3)	ND	mg/L		1.00	10.0	4/2/2012 11:42:00 AM
ALKALINITY				SM2320 B			Analyst: <b>DSD</b>
Alkalinity, Total	(As CaCO3)	131	mg/L		1.00	10.0	4/2/2012 11:42:00 AM
PH - LAB TES	T, HOLD TIME EXPIRED			SM4500-H+-I	В		Analyst: <b>DSD</b>
рН		7.41	SU		NA	NA	4/2/2012 11:42:00 AM

- MDL Minimum Detection Limit
- NA Not Applicable
- ND Not Detected at the PQL or MDL
- PQL Practical Quantitation Limit
- TIC Tentatively Identified Compound, Estimated Concentration
- J Analyte detected below quantitation limits
- B Analyte detected in the associated Method Blank
- E Estimated Value above quantitation range
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate Recovery exceeds REIC control limits
- \* Value exceeds MCL or Regulatory Limits

<b>REI</b> Consultants, Inc.		Analy	tical R	esults	<b>Date:</b> 06-Apr-12			
CLIEN	T:	TRIAD ENGINEERI	NG -ST A	LBANS	Work	Order:	1203S27	Lab ID 1203S27-03A
Client S	Sampl	le ID: DW-32R3			DateF	Received:	3/29/2012	
Project	:	04-12-0091			Collec	tion Date	: 3/28/2012	7:30:00 PM
Site ID:	:	PRENTER			Matri	x:	LIQUID	
Analyse	es		Result	Units	Qual	MDL	PQL	Date Analyzed
METAL	S BY	ICP			E200.7			Analyst: LF
Alumin	um		ND	mg/L		0.0060	0.100	4/3/2012 1:39:00 PM
Calciur	m		5.46	mg/L		0.0500	1.00	4/3/2012 1:39:00 PM
Cobalt			ND	mg/L		0.0030	0.100	4/3/2012 1:39:00 PM
Iron			0.110	mg/L		0.0100	0.100	4/3/2012 1:39:00 PM
Magne	sium		1.37	ma/L		0.0500	0.500	4/3/2012 1:39:00 PM
Manga	nese		0.006	mg/L	J	0.0020	0.100	4/3/2012 1:39:00 PM
Potass	ium		2.20	mg/L		0.0500	0.500	4/3/2012 1:39:00 PM
Sodium	n		124	mg/L		0.500	10.0	4/5/2012 7:52:25 PM
Zinc			0.094	mg/L		0.0050	0.050	4/3/2012 1:39:00 PM
METAL	S BY	ICP-MS			E200.8			Analyst: JD
Antimo	ony		ND	mg/L		0.00020	0.0010	4/3/2012 4:12:00 PM
Arsenio	С		ND	mg/L		0.00100	0.0050	4/3/2012 4:12:00 PM
Barium	า		0.371	mg/L		0.00100	0.0050	4/3/2012 4:12:00 PM
Berylliu	um		ND	mg/L		0.00020	0.0010	4/3/2012 4:12:00 PM
Cadmiu	um		ND	mg/L		0.00020	0.0010	4/3/2012 4:12:00 PM
Chromi	ium		ND	mg/L		0.00100	0.0050	4/3/2012 4:12:00 PM
Copper	r		0.0343	mg/L		0.00100	0.0050	4/3/2012 4:12:00 PM
Lead			0.0059	mg/L		0.00020	0.0010	4/3/2012 4:12:00 PM
Molybd	lenum		0.0021	mg/L	J	0.00100	0.0050	4/3/2012 4:12:00 PM
Nickel			ND	mg/L		0.00200	0.0100	4/3/2012 4:12:00 PM
Seleniu	um		ND	mg/L		0.00100	0.0050	4/5/2012 4:03:00 PM
Silver			ND	mg/L		0.00100	0.0050	4/3/2012 4:12:00 PM
Strontiu	um		0.427	mg/L		0.00100	0.0050	4/3/2012 4:12:00 PM
Thalliur	m		ND	mg/L		0.00020	0.0010	4/3/2012 4:12:00 PM
Tin			ND	mg/L		0.00100	0.0050	4/3/2012 4:12:00 PM
Titaniu	m		ND	mg/L		0.00100	0.0050	4/3/2012 4:12:00 PM
Uraniur	m		ND	mg/L		0.00100	0.0100	4/3/2012 4:12:00 PM
Vanadi	ium		ND	mg/L		0.00100	0.0100	4/3/2012 4:12:00 PM
MERCU	JRY, T	OTAL			E245.1			Analyst: DS
Mercur	ry		ND	mg/L		0.00010	0.0010	4/3/2012 9:02:00 AM
VOLAT	ILE O	RGANIC COMPOUNDS			SW8260B			Analyst: AS
Aceton	e		ND	µg/L		4.88	10.0	3/30/2012 11:12:00 AM
Acrolei	in		ND	µg/L		4.36	10.0	3/30/2012 11:12:00 AM
Acrylor	nitrile		ND	µg/L		4.24	10.0	3/30/2012 11:12:00 AM
Benzer	ne		ND	µg/L		0.13	1.0	3/30/2012 11:12:00 AM
Key:	MCL	Maximum Contaminant Level			J Analy	te detected be	elow quantitation	limits
•	MDL	Minimum Detection Limit			B Analy	te detected in	the associated M	ethod Blank
	NA	Not Applicable			E Estim	ated Value al	ove quantitation	range

ND Not Detected at the PQL or MDL

PQL Practical Quantitation Limit

TIC Tentatively Identified Compound, Estimated Concentration

Н Holding times for preparation or analysis exceeded

S Spike/Surrogate Recovery exceeds REIC control limits

Value exceeds MCL or Regulatory Limits \*

REI Consultants, Inc.		Analy	tical <b>R</b>	esults	D	ate: 06-Apr-	12
CLIENT:	TRIAD ENGINE	ERING -ST A	LBANS	Work	Order:	1203S27	Lab ID 1203S27-03A
<b>Client Sample</b>	<b>ID:</b> DW-32R3			DateR	eceived:	3/29/2012	
Project:	04-12-0091			Collec	tion Dat	e: 3/28/2012	7:30:00 PM
Site ID:	PRENTER			Matri	v.		
Site ID.	TREATER			Watth	Δ.	LIQUID	
Analyses		Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE OR	GANIC COMPOUNDS	;		SW8260B			Analyst: AS
Bromobenzene		ND	µg/L		0.25	1.0	3/30/2012 11:12:00 AM
Bromochlorome	thane	ND	µg/L		0.35	1.0	3/30/2012 11:12:00 AM
Bromodichlorom	lethane	ND	µg/L		0.16	1.0	3/30/2012 11:12:00 AM
Bromoform		ND	µg/L		0.40	1.0	3/30/2012 11:12:00 AM
Bromomethane		ND	µg/L		0.50	1.0	3/30/2012 11:12:00 AM
2-Butanone		ND	µg/L		4.68	10.0	3/30/2012 11:12:00 AM
n-Butylbenzene		ND	µg/L		0.25	1.0	3/30/2012 11:12:00 AM
sec-Butylbenzer	ne	ND	µg/L		0.28	1.0	3/30/2012 11:12:00 AM
tert-Butylbenzen	e	ND	µg/L		0.24	1.0	3/30/2012 11:12:00 AM
Carbon disulfide	)	ND	µg/L		1.27	5.0	3/30/2012 11:12:00 AM
Carbon tetrachlo	oride	ND	µg/L		0.25	1.0	3/30/2012 11:12:00 AM
Chlorobenzene		ND	µg/L		0.18	1.0	3/30/2012 11:12:00 AM
Chloroethane		ND	µg/L		0.94	1.0	3/30/2012 11:12:00 AM
Chloroform		ND	µg/L		0.25	1.0	3/30/2012 11:12:00 AM
Chloromethane		ND	µg/L		0.33	1.0	3/30/2012 11:12:00 AM
2-Chlorotoluene		ND	µg/L		0.25	1.0	3/30/2012 11:12:00 AM
4-Chlorotoluene		ND	µg/L		0.28	1.0	3/30/2012 11:12:00 AM
Dibromochlorom	nethane	ND	µg/L		0.42	1.0	3/30/2012 11:12:00 AM
1,2-Dibromo-3-c	chloropropane	ND	µg/L		0.50	1.0	3/30/2012 11:12:00 AM
1,2-Dibromoetha	ane	ND	µg/L		0.34	1.0	3/30/2012 11:12:00 AM
Dibromomethan	e	ND	µg/L		0.29	1.0	3/30/2012 11:12:00 AM
1,2-Dichloroben	zene	ND	µg/L		0.45	1.0	3/30/2012 11:12:00 AM
1,3-Dichloroben	zene	ND	µg/L		0.14	1.0	3/30/2012 11:12:00 AM
1,4-Dichloroben	zene	ND	µg/L		0.29	1.0	3/30/2012 11:12:00 AM
Dichlorodifluoror	methane	ND	µg/L		0.71	1.0	3/30/2012 11:12:00 AM
1,1-Dichloroetha	ane	ND	µg/L		0.38	1.0	3/30/2012 11:12:00 AM
1,2-Dichloroetha	ane	ND	µg/L		0.43	1.0	3/30/2012 11:12:00 AM
1,1-Dichloroethe	ene	ND	µg/L		0.33	1.0	3/30/2012 11:12:00 AM
cis-1,2-Dichloro	ethene	ND	µg/L		0.23	1.0	3/30/2012 11:12:00 AM
trans-1,2-Dichlo	roethene	ND	µg/L		0.39	1.0	3/30/2012 11:12:00 AM
1,2-Dichloroprop	Dane	ND	µg/L		0.46	1.0	3/30/2012 11:12:00 AM
1,3-Dichloroprop	Dane	ND	µg/L		0.71	1.0	3/30/2012 11:12:00 AM
2,2-Dichloroprop	Dane	ND	µg/L		0.23	1.0	3/30/2012 11:12:00 AM
1,1-Dichloroprop	Dene	ND	µg/L		0.33	1.0	3/30/2012 11:12:00 AM
cis-1,3-Dichloro	propene	ND	µg/L		0.22	1.0	3/30/2012 11:12:00 AM
trans-1,3-Dichlo	ropropene	ND	µg/L		0.22	1.0	3/30/2012 11:12:00 AM
Ethylbenzene		ND	µg/L		0.18	1.0	3/30/2012 11:12:00 AM

MDL Minimum Detection Limit

NA Not Applicable

ND Not Detected at the PQL or MDL

PQL Practical Quantitation Limit

TIC Tentatively Identified Compound, Estimated Concentration

J Analyte detected below quantitation limits

B Analyte detected in the associated Method Blank

E Estimated Value above quantitation range

H Holding times for preparation or analysis exceeded

S Spike/Surrogate Recovery exceeds REIC control limits

\* Value exceeds MCL or Regulatory Limits

<b>Date:</b> 06-Apr-12					
kOrder:	1203S27	Lab ID 1203S27-03A			
Received	: 3/29/2012				
ection Dat	te: 3/28/2012	7:30:00 PM			
rix:	LIOUID				
al MDL	POL	Date Analyzed			
	TQL	Dute Muly Leu			
В		Analyst: AS			
0.26	1.0	3/30/2012 11:12:00 AM			
4.11	10.0	3/30/2012 11:12:00 AM			
3.44	10.0	3/30/2012 11:12:00 AM			
0.23	1.0	3/30/2012 11:12:00 AM			
0.24	1.0	3/30/2012 11:12:00 AM			
0.54	1.0	3/30/2012 11:12:00 AM			
4.40	10.0	3/30/2012 11:12:00 AM			
0.76	5.0	3/30/2012 11:12:00 AM			
0.42	1.0	3/30/2012 11:12:00 AM			
0.14	1.0	3/30/2012 11:12:00 AM			
0.24	1.0	3/30/2012 11:12:00 AM			
0.36	1.0	3/30/2012 11:12:00 AM			
0.38	1.0	3/30/2012 11:12:00 AM			
0.20	1.0	3/30/2012 11:12:00 AM			
0.17	1.0	3/30/2012 11:12:00 AM			
0.41	1.0	3/30/2012 11:12:00 AM			
0.41	1.0	3/30/2012 11:12:00 AM			
0.35	1.0	3/30/2012 11:12:00 AM			
0.49	1.0	3/30/2012 11:12:00 AM			
0.30	1.0	3/30/2012 11:12:00 AM			
0.30	1.0	3/30/2012 11:12:00 AM			
0.36	1.0	3/30/2012 11:12:00 AM			
0.28	1.0	3/30/2012 11:12:00 AM			
0.28	1.0	3/30/2012 11:12:00 AM			
4.87	10.0	3/30/2012 11:12:00 AM			
0.22	1.0	3/30/2012 11:12:00 AM			
0.19	1.0	3/30/2012 11:12:00 AM			
0.29	20	3/30/2012 11:12:00 AM			
0.20	80-120	3/30/2012 11:12:00 AM			
	86-115	3/30/2012 11:12:00 AM			
	80-120	3/30/2012 11:12:00 AM			
	88-110	3/30/2012 11:12:00 AM			
с		Analyst: CC			
0.100	0.250	3/30/2012 2:52:00 PM			
		Analyst: CF			
0.500	5.00	3/31/2012 7:32:00 AM			
lyte detected	below quantitation	ı limits			
lyte detected	in the associated N	/lethod Blank			
nated Value	above quantitation	ı range			
ADL H Holding times for preparation or analysis exceeded					
e/Surrogate	Recovery exceeds I	REIC control limits			
	0.500 yte detected yte detected nated Value ling times for e/Surrogate	0.500 5.00 yte detected below quantitation yte detected in the associated M nated Value above quantitation ling times for preparation or an e/Surrogate Recovery exceeds e exceeds MCL or Regulatory			

<b>REI Cons</b>	ultants, Inc.	Analy	tical <b>R</b>	Results	D	<b>Date:</b> 06-Apr-12		
CLIENT:	TRIAD ENGINEERIN	IG -ST A	LBANS	Work(	Order:	1203S27	Lab ID 1203S27-03A	
<b>Client Sample</b>	<b>ID:</b> DW-32R3			DateRe	eceived:	3/29/2012		
Project:	04-12-0091			Collect	tion Date	e: 3/28/2012	7:30:00 PM	
Site ID:	PRENTER			Matrix	:	LIQUID		
Analyses		Result	Units	Qual	MDL	PQL	Date Analyzed	
ANIONS BY IC	ON CHROMATOGRAPHY			E300.0			Analyst: <b>CF</b>	
Fluoride		0.49	mg/L		0.040	0.20	3/31/2012 7:32:00 AM	
Sulfate		ND	mg/L		1.00	5.00	3/31/2012 7:32:00 AM	
TOTAL DISSO	LVED SOLIDS			SM2540 C			Analyst: SF	
Total Dissolved	Solids	404	mg/L		5.0	10	3/31/2012 10:07:00 AM	
ACIDITY				SM2310 B			Analyst: DSD	
Acidity, Total		8.8	mg/L	J	1.00	10.0	4/2/2012 11:42:00 AM	
ALKALINITY				SM2320 B			Analyst: <b>DSD</b>	
Alkalinity, Bicarl	bonate (As CaCO3)	133	mg/L		1.00	10.0	4/2/2012 11:42:00 AM	
ALKALINITY				SM2320 B			Analyst: <b>DSD</b>	
Alkalinity, Carbo	onate (As CaCO3)	ND	mg/L		1.00	10.0	4/2/2012 11:42:00 AM	
ALKALINITY				SM2320 B			Analyst: DSD	
Alkalinity, Total	(As CaCO3)	133	mg/L		1.00	10.0	4/2/2012 11:42:00 AM	
PH - LAB TES	T, HOLD TIME EXPIRED			SM4500-H+-I	В		Analyst: DSD	
рН		7.51	SU		NA	NA	4/2/2012 11:42:00 AM	

- MDL Minimum Detection Limit
- NA Not Applicable
- ND Not Detected at the PQL or MDL
- PQL Practical Quantitation Limit
- TIC Tentatively Identified Compound, Estimated Concentration
- J Analyte detected below quantitation limits
- B Analyte detected in the associated Method Blank
- E Estimated Value above quantitation range
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate Recovery exceeds REIC control limits
- \* Value exceeds MCL or Regulatory Limits

REI Consultants, Inc.		Analy	tical <b>R</b>	esults	D	ate: 06-Apr-	12
CLIENT:	TRIAD ENGINE	ERING -ST A	LBANS	Work	Order:	1203S27	Lab ID 1203S27-04A
Client Sample	ID: TRIP BLANK			DateR	eceived:	3/29/2012	
Project.	04-12-0091			Collec	tion Dat	e• 3/28/2012	
Site D	DDENTED			M-4			
Site ID:	PRENTER			Matrix	X:	I KIP BLA	
Analyses		Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE OR	GANIC COMPOUNDS			SW8260B			Analyst: AS
Acetone		ND	µg/L		4.88	10.0	3/30/2012 11:45:00 AM
Acrolein		ND	µg/L		4.36	10.0	3/30/2012 11:45:00 AM
Acrylonitrile		ND	µg/L		4.24	10.0	3/30/2012 11:45:00 AM
Benzene		ND	µg/L		0.13	1.0	3/30/2012 11:45:00 AM
Bromobenzene		ND	µg/L		0.25	1.0	3/30/2012 11:45:00 AM
Bromochlorome	ethane	ND	µg/L		0.35	1.0	3/30/2012 11:45:00 AM
Bromodichlorom	nethane	ND	µg/L		0.16	1.0	3/30/2012 11:45:00 AM
Bromoform		ND	µg/L		0.40	1.0	3/30/2012 11:45:00 AM
Bromomethane		ND	µg/L		0.50	1.0	3/30/2012 11:45:00 AM
2-Butanone		ND	µg/L		4.68	10.0	3/30/2012 11:45:00 AM
n-Butylbenzene		ND	µg/L		0.25	1.0	3/30/2012 11:45:00 AM
sec-Butylbenze	ne	ND	µg/L		0.28	1.0	3/30/2012 11:45:00 AM
tert-Butylbenzer	ne	ND	µg/L		0.24	1.0	3/30/2012 11:45:00 AM
Carbon disulfide	9	ND	µg/L		1.27	5.0	3/30/2012 11:45:00 AM
Carbon tetrachle	oride	ND	µg/L		0.25	1.0	3/30/2012 11:45:00 AM
Chlorobenzene		ND	µg/L		0.18	1.0	3/30/2012 11:45:00 AM
Chloroethane		ND	µg/L		0.94	1.0	3/30/2012 11:45:00 AM
Chloroform		ND	µg/L		0.25	1.0	3/30/2012 11:45:00 AM
Chloromethane		ND	µg/L		0.33	1.0	3/30/2012 11:45:00 AM
2-Chlorotoluene	9	ND	µg/L		0.25	1.0	3/30/2012 11:45:00 AM
4-Chlorotoluene	9	ND	µg/L		0.28	1.0	3/30/2012 11:45:00 AM
Dibromochloron	nethane	ND	µg/L		0.42	1.0	3/30/2012 11:45:00 AM
1,2-Dibromo-3-0	chloropropane	ND	µg/L		0.50	1.0	3/30/2012 11:45:00 AM
1,2-Dibromoeth	ane	ND	µg/L		0.34	1.0	3/30/2012 11:45:00 AM
Dibromomethan	ie	ND	µg/L		0.29	1.0	3/30/2012 11:45:00 AM
1,2-Dichloroben	izene	ND	µg/L		0.45	1.0	3/30/2012 11:45:00 AM
1,3-Dichloroben	izene	ND	µg/L		0.14	1.0	3/30/2012 11:45:00 AM
1,4-Dichloroben	izene	ND	µg/L		0.29	1.0	3/30/2012 11:45:00 AM
Dichlorodifluoro	methane	ND	µg/L		0.71	1.0	3/30/2012 11:45:00 AM
1,1-Dichloroetha	ane	ND	µg/L		0.38	1.0	3/30/2012 11:45:00 AM
1,2-Dichloroetha	ane	ND	µg/L		0.43	1.0	3/30/2012 11:45:00 AM
1,1-Dichloroethe	ene	ND	µg/L		0.33	1.0	3/30/2012 11:45:00 AM
cis-1,2-Dichloro	bethene	ND	µg/L		0.23	1.0	3/30/2012 11:45:00 AM
trans-1,2-Dichlo	proethene	ND	µg/L		0.39	1.0	3/30/2012 11:45:00 AM
1,2-Dichloropro	pane	ND	µg/L		0.46	1.0	3/30/2012 11:45:00 AM
1,3-Dichloropro	pane	ND	µg/L		0.71	1.0	3/30/2012 11:45:00 AM
2,2-Dichloropro	pane	ND	µg/L		0.23	1.0	3/30/2012 11:45:00 AM

MCL Maximum Contaminant Level Key:

MDL Minimum Detection Limit

NA Not Applicable

ND Not Detected at the PQL or MDL

PQL Practical Quantitation Limit

TIC Tentatively Identified Compound, Estimated Concentration

Analyte detected below quantitation limits J

В Analyte detected in the associated Method Blank

Е Estimated Value above quantitation range

Н Holding times for preparation or analysis exceeded

S Spike/Surrogate Recovery exceeds REIC control limits

\* Value exceeds MCL or Regulatory Limits

	ultants, Inc.	Anary		csuits		*	
CLIENT:	TRIAD ENGINEERI	NG -ST A	LBANS	WorkO	rder:	1203S27	Lab ID 1203S27-04A
Client Sample	e <b>ID:</b> TRIP BLANK			DateRe	ceived:	3/29/2012	
Proiect:	04-12-0091			Collecti	on Date	e: 3/28/2012	
Site ID:	PRENTER			Matrix		TRIP BLA	NK
Site ID.	TRENTER			wiati ix.		I KII DLA	
Analyses		Result	Units	Qual	MDL	PQL	Date Analyzed
	RGANIC COMPOUNDS			SW8260B			Analyst: <b>AS</b>
1,1-Dichloropro	opene	ND	µg/L		0.33	1.0	3/30/2012 11:45:00 AM
cis-1,3-Dichlor	opropene	ND	µg/L		0.22	1.0	3/30/2012 11:45:00 AM
trans-1,3-Dichl	oropropene	ND	µg/L		0.22	1.0	3/30/2012 11:45:00 AM
Ethylbenzene		ND	µg/L		0.18	1.0	3/30/2012 11:45:00 AM
Hexachlorobuta	adiene	ND	µg/L		0.26	1.0	3/30/2012 11:45:00 AM
2-Hexanone		ND	µg/L		4.11	10.0	3/30/2012 11:45:00 AM
lodomethane		ND	µg/L		3.44	10.0	3/30/2012 11:45:00 AM
Isopropylbenze	ene	ND	µg/L		0.23	1.0	3/30/2012 11:45:00 AM
4-Isopropyltolu	ene	ND	µg/L		0.24	1.0	3/30/2012 11:45:00 AM
Methylene chlo	ride	ND	µg/L		0.54	1.0	3/30/2012 11:45:00 AM
4-Methyl-2-pen	itanone	ND	µg/L		4.40	10.0	3/30/2012 11:45:00 AM
Methyl tert-buty	yl ether	ND	µg/L		0.76	5.0	3/30/2012 11:45:00 AM
Naphthalene		ND	µg/L		0.42	1.0	3/30/2012 11:45:00 AM
n-Propylbenzer	ne	ND	µg/L		0.14	1.0	3/30/2012 11:45:00 AM
Styrene		ND	µg/L		0.24	1.0	3/30/2012 11:45:00 AM
1,1,1,2-Tetrach	nloroethane	ND	µg/L		0.36	1.0	3/30/2012 11:45:00 AM
1,1,2,2-Tetrach	nloroethane	ND	µg/L		0.38	1.0	3/30/2012 11:45:00 AM
Tetrachloroethe	ene	ND	µg/L		0.20	1.0	3/30/2012 11:45:00 AM
Toluene		ND	µg/L		0.17	1.0	3/30/2012 11:45:00 AM
1,2,3-Trichloro	benzene	ND	µg/L		0.41	1.0	3/30/2012 11:45:00 AM
1,2,4-Trichloro	benzene	ND	µg/L		0.41	1.0	3/30/2012 11:45:00 AM
1,1,1-Trichloro	ethane	ND	µg/L		0.35	1.0	3/30/2012 11:45:00 AM
1,1,2-Trichloro	ethane	ND	µg/L		0.49	1.0	3/30/2012 11:45:00 AM
Trichloroethene	e	ND	µg/L		0.30	1.0	3/30/2012 11:45:00 AM
Trichlorofluoror	methane	ND	µg/L		0.30	1.0	3/30/2012 11:45:00 AM
1,2,3-Trichloro	propane	ND	µg/L		0.36	1.0	3/30/2012 11:45:00 AM
1,2,4-Trimethy	lbenzene	ND	µg/L		0.28	1.0	3/30/2012 11:45:00 AM
1,3,5-Trimethy	lbenzene	ND	µg/L		0.28	1.0	3/30/2012 11:45:00 AM
Vinyl acetate		ND	µg/L		4.87	10.0	3/30/2012 11:45:00 AM
Vinyl chloride		ND	µg/L		0.22	1.0	3/30/2012 11:45:00 AM
o-Xylene		ND	µg/L		0.19	1.0	3/30/2012 11:45:00 AM
m,p-Xylene		ND	µg/L		0.29	2.0	3/30/2012 11:45:00 AM
Surr: 1,2-Dic	chloroethane-d4	106	%REC			80-120	3/30/2012 11:45:00 AM
Surr: 4-Brom	nofluorobenzene	102	%REC			86-115	3/30/2012 11:45:00 AM
Surr: Dibrom	nofluoromethane	104	%REC			80-120	3/30/2012 11:45:00 AM
Surr: Toluen	ie-d8	99.0	%REC			88-110	3/30/2012 11:45:00 AM
Surf. Toluen	16-00	99.0				00-110	5/50/2012 11.45.00 AIV

- MDL Minimum Detection Limit
- NA Not Applicable
- ND Not Detected at the PQL or MDL
- PQL Practical Quantitation Limit
- TIC Tentatively Identified Compound, Estimated Concentration

J Analyte detected below quantitation limits

- B Analyte detected in the associated Method Blank
- E Estimated Value above quantitation range
- H Holding times for preparation or analysis exceeded

S Spike/Surrogate Recovery exceeds REIC control limits

\* Value exceeds MCL or Regulatory Limits

#### **REI** Consultants, Inc.

**Analytical Results** 

**Date:** 06-Apr-12

A .	<b>U</b> UT NE	Client	t:K	JOHN ME	EEKS	inte.	PO # Phor	B 304, 755.0721
		QUOT	TE #		Fa	x: 304.755	-1880 Email:	IMEEKS ETRIADEN
		Addre	ess 498	O TEAYSV	ALLEY RD.	City	SOTT DEPC	State WV Zip 255
esearch Environmental & Indus	strial Consultants,	Billing	g Address (if (	different)				
AIN LABORATORY & CORPOR P.O. Box 286 • 225 Industrial Par 800-999-0105 • 304-255-2500	RATE HEADQUAR k Rd, Beaver, WV 258 www.reiclabs.com	TERS: 13 Site II	D & State	PRENTER	Project ID	04-12-	0091_Samp	State Zip
MID-OHIO VALLEY           Service Center           101 17th Street         15:           Ashland, KY 41101           606-393-5027	SHENANDOAH Service Center 57 Commerce Rd., Str Verona, VA 24482 540-248-0183	ROANC Service C e. 201 3029-C Peters Roanoke, V/ 540-777-	DKE Senter S Creek Rd A 24019 1276	REQUESTED	PRIMAN SELL	ey SDW Dindaey MD IN	SDWA FAR	S LA METERS
SAMPLE LO	OG & ANAL	YSIS REQUEST		МЕТНОВ		CATI	ONS/AN	NONS
			and the second se	Ko				
TURNAROUND TIME	R I	JSH TURNAROUND 3 DAY 2 DAY and will incur additional cl	1 DAY	NALYSIS (				
TURNAROUND TIME NORMAL *Rush work needs prior SAMPLE ID	Rt	JSH TURNAROUND 3 DAY 2 DAY and will incur additional cl Sampling Date/Time	<b>1 DAY</b> harges Matrix	Sample		· · · ·		SERVATIVE CODE:
TURNAROUND TIME NORMAL *Rush work needs prior SAMPLE ID	Rt	JSH TURNAROUND       3 DAY     2 DAY       and will incur additional cl       Sampling Date/Time       4 5 \ 2 / 1000	1 DAY harges Matrix	Sample Comp/Grab			enter pres 0 None 1 Hydroch	SERVATIVE CODE: 5 Sodium Hydroxide Noric Acid 6 Zinc Acetate
TURNAROUND TIME NORMAL *Rush work needs prior SAMPLE ID F - 3 F - 4	Rt	JSH TURNAROUND       3 DAY     2 DAY       and will incur additional cl       Sampling Date/Time       4,5,12/1000       4,5,12/1020	1 DAY harges Matrix	Sample Comp/Grab			enter pres 0 None 1 Hydroch 2 Nitric Ad 3 Sulfuric	SERVATIVE CODE: 5 Sodium Hydroxide nloric Acid 6 Zinc Acetate cid 7 EDTA Acid 8 Ascorbic Acid
TURNAROUND TIME NORMAL *Rush work needs prior SAMPLE ID F - 3 F - 4 W - 1	Rt	JSH TURNAROUND 3 DAY 2 DAY and will incur additional cl Sampling Date/Time 4.5.12/1000 4.5.12/1020 4.5.12/100	1 DAY harges Matrix W	Sample Comp/Grab			ENTER PRE 0 None 1 Hydroch 2 Nitric Ac 3 Sulfuric 4 Sodium	SERVATIVE CODE: 5 Sodium Hydroxide Noric Acid 6 Zinc Acetate cid 7 EDTA Acid 8 Ascorbic Acid Thiosulfate
TURNAROUND TIME NORMAL *Rush work needs prior SAMPLE ID (F - 3 F - 4 W - 1 W - 2	Rt	JSH TURNAROUND 3 DAY 2 DAY and will incur additional cl Sampling Date/Time 4.5.12/1000 4.5.12/100 4.5.12/100 4.5.12/100	I DAY harges Matrix ✓ ✓ ✓ ✓	Sample Comp/Grab			ENTER PRE 0 None 1 Hydroch 2 Nitric Ac 3 Sulfuric 4 Sodium COMMENT EMAIL PA	SERVATIVE CODE: 5 Sodium Hydroxide Noric Acid 6 Zinc Acetate cid 7 EDTA Acid 8 Ascorbic Acid Thiosulfate S: ESOLTS TO :
TURNAROUND TIME NORMAL *Rush work needs prior SAMPLE ID F - 3 F - 4 W - 1 W - 2 W - 3	Rt	JSH TURNAROUND 3 DAY 2 DAY and will incur additional cl Sampling Date/Time 4.5.12/1000 4.5.12/1020 4.5.12/1230 4.5.12/1430	1 DAY       harges       Matrix       %	Sample Comp/Grab			ENTER PRES 0 None 1 Hydroch 2 Nitric Ac 3 Sulfuric 4 Sodium COMMENT EMAIL P JMEEK	SERVATIVE CODE: 5 Sodium Hydroxide Noric Acid 6 Zinc Acetate cid 7 EDTA Acid 8 Ascorbic Acid Thiosulfate S: ESULTS TO : SOTRIADENG. COM
TURNAROUND TIME NORMAL *Rush work needs prior SAMPLE ID F - 3 F - 4 W - 1 W - 2 W - 2 W - 3 p Blan L - M H H	Rt	JSH TURNAROUND 3 DAY 2 DAY and will incur additional cl Sampling Date/Time 4.5.12 / 1020 4.5.12 / 1020 4.5.12 / 1230 4.5.12 / 1230 4.5.12 / 1430	1 DAY       harges       Matrix       V       V       V       V       V       V       V	Sample Comp/Grab			ENTER PRES 0 None 1 Hydroch 2 Nitric Ac 3 Sulfuric 4 Sodium COMMENT EMAIL P JMEEK MWR12	SERVATIVE CODE: 5 Sodium Hydroxide 10 oric Acid 6 Zinc Acetate 10 7 EDTA Acid 8 Ascorbic Acid Thiosulfate S: 450LTS TO : S@TRIADENG. COM 1HT @TRIADENG. COM
TURNAROUND TIME NORMAL *Rush work needs prior SAMPLE ID F - 3 F - 4 W - 1 W - 2 W - 2 W - 3 p Bland-m4A	Rt	JSH TURNAROUND 3 DAY 2 DAY and will incur additional cl Sampling Date/Time 4.5.12 / 1020 4.5.12 / 1020 4.5.12 / 1233 4.5.12 / 1430	1 DAY       harges       Matrix       V       V       V       V       V	Sample Comp/Grab			COMMENT MWR12	SERVATIVE CODE: 5 Sodium Hydroxide noric Acid 6 Zinc Acetate cid 7 EDTA Acid 8 Ascorbic Acid Thiosulfate S: 450LTS TO : 500TRIADENG. COM GHT @TRIADENG. COM
TURNAROUND TIME NORMAL "Rush work needs prior SAMPLE ID (F - 3 F - 4 W - 1 W - 1 W - 2 W - 3 <i>p</i> Blank-MAA	Rt	JSH TURNAROUND 3 DAY 2 DAY and will incur additional cl Sampling Date/Time 4.5.12/1000 4.5.12/1020 4.5.12/100 4.5.12/1230 4.5.12/1430 sand Conditions.	1 DAY       harges       Matrix       V       V       V       V       V       Temperation	Sample Comp/Grab	• • C ICED?	Y N	COMMENT DMEEX MWR12	SERVATIVE CODE: 5 Sodium Hydroxide noric Acid 6 Zinc Acetate cid 7 EDTA Acid 8 Ascorbic Acid Thiosulfate S: 450LTS TO : 5 @TRIADENG. Com GHT @TRIADENG. Com



225 Industrial Park Drive Beaver, WV 25813 TEL: 304.255.2500 FAX: 304.255.2572

101 17th Street Ashland, KY 41101

Order No.: 1204656

TEL: 606.393.5027

3029-C Peters Creek Road Roanoke, VA 24019 TEL: 540.777.1276 FAX: 540.400.8508

Improving the environment, one client at a time...

1557 Commerce Road, Suite 201 Verona, VA 24482 TEL: 540.248.0183

April 12, 2012

Mr. John Meeks TRIAD ENGINEERING -ST ALBANS 4980 TEAYS VALLEY RD SCOTT DEPOT WV 25560

TEL: (304) 755-0721 FAX (304) 755-1880

RE: 04-12-0091

Dear Mr. John Meeks:

REI Consultants, Inc. received 6 sample(s) on 4/6/2012 for the analyses presented in the following report.

There were no problems with the analytical events associated with this report unless noted in the Case Narrative. Quality control data was within laboratory defined or method specified acceptance limits except if noted.

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

Sincerely,

Jimmy Suttle Project Manager





CLIENT: TRIAD ENGINEERING -ST ALBANS Project: 04-12-0091

The analytical results presented in this report relate only to the samples documented herein. All analyses were performed using documented laboratory SOPs that incorporate appropriate quality control procedures as described in the applicable methods. Any deviation from compliance or method modification is explained below and/or identified within the body of this report by a qualifier footnote which is defined at the bottom of each page.

All sample results are reported on an "as-received" wet weight basis unless otherwise noted.

Results reported for sums of individual parameters, such as Total Trihalomethanes (TTHM) and Total Haloacetic Acids (HAA5), may vary slightly from the sum of the individual parameter results. This apparent anomaly is caused by rounding individual results and summations at reporting, as required by EPA.

The test results in this report meet all NELAP and VELAP requirements for parameters for which accreditations are required or available. Any exceptions are noted in this report. This report may not be reproduced, except in full, without the written approval of REIC.

In compliance with federal guidelines and standard operating procedures, all reports, including raw data and supporting quality control, will be disposed of after five years unless otherwise arranged by the client via written notification or contract requirement.

If you have any questions please contact the project manager whose name is listed above.

<b>REI</b> Consultants, Inc.		Analy	tical R	esults	D	<b>Date:</b> 12-Apr-12			
CLIENT: 7	<b>FRIAD ENGINEERI</b>	NG -ST A	LBANS	Work	Order:	1204656	Lab ID 1204656-01A		
Client Sample ID: V	VF-3			DateF	Received:	4/6/2012			
Project: (	)4-12-0091			Colleg	rtion Date	· 4/5/2012 1	10:00:00 AM		
Site ID:	PRENTER			Matri	v.				
				Wath		LIQUID			
Analyses		Result	Units	Qual	MDL	PQL	Date Analyzed		
METALS BY ICP				E200.7			Analyst: LF		
Aluminum		4.48	mg/L		0.0600	1.00	4/11/2012 10:13:25 PM		
Calcium		230	mg/L		0.500	10.0	4/11/2012 10:13:25 PM		
Cobalt		0.312	mg/L	J	0.0300	1.00	4/11/2012 10:13:25 PM		
Iron		0.152	mg/L	J	0.100	1.00	4/11/2012 10:13:25 PM		
Magnesium		329	mg/L		0.500	5.00	4/11/2012 10:13:25 PM		
Manganese		31.5	mg/L		0.0200	1.00	4/11/2012 10:13:25 PM		
Potassium		16.5	mg/L		0.500	5.00	4/11/2012 10:13:25 PM		
Sodium		5.89	mg/L	J	0.500	10.0	4/11/2012 10:13:25 PM		
Zinc		0.472	mg/L	J	0.0300	0.500	4/11/2012 10:13:25 PM		
METALS BY ICP-M	s			E200.8			Analyst: <b>JD</b>		
Antimony		ND	mg/L		0.00020	0.0010	4/10/2012 6:56:00 PM		
Arsenic		ND	mg/L		0.00100	0.0050	4/10/2012 6:56:00 PM		
Barium		0.0116	mg/L		0.00100	0.0050	4/10/2012 6:56:00 PM		
Beryllium		0.0108	mg/L		0.00020	0.0010	4/10/2012 6:56:00 PM		
Cadmium		0.0012	mg/L		0.00020	0.0010	4/10/2012 6:56:00 PM		
Chromium		ND	mg/L		0.00100	0.0050	4/10/2012 6:56:00 PM		
Copper		0.0178	mg/L		0.00100	0.0050	4/10/2012 6:56:00 PM		
Lead		0.0009	mg/L	J	0.00020	0.0010	4/10/2012 6:56:00 PM		
Molybdenum		ND	mg/L		0.00100	0.0050	4/10/2012 6:56:00 PM		
Nickel		0.499	mg/L		0.00200	0.0100	4/10/2012 6:56:00 PM		
Selenium		0.0034	mg/L	J	0.00100	0.0050	4/10/2012 6:56:00 PM		
Silver		ND	mg/L		0.00100	0.0050	4/10/2012 6:56:00 PM		
Strontium		0.973	mg/L		0.00100	0.0050	4/10/2012 6:56:00 PM		
Thallium		0.0002	mg/L	J	0.00020	0.0010	4/10/2012 6:56:00 PM		
Tin		ND	mg/L		0.00100	0.0050	4/10/2012 6:56:00 PM		
Titanium		0.0226	mg/L		0.00100	0.0050	4/10/2012 6:56:00 PM		
Uranium		ND	mg/L		0.00100	0.0100	4/10/2012 6:56:00 PM		
Vanadium		ND	mg/L		0.00100	0.0100	4/10/2012 6:56:00 PM		
MERCURY, TOTAL				E245.1			Analyst: DS		
Mercury		ND	mg/L		0.00010	0.0010	4/11/2012 10:30:32 AM		
VOLATILE ORGAN	IC COMPOUNDS			SW8260B			Analyst: AS		
Acetone		ND	µg/L		4.88	10.0	4/9/2012 3:23:00 PM		
Acrolein		ND	µg/L		4.36	10.0	4/9/2012 3:23:00 PM		
Acrylonitrile		ND	µg/L		4.24	10.0	4/9/2012 3:23:00 PM		
Benzene		ND	µg/L		0.13	1.0	4/9/2012 3:23:00 PM		
Kov: MCL Maxim	um Contaminant Level			J Analy	te detected h	elow quantitation	1 limits		
MDL Minimu	Im Detection Limit			B Analy	te detected ir	the associated N	Method Blank		
NA Not An	plicable			E Estim	ated Value al	ove quantitation	n range		

ND Not Detected at the PQL or MDL

PQL Practical Quantitation Limit

TIC Tentatively Identified Compound, Estimated Concentration

H Holding times for preparation or analysis exceeded

S Spike/Surrogate Recovery exceeds REIC control limits

\* Value exceeds MCL or Regulatory Limits

REI Consultants, Inc.		Analy	<b>Analytical Results</b>			<b>Date:</b> 12-Apr-12			
CLIENT:	TRIAD ENGINE	ERING -ST A	LBANS	Work	Order:	1204656	Lab ID 1204656-01A		
Client Sample	e <b>ID:</b> VF-3			DateR	eceived:	4/6/2012			
Project.	04-12-0091			Collec	tion Date	• 4/5/2012 1	0.00.00 AM		
Site ID:	DDENTED			Matui			10.00.007101		
Site ID:	PKENTEK			Matri	X:	LIQUID			
Analyses		Result	Units	Qual	MDL	PQL	Date Analyzed		
VOLATILE OF	RGANIC COMPOUNDS	5		SW8260B			Analyst: AS		
Bromobenzene		ND	µg/L		0.25	1.0	4/9/2012 3:23:00 PM		
Bromochlorome	ethane	ND	µg/L		0.35	1.0	4/9/2012 3:23:00 PM		
Bromodichloror	methane	ND	µg/L		0.16	1.0	4/9/2012 3:23:00 PM		
Bromoform		ND	µg/L		0.40	1.0	4/9/2012 3:23:00 PM		
Bromomethane	)	ND	µg/L		0.50	1.0	4/9/2012 3:23:00 PM		
2-Butanone		ND	µg/L		4.68	10.0	4/9/2012 3:23:00 PM		
n-Butylbenzene	9	ND	µg/L		0.25	1.0	4/9/2012 3:23:00 PM		
sec-Butylbenze	ene	ND	µg/L		0.28	1.0	4/9/2012 3:23:00 PM		
tert-Butylbenze	ne	ND	µg/L		0.24	1.0	4/9/2012 3:23:00 PM		
Carbon disulfid	le	ND	µg/L		1.27	5.0	4/9/2012 3:23:00 PM		
Carbon tetrach	loride	ND	µg/L		0.25	1.0	4/9/2012 3:23:00 PM		
Chlorobenzene	•	ND	µg/L		0.18	1.0	4/9/2012 3:23:00 PM		
Chloroethane		ND	µg/L		0.94	1.0	4/9/2012 3:23:00 PM		
Chloroform		ND	µg/L		0.25	1.0	4/9/2012 3:23:00 PM		
Chloromethane	<b>;</b>	ND	µg/L		0.33	1.0	4/9/2012 3:23:00 PM		
2-Chlorotoluene	e	ND	µg/L		0.25	1.0	4/9/2012 3:23:00 PM		
4-Chlorotoluene	e	ND	µg/L		0.28	1.0	4/9/2012 3:23:00 PM		
Dibromochloror	methane	ND	µg/L		0.42	1.0	4/9/2012 3:23:00 PM		
1,2-Dibromo-3-	chloropropane	ND	µg/L		0.50	1.0	4/9/2012 3:23:00 PM		
1,2-Dibromoeth	nane	ND	µg/L		0.34	1.0	4/9/2012 3:23:00 PM		
Dibromomethar	ne	ND	µg/L		0.29	1.0	4/9/2012 3:23:00 PM		
1,2-Dichlorober	nzene	ND	µg/L		0.45	1.0	4/9/2012 3:23:00 PM		
1,3-Dichlorober	nzene	ND	µg/L		0.14	1.0	4/9/2012 3:23:00 PM		
1,4-Dichlorober	nzene	ND	µg/L		0.29	1.0	4/9/2012 3:23:00 PM		
Dichlorodifluoro	omethane	ND	µg/L		0.71	1.0	4/9/2012 3:23:00 PM		
1,1-Dichloroeth	nane	ND	µg/L		0.38	1.0	4/9/2012 3:23:00 PM		
1,2-Dichloroeth	nane	ND	µg/L		0.43	1.0	4/9/2012 3:23:00 PM		
1,1-Dichloroeth	nene	ND	µg/L		0.33	1.0	4/9/2012 3:23:00 PM		
cis-1,2-Dichlor	oethene	ND	µg/L		0.23	1.0	4/9/2012 3:23:00 PM		
trans-1,2-Dichle	oroethene	ND	µg/L		0.39	1.0	4/9/2012 3:23:00 PM		
1,2-Dichloropro	ppane	ND	µg/L		0.46	1.0	4/9/2012 3:23:00 PM		
1,3-Dichloropro	ppane	ND	µg/L		0.71	1.0	4/9/2012 3:23:00 PM		
2,2-Dichloropro	ppane	ND	µg/L		0.23	1.0	4/9/2012 3:23:00 PM		
1,1-Dichloropro	ppene	ND	µg/L		0.33	1.0	4/9/2012 3:23:00 PM		
cis-1,3-Dichloro	opropene	ND	µg/L		0.22	1.0	4/9/2012 3:23:00 PM		
trans-1,3-Dichl	oropropene	ND	µg/L		0.22	1.0	4/9/2012 3:23:00 PM		
Ethylbenzene	-	ND	µg/L		0.18	1.0	4/9/2012 3:23:00 PM		

MDL Minimum Detection Limit

NA Not Applicable

ND Not Detected at the PQL or MDL

PQL Practical Quantitation Limit

TIC Tentatively Identified Compound, Estimated Concentration

J Analyte detected below quantitation limits

B Analyte detected in the associated Method Blank

E Estimated Value above quantitation range

H Holding times for preparation or analysis exceeded

S Spike/Surrogate Recovery exceeds REIC control limits

\* Value exceeds MCL or Regulatory Limits

REI Consultants, Inc.	Analy	tical <b>R</b>	esults D	<b>Date:</b> 12-Apr-12			
CLIENT: TRIAD ENGINEERI	NG -ST A	LBANS	WorkOrder:	1204656	Lab ID 1204656-01		
Client Sample ID: VF-3			DateReceived:	4/6/2012			
<b>Project:</b> 04-12-0091			Collection Date	• 4/5/2012	10·00·00 AM		
Site ID. DDENTED			Motrive		10.00.00 / 101		
Sile ID: PRENTER			Matrix:	LIQUID			
Analyses	Result	Units	Qual MDL	PQL	Date Analyzed		
VOLATILE ORGANIC COMPOUNDS			SW8260B		Analyst: <b>AS</b>		
Hexachlorobutadiene	ND	µg/L	0.26	1.0	4/9/2012 3:23:00 PM		
2-Hexanone	ND	µg/L	4.11	10.0	4/9/2012 3:23:00 PM		
lodomethane	ND	µg/L	3.44	10.0	4/9/2012 3:23:00 PM		
Isopropylbenzene	ND	µg/L	0.23	1.0	4/9/2012 3:23:00 PM		
4-Isopropyltoluene	ND	µg/L	0.24	1.0	4/9/2012 3:23:00 PM		
Methylene chloride	ND	µg/L	0.54	1.0	4/9/2012 3:23:00 PM		
4-Methyl-2-pentanone	ND	µg/L	4.40	10.0	4/9/2012 3:23:00 PM		
Methyl tert-butyl ether	ND	µg/L	0.76	5.0	4/9/2012 3:23:00 PM		
Naphthalene	ND	µg/L	0.42	1.0	4/9/2012 3:23:00 PM		
n-Propylbenzene	ND	µg/L	0.14	1.0	4/9/2012 3:23:00 PM		
Styrene	ND	ua/L	0.24	1.0	4/9/2012 3:23:00 PM		
1.1.1.2-Tetrachloroethane	ND	ua/L	0.36	1.0	4/9/2012 3:23:00 PM		
1.1.2.2-Tetrachloroethane	ND	ua/L	0.38	1.0	4/9/2012 3:23:00 PM		
Tetrachloroethene	ND	ua/L	0.20	1.0	4/9/2012 3:23:00 PM		
Toluene	ND	ua/l	0.17	10	4/9/2012 3:23:00 PM		
1 2 3-Trichlorobenzene	ND	μg/L	0.41	1.0	4/9/2012 3:23:00 PM		
1 2 4-Trichlorobenzene	ND	μg/L	0.41	1.0	4/9/2012 3:23:00 PM		
1 1 1-Trichloroethane		µg/⊑ ⊔g/l	0.35	1.0	4/9/2012 3:23:00 PM		
1 1 2-Trichloroethane	ND	μg/L μg/l	0.49	1.0	4/9/2012 3:23:00 PM		
Trichloroethene		μg/L μg/l	0.40	1.0	4/9/2012 3:23:00 PM		
Trichlorofluoromethane		μg/L μg/l	0.30	1.0	4/0/2012 3:23:00 PM		
		µg/∟ ug/l	0.30	1.0	4/9/2012 3.23.00 F M		
1,2,3- Themotophopane		µg/L	0.30	1.0	4/9/2012 3.23.00 FM		
		µg/L	0.20	1.0	4/9/2012 3.23.00 PIVI		
		µg/L	0.20	1.0	4/9/2012 3.23.00 PIVI		
		µg/L	4.07	10.0	4/9/2012 3.23.00 PIVI		
		µg/∟ α/I	0.22	1.0	4/9/2012 3:23:00 PM		
		µg/∟	0.19	1.0	4/9/2012 3:23:00 PM		
m,p-xylene	ND 100	µg/∟ ∞ р⊑о	0.29	2.0	4/9/2012 3:23:00 PM		
Surr: 1,2-Dichloroethane-d4	100	%REC		80-120	4/9/2012 3:23:00 PM		
Surr: 4-Bromofluorobenzene	96.2	%REC		86-115	4/9/2012 3:23:00 PM		
Surr: Dibromofluoromethane	111	%REC		80-120	4/9/2012 3:23:00 PM		
Surr: Toluene-d8	90.8	%REC		88-110	4/9/2012 3:23:00 PM		
SURFACTANTS			SM5540 C		Analyst: CC		
MBAS	ND	mg/L	0.0250	0.062	4/6/2012 5:04:00 PM		
ANIONS BY ION CHROMATOGRAPHY			E300.0		Analyst: CF		
Chloride	1.51	mg/L	0.100	1.00	4/10/2012 7:57:00 PM		
Key: MCL Maximum Contaminant Level			J Analyte detected b	elow quantitation	n limits		
MDL Minimum Detection Limit			B Analyte detected in	n the associated M	Method Blank		
NA Not Applicable			E Estimated Value a	bove quantitation	n range		
ND Not Detected at the PQL or MDL			H Holding times for	preparation or an	alysis exceeded		
PQL Practical Quantitation Limit			S Spike/Surrogate R	ecovery exceeds	REIC control limits		
TIC Tentatively Identified Compound, I	Estimated Co	ncentration	* Value exceeds MC	L or Regulatory	Limits		

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REI Consultants, Inc.		Analytical Results			D	<b>Date:</b> 12-Apr-12		
CLIENT:	TRIAD ENGINEERIN	NG -ST A	LBANS	WorkO	Order:	1204656	Lab ID 1204656-01A	
<b>Client Sample</b>	<b>ID:</b> VF-3			DateReceived:		4/6/2012		
Project:	04-12-0091			Collect	ion Dat	e: 4/5/2012 1	0:00:00 AM	
Site ID:	PRENTER			Matrix	•	LIQUID		
Analyses		Result	Units	Qual	MDL	PQL	Date Analyzed	
ANIONS BY IC	ON CHROMATOGRAPHY			E300.0			Analyst: <b>CF</b>	
Fluoride		0.46	mg/L		0.040	0.20	4/10/2012 7:57:00 PM	
Sulfate		1,860	mg/L		100	500	4/10/2012 7:57:00 PM	
TOTAL DISSO	LVED SOLIDS			SM2540 C			Analyst: SF	
Total Dissolved	Solids	1,900	mg/L		20.0	40	4/7/2012 3:17:00 PM	
ACIDITY				SM2310 B			Analyst: <b>DSD</b>	
Acidity, Total		131	mg/L		1.00	10.0	4/9/2012 10:00:00 AM	
ALKALINITY				SM2320 B			Analyst: <b>DSD</b>	
Alkalinity, Bicar	bonate (As CaCO3)	1.7	mg/L	J	1.00	10.0	4/9/2012 10:00:00 AM	
ALKALINITY				SM2320 B			Analyst: <b>DSD</b>	
Alkalinity, Carbo	onate (As CaCO3)	ND	mg/L		1.00	10.0	4/9/2012 10:00:00 AM	
ALKALINITY				SM2320 B			Analyst: <b>DSD</b>	
Alkalinity, Total	(As CaCO3)	1.7	mg/L	J	1.00	10.0	4/9/2012 10:00:00 AM	
PH - LAB TES	T, HOLD TIME EXPIRED			SM4500-H+-I	В		Analyst: <b>DSD</b>	
рН		4.45	SU		NA	NA	4/9/2012 10:00:00 AM	

- MDL Minimum Detection Limit
- NA Not Applicable
- ND Not Detected at the PQL or MDL
- PQL Practical Quantitation Limit
- TIC Tentatively Identified Compound, Estimated Concentration
- J Analyte detected below quantitation limits
- B Analyte detected in the associated Method Blank
- E Estimated Value above quantitation range
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate Recovery exceeds REIC control limits
- \* Value exceeds MCL or Regulatory Limits

REI Consultants, Inc. Analytical R			tical <b>R</b>	esults Date: 12-Apr-12					
CLIENT:	TRIAD ENGINEERI	NG -ST A	LBANS	Work	Order:	1204656	Lab ID 1204656-02A		
Client Sam	ple ID: VF-4			Datel	Received:	4/6/2012			
Project	04-12-0091			Colle	ction Date	• 4/5/2012 1	0·20·00 AM		
	DDENTED			Mater			10.20.00 / 101		
Site ID:	PRENIER			Matr	IX:	LIQUID			
Analyses		Result	Units	Qua	I MDL	PQL	Date Analyzed		
METALS B	Y ICP			E200.7			Analyst: <b>LF</b>		
Aluminum		11.5	mg/L		0.0600	1.00	4/11/2012 10:16:28 PM		
Calcium		258	mg/L		0.500	10.0	4/11/2012 10:16:28 PM		
Cobalt		0.564	mg/L	J	0.0300	1.00	4/11/2012 10:16:28 PM		
Iron		ND	mg/L		0.100	1.00	4/11/2012 10:16:28 PM		
Magnesium	I	415	mg/L		0.500	5.00	4/11/2012 10:16:28 PM		
Manganese		45.5	mg/L		0.0200	1.00	4/11/2012 10:16:28 PM		
Potassium		17.8	mg/L		0.500	5.00	4/11/2012 10:16:28 PM		
Sodium		6.68	mg/L	J	0.500	10.0	4/11/2012 10:16:28 PM		
Zinc		0.952	mg/L		0.0300	0.500	4/11/2012 10:16:28 PM		
METALS B	Y ICP-MS			E200.8			Analyst: <b>JD</b>		
Antimony		ND	mg/L		0.00020	0.0010	4/10/2012 7:12:00 PM		
Arsenic		ND	mg/L		0.00100	0.0050	4/10/2012 7:12:00 PM		
Barium		0.0110	mg/L		0.00100	0.0050	4/10/2012 7:12:00 PM		
Beryllium		0.0204	mg/L		0.00020	0.0010	4/10/2012 7:12:00 PM		
Cadmium		0.0017	mg/L		0.00020	0.0010	4/10/2012 7:12:00 PM		
Chromium		ND	mg/L		0.00100	0.0050	4/10/2012 7:12:00 PM		
Copper		0.0216	mg/L		0.00100	0.0050	4/10/2012 7:12:00 PM		
Lead		0.0041	mg/L		0.00020	0.0010	4/10/2012 7:12:00 PM		
Molybdenur	n	0.0023	mg/L	J	0.00100	0.0050	4/10/2012 7:12:00 PM		
Nickel		0.673	mg/L		0.00200	0.0100	4/10/2012 7:12:00 PM		
Selenium		0.0043	mg/L	J	0.00100	0.0050	4/10/2012 7:12:00 PM		
Silver		ND	mg/L		0.00100	0.0050	4/10/2012 7:12:00 PM		
Strontium		0.867	mg/L		0.00100	0.0050	4/10/2012 7:12:00 PM		
Thallium		0.0005	mg/L	J	0.00020	0.0010	4/10/2012 7:12:00 PM		
Tin		ND	mg/L		0.00100	0.0050	4/10/2012 7:12:00 PM		
Titanium		0.0228	mg/L		0.00100	0.0050	4/10/2012 7:12:00 PM		
Uranium		0.0014	mg/L	J	0.00100	0.0100	4/10/2012 7:12:00 PM		
Vanadium		ND	mg/L		0.00100	0.0100	4/10/2012 7:12:00 PM		
MERCURY	, TOTAL			E245.1			Analyst: <b>DS</b>		
Mercury		ND	mg/L		0.00010	0.0010	4/11/2012 10:32:43 AM		
VOLATILE	ORGANIC COMPOUNDS			SW8260E	6		Analyst: AS		
Acetone		ND	µg/L		4.88	10.0	4/9/2012 3:58:00 PM		
Acrolein		ND	µg/L		4.36	10.0	4/9/2012 3:58:00 PM		
Acrylonitrile		ND	µg/L		4.24	10.0	4/9/2012 3:58:00 PM		
Benzene		ND	µg/L		0.13	1.0	4/9/2012 3:58:00 PM		
Kov: MCI	L Maximum Contaminant Level			J Analy	yte detected b	elow quantitation	limits		
MDI	L Minimum Detection Limit			B Analy	yte detected ir	the associated N	Iethod Blank		
NA	Not Applicable			E Estin	nated Value a	ove quantitation	range		
ND	Not Detected at the PQL or MDL			H Hold	ing times for	preparation or an	alysis exceeded		

PQL Practical Quantitation Limit

TIC Tentatively Identified Compound, Estimated Concentration

S Spike/Surrogate Recovery exceeds REIC control limits

\* Value exceeds MCL or Regulatory Limits

<b>REI</b> Consultants, Inc.		Analy	Analytical Results			<b>Date:</b> 12-Apr-12				
CLIENT:	TRIAD ENGINE	ERING -ST A	LBANS	Work	Order:	1204656	Lab ID 1204656-02A			
<b>Client Sample</b>	e <b>ID:</b> VF-4			DateR	eceived:	4/6/2012				
Project:	04-12-0091			Collec	tion Date	· 4/5/2012 1	0:20:00 AM			
Site ID:	PRENTER			Matri	v.					
Site ID.	TRENTER			Watth	Δ.	LIQUID				
Analyses		Result	Units	Qual	MDL	PQL	Date Analyzed			
VOLATILE OF	GANIC COMPOUNDS	i		SW8260B			Analyst: AS			
Bromobenzene	•	ND	µg/L		0.25	1.0	4/9/2012 3:58:00 PM			
Bromochlorome	ethane	ND	µg/L		0.35	1.0	4/9/2012 3:58:00 PM			
Bromodichloror	methane	ND	µg/L		0.16	1.0	4/9/2012 3:58:00 PM			
Bromoform		ND	µg/L		0.40	1.0	4/9/2012 3:58:00 PM			
Bromomethane	)	ND	µg/L		0.50	1.0	4/9/2012 3:58:00 PM			
2-Butanone		ND	µg/L		4.68	10.0	4/9/2012 3:58:00 PM			
n-Butylbenzene	9	ND	µg/L		0.25	1.0	4/9/2012 3:58:00 PM			
sec-Butylbenze	ene	ND	µg/L		0.28	1.0	4/9/2012 3:58:00 PM			
tert-Butylbenze	ne	ND	µg/L		0.24	1.0	4/9/2012 3:58:00 PM			
Carbon disulfid	le	ND	µg/L		1.27	5.0	4/9/2012 3:58:00 PM			
Carbon tetrach	loride	ND	µg/L		0.25	1.0	4/9/2012 3:58:00 PM			
Chlorobenzene	•	ND	µg/L		0.18	1.0	4/9/2012 3:58:00 PM			
Chloroethane		ND	µg/L		0.94	1.0	4/9/2012 3:58:00 PM			
Chloroform		ND	µg/L		0.25	1.0	4/9/2012 3:58:00 PM			
Chloromethane	9	ND	µg/L		0.33	1.0	4/9/2012 3:58:00 PM			
2-Chlorotoluene	e	ND	µg/L		0.25	1.0	4/9/2012 3:58:00 PM			
4-Chlorotoluene	e	ND	µg/L		0.28	1.0	4/9/2012 3:58:00 PM			
Dibromochloror	methane	ND	µg/L		0.42	1.0	4/9/2012 3:58:00 PM			
1,2-Dibromo-3-	chloropropane	ND	µg/L		0.50	1.0	4/9/2012 3:58:00 PM			
1,2-Dibromoeth	nane	ND	µg/L		0.34	1.0	4/9/2012 3:58:00 PM			
Dibromomethar	ne	ND	µg/L		0.29	1.0	4/9/2012 3:58:00 PM			
1,2-Dichlorober	nzene	ND	µg/L		0.45	1.0	4/9/2012 3:58:00 PM			
1,3-Dichlorober	nzene	ND	µg/L		0.14	1.0	4/9/2012 3:58:00 PM			
1,4-Dichlorober	nzene	ND	µg/L		0.29	1.0	4/9/2012 3:58:00 PM			
Dichlorodifluoro	omethane	ND	µg/L		0.71	1.0	4/9/2012 3:58:00 PM			
1,1-Dichloroeth	nane	ND	µg/L		0.38	1.0	4/9/2012 3:58:00 PM			
1,2-Dichloroeth	nane	ND	µg/L		0.43	1.0	4/9/2012 3:58:00 PM			
1,1-Dichloroeth	nene	ND	µg/L		0.33	1.0	4/9/2012 3:58:00 PM			
cis-1,2-Dichlor	oethene	ND	µg/L		0.23	1.0	4/9/2012 3:58:00 PM			
trans-1,2-Dichl	oroethene	ND	µg/L		0.39	1.0	4/9/2012 3:58:00 PM			
1,2-Dichloropro	opane	ND	µg/L		0.46	1.0	4/9/2012 3:58:00 PM			
1,3-Dichloropro	opane	ND	µg/L		0.71	1.0	4/9/2012 3:58:00 PM			
2,2-Dichloropro	opane	ND	µg/L		0.23	1.0	4/9/2012 3:58:00 PM			
1,1-Dichloropro	ppene	ND	µg/L		0.33	1.0	4/9/2012 3:58:00 PM			
cis-1,3-Dichloro	opropene	ND	µg/L		0.22	1.0	4/9/2012 3:58:00 PM			
trans-1,3-Dichle	oropropene	ND	µg/L		0.22	1.0	4/9/2012 3:58:00 PM			
Ethylbenzene		ND	µg/L		0.18	1.0	4/9/2012 3:58:00 PM			

MCL Maximum Contaminant Level Key:

- NA Not Applicable
- ND Not Detected at the PQL or MDL
- PQL Practical Quantitation Limit

TIC Tentatively Identified Compound, Estimated Concentration

Analyte detected below quantitation limits J

- В Analyte detected in the associated Method Blank
- Е Estimated Value above quantitation range
- Н Holding times for preparation or analysis exceeded

S Spike/Surrogate Recovery exceeds REIC control limits

**Date:** *12-Apr-12* 

\* Value exceeds MCL or Regulatory Limits

MDL Minimum Detection Limit

<b>REI</b> Consultants, Inc.			Analy	ucal R	esults D	Date: 12-Apr-12		
CLIEN	NT:	TRIAD ENGINEERI	NG -ST A	LBANS	WorkOrder:	1204656	Lab ID 1204656-02	
Client	Samp	le ID: VF-4			DateReceived:	4/6/2012		
Proiect	t:	04-12-0091			Collection Date	e: 4/5/2012 1	0:20:00 AM	
Site ID	):	PRENTER			Matrix:	LIQUID		
Analys	ses		Result	Units	Qual MDL	PQL	Date Analyzed	
					SW8260B		Analyst: <b>AS</b>	
Hevac			סוא	ua/l	0.26	1.0	Analyst. AS	
2-Hev	anone			µg/⊑ ⊔g/l	0.20 4 11	10.0	4/9/2012 3:58:00 PM	
Indom	ethane			µg/L ug/l	3.44	10.0	4/9/2012 3:58:00 PM	
Isonro	nylhanz	zene		µg/⊑ ⊔g/l	0.23	10.0	4/9/2012 3:58:00 PM	
130p10	ronyltoli			µg/⊑ ⊔g/l	0.23	1.0	4/9/2012 3:58:00 PM	
Mothyl	lono chi	loride		µg/∟ ug/l	0.24	1.0	4/9/2012 3:58:00 PM	
4 Moth				µg/∟ ug/l	0.34	10.0	4/9/2012 3.58.00 FM	
4-IVIEU Mothul	l tort bu			µg/∟ ug/l	4.40	F 0	4/9/2012 3.50.00 FM	
Necht	i leri-Du	ityl etner		µg/∟ α/l	0.76	5.0	4/9/2012 3.58.00 PM	
Napru				µg/∟	0.42	1.0	4/9/2012 3.58.00 PM	
n-Prop	byidenze	ene	ND	µg/∟	0.14	1.0	4/9/2012 3:58:00 PM	
Styren		- Line - the sec	ND	µg/∟	0.24	1.0	4/9/2012 3:58:00 PM	
1,1,1,2	2-1 etrac	chioroethane	ND	µg/∟	0.36	1.0	4/9/2012 3:58:00 PM	
1,1,2,2	2-1 etrac	chioroethane	ND	µg/∟	0.38	1.0	4/9/2012 3:58:00 PM	
l etrac	chloroeth	hene	ND	µg/L	0.20	1.0	4/9/2012 3:58:00 PM	
Toluer	ne		ND	µg/L	0.17	1.0	4/9/2012 3:58:00 PM	
1,2,3-	Trichlor	obenzene	ND	µg/L	0.41	1.0	4/9/2012 3:58:00 PM	
1,2,4-	Trichlor	obenzene	ND	µg/L	0.41	1.0	4/9/2012 3:58:00 PM	
1,1,1-	Trichlor	oethane	ND	µg/L	0.35	1.0	4/9/2012 3:58:00 PM	
1,1,2-	Trichlor	oethane	ND	µg/L	0.49	1.0	4/9/2012 3:58:00 PM	
Trichlo	oroether	ne	ND	µg/L	0.30	1.0	4/9/2012 3:58:00 PM	
Trichlo	orofluor	omethane	ND	µg/L	0.30	1.0	4/9/2012 3:58:00 PM	
1,2,3-	Trichlor	opropane	ND	µg/L	0.36	1.0	4/9/2012 3:58:00 PM	
1,2,4-	Trimeth	ylbenzene	ND	µg/L	0.28	1.0	4/9/2012 3:58:00 PM	
1,3,5-	Trimeth	ylbenzene	ND	µg/L	0.28	1.0	4/9/2012 3:58:00 PM	
Vinyl a	acetate		ND	µg/L	4.87	10.0	4/9/2012 3:58:00 PM	
Vinyl c	chloride		ND	µg/L	0.22	1.0	4/9/2012 3:58:00 PM	
o-Xyle	ne		ND	µg/L	0.19	1.0	4/9/2012 3:58:00 PM	
m,p-X	ylene		ND	µg/L	0.29	2.0	4/9/2012 3:58:00 PM	
Sur	r: 1,2-D	vichloroethane-d4	101	%REC		80-120	4/9/2012 3:58:00 PM	
Sur	r: 4-Bro	mofluorobenzene	97.6	%REC		86-115	4/9/2012 3:58:00 PM	
Sur	r: Dibro	mofluoromethane	113	%REC		80-120	4/9/2012 3:58:00 PM	
Sur	r: Tolue	ene-d8	90.3	%REC		88-110	4/9/2012 3:58:00 PM	
SURFA		ITS			SM5540 C		Analyst: CC	
MBAS	6		ND	mg/L	0.0250	0.062	4/6/2012 5:04:00 PM	
ANION	IS BY I	ION CHROMATOGRAPHY	<b>~</b> ~=		E300.0	4.05	Analyst: CF	
Chlorid	de		2.05	mg/L	0.100	1.00	4/10/2012 9:26:00 PM	
Key:	MCL	Maximum Contaminant Level			J Analyte detected b	elow quantitatior	limits	
	MDL	Minimum Detection Limit			B Analyte detected in	n the associated N	1ethod Blank	
	NA	Not Applicable			E Estimated Value a	bove quantitation	range	
ND N	Not Detected at the PQL or MDL			H Holding times for	preparation or an	alysis exceeded		

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REI Consultants, Inc.		Analytical Results			D	<b>Date:</b> 12-Apr-12		
CLIENT:	TRIAD ENGINEERIN	NG -ST A	LBANS	Work(	Order:	1204656	Lab ID 1204656-02A	
<b>Client Sample</b>	<b>ID:</b> VF-4			DateReceived:		4/6/2012		
Project:	04-12-0091			Collect	tion Dat	e: 4/5/2012 1	0:20:00 AM	
Site ID:	PRENTER			Matrix	:	LIQUID		
Analyses		Result	Units	Qual	MDL	PQL	Date Analyzed	
ANIONS BY IC	ON CHROMATOGRAPHY			E300.0			Analyst: <b>CF</b>	
Fluoride		0.70	mg/L		0.040	0.20	4/10/2012 9:26:00 PM	
Sulfate		2,110	mg/L		100	500	4/10/2012 9:26:00 PM	
TOTAL DISSO	LVED SOLIDS			SM2540 C			Analyst: SF	
Total Dissolved	Solids	2,450	mg/L		20.0	40	4/7/2012 3:17:00 PM	
ACIDITY				SM2310 B			Analyst: <b>DSD</b>	
Acidity, Total		114	mg/L		1.00	10.0	4/9/2012 10:00:00 AM	
ALKALINITY				SM2320 B			Analyst: <b>DSD</b>	
Alkalinity, Bicar	bonate (As CaCO3)	1.0	mg/L	J	1.00	10.0	4/9/2012 10:00:00 AM	
ALKALINITY				SM2320 B			Analyst: <b>DSD</b>	
Alkalinity, Carbo	onate (As CaCO3)	ND	mg/L		1.00	10.0	4/9/2012 10:00:00 AM	
ALKALINITY				SM2320 B			Analyst: <b>DSD</b>	
Alkalinity, Total	(As CaCO3)	1.0	mg/L	J	1.00	10.0	4/9/2012 10:00:00 AM	
PH - LAB TES	T, HOLD TIME EXPIRED	4.42	SU	SM4500-H+-I	B NA	NA	Analyst: <b>DSD</b> 4/9/2012 10:00:00 AM	

- MDL Minimum Detection Limit
- NA Not Applicable
- ND Not Detected at the PQL or MDL
- PQL Practical Quantitation Limit
- TIC Tentatively Identified Compound, Estimated Concentration
- J Analyte detected below quantitation limits
- B Analyte detected in the associated Method Blank
- E Estimated Value above quantitation range
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate Recovery exceeds REIC control limits
- \* Value exceeds MCL or Regulatory Limits

<b>REI Consultants, Inc.</b>			Analy	tical <b>R</b>	esults	D	<b>Date:</b> 12-Apr-12		
CLIEN	T:	TRIAD ENGINEE	RING -ST A	LBANS	Work	Order:	1204656	Lab ID 1204656-03A	
Client S	Sample ID	<b>:</b> GW-1			DateR	eceived:	4/6/2012		
Project	:	04-12-0091			Collec	tion Date	e: 4/5/2012 1	1:00:00 AM	
Site ID:		PRENTER			Motri				
Site ID.	•	IKLITLK			Iviati I.	A.	LIQUID		
Analyse	es		Result	Units	Qual	MDL	PQL	Date Analyzed	
METAL	S BY ICP				E200.7			Analyst: LF	
Aluminu	um		0.215	mg/L		0.0060	0.100	4/10/2012 5:27:15 PM	
Calcium	n		4.12	mg/L		0.0500	1.00	4/10/2012 5:27:15 PM	
Cobalt			ND	mg/L		0.0030	0.100	4/10/2012 5:27:15 PM	
Iron			0.328	mg/L		0.0100	0.100	4/10/2012 5:27:15 PM	
Magnes	sium		7.29	mg/L		0.0500	0.500	4/10/2012 5:27:15 PM	
Mangar	nese		0.025	mg/L	J	0.0020	0.100	4/10/2012 5:27:15 PM	
Potassi	ium		1.76	mg/L		0.0500	0.500	4/10/2012 5:27:15 PM	
Sodium	า		2.05	mg/L		0.0500	1.00	4/10/2012 5:27:15 PM	
Zinc			0.008	mg/L	J	0.0050	0.050	4/10/2012 5:27:15 PM	
NOTES Initial c	<b>S:</b> alibration ve	rification for K was just o	utside method	target. Cont	inuing calibration	verification	n was within crit	eria. The impact on data qua	
METAL		MS			E200.8			Analyst: <b>D</b>	
Antimor	nv		ND	ma/l	L200.0	0 00020	0.0010	4/10/2012 7:17:00 PM	
Arsonic			ND	ma/l		0.00020	0.0050	4/10/2012 7:17:00 PM	
Rarium	,		0.0536	mg/L		0.00100	0.0050	4/10/2012 7:17:00 PM	
Borylliu	m		0.0000	mg/L		0.00100	0.0030	4/10/2012 7:17:00 PM	
Cadmiu	um			mg/L		0.00020	0.0010	4/10/2012 7:17:00 PM	
Chromi	ium			mg/L		0.00020	0.0010	4/10/2012 7:17:00 PM	
Copper			0.0019	mg/L	1	0.00100	0.0050	4/10/2012 7:17:00 PM	
Lood			0.0019	mg/L	J	0.00100	0.0030	4/10/2012 7:17:00 PM	
Molybd	onum		0.0003	mg/L	J	0.00020	0.0010	4/10/2012 7:17:00 PM	
Nickol	enum		0.0023	mg/L	J	0.00100	0.0000	4/10/2012 7:17:00 PM	
Soloniu	m		0.0025	mg/L	5	0.00200	0.0100	4/10/2012 7:17:00 PM	
Selerilu				mg/L		0.00100	0.0050	4/10/2012 7.17.00 FM	
Stroptiu	100		0.0522	mg/L		0.00100	0.0050	4/10/2012 7.17.00 FW	
Thollium			0.0552	mg/L		0.00100	0.0030	4/10/2012 7.17.00 FW	
Tin	11			mg/L		0.00020	0.0010	4/10/2012 7.17.00 FW	
Titopiur	~			mg/L		0.00100	0.0050	4/10/2012 7.17.00 FW	
Lironiur	~		0.0026	mg/L mg/l	J	0.00100	0.0050	4/10/2012 7:17:00 PM	
Vanadii	n um			mg/L		0.00100	0.0100	4/10/2012 7:17:00 PM	
MEDCU			ND	ilig/E	E245 4	0.00100	0.0100	4,10/2012 1.11.001 M	
Mercury	v v		ND	ma/l	E24J.1	0 00010	0.0010	4/11/2012 10:34:54 AM	
Mereary	y 		ND	iiig/L		0.00010	0.0010	-, 11/2012 10.0-1.0- AW	
VOLATI		NIC COMPOUNDS	חא	ug/l	SW8260B	1 QQ	10.0	Analyst: <b>AS</b>	
Acroleir	n		ND	µg/∟ µg/L		4.00 4.36	10.0	4/9/2012 4:55:00 PM	
Kev.	MCL Max	imum Contaminant Level			J Analy	te detected b	elow quantitation	1 limits	
ixcy.	MDL Mini	mum Detection Limit			B Analy	te detected i	n the associated M	Iethod Blank	
	NA Not	Applicable			E Estima	ted Value a	bove quantitatior	range	
	ND Not	Detected at the PQL or MD	L		H Holdir	ng times for	preparation or an	alysis exceeded	
	PQL Prac	tical Quantitation Limit			S Spike/	Surrogate R	ecovery exceeds	REIC control limits	
	TIC Tent	atively Identified Compoun	d, Estimated Co	ncentration	* Value	exceeds MC	CL or Regulatory	Limits	

<b>REI</b> Consultants, Inc.		Analy	<b>Analytical Results</b>			<b>Date:</b> 12-Apr-12				
CLIENT:	TRIAD ENGINE	ERING -ST A	RING -ST ALBANS W			1204656	Lab ID 1204656-03A			
Client Sample	e <b>ID:</b> GW-1			DateR	eceived:	4/6/2012				
Project.	04-12-0091			Collec	tion Date	• 4/5/2012 1	1.00.00 AM			
Site ID:	DDENTED			Modri			11.00.00 / 101			
Site ID:	PKENIEK			Matri	X:	LIQUID				
Analyses		Result	Units	Qual	MDL	PQL	Date Analyzed			
VOLATILE OF	RGANIC COMPOUNDS	5		SW8260B			Analyst: <b>AS</b>			
Acrylonitrile		ND	µg/L		4.24	10.0	4/9/2012 4:55:00 PM			
Benzene		ND	µg/L		0.13	1.0	4/9/2012 4:55:00 PM			
Bromobenzene	)	ND	µg/L		0.25	1.0	4/9/2012 4:55:00 PM			
Bromochlorome	ethane	ND	µg/L		0.35	1.0	4/9/2012 4:55:00 PM			
Bromodichloror	methane	ND	µg/L		0.16	1.0	4/9/2012 4:55:00 PM			
Bromoform		ND	µg/L		0.40	1.0	4/9/2012 4:55:00 PM			
Bromomethane	9	ND	µg/L		0.50	1.0	4/9/2012 4:55:00 PM			
2-Butanone		ND	µg/L		4.68	10.0	4/9/2012 4:55:00 PM			
n-Butylbenzene	e	ND	µg/L		0.25	1.0	4/9/2012 4:55:00 PM			
sec-Butylbenze	ene	ND	µg/L		0.28	1.0	4/9/2012 4:55:00 PM			
tert-Butylbenze	ene	ND	µg/L		0.24	1.0	4/9/2012 4:55:00 PM			
Carbon disulfid	le	ND	µg/L		1.27	5.0	4/9/2012 4:55:00 PM			
Carbon tetrach	loride	ND	µg/L		0.25	1.0	4/9/2012 4:55:00 PM			
Chlorobenzene	)	ND	µg/L		0.18	1.0	4/9/2012 4:55:00 PM			
Chloroethane		ND	µg/L		0.94	1.0	4/9/2012 4:55:00 PM			
Chloroform		ND	µg/L		0.25	1.0	4/9/2012 4:55:00 PM			
Chloromethane	9	ND	µg/L		0.33	1.0	4/9/2012 4:55:00 PM			
2-Chlorotoluene	e	ND	µg/L		0.25	1.0	4/9/2012 4:55:00 PM			
4-Chlorotoluene	e	ND	µg/L		0.28	1.0	4/9/2012 4:55:00 PM			
Dibromochloror	methane	ND	µg/L		0.42	1.0	4/9/2012 4:55:00 PM			
1,2-Dibromo-3-	-chloropropane	ND	µg/L		0.50	1.0	4/9/2012 4:55:00 PM			
1,2-Dibromoeth	nane	ND	µg/L		0.34	1.0	4/9/2012 4:55:00 PM			
Dibromomethar	ne	ND	µg/L		0.29	1.0	4/9/2012 4:55:00 PM			
1,2-Dichlorober	nzene	ND	µg/L		0.45	1.0	4/9/2012 4:55:00 PM			
1,3-Dichlorober	nzene	ND	µg/L		0.14	1.0	4/9/2012 4:55:00 PM			
1,4-Dichlorober	nzene	ND	µg/L		0.29	1.0	4/9/2012 4:55:00 PM			
Dichlorodifluoro	omethane	ND	µg/L		0.71	1.0	4/9/2012 4:55:00 PM			
1,1-Dichloroeth	nane	ND	µg/L		0.38	1.0	4/9/2012 4:55:00 PM			
1,2-Dichloroeth	nane	ND	µg/L		0.43	1.0	4/9/2012 4:55:00 PM			
1,1-Dichloroeth	nene	ND	µg/L		0.33	1.0	4/9/2012 4:55:00 PM			
cis-1,2-Dichloro	oethene	ND	µg/L		0.23	1.0	4/9/2012 4:55:00 PM			
trans-1,2-Dichle	oroethene	ND	µg/L		0.39	1.0	4/9/2012 4:55:00 PM			
1,2-Dichloropro	opane	ND	µg/L		0.46	1.0	4/9/2012 4:55:00 PM			
1,3-Dichloropro	opane	ND	µg/L		0.71	1.0	4/9/2012 4:55:00 PM			
2,2-Dichloropro	opane	ND	µg/L		0.23	1.0	4/9/2012 4:55:00 PM			
1,1-Dichloropro	opene	ND	µg/L		0.33	1.0	4/9/2012 4:55:00 PM			
cis-1,3-Dichloro	opropene	ND	µg/L		0.22	1.0	4/9/2012 4:55:00 PM			

MDL Minimum Detection Limit

- NA Not Applicable
- ND Not Detected at the PQL or MDL

PQL Practical Quantitation Limit

TIC Tentatively Identified Compound, Estimated Concentration

J Analyte detected below quantitation limits

B Analyte detected in the associated Method Blank

E Estimated Value above quantitation range

H Holding times for preparation or analysis exceeded

S Spike/Surrogate Recovery exceeds REIC control limits

\* Value exceeds MCL or Regulatory Limits

KEI COIIS	fultants, mc.	Anary		esuits		
CLIENT:	TRIAD ENGINEER	ING -ST A	LBANS	WorkOrder:	1204656	Lab ID 1204656-03A
<b>Client Sample</b>	e ID: GW-1			DateReceived	<b>1:</b> 4/6/2012	
Project:	04-12-0091			Collection D	te 4/5/2012	11·00·00 AM
S:40 ID.	DDENTED			Motrivo		11.00.00 / 101
Site ID:	FRENTER			Matrix:	LIQUID	
Analyses		Result	Units	Qual MDL	PQL	Date Analyzed
VOLATILE OI	RGANIC COMPOUNDS			SW8260B		Analyst: AS
trans-1,3-Dich	loropropene	ND	µg/L	0.22	1.0	4/9/2012 4:55:00 PM
Ethylbenzene		ND	µg/L	0.18	1.0	4/9/2012 4:55:00 PM
Hexachlorobut	adiene	ND	µg/L	0.26	1.0	4/9/2012 4:55:00 PM
2-Hexanone		ND	µg/L	4.11	10.0	4/9/2012 4:55:00 PM
lodomethane		ND	µg/L	3.44	10.0	4/9/2012 4:55:00 PM
Isopropylbenze	ene	ND	µg/L	0.23	1.0	4/9/2012 4:55:00 PM
4-Isopropyltolu	iene	ND	µg/L	0.24	1.0	4/9/2012 4:55:00 PM
Methylene chlo	oride	ND	µg/L	0.54	1.0	4/9/2012 4:55:00 PM
4-Methyl-2-per	ntanone	ND	µg/L	4.40	10.0	4/9/2012 4:55:00 PM
Methyl tert-but	yl ether	ND	µg/L	0.76	5.0	4/9/2012 4:55:00 PM
Naphthalene		ND	µg/L	0.42	1.0	4/9/2012 4:55:00 PM
n-Propylbenze	ne	ND	µg/L	0.14	1.0	4/9/2012 4:55:00 PM
Styrene		ND	µg/L	0.24	1.0	4/9/2012 4:55:00 PM
1,1,1,2-Tetracl	hloroethane	ND	µg/L	0.36	1.0	4/9/2012 4:55:00 PM
1,1,2,2-Tetracl	hloroethane	ND	µg/L	0.38	1.0	4/9/2012 4:55:00 PM
Tetrachloroeth	ene	ND	µg/L	0.20	1.0	4/9/2012 4:55:00 PM
Toluene		ND	µg/L	0.17	1.0	4/9/2012 4:55:00 PM
1,2,3-Trichloro	benzene	ND	µg/L	0.41	1.0	4/9/2012 4:55:00 PM
1,2,4-Trichloro	benzene	ND	µg/L	0.41	1.0	4/9/2012 4:55:00 PM
1,1,1-Trichloro	ethane	ND	µg/L	0.35	1.0	4/9/2012 4:55:00 PM
1,1,2-Trichloro	ethane	ND	µg/L	0.49	1.0	4/9/2012 4:55:00 PM
Trichloroethen	e	ND	µg/L	0.30	1.0	4/9/2012 4:55:00 PM
Trichlorofluoro	methane	ND	µg/L	0.30	1.0	4/9/2012 4:55:00 PM
1,2,3-Trichloro	propane	ND	µg/L	0.36	1.0	4/9/2012 4:55:00 PM
1,2,4-Trimethy	lbenzene	ND	µg/L	0.28	1.0	4/9/2012 4:55:00 PM
1,3,5-Trimethy	lbenzene	ND	µg/L	0.28	1.0	4/9/2012 4:55:00 PM
Vinyl acetate		ND	µg/L	4.87	10.0	4/9/2012 4:55:00 PM
Vinyl chloride		ND	µg/L	0.22	1.0	4/9/2012 4:55:00 PM
o-Xylene		ND	µg/L	0.19	1.0	4/9/2012 4:55:00 PM
m,p-Xylene		ND	µg/L	0.29	2.0	4/9/2012 4:55:00 PM
Surr: 1,2-Di	chloroethane-d4	98.6	%REC		80-120	4/9/2012 4:55:00 PM
Surr: 4-Bror	nofluorobenzene	97.1	%REC		86-115	4/9/2012 4:55:00 PM
Surr: Dibron	nofluoromethane	106	%REC		80-120	4/9/2012 4:55:00 PM
Surr: Toluer	ne-d8	92.7	%REC		88-110	4/9/2012 4:55:00 PM
SURFACTAN	TS			SM5540 C		Analyst: CC
MBAS		ND	mg/L	0.0250	0.062	4/6/2012 5:04:00 PM
w MCI	Maximum Contaminant Lavel			I Analyta dataata	helow quantitatio	n limits
Key: MDI	Minimum Detection Limit			B Analyte detected	in the associated 1	Method Blank
	Detection Linne				use apportaneu i	

- NA Not Applicable
- ND Not Detected at the PQL or MDL
- PQL Practical Quantitation Limit
- TIC Tentatively Identified Compound, Estimated Concentration
- Analyte detected in the associated Method Blank В
- E Estimated Value above quantitation range
- Н Holding times for preparation or analysis exceeded
- S Spike/Surrogate Recovery exceeds REIC control limits
- \* Value exceeds MCL or Regulatory Limits

#### **REL** Consultants Inc.

Analytical Results

**Date:** *12-Apr-12* 

REI Consultants, Inc.		<b>Analytical Results</b>			<b>Date:</b> <i>12-Apr-12</i>			
CLIENT:	TRIAD ENGINEERIN	IG -ST A	LBANS	Work(	Order:	1204656	Lab ID 1204656-03A	
<b>Client Sample</b>	e <b>ID:</b> GW-1			DateR	eceived:	4/6/2012		
Project:	04-12-0091			Collect	<b>Collection Date:</b> 4/5/2012		1:00:00 AM	
Site ID:	PRENTER			Matrix	<b>K:</b>	LIQUID		
Analyses		Result	Units	Qual	MDL	PQL	Date Analyzed	
ANIONS BY IC	ON CHROMATOGRAPHY			E300.0			Analyst: <b>CF</b>	
Chloride		0.82	mg/L	J	0.100	1.00	4/10/2012 9:44:00 PM	
Fluoride		ND	mg/L		0.040	0.20	4/10/2012 9:44:00 PM	
Sulfate		38.9	mg/L		1.00	5.00	4/10/2012 9:44:00 PM	
TOTAL DISSO	LVED SOLIDS			SM2540 C			Analyst: SF	
Total Dissolved	Solids	60	mg/L		5.0	10	4/7/2012 3:17:00 PM	
ACIDITY				SM2310 B			Analyst: <b>DSD</b>	
Acidity, Total		6.3	mg/L	J	1.00	10.0	4/9/2012 10:00:00 AM	
ALKALINITY				SM2320 B			Analyst: <b>DSD</b>	
Alkalinity, Bicar	bonate (As CaCO3)	5.5	mg/L	J	1.00	10.0	4/9/2012 10:00:00 AM	
ALKALINITY				SM2320 B			Analyst: <b>DSD</b>	
Alkalinity, Carbo	onate (As CaCO3)	ND	mg/L		1.00	10.0	4/9/2012 10:00:00 AM	
ALKALINITY				SM2320 B			Analyst: <b>DSD</b>	
Alkalinity, Total	(As CaCO3)	5.5	mg/L	J	1.00	10.0	4/9/2012 10:00:00 AM	
PH - LAB TES	T, HOLD TIME EXPIRED			SM4500-H+-	В		Analyst: <b>DSD</b>	
рН		6.06	SU		NA	NA	4/9/2012 10:00:00 AM	

- MDL Minimum Detection Limit
- NA Not Applicable
- $ND \qquad Not \ Detected \ at \ the \ PQL \ or \ MDL$
- PQL Practical Quantitation Limit
- TIC Tentatively Identified Compound, Estimated Concentration
- J Analyte detected below quantitation limits
- B Analyte detected in the associated Method Blank
- E Estimated Value above quantitation range
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate Recovery exceeds REIC control limits
- \* Value exceeds MCL or Regulatory Limits

<b>REI</b> Consultants, Inc.			Analy	Analytical Results   Date: 12-Apr-12							
CLIE	NT:	TRIAD ENGINEER	ING -ST A	LBANS	Work	Order:	1204656	Lab ID 1204656-04A			
Client	: Samp	le ID: GW-2			DateR	eceived:	4/6/2012				
Projec	et:	04-12-0091			Collec	tion Date	e: 4/5/2012	12:30:00 PM			
Site II	D:	PRENTER			Matri	<b>X:</b>	LIQUID				
Analy	ses		Result	Units	Qual	MDL	PQL	Date Analyzed			
ΜΕΤΔ	ISBY	ICP			E200 7			Analyst: I F			
Alumi	inum		8.94	ma/L	L200.7	0.0060	0.100	4/10/2012 5:30:18 PM			
Calciu	um		86.3	ma/L		0.0500	1.00	4/10/2012 5:30:18 PM			
Cobal	lt		0.161	ma/L		0.0030	0.100	4/10/2012 5:30:18 PM			
Iron			0.034	ma/L	J	0.0100	0.100	4/10/2012 5:30:18 PM			
Magn	esium		97.2	ma/L	-	0.0500	0.500	4/10/2012 5:30:18 PM			
Mang	anese		12.5	ma/l		0.0020	0.100	4/10/2012 5:30:18 PM			
Potas	sium		8 46	ma/l		0.0500	0.500	4/10/2012 5:30:18 PM			
Sodiu	im		3 71	ma/l		0.0500	1 00	4/10/2012 5:30:18 PM			
Zinc			0.973	ma/l		0.0050	0.050	4/10/2012 5:30:18 PM			
NOT	ES:		0.070	iiig/L		0.0000	0.000	1, 10, 20 12 0.00.10 1 M			
Initial is ne	l calibra gligible.	tion verification for K was just out	tside method	target. Cor	tinuing calibration	verification	n was within crit	eria. The impact on data qua			
META	LS BY	ICP-MS			E200.8			Analyst: JD			
Antim	nony		ND	mg/L		0.00020	0.0010	4/10/2012 7:23:00 PM			
Arsen	nic		ND	mg/L		0.00100	0.0050	4/10/2012 7:23:00 PM			
Bariu	m		0.0182	mg/L		0.00100	0.0050	4/10/2012 7:23:00 PM			
Beryll	lium		0.0192	mg/L		0.00020	0.0010	4/10/2012 7:23:00 PM			
Cadm	nium		0.0020	mg/L		0.00020	0.0010	4/10/2012 7:23:00 PM			
Chror	mium		ND	mg/L		0.00100	0.0050	4/10/2012 7:23:00 PM			
Copp	er		0.0099	mg/L		0.00100	0.0050	4/10/2012 7:23:00 PM			
Lead			0.0006	mg/L	J	0.00020	0.0010	4/10/2012 7:23:00 PM			
Molyb	odenum		0.0013	mg/L	J	0.00100	0.0050	4/10/2012 7:23:00 PM			
Nicke	el		0.598	mg/L		0.00200	0.0100	4/10/2012 7:23:00 PM			
Selen	nium		0.0030	mg/L	J	0.00100	0.0050	4/10/2012 7:23:00 PM			
Silver			ND	mg/L		0.00100	0.0050	4/10/2012 7:23:00 PM			
Stron	tium		0.561	mg/L		0.00100	0.0050	4/10/2012 7:23:00 PM			
Thalli	um		ND	mg/L		0.00020	0.0010	4/10/2012 7:23:00 PM			
Tin			ND	mg/L		0.00100	0.0050	4/10/2012 7:23:00 PM			
Titani	ium		0.0081	mg/L		0.00100	0.0050	4/10/2012 7:23:00 PM			
Urani	um		ND	mg/L		0.00100	0.0100	4/10/2012 7:23:00 PM			
Vanad	dium		ND	mg/L		0.00100	0.0100	4/10/2012 7:23:00 PM			
MERC	URY.	TOTAL			E245.1			Analyst: <b>DS</b>			
Mercu	, ury		ND	mg/L		0.00010	0.0010	4/11/2012 10:41:35 AM			
VOLA	TILE C	RGANIC COMPOUNDS			SW8260B			Analyst: AS			
Aceto	one		ND	µg/L		4.88	10.0	4/9/2012 5:30:00 PM			
Acrole	ein		ND	µg/L		4.36	10.0	4/9/2012 5:30:00 PM			
Key:	MCL	Maximum Contaminant Level			J Analy	te detected b	elow quantitation	n limits			
•	MDL	Minimum Detection Limit			B Analy	te detected in	n the associated M	Viethod Blank			
	NA	Not Applicable			E Estima	ited Value a	bove quantitation	a range			
	ND	Not Detected at the PQL or MDL			H Holdir	ng times for	preparation or an	alysis exceeded			
	PQL	Practical Quantitation Limit			S Spike/	Surrogate R	ecovery exceeds	REIC control limits			
	TIC	Tentatively Identified Compound,	Estimated Co	ncentration	* Value	exceeds MC	CL or Regulatory	Limits			

<b>REI</b> Consultants, Inc.		Analy	<b>Analytical Results</b>			<b>Date:</b> 12-Apr-12			
CLIENT:	TRIAD ENGINE	ERING -ST A	LBANS	Work	Order:	1204656	Lab ID 1204656-04A		
<b>Client Sample</b>	e <b>ID:</b> GW-2			DateR	eceived:	4/6/2012			
Project.	04-12-0091			Collec	tion Date	• 4/5/2012 1	2·30·00 PM		
Site D.	DDENTED			Modrie			2.50.00110		
Site ID:	PKENIEK			Matri	X:	LIQUID			
Analyses		Result	Units	Qual	MDL	PQL	Date Analyzed		
VOLATILE OF	RGANIC COMPOUNDS	;		SW8260B			Analyst: AS		
Acrylonitrile		ND	µg/L		4.24	10.0	4/9/2012 5:30:00 PM		
Benzene		ND	µg/L		0.13	1.0	4/9/2012 5:30:00 PM		
Bromobenzene	)	ND	µg/L		0.25	1.0	4/9/2012 5:30:00 PM		
Bromochlorome	ethane	ND	µg/L		0.35	1.0	4/9/2012 5:30:00 PM		
Bromodichloror	methane	ND	µg/L		0.16	1.0	4/9/2012 5:30:00 PM		
Bromoform		ND	µg/L		0.40	1.0	4/9/2012 5:30:00 PM		
Bromomethane	9	ND	µg/L		0.50	1.0	4/9/2012 5:30:00 PM		
2-Butanone		ND	µg/L		4.68	10.0	4/9/2012 5:30:00 PM		
n-Butylbenzene	e	ND	µg/L		0.25	1.0	4/9/2012 5:30:00 PM		
sec-Butylbenze	ene	ND	µg/L		0.28	1.0	4/9/2012 5:30:00 PM		
tert-Butylbenze	ene	ND	µg/L		0.24	1.0	4/9/2012 5:30:00 PM		
Carbon disulfid	le	ND	µg/L		1.27	5.0	4/9/2012 5:30:00 PM		
Carbon tetrach	loride	ND	µg/L		0.25	1.0	4/9/2012 5:30:00 PM		
Chlorobenzene	9	ND	µg/L		0.18	1.0	4/9/2012 5:30:00 PM		
Chloroethane		ND	µg/L		0.94	1.0	4/9/2012 5:30:00 PM		
Chloroform		ND	µg/L		0.25	1.0	4/9/2012 5:30:00 PM		
Chloromethane	9	ND	µg/L		0.33	1.0	4/9/2012 5:30:00 PM		
2-Chlorotoluen	e	ND	µg/L		0.25	1.0	4/9/2012 5:30:00 PM		
4-Chlorotoluen	e	ND	µg/L		0.28	1.0	4/9/2012 5:30:00 PM		
Dibromochloro	methane	ND	µg/L		0.42	1.0	4/9/2012 5:30:00 PM		
1,2-Dibromo-3-	-chloropropane	ND	µg/L		0.50	1.0	4/9/2012 5:30:00 PM		
1,2-Dibromoeth	nane	ND	µg/L		0.34	1.0	4/9/2012 5:30:00 PM		
Dibromometha	ne	ND	µg/L		0.29	1.0	4/9/2012 5:30:00 PM		
1,2-Dichlorober	nzene	ND	µg/L		0.45	1.0	4/9/2012 5:30:00 PM		
1,3-Dichlorober	nzene	ND	µg/L		0.14	1.0	4/9/2012 5:30:00 PM		
1,4-Dichlorober	nzene	ND	µg/L		0.29	1.0	4/9/2012 5:30:00 PM		
Dichlorodifluor	omethane	ND	µg/L		0.71	1.0	4/9/2012 5:30:00 PM		
1,1-Dichloroeth	nane	ND	µg/L		0.38	1.0	4/9/2012 5:30:00 PM		
1,2-Dichloroeth	nane	ND	µg/L		0.43	1.0	4/9/2012 5:30:00 PM		
1,1-Dichloroeth	nene	ND	µg/L		0.33	1.0	4/9/2012 5:30:00 PM		
cis-1,2-Dichlor	oethene	ND	µg/L		0.23	1.0	4/9/2012 5:30:00 PM		
trans-1,2-Dichl	oroethene	ND	µg/L		0.39	1.0	4/9/2012 5:30:00 PM		
1,2-Dichloropro	opane	ND	µg/L		0.46	1.0	4/9/2012 5:30:00 PM		
1,3-Dichloropro	opane	ND	µg/L		0.71	1.0	4/9/2012 5:30:00 PM		
2,2-Dichloropro	opane	ND	µg/L		0.23	1.0	4/9/2012 5:30:00 PM		
1,1-Dichloropro	opene	ND	µg/L		0.33	1.0	4/9/2012 5:30:00 PM		
cis-1,3-Dichlore	opropene	ND	µg/L		0.22	1.0	4/9/2012 5:30:00 PM		

MDL Minimum Detection Limit

- NA Not Applicable
- ND Not Detected at the PQL or MDL

PQL Practical Quantitation Limit

TIC Tentatively Identified Compound, Estimated Concentration

J Analyte detected below quantitation limits

B Analyte detected in the associated Method Blank

E Estimated Value above quantitation range

H Holding times for preparation or analysis exceeded

S Spike/Surrogate Recovery exceeds REIC control limits

\* Value exceeds MCL or Regulatory Limits

REI Consu	Analy	Analytical Results			<b>Date:</b> 12-Apr-12			
CLIENT:	TRIAD ENGINE	ERING -ST A	LBANS	Work	Order:	1204656	Lab ID 1204656-04A	
<b>Client Sample</b>	<b>ID:</b> GW-2			DateR	eceived:	4/6/2012		
Project.	04-12-0091			Collect	tion Date	• 4/5/2012 1	2·30·00 PM	
C'4. D.	DDENTED			Madai			2.50.00 1 10	
Site ID:	PRENTER			Matrix	K:	LIQUID		
Analyses		Result	Units	Qual	MDL	PQL	Date Analyzed	
VOLATILE OR	GANIC COMPOUNDS	;		SW8260B			Analyst: AS	
trans-1,3-Dichlo	ropropene	ND	µg/L		0.22	1.0	4/9/2012 5:30:00 PM	
Ethylbenzene		ND	µg/L		0.18	1.0	4/9/2012 5:30:00 PM	
Hexachlorobutac	liene	ND	µg/L		0.26	1.0	4/9/2012 5:30:00 PM	
2-Hexanone		ND	µg/L		4.11	10.0	4/9/2012 5:30:00 PM	
lodomethane		ND	µg/L		3.44	10.0	4/9/2012 5:30:00 PM	
Isopropylbenzen	e	ND	µg/L		0.23	1.0	4/9/2012 5:30:00 PM	
4-Isopropyltoluer	ne	ND	µg/L		0.24	1.0	4/9/2012 5:30:00 PM	
Methylene chlori	de	ND	µg/L		0.54	1.0	4/9/2012 5:30:00 PM	
4-Methyl-2-penta	anone	ND	µg/L		4.40	10.0	4/9/2012 5:30:00 PM	
Methyl tert-butyl	ether	ND	µg/L		0.76	5.0	4/9/2012 5:30:00 PM	
Naphthalene		ND	µg/L		0.42	1.0	4/9/2012 5:30:00 PM	
n-Propylbenzene	)	ND	µg/L		0.14	1.0	4/9/2012 5:30:00 PM	
Styrene		ND	µg/L		0.24	1.0	4/9/2012 5:30:00 PM	
1,1,1,2-Tetrachle	proethane	ND	µg/L		0.36	1.0	4/9/2012 5:30:00 PM	
1,1,2,2-Tetrachle	proethane	ND	µg/L		0.38	1.0	4/9/2012 5:30:00 PM	
Tetrachloroether	ne	ND	µg/L		0.20	1.0	4/9/2012 5:30:00 PM	
Toluene		ND	µg/L		0.17	1.0	4/9/2012 5:30:00 PM	
1,2,3-Trichlorobe	enzene	ND	µg/L		0.41	1.0	4/9/2012 5:30:00 PM	
1,2,4-Trichlorobe	enzene	ND	µg/L		0.41	1.0	4/9/2012 5:30:00 PM	
1,1,1-Trichloroet	hane	ND	µg/L		0.35	1.0	4/9/2012 5:30:00 PM	
1,1,2-Trichloroet	hane	ND	µg/L		0.49	1.0	4/9/2012 5:30:00 PM	
Trichloroethene		ND	µg/L		0.30	1.0	4/9/2012 5:30:00 PM	
Trichlorofluorom	ethane	ND	µg/L		0.30	1.0	4/9/2012 5:30:00 PM	
1,2,3-Trichloropr	opane	ND	µg/L		0.36	1.0	4/9/2012 5:30:00 PM	
1,2,4-Trimethylb	enzene	ND	µg/L		0.28	1.0	4/9/2012 5:30:00 PM	
1,3,5-Trimethylb	enzene	ND	µg/L		0.28	1.0	4/9/2012 5:30:00 PM	
Vinyl acetate		ND	µg/L		4.87	10.0	4/9/2012 5:30:00 PM	
Vinyl chloride		ND	µg/L		0.22	1.0	4/9/2012 5:30:00 PM	
o-Xylene		ND	µg/L		0.19	1.0	4/9/2012 5:30:00 PM	
m,p-Xylene		ND	µg/L		0.29	2.0	4/9/2012 5:30:00 PM	
Surr: 1,2-Dich	loroethane-d4	102	%REC			80-120	4/9/2012 5:30:00 PM	
Surr: 4-Bromo	ofluorobenzene	95.1	%REC			86-115	4/9/2012 5:30:00 PM	
Surr: Dibromo	fluoromethane	110	%REC			80-120	4/9/2012 5:30:00 PM	
Surr: Toluene	-d8	91.2	%REC			88-110	4/9/2012 5:30:00 PM	
SURFACTANT	5			SM5540 C			Analyst: CC	
MBAS		ND	mg/L		0.0250	0.062	4/6/2012 5:04:00 PM	

- MDL Minimum Detection Limit
- NA Not Applicable
- ND Not Detected at the PQL or MDL
- PQL Practical Quantitation Limit
- TIC Tentatively Identified Compound, Estimated Concentration
- B Analyte detected in the associated Method Blank
- E Estimated Value above quantitation range
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate Recovery exceeds REIC control limits
- \* Value exceeds MCL or Regulatory Limits

<b>REI</b> Consultants, Inc.		Analytical Results			D	<b>Date:</b> 12-Apr-12		
CLIENT:	TRIAD ENGINEERIN	IG -ST A	LBANS	Work	Order:	1204656	Lab ID 1204656-04A	
<b>Client Sample</b>	<b>ID:</b> GW-2			DateR	eceived:	4/6/2012		
Project:	04-12-0091			Collec	tion Dat	e: 4/5/2012 1	2:30:00 PM	
Site ID:	PRENTER			Matrix	K:	LIQUID		
Analyses		Result	Units	Qual	MDL	PQL	Date Analyzed	
ANIONS BY IC	ON CHROMATOGRAPHY			E300.0			Analyst: <b>CF</b>	
Chloride		0.71	mg/L	J	0.100	1.00	4/10/2012 10:02:00 PM	
Fluoride		0.78	mg/L		0.040	0.20	4/10/2012 10:02:00 PM	
Sulfate		738	mg/L		25.0	125	4/10/2012 10:02:00 PM	
TOTAL DISSO	LVED SOLIDS			SM2540 C			Analyst: SF	
Total Dissolved	Solids	1,050	mg/L		5.0	10	4/7/2012 3:17:00 PM	
ACIDITY				SM2310 B			Analyst: <b>DSD</b>	
Acidity, Total		87.3	mg/L		1.00	10.0	4/9/2012 10:00:00 AM	
ALKALINITY				SM2320 B			Analyst: <b>DSD</b>	
Alkalinity, Bicar	bonate (As CaCO3)	ND	mg/L		1.00	10.0	4/9/2012 10:00:00 AM	
ALKALINITY				SM2320 B			Analyst: <b>DSD</b>	
Alkalinity, Carbo	onate (As CaCO3)	ND	mg/L		1.00	10.0	4/9/2012 10:00:00 AM	
ALKALINITY				SM2320 B			Analyst: <b>DSD</b>	
Alkalinity, Total	(As CaCO3)	ND	mg/L		1.00	10.0	4/9/2012 10:00:00 AM	
PH - LAB TES	T, HOLD TIME EXPIRED			SM4500-H+-	В		Analyst: <b>DSD</b>	
рН		3.99	SU		NA	NA	4/9/2012 10:00:00 AM	

- MDL Minimum Detection Limit
- NA Not Applicable
- ND Not Detected at the PQL or MDL
- PQL Practical Quantitation Limit
- TIC Tentatively Identified Compound, Estimated Concentration
- J Analyte detected below quantitation limits
- B Analyte detected in the associated Method Blank
- E Estimated Value above quantitation range
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate Recovery exceeds REIC control limits
- \* Value exceeds MCL or Regulatory Limits

<b>REI</b> Consultants, Inc.			Analy	tical <b>R</b>	esults	D	Date: 12-Apr-12		
CLIE	NT:	TRIAD ENGINEE	RING -ST A	LBANS	Work	Order:	1204656	Lab ID 1204656-05A	
Client	t Samp	le ID: GW-3			DateR	eceived:	4/6/2012		
Proie	rt:	04-12-0091			Collec	tion Date	· 4/5/2012 2	2:30:00 PM	
Sito II	D.	PRENTER			Motri				
	<b>D.</b>	TRENTER			Iviati i	А.	LIQUID		
Analy	vses		Result	Units	Qual	MDL	PQL	Date Analyzed	
META	LS BY	ICP			E200.7			Analyst: LF	
Alum	inum		0.258	mg/L		0.0060	0.100	4/10/2012 5:33:21 PM	
Calci	um		13.8	mg/L		0.0500	1.00	4/10/2012 5:33:21 PM	
Coba	lt		ND	mg/L		0.0030	0.100	4/10/2012 5:33:21 PM	
Iron			0.031	mg/L	J	0.0100	0.100	4/10/2012 5:33:21 PM	
Magr	nesium		12.7	mg/L		0.0500	0.500	4/10/2012 5:33:21 PM	
Mang	ganese		0.328	mg/L		0.0020	0.100	4/10/2012 5:33:21 PM	
Potas	ssium		8.58	mg/L		0.0500	0.500	4/10/2012 5:33:21 PM	
Sodiu	um		3.72	mg/L		0.0500	1.00	4/10/2012 5:33:21 PM	
Zinc			0.049	mg/L	J	0.0050	0.050	4/10/2012 5:33:21 PM	
NOT Initia is ne	ES: Il calibrat gligible.	ion verification for K was just o	utside method	target. Cont	inuing calibration	verification	n was within crit	eria. The impact on data qua	
МЕТА	LS BY	ICP-MS			E200.8			Analyst: <b>JD</b>	
Antim	nony		ND	mg/L		0.00020	0.0010	4/10/2012 7:28:00 PM	
Arser	nic		ND	ma/L		0.00100	0.0050	4/10/2012 7:28:00 PM	
Bariu	m		0.0254	ma/L		0.00100	0.0050	4/10/2012 7:28:00 PM	
Bervl	lium		0.0009	ma/L	J	0.00020	0.0010	4/10/2012 7:28:00 PM	
Cadn	nium		ND	ma/L		0.00020	0.0010	4/10/2012 7:28:00 PM	
Chro	mium		ND	ma/L		0.00100	0.0050	4/10/2012 7:28:00 PM	
Copp	ber		0.0017	mg/L	J	0.00100	0.0050	4/10/2012 7:28:00 PM	
Lead			0.0013	ma/L		0.00020	0.0010	4/10/2012 7:28:00 PM	
Molyt	odenum		ND	ma/L		0.00100	0.0050	4/10/2012 7:28:00 PM	
Nicke	el		0.0265	mg/L		0.00200	0.0100	4/10/2012 7:28:00 PM	
Seler	nium		0.0010	mg/L	J	0.00100	0.0050	4/10/2012 7:28:00 PM	
Silver	r		ND	mg/L		0.00100	0.0050	4/10/2012 7:28:00 PM	
Stron	ntium		0.170	mg/L		0.00100	0.0050	4/10/2012 7:28:00 PM	
Thalli	ium		ND	mg/L		0.00020	0.0010	4/10/2012 7:28:00 PM	
Tin			ND	mg/L		0.00100	0.0050	4/10/2012 7:28:00 PM	
Titan	ium		0.0014	mg/L	J	0.00100	0.0050	4/10/2012 7:28:00 PM	
Urani	ium		ND	mg/L		0.00100	0.0100	4/10/2012 7:28:00 PM	
Vana	dium		ND	mg/L		0.00100	0.0100	4/10/2012 7:28:00 PM	
MERC	URY, 1	FOTAL			E245.1			Analyst: <b>DS</b>	
Merc	ury		ND	mg/L		0.00010	0.0010	4/11/2012 10:43:46 AM	
VOLA		RGANIC COMPOUNDS			SW8260B			Analyst: AS	
Aceto	one		ND	µg/L		4.88	10.0	4/9/2012 6:05:00 PM	
Acrol	ein		ND	µg/L		4.36	10.0	4/9/2012 6:05:00 PM	
Key:	MCL	Maximum Contaminant Level			J Analy	te detected b	elow quantitatior	ı limits	
•	MDL	Minimum Detection Limit			B Analy	te detected in	n the associated N	/lethod Blank	
	NA	Not Applicable			E Estima	ated Value a	bove quantitatior	ı range	
	ND	Not Detected at the PQL or MD	L		H Holdir	ng times for	preparation or an	alysis exceeded	
	PQL	Practical Quantitation Limit			S Spike/	Surrogate R	ecovery exceeds	REIC control limits	
	TIC	Tentatively Identified Compoun	d, Estimated Co	ncentration	* Value	exceeds MC	L or Regulatory	Limits	

<b>REI</b> Consultants, Inc.		Analy	<b>Analytical Results</b>			<b>Date:</b> 12-Apr-12				
CLIENT:	TRIAD ENGINE	ERING -ST A	LBANS	Work	Order:	1204656	Lab ID 1204656-05A			
<b>Client Sample</b>	e ID: GW-3			DateR	eceived:	4/6/2012				
Project:	04-12-0091			Collec	tion Date	• 4/5/2012 2	2:30:00 PM			
Site ID:	PRENTER			Matri						
Site ID.	TRENTER			1 <b>v1at1</b> 12	1.	LIQUID				
Analyses		Result	Units	Qual	MDL	PQL	Date Analyzed			
VOLATILE OF	RGANIC COMPOUNDS			SW8260B			Analyst: <b>AS</b>			
Acrylonitrile		ND	µg/L		4.24	10.0	4/9/2012 6:05:00 PM			
Benzene		ND	µg/L		0.13	1.0	4/9/2012 6:05:00 PM			
Bromobenzene	9	ND	µg/L		0.25	1.0	4/9/2012 6:05:00 PM			
Bromochlorom	ethane	ND	µg/L		0.35	1.0	4/9/2012 6:05:00 PM			
Bromodichloro	methane	ND	µg/L		0.16	1.0	4/9/2012 6:05:00 PM			
Bromoform		ND	µg/L		0.40	1.0	4/9/2012 6:05:00 PM			
Bromomethane	e	ND	µg/L		0.50	1.0	4/9/2012 6:05:00 PM			
2-Butanone		ND	µg/L		4.68	10.0	4/9/2012 6:05:00 PM			
n-Butylbenzene	e	ND	µg/L		0.25	1.0	4/9/2012 6:05:00 PM			
sec-Butylbenze	ene	ND	µg/L		0.28	1.0	4/9/2012 6:05:00 PM			
tert-Butylbenze	ene	ND	µg/L		0.24	1.0	4/9/2012 6:05:00 PM			
Carbon disulfic	de	ND	µg/L		1.27	5.0	4/9/2012 6:05:00 PM			
Carbon tetrach	loride	ND	µg/L		0.25	1.0	4/9/2012 6:05:00 PM			
Chlorobenzene	e	ND	µg/L		0.18	1.0	4/9/2012 6:05:00 PM			
Chloroethane		ND	µg/L		0.94	1.0	4/9/2012 6:05:00 PM			
Chloroform		ND	µg/L		0.25	1.0	4/9/2012 6:05:00 PM			
Chloromethane	e	ND	µg/L		0.33	1.0	4/9/2012 6:05:00 PM			
2-Chlorotoluen	e	ND	µg/L		0.25	1.0	4/9/2012 6:05:00 PM			
4-Chlorotoluen	e	ND	µg/L		0.28	1.0	4/9/2012 6:05:00 PM			
Dibromochloro	methane	ND	µg/L		0.42	1.0	4/9/2012 6:05:00 PM			
1,2-Dibromo-3-	-chloropropane	ND	µg/L		0.50	1.0	4/9/2012 6:05:00 PM			
1,2-Dibromoeth	hane	ND	µg/L		0.34	1.0	4/9/2012 6:05:00 PM			
Dibromometha	ne	ND	µg/L		0.29	1.0	4/9/2012 6:05:00 PM			
1,2-Dichlorobe	nzene	ND	µg/L		0.45	1.0	4/9/2012 6:05:00 PM			
1,3-Dichlorobe	nzene	ND	µg/L		0.14	1.0	4/9/2012 6:05:00 PM			
1,4-Dichlorobe	nzene	ND	µg/L		0.29	1.0	4/9/2012 6:05:00 PM			
Dichlorodifluor	omethane	ND	µg/L		0.71	1.0	4/9/2012 6:05:00 PM			
1,1-Dichloroeth	nane	ND	µg/L		0.38	1.0	4/9/2012 6:05:00 PM			
1,2-Dichloroeth	nane	ND	µg/L		0.43	1.0	4/9/2012 6:05:00 PM			
1,1-Dichloroeth	nene	ND	µg/L		0.33	1.0	4/9/2012 6:05:00 PM			
cis-1,2-Dichlor	oethene	ND	µg/L		0.23	1.0	4/9/2012 6:05:00 PM			
trans-1,2-Dichl	loroethene	ND	µg/L		0.39	1.0	4/9/2012 6:05:00 PM			
1,2-Dichloropro	opane	ND	µg/L		0.46	1.0	4/9/2012 6:05:00 PM			
1,3-Dichloropro	opane	ND	µg/L		0.71	1.0	4/9/2012 6:05:00 PM			
2,2-Dichloropro	opane	ND	µg/L		0.23	1.0	4/9/2012 6:05:00 PM			
1,1-Dichloropro	opene	ND	µg/L		0.33	1.0	4/9/2012 6:05:00 PM			
cis-1,3-Dichlor	opropene	ND	µg/L		0.22	1.0	4/9/2012 6:05:00 PM			

MCL Maximum Contaminant Level Key:

MDL Minimum Detection Limit

- NA Not Applicable
- ND Not Detected at the PQL or MDL
- PQL Practical Quantitation Limit

TIC Tentatively Identified Compound, Estimated Concentration

Analyte detected below quantitation limits J

В Analyte detected in the associated Method Blank

Е Estimated Value above quantitation range

Н Holding times for preparation or analysis exceeded

S Spike/Surrogate Recovery exceeds REIC control limits

**Date:** *12-Apr-12* 

\* Value exceeds MCL or Regulatory Limits

KEI Consultants, Inc.	Analytical	results –	I I	
CLIENT: TRIAD ENGINEER	ING -ST ALBANS	WorkOrder:	1204656	Lab ID 1204656-05A
Client Sample ID: GW-3		DateReceived:	4/6/2012	
<b>Project:</b> 04-12-0091		Collection Date	• 4/5/2012	2:30:00 PM
Cito ID. DDENTED		Motrice		2.50.001101
Sile ID: PRENTER		Matrix:	LIQUID	
Analyses	<b>Result Units</b>	Qual MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS		SW8260B		Analyst: AS
trans-1,3-Dichloropropene	ND µg/L	0.22	1.0	4/9/2012 6:05:00 PM
Ethylbenzene	ND µg/L	0.18	1.0	4/9/2012 6:05:00 PM
Hexachlorobutadiene	ND µg/L	0.26	1.0	4/9/2012 6:05:00 PM
2-Hexanone	ND µg/L	4.11	10.0	4/9/2012 6:05:00 PM
lodomethane	ND µg/L	3.44	10.0	4/9/2012 6:05:00 PM
Isopropylbenzene	ND µg/L	0.23	1.0	4/9/2012 6:05:00 PM
4-Isopropyltoluene	ND µg/L	0.24	1.0	4/9/2012 6:05:00 PM
Methylene chloride	ND µg/L	0.54	1.0	4/9/2012 6:05:00 PM
4-Methyl-2-pentanone	ND µg/L	4.40	10.0	4/9/2012 6:05:00 PM
Methyl tert-butyl ether	ND µg/L	0.76	5.0	4/9/2012 6:05:00 PM
Naphthalene	ND µg/L	0.42	1.0	4/9/2012 6:05:00 PM
n-Propylbenzene	ND µg/L	0.14	1.0	4/9/2012 6:05:00 PM
Styrene	ND µg/L	0.24	1.0	4/9/2012 6:05:00 PM
1,1,1,2-Tetrachloroethane	ND µg/L	0.36	1.0	4/9/2012 6:05:00 PM
1,1,2,2-Tetrachloroethane	ND µg/L	0.38	1.0	4/9/2012 6:05:00 PM
Tetrachloroethene	ND µg/L	0.20	1.0	4/9/2012 6:05:00 PM
Toluene	ND µg/L	0.17	1.0	4/9/2012 6:05:00 PM
1,2,3-Trichlorobenzene	ND µg/L	0.41	1.0	4/9/2012 6:05:00 PM
1,2,4-Trichlorobenzene	ND µg/L	0.41	1.0	4/9/2012 6:05:00 PM
1,1,1-Trichloroethane	ND µg/L	0.35	1.0	4/9/2012 6:05:00 PM
1,1,2-Trichloroethane	ND µg/L	0.49	1.0	4/9/2012 6:05:00 PM
Trichloroethene	ND µg/L	0.30	1.0	4/9/2012 6:05:00 PM
Trichlorofluoromethane	ND µg/L	0.30	1.0	4/9/2012 6:05:00 PM
1,2,3-Trichloropropane	ND µg/L	0.36	1.0	4/9/2012 6:05:00 PM
1,2,4-Trimethylbenzene	ND µg/L	0.28	1.0	4/9/2012 6:05:00 PM
1,3,5-Trimethylbenzene	ND µg/L	0.28	1.0	4/9/2012 6:05:00 PM
Vinyl acetate	ND µg/L	4.87	10.0	4/9/2012 6:05:00 PM
Vinyl chloride	ND µg/L	0.22	1.0	4/9/2012 6:05:00 PM
o-Xylene	ND µg/L	0.19	1.0	4/9/2012 6:05:00 PM
m,p-Xylene	ND µg/L	0.29	2.0	4/9/2012 6:05:00 PM
Surr: 1,2-Dichloroethane-d4	101 %REC		80-120	4/9/2012 6:05:00 PM
Surr: 4-Bromofluorobenzene	97.0 %REC		86-115	4/9/2012 6:05:00 PM
Surr: Dibromofluoromethane	110 %REC		80-120	4/9/2012 6:05:00 PM
Surr: Toluene-d8	91.4 %REC		88-110	4/9/2012 6:05:00 PM
SURFACTANTS		SM5540 C		Analyst: CC
MBAS	ND mg/L	0.0250	0.062	4/6/2012 5:04:00 PM
Kom MCL Maximum Contaminant Level		J Analyte detected b	elow quantitation	n limits
MDL Minimum Detection Limit		B Analyte detected in	the associated I	Method Blank

- NA Not Applicable
- ND Not Detected at the PQL or MDL
- PQL Practical Quantitation Limit
- TIC Tentatively Identified Compound, Estimated Concentration
- В Analyte detected in the associated Method Blank
- Е Estimated Value above quantitation range
- Н Holding times for preparation or analysis exceeded
- S Spike/Surrogate Recovery exceeds REIC control limits
- \* Value exceeds MCL or Regulatory Limits

### **REI** Consultants Inc.

Analytical Results

**Date:** *12-Apr-12* 

<b>REI Consultants, Inc.</b>		Analytical Results			D	<b>Date:</b> 12-Apr-12		
CLIENT:	TRIAD ENGINEERIN	IG -ST A	LBANS	Work(	Order:	1204656	Lab ID 1204656-05A	
<b>Client Sample</b>	e <b>ID:</b> GW-3			DateR	eceived:	4/6/2012		
Project:	04-12-0091			Collect	tion Date	e: 4/5/2012 2	2:30:00 PM	
Site ID:	PRENTER			Matrix	<b>X:</b>	LIQUID		
Analyses		Result	Units	Qual	MDL	PQL	Date Analyzed	
ANIONS BY IC	ON CHROMATOGRAPHY			E300.0			Analyst: <b>CF</b>	
Chloride		1.14	mg/L		0.100	1.00	4/10/2012 10:20:00 PM	
Fluoride		ND	mg/L		0.040	0.20	4/10/2012 10:20:00 PM	
Sulfate		96.2	mg/L		2.00	10.0	4/10/2012 10:20:00 PM	
TOTAL DISSO	LVED SOLIDS			SM2540 C			Analyst: SF	
Total Dissolved	Solids	170	mg/L		5.0	10	4/7/2012 3:17:00 PM	
ACIDITY				SM2310 B			Analyst: <b>DSD</b>	
Acidity, Total		9.2	mg/L	J	1.00	10.0	4/9/2012 10:00:00 AM	
ALKALINITY				SM2320 B			Analyst: <b>DSD</b>	
Alkalinity, Bicar	bonate (As CaCO3)	ND	mg/L		1.00	10.0	4/9/2012 10:00:00 AM	
ALKALINITY				SM2320 B			Analyst: DSD	
Alkalinity, Carbo	onate (As CaCO3)	ND	mg/L		1.00	10.0	4/9/2012 10:00:00 AM	
ALKALINITY				SM2320 B			Analyst: <b>DSD</b>	
Alkalinity, Total	(As CaCO3)	ND	mg/L		1.00	10.0	4/9/2012 10:00:00 AM	
PH - LAB TES	T, HOLD TIME EXPIRED			SM4500-H+-	В		Analyst: <b>DSD</b>	
рН		4.30	SU		NA	NA	4/9/2012 10:00:00 AM	

- MDL Minimum Detection Limit
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- J Analyte detected below quantitation limits
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- S Spike/Surrogate Recovery exceeds REIC control limits
- \* Value exceeds MCL or Regulatory Limits

<b>REI Consu</b>	Analy	<b>Analytical Results</b>			<b>Date:</b> 12-Apr-12			
CLIENT:	RING -ST A	ING -ST ALBANS Wo		Order:	1204656	Lab ID 1204656-06A		
<b>Client Sample</b>	ID: TRIP BLANK			DateR	eceived:	4/6/2012		
Project.	04-12-0091			Collec	tion Dat	e• 4/5/2012		
Site ID:	DDENTED			Motri	vi		NK	
Site ID:	FRENTER			Matri	х:	I KIF DLA		
Analyses		Result	Units	Qual	MDL	PQL	Date Analyzed	
VOLATILE OR	GANIC COMPOUNDS			SW8260B			Analyst: <b>AS</b>	
Acetone		ND	µg/L		4.88	10.0	4/10/2012 6:22:00 AM	
Acrolein		ND	µg/L		4.36	10.0	4/10/2012 6:22:00 AM	
Acrylonitrile		ND	µg/L		4.24	10.0	4/10/2012 6:22:00 AM	
Benzene		ND	µg/L		0.13	1.0	4/10/2012 6:22:00 AM	
Bromobenzene		ND	µg/L		0.25	1.0	4/10/2012 6:22:00 AM	
Bromochlorome	ethane	ND	µg/L		0.35	1.0	4/10/2012 6:22:00 AM	
Bromodichlorom	nethane	ND	µg/L		0.16	1.0	4/10/2012 6:22:00 AM	
Bromoform		ND	µg/L		0.40	1.0	4/10/2012 6:22:00 AM	
Bromomethane		ND	µg/L		0.50	1.0	4/10/2012 6:22:00 AM	
2-Butanone		ND	µg/L		4.68	10.0	4/10/2012 6:22:00 AM	
n-Butylbenzene	•	ND	µg/L		0.25	1.0	4/10/2012 6:22:00 AM	
sec-Butylbenze	ne	ND	µg/L		0.28	1.0	4/10/2012 6:22:00 AM	
tert-Butylbenzer	ne	ND	µg/L		0.24	1.0	4/10/2012 6:22:00 AM	
Carbon disulfide	e	ND	µg/L		1.27	5.0	4/10/2012 6:22:00 AM	
Carbon tetrachle	oride	ND	µg/L		0.25	1.0	4/10/2012 6:22:00 AM	
Chlorobenzene		ND	µg/L		0.18	1.0	4/10/2012 6:22:00 AM	
Chloroethane		ND	µg/L		0.94	1.0	4/10/2012 6:22:00 AM	
Chloroform		ND	µg/L		0.25	1.0	4/10/2012 6:22:00 AM	
Chloromethane		ND	µg/L		0.33	1.0	4/10/2012 6:22:00 AM	
2-Chlorotoluene	9	ND	µg/L		0.25	1.0	4/10/2012 6:22:00 AM	
4-Chlorotoluene	9	ND	µg/L		0.28	1.0	4/10/2012 6:22:00 AM	
Dibromochloron	nethane	ND	µg/L		0.42	1.0	4/10/2012 6:22:00 AM	
1,2-Dibromo-3-0	chloropropane	ND	µg/L		0.50	1.0	4/10/2012 6:22:00 AM	
1,2-Dibromoeth	ane	ND	µg/L		0.34	1.0	4/10/2012 6:22:00 AM	
Dibromomethan	ne	ND	µg/L		0.29	1.0	4/10/2012 6:22:00 AM	
1,2-Dichloroben	nzene	ND	µg/L		0.45	1.0	4/10/2012 6:22:00 AM	
1,3-Dichloroben	nzene	ND	µg/L		0.14	1.0	4/10/2012 6:22:00 AM	
1,4-Dichloroben	nzene	ND	µg/L		0.29	1.0	4/10/2012 6:22:00 AM	
Dichlorodifluoro	omethane	ND	µg/L		0.71	1.0	4/10/2012 6:22:00 AM	
1,1-Dichloroetha	ane	ND	µg/L		0.38	1.0	4/10/2012 6:22:00 AM	
1,2-Dichloroetha	ane	ND	µg/L		0.43	1.0	4/10/2012 6:22:00 AM	
1,1-Dichloroethe	ene	ND	µg/L		0.33	1.0	4/10/2012 6:22:00 AM	
cis-1,2-Dichloro	bethene	ND	µg/L		0.23	1.0	4/10/2012 6:22:00 AM	
trans-1,2-Dichlo	proethene	ND	µg/L		0.39	1.0	4/10/2012 6:22:00 AM	
1,2-Dichloropro	pane	ND	µg/L		0.46	1.0	4/10/2012 6:22:00 AM	
1,3-Dichloropro	pane	ND	µg/L		0.71	1.0	4/10/2012 6:22:00 AM	
2,2-Dichloropro	pane	ND	µg/L		0.23	1.0	4/10/2012 6:22:00 AM	

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- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate Recovery exceeds REIC control limits

\* Value exceeds MCL or Regulatory Limits

<b>REI Consult</b>	Analy	<b>Analytical Results</b>			<b>Date:</b> 12-Apr-12			
CLIENT: Client Sample ID	TRIAD ENGINEE	RING -ST A	ING -ST ALBANS		Order: eceived:	1204656 4/6/2012	Lab ID 1204656-06A	
Project:	04-12-0091			Collect	tion Date	e: 4/5/2012		
Site ID:	PRENTER			Matrix	K:	TRIP BLA	NK	
Analyses		Result	Units	Qual	MDL	PQL	Date Analyzed	
VOLATILE ORGA	NIC COMPOUNDS			SW8260B			Analyst: AS	
1,1-Dichloropropen	e	ND	µg/L		0.33	1.0	4/10/2012 6:22:00 AM	
cis-1,3-Dichloropro	pene	ND	µg/L		0.22	1.0	4/10/2012 6:22:00 AM	
trans-1,3-Dichlorop	propene	ND	µg/L		0.22	1.0	4/10/2012 6:22:00 AM	
Ethylbenzene		ND	µg/L		0.18	1.0	4/10/2012 6:22:00 AM	
Hexachlorobutadier	ne	ND	µg/L		0.26	1.0	4/10/2012 6:22:00 AM	
2-Hexanone		ND	µg/L		4.11	10.0	4/10/2012 6:22:00 AM	
lodomethane		ND	µg/L		3.44	10.0	4/10/2012 6:22:00 AM	
Isopropylbenzene		ND	µg/L		0.23	1.0	4/10/2012 6:22:00 AM	
4-Isopropyltoluene		ND	µg/L		0.24	1.0	4/10/2012 6:22:00 AM	
Methylene chloride		ND	µg/L		0.54	1.0	4/10/2012 6:22:00 AM	
4-Methyl-2-pentano	one	ND	µg/L		4.40	10.0	4/10/2012 6:22:00 AM	
Methyl tert-butyl eth	ner	ND	µg/L		0.76	5.0	4/10/2012 6:22:00 AM	
Naphthalene		ND	µg/L		0.42	1.0	4/10/2012 6:22:00 AM	
n-Propylbenzene		ND	µg/L		0.14	1.0	4/10/2012 6:22:00 AM	
Styrene		ND	µg/L		0.24	1.0	4/10/2012 6:22:00 AM	
1,1,1,2-Tetrachloro	ethane	ND	µg/L		0.36	1.0	4/10/2012 6:22:00 AM	
1,1,2,2-Tetrachloro	ethane	ND	µg/L		0.38	1.0	4/10/2012 6:22:00 AM	
Tetrachloroethene		ND	µg/L		0.20	1.0	4/10/2012 6:22:00 AM	
Toluene		ND	µg/L		0.17	1.0	4/10/2012 6:22:00 AM	
1,2,3-Trichlorobenz	zene	ND	µg/L		0.41	1.0	4/10/2012 6:22:00 AM	
1,2,4-Trichlorobenz	zene	ND	µg/L		0.41	1.0	4/10/2012 6:22:00 AM	
1,1,1-Trichloroetha	ne	ND	µg/L		0.35	1.0	4/10/2012 6:22:00 AM	
1,1,2-Trichloroetha	ne	ND	µg/L		0.49	1.0	4/10/2012 6:22:00 AM	
Trichloroethene		ND	µg/L		0.30	1.0	4/10/2012 6:22:00 AM	
Trichlorofluorometh	nane	ND	µg/L		0.30	1.0	4/10/2012 6:22:00 AM	
1,2,3-Trichloroprop	ane	ND	µg/L		0.36	1.0	4/10/2012 6:22:00 AM	
1,2,4-Trimethylbenz	zene	ND	µg/L		0.28	1.0	4/10/2012 6:22:00 AM	
1,3,5-Trimethylbenz	zene	ND	µg/L		0.28	1.0	4/10/2012 6:22:00 AM	
Vinyl acetate		ND	µg/L		4.87	10.0	4/10/2012 6:22:00 AM	
Vinyl chloride		ND	µg/L		0.22	1.0	4/10/2012 6:22:00 AM	
o-Xylene		ND	µg/L		0.19	1.0	4/10/2012 6:22:00 AM	
m,p-Xylene		ND	µg/L		0.29	2.0	4/10/2012 6:22:00 AM	
Surr: 1,2-Dichlor	oethane-d4	103	%REC			80-120	4/10/2012 6:22:00 AM	
Surr: 4-Bromoflu	orobenzene	98.4	%REC			86-115	4/10/2012 6:22:00 AM	
Surr: Dibromoflu	oromethane	110	%REC			80-120	4/10/2012 6:22:00 AM	
Surr: Toluene-d8	3	92.4	%REC			88-110	4/10/2012 6:22:00 AM	

MCL Maximum Contaminant Level Key:

- MDL Minimum Detection Limit
- NA Not Applicable
- ND Not Detected at the PQL or MDL
- PQL Practical Quantitation Limit
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Analyte detected below quantitation limits J

- В Analyte detected in the associated Method Blank
- Е Estimated Value above quantitation range
- Н Holding times for preparation or analysis exceeded

S Spike/Surrogate Recovery exceeds REIC control limits

**Date:** *12-Apr-12* 

\* Value exceeds MCL or Regulatory Limits