BGES, INC.

ENVIRONMENTAL CONSULTANTS

CUSTOM TRUCK
4748 OLD SEWARD HIGHWAY
ANCHORAGE, ALASKA

GROUNDWATER MONITORING REPORT

FEBRUARY 2013

Submitted to: **Custom Truck**
4748 Old Seward Highway
Anchorage Alaska

Submitted by: **BGES, INC.**

1042 East 6th Avenue
Anchorage, Alaska 99501
Ph: (907) 644-2900
Fax: (907) 644-2901

www.BGESINC.com

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ACRONYMS

AAC	-	Alaska Administrative Code
ADEC	-	Alaska Department of Environmental Conservation
AK	-	Alaska Method
AWWU	-	Anchorage Water and Wastewater Utility
BGES	-	Braunstein Geological and Environmental Services
BTEX	-	Benzene, Toluene, Ethylbenzene, and Total Xylenes
C	-	Celsius
CSM	-	Conceptual Site Model
DRO	-	Diesel Range Organics
EPA	-	Environmental Protection Agency
GRO	-	Gasoline Range Organics
HCL	-	Hydrochloric Acid
LOQ	-	Limit of Quantification
mg/L	-	Milligrams per Liter
MRL	-	Method Reporting Limit
PAH	-	Polynuclear Aromatic Hydrocarbons
QC	-	Quality Control
RPD	-	Relative Percent Difference
RRO	-	Residual Range Organics
SGS	-	SGS North America, Inc.
UST	-	Underground Storage Tank
VOCs	-	Volatile Organic Compounds

1.0 INTRODUCTION

BGES, Inc. (BGES) was retained by Kathy Little, former owner of Custom Truck Accessory Center, to conduct groundwater sampling at the Custom Truck Accessory Center site located at 4748 Old Seward Highway, Anchorage, Alaska, (Figure 1). The purpose of this sampling event was to assess the groundwater quality at this site. The fieldwork for this round of sampling (the sixth round of groundwater sampling performed by BGES) was performed on August 29, 30, and 31, and September 13, 2012 in general accordance with the work plan prepared by BGES dated May 20, 2005 and updated in an email correspondence to the Alaska Department of Environmental Conservation (ADEC) Project Manager, Katrina Chambon, dated July 3, 2012. This site is listed in the ADEC Contaminated Sites database as a cleanup-complete institutional controls site (ADEC Hazard ID Number 23658, Event ID Number 404, and File Number 2100.26.252).

2.0 BACKGROUND

The property is located in the central portion of Anchorage, Alaska (Figure 1). The property had previously operated for many years as an automotive dealership that had on-site underground storage tanks (USTs) for fuel needs. Fuel is no longer dispensed at the site, and the tanks were removed in 1994. A one-story building that is operated as an automotive shop and accessory retail store is located on the property. The area west of the building is used for bulk storage of truck tops and auto accessories.

Numerous previous assessments have been performed by various environmental consulting firms at the site, including a 2004 Site Closure Report performed by Chemtrack. On June 14, 2004 the ADEC issued a “No Further Remedial Action Planned” status for this site. In addition, a “Record of Decision” was also issued for the site on the same date. In these documents, it has been indicated that quarterly groundwater monitoring in accordance with an approved work plan must be instituted.

BGES was contracted in 2005 to review the previous work plan and to resume groundwater sampling activities in accordance with the No Further Remedial Action Planned and Institutional Control Record of Decision documentation. This report documents the results of the latest round of groundwater sampling completed in August and September of 2012.

3.0 PREVIOUS SITE WORK

Two 5,000-gallon UST's, reportedly containing gasoline, were removed from the ground in 1994. Hydrocarbon contamination was observed in soils near the USTs and associated piping. In addition to removing the USTs, the excavation reportedly was continued to remove additional contaminated soil. Approximately 280 cubic yards of soil were reportedly removed from the site and treated at an off-site facility. Elevated concentrations of benzene, toluene, ethylbenzene, and xylenes (BTEX) were detected in remaining soils.

Groundwater sampling was first performed by BGES in June of 2005. Wells that were sampled during this sampling event included MW-1, MW-2, MW-5, MW-8, MW-11, MW-12, B6/VE, and the Tap Well (facility well). The results indicated contaminant concentrations exceeding the following ADEC cleanup criteria: gasoline range organics (GRO) in Monitoring Wells MW-1, MW-2, MW-8, and B6/VE; diesel range organics (DRO) in MW-1, MW-2, and B6/VE; benzene in MW-1, MW-2, MW-5, MW-8, MW-12, and B6/VE; toluene in MW-1, MW-2, and B6/VE; ethylbenzene in MW-1, MW-2, and B6/VE; and, total xylenes in MW-2. The water sample collected from the Tap Well (facility well) did not exhibit any analyte concentrations above the laboratory's method reporting limit (MRL) and the ADEC cleanup criteria.

Groundwater sampling was performed again by BGES in August of 2005. Monitoring wells that were sampled during this sampling event included MW-1, MW-2, MW-3, MW-5, B6/VE, MW-8, MW-9, MW-10, MW-11, MW-12, and MW-15. The results indicated contaminant concentrations exceeding the following ADEC cleanup criteria: GRO in MW-1, MW-2, MW-5, MW-8, MW-15, and B6/VE; DRO in MW-1, MW-2, MW-5, MW-11, MW-15, and B6/VE; residual range organics (RRO) in MW-1, MW-2, MW-5, B6/VE, MW-9, MW-11, MW-12, and MW-15; benzene in MW-1, MW-2, MW-5, B6/VE, MW-8, MW-11, MW-12, and MW-15.; toluene in MW-1, MW-2, MW-15, and B6/VE; ethylbenzene in MW-1, MW-2, MW-15, and B6/VE; and, total xylenes in MW-2 and MW-15.

Groundwater sampling was performed by BGES in March of 2006. Wells that were sampled during this sampling event included MW-1, MW-2, B6/VE, MW-11, and MW-12. Water samples were analyzed for GRO, DRO, RRO, and BTEX. The results from the March 2006 sampling event indicated that GRO, DRO, RRO, and BTEX concentrations exceeded the ADEC cleanup criteria in Monitoring Wells MW-1, MW-2, and B6/VE (except for total xylenes in B6/VE). Benzene concentrations exceeded the ADEC cleanup criterion in Monitoring Wells MW11 and MW12. Additionally, the RRO concentration in Water Sample MW12 exceeded the ADEC cleanup criterion.

Groundwater sampling was performed by BGES in September of 2006. Wells that were sampled during this sampling event included MW-1, MW-2, B6/VE, MW-5, MW-8, MW-11, MW-12, and the facility well. Water samples were analyzed for GRO, DRO, RRO, and BTEX. The results from the September 2006 sampling event indicated that GRO, DRO, and RRO concentrations exceeded the ADEC cleanup criteria in Monitoring Wells MW-1, MW-2, and B6/VE. Benzene concentrations exceeded the ADEC cleanup criterion in each of the wells sampled, including the facility well. Concentrations of toluene and ethylbenzene exceeded the ADEC cleanup criteria in MW-1 and MW-2. Additionally, the toluene concentration in Water Sample B6/VE exceeded the ADEC cleanup criterion.

Prior to the current monitoring round, groundwater sampling was last performed by BGES in October of 2007. During that round of groundwater sampling, Monitoring Wells MW1, MW2, MW3, MW5, MW8, MW9, MW10, MW11, MW12, MW15, and B6/VE were sampled and analyzed for GRO, DRO, RRO, and BTEX. Additionally, Monitoring Wells MW-2 and MW-102 (duplicate of MW-2) were analyzed for polynuclear aromatic hydrocarbons (PAHs) and volatile organic compounds (VOCs). The results from the October 2007 sampling event indicated that GRO, DRO, RRO, benzene, toluene and ethylbenzene concentrations exceeded the ADEC cleanup criteria in MW-1, MW-2, and B6/VE (except for the RRO concentration in B6/VE). Benzene concentrations exceeded the ADEC cleanup criterion in every well sampled, except for Monitoring Wells MW-3, MW-9, and MW-10. Monitoring Well MW-8 exhibited a GRO concentration that exceeded the ADEC cleanup criterion in addition to the benzene exceedance described above. Monitoring Well MW-15 contained GRO, DRO, benzene, toluene, and ethylbenzene concentrations above the applicable ADEC cleanup criteria. None of the samples analyzed contained xylenes concentrations that exceeded the ADEC cleanup criterion. Two off-site, downgradient wells (MW-11 and MW-12) were tested and exhibited levels of contaminants that exceeded ADEC cleanup criteria.

4.0 AUGUST AND SEPTEMBER 2012 SAMPLING AND ANALYSIS

4.1 Modifications to the Workplan

The following minor modifications to the work plan dated May 20, 2005, which was updated in an email correspondence dated July 3, 2012 occurred for reasons described below:

- The presence of a sheen and petroleum odor was observed during purging activities of Monitoring Wells MW1, MW2, MW3, MW9, MW13, MW14, MW15, and B6VE; therefore, the stabilization parameters (pH, conductivity, oxidation reduction potential, and temperature)

were not collected in these wells to prevent damage to the water quality meter.

- Monitoring Well MW9 was located against the roadway curb, directly in a storm water runoff pathway and was completely covered with water during the first sampling event. To prevent introducing extraneous contamination from surface water runoff, Monitoring Well MW9 was sampled on a later date; September 13, 2012.

- Monitoring Wells MW3 and MW9 required a smaller bladder pump for purging and sampling activities because frost heaving had distorted the effective diameters of these wells.

- An inspection of Monitoring Wells MW9 and MW12 revealed that each well had damaged casings and were missing their steel flush-mounted cover. In addition, MW12 did not have an expandable locking cap to seal off the monitoring well. Each well was repaired on August 30, 2012 by GeoTek Alaska, Inc.

- Monitoring Well MW12 was located in the Old Seward Highway and was missing its flush-mounted steel cover and expandable locking cap during this round of groundwater sampling. Because there was not an expandable locking for MW12, potential contaminant constituents might have entered the well from surface water runoff. Because of the likely potential that surface water runoff entered MW12, a water sample collected during these sampling events would not have been representative of groundwater conditions. Therefore, Katrina Chambon, ADEC Project Manager, approved not collecting a groundwater sample from this well during these sampling activities.

4.2 Water Elevations, Groundwater Monitoring Wells & Facility Well Sampling

BGES collected groundwater samples from a Facility Well and Monitoring Wells MW1, MW2, MW3, MW5, MW8, MW9, MW10, MW11, MW13, MW14, MW15 and B6/VE on August 29, 30 and 31 and September 13, 2012 (Figure 2).

Prior to sample collection, the depth to water and the total depth of each well were measured using an electronic water level indicator; which was decontaminated prior to its use in each well, by washing it in an Alconox (laboratory-grade detergent) solution, followed by a distilled water rinse. Prior to the collection of groundwater samples, the casing volume for each well was calculated. The wells were purged utilizing a positive displacement bladder pump; approximately three to five casing volumes

were removed from each well. During the purging activities, the stabilization parameters (pH, conductivity, oxidation-reduction potential, and temperature) were monitored in wells that did not exhibit a hydrocarbon sheen, utilizing a YSI water quality meter. Upon completion of the purging activities, the groundwater samples were collected with the bladder pump utilizing low-flow sampling techniques. Portions of the samples scheduled for volatiles analyses were collected first by filling laboratory-supplied containers that were preserved with hydrochloric acid (HCL). Care was taken during filling of the containers to ensure that no headspace was left within the containers and that none of the preservative was spilled. One duplicate water sample was collected from Monitoring Well MW1 (labeled MW17) and was submitted "blindly" to the laboratory for analyses. The depth to water, the total depth of the wells, and the water quality parameters are presented in Table 1.

The Facility Well sample was collected directly from the sink faucet in the garage restroom located in the northeast corner of the building. Prior to the collection of the facility well sample, the faucet was turned on and allowed to purge at maximum capacity for approximately 15 minutes in order to purge any water that was present in the water lines prior to sample collection. Upon completion of the purging activities, a water sample was collected from faucet directly into laboratory-supplied sample jars preserved with HCL. Care was taken during filling of the containers to ensure that no headspace was left within the containers and that none of the preservative was spilled.

The sample containers were labeled, placed in a chilled cooler, and transported to SGS North America, Inc. (SGS), an ADEC-approved laboratory for analysis, under standard chain-of-custody protocol. As a quality control measure, a trip blank sample accompanied the water samples scheduled for volatile analyses during the entire sampling and handling process.

BGES also surveyed the top of casings' and ground elevations for each of the existing monitoring wells, except for MW12. The wells were re-surveyed to the nearest vertical 0.01 foot, utilizing a fixed, permanent or semi-permanent reference point. The reference point for the survey was the Mazda sign (west pole) located to the southeast of the property.

Utilizing the surveyed monitoring well elevations and the measured depths to water, the groundwater elevations in each monitoring wells were calculated. Then, the calculated groundwater elevations for the subject property were utilized to create a groundwater elevation contour map which suggests that general groundwater flow direction at the site was to the southeast (Figure 3). The groundwater flow direction was 0.042 foot per linear foot in the northwest portion of the site and 0.0046 foot per linear

foot in the southeast portion at the site. The depth to water, the total depth of the wells, the water quality parameters, and the calculated water elevations are presented in Table 1.

Investigation-derived waste generated (purge water) was separated by monitoring well and containerized in fifteen, 4-gallon buckets. The investigation-derived wastes were stored outside in the yard of the facility under a large blue tarp. Each 4-gallon bucket was clearly labeled with the BGES contact information and a description of the contents. The field notes for these groundwater monitoring activities are included in Appendix A.

5.0 EVALUATION OF LABORATORY DATA

Laboratory analysis of the water samples were performed by SGS, an ADEC-approved laboratory. The analytical results for water samples are listed in Table 2 and copies of the laboratory data are included in Appendix B. The analytical results for water sample results were compared to the ADEC Method 2 Cleanup Criteria listed in Alaska Administrative Code (AAC) 75.341—Table C for groundwater.

The samples were analyzed at SGS by the following methods: GRO by Alaska Method (AK) 101; DRO by AK 102; RRO by AK 103; VOCs by Environmental Protection Agency (EPA) Method 524.2; and BTEX by SW8021B.

The water samples collected from the subject property were numbered, for example, MW1-0830, where the prefix MW1 indicates the monitoring well from which the water sample was collected; and 0830 indicates the month and day the sample was collected. For brevity in the text and in the associated figures, these samples are referred to as MW1 with the date omitted. B6/VE is also a monitoring well and is labeled in the same format as described above. Additionally, the Facility Well sample was labeled “Facility Well”, with no prefix but was sampled on August 30, 2012.

Thirteen water samples, including a duplicate sample, were collected from twelve existing Monitoring Wells (MW1, MW2, MW3, MW5, MW8, MW9, MW10, MW11, MW13, MW14, MW15, and B6/VE) at the site. In addition, a drinking water sample was collected from the facility well and labeled “Facility Well.” The water sample collected from the Facility Well did not exhibit any analyte concentrations above the laboratory’s limits of quantitation (LOQ) and did not exceed ADEC cleanup criteria.

The water samples collected from Monitoring Wells MW1 and MW17 (duplicate of MW1) exhibited

concentrations of GRO, benzene, toluene, ethylbenzene, DRO, and RRO, which exceeded their respective ADEC cleanup criteria. The water samples collected from Monitoring Wells MW2, MW13, and MW14 exhibited concentrations of GRO, BTEX, DRO, and RRO, which exceeded their respective ADEC cleanup criteria.

Water Samples MW8 and MW15 exhibited concentrations of benzene, which exceeded the ADEC cleanup criterion. In addition, Water Sample B6/VE exhibited concentrations of GRO, benzene, toluene, DRO, and RRO, which exceeded ADEC cleanup criteria.

Water Samples MW3, MW5, MW9, MW10, MW11, and the Facility Well exhibited analyte concentrations which were below their applicable LOQs and/or ADEC cleanup criteria. Analytical results for the groundwater samples are summarized in Table 2, the laboratory analytical data are included in Appendix B, and the sampling locations are shown on Figure 2.

6.0 LABORATORY DATA QUALITY REVIEW

Data quality was reviewed in accordance with ADEC guidance and standard industry practices. An ADEC laboratory data review checklist was completed for each laboratory work order number, and these checklists are included in Appendix C. Sample analyses were provided by SGS of Anchorage, Alaska. All samples were hand-delivered to SGS by BGES personnel under standard chain-of-custody protocol.

The samples contained the proper preservatives for the requested analyses and no unusual sample conditions were noted by the laboratory. Trip blanks accompanied all volatile samples (GRO, BTEX, and VOCs) through the entirety of the sampling process and delivery to the laboratory. Case narratives were included with all of the laboratory data. Quality Control (QC) failures identified in the case narratives are separated by work order numbers and are described below. The following is a discussion of our evaluation of sample conditions and laboratory procedures for the water samples collected during the August and September 2012 field activities.

Work Order 1124083

The temperature of the sample coolers were measured at the laboratory at the time of receipt to be 6.1° Celsius (C), 6.5° C, and 4.4° C. Thus, two of the coolers had temperatures that were measured at just above the allowable temperature range of 4 degrees +/- 2 degrees C. Because the temperatures of the coolers only exceeded the allowable temperature range by a small amount, it is our opinion that there is

a reduced potential for biological degradation of the contamination and this QC failure does not affect the acceptability of the data for their intended use.

The case narrative for Work Order Number 1124083 (samples collected on August 29, 30, and 31, 2012) noted that there were no QC failures identified by SGS. However, the LOQs for GRO and benzene exceeded the ADEC cleanup criteria for the samples collected from Monitoring Wells MW1, MW17 (duplicate of MW1), and MW-13. The LOQs for GRO, benzene, DRO, and RRO exceeded the ADEC cleanup criteria for the samples collected from Monitoring Wells MW2 and MW-14. Because the specific analytes all had positive detections that exceeded their applicable ADEC cleanup criteria, the elevated LOQs do not affect the interpretation of the data.

The water sample collected from Monitoring Well MW17 was a duplicate of the water sample collected from Monitoring Well MW1 and was collected to evaluate sampling precision. The Relative Percent Differences (RPDs) for all analytes in this sample and duplicate sample were between 2.09 percent and 12.90 percent and were in accordance with ADEC guidelines (less than 30 percent). This indicates acceptable field sampling precision for this sampling event.

Work Order 1124367

The sample cooler arrived at the laboratory within the allowable temperature range of 4 degrees +/- 2 degrees C. The case narrative for Work Order Number 1124367 (samples collected on September 13, 2012) noted that there were no QC failures identified by SGS.

7.0 CONCEPTUAL SITE MODEL

Utilizing on-site observations, historical information, and ADEC guidance documents, BGES has developed a graphical human health conceptual site model (CSM). This CSM depicts potential exposure routes for both human and ecological receptors for the subject property as a whole (Appendix D). Most of the contamination at the property originated from historical underground storage tanks associated with an automotive dealership that had previously operated on the property. The CSM presented in the 2007 Groundwater Sampling Report (December 2007) is still valid and has not been revised.

8.0 CONCLUSIONS

Groundwater elevations were measured in the monitoring wells and are listed in Table 1 and represented on Figure 3. The groundwater flow direction is generally to the southeast. All of the water

samples collected from the groundwater monitoring wells were analyzed for GRO, DRO, RRO, and BTEX. The samples collected from the Facility Well were analyzed for VOCs. The sample collected from the Facility Well did not exhibit any analyte concentrations above laboratory LOQs or ADEC cleanup criteria.

Samples collected from Monitoring Wells MW-1, MW-2, MW-17 (duplicate of MW-2), MW-13, and MW-14 exhibited concentrations of GRO, DRO, RRO, benzene, toluene, and ethylbenzene that exceeded the ADEC cleanup criteria. Water Samples MW-2, MW-13, and MW-14 also had total xylene concentrations that exceeded the ADEC cleanup criterion. MW-8 and MW-15 exhibited benzene concentrations that exceeded the ADEC cleanup criterion. B6VE exhibited GRO, benzene, toluene, DRO, and RRO concentrations that exceeded ADEC cleanup criteria.

One off-site, downgradient well (MW-11) was tested and did not exhibit any analyte concentrations that exceed ADEC cleanup criteria. The water sample collected from Monitoring Well MW11 during the previous groundwater monitoring event, performed in September and October of 2007, exhibited a concentration of benzene at 0.00576 milligrams per liter (mg/L), which was a lower concentration than during the sampling events performed in March and September of 2006, but still exceeded the ADEC cleanup criterion. Monitoring Well MW11 appears to be decreasing in contaminant concentrations. Graphs showing the concentration trends in selected monitoring wells are included in Appendix E.

Monitoring Wells MW3, MW5, MW8, MW9, MW10 and MW11 were significantly less contaminated than Monitoring Wells MW1, MW2, MW13, MW14, MW15 and B6/VE; suggesting that contamination was centrally located around these six monitoring wells during this round of sampling activities. The approximate extent of groundwater contamination is depicted on Figure 2.

Historically, the contaminant trend is declining in almost all wells, except for DRO in MW-1 and MW2 (Table 3). Monitoring Wells MW13 and MW14 were sampled for the first time and exhibited analyte concentrations that were greater than any of the other monitoring wells. Monitoring Wells MW13 and MW14 were centrally situated between MW1, MW2, MW15 and B6/VE, all of which have several contaminant constituents that exceed the ADEC cleanup criteria.

Because of the continuing presence of contaminant concentrations that exceed ADEC cleanup criteria in wells both on and off site, it is recommended that the monitoring wells continue to be monitored on a schedule acceptable to the ADEC, in order to further evaluate the progress of natural attenuation of contaminants at the site. It is recommended that the facility well continue to be sampled at least

annually. It is also recommended that purge water with contaminant concentrations exceeding the Anchorage Water and Wastewater Utility (AWWU) allowable discharge be appropriately disposed. Finally, it is recommended that a copy of this report be provided to the ADEC.

9.0 EXCLUSIONS AND CONSIDERATIONS

This report presents facts, observations, and inferences based on conditions observed during the period of our project activities, and only those conditions that were evaluated as part of our scope of work. Our conclusions are based solely on our observations made and work conducted, and only apply to the immediate vicinities of the locations where water samples were collected. In addition, changes to site conditions may have occurred since the completion of our project activities. These changes may be from the actions of man or nature. Changes in regulations may also impact the interpretation of site conditions. BGES will not disclose our findings to any parties other than our client as listed above, except as directed by our client, or as required by law.

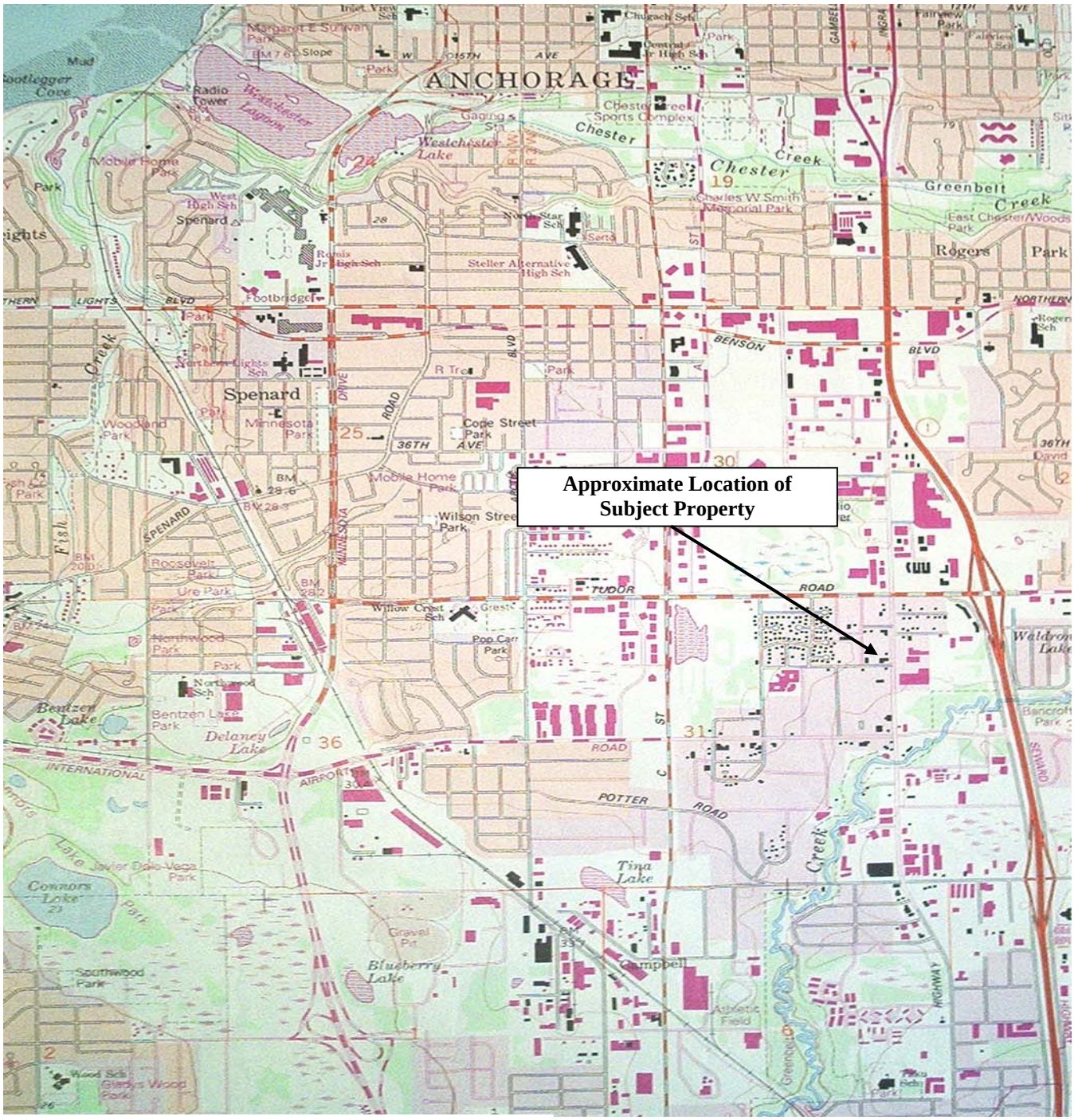
This report was prepared by Joshua Barsis, Environmental Scientist with BGES. Mr. Barsis has conducted several site characterization and remedial projects in south central Alaska. This report was reviewed by Robert N. Braunstein, C.P.G., Principal Geologist of BGES. Mr. Braunstein has more than 30 years of geological/environmental consulting experience and has conducted and managed thousands of environmental projects involving site characterization and remediation efforts throughout Alaska and the lower 48 states.

Prepared By:

Joshua Barsis
Environmental Scientist

Reviewed By:

Robert N. Braunstein, C.P.G
Principal Geologist



Source: USGS Map, Anchorage (A-8) NW, Alaska 1979, Revised 1994.

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BGES

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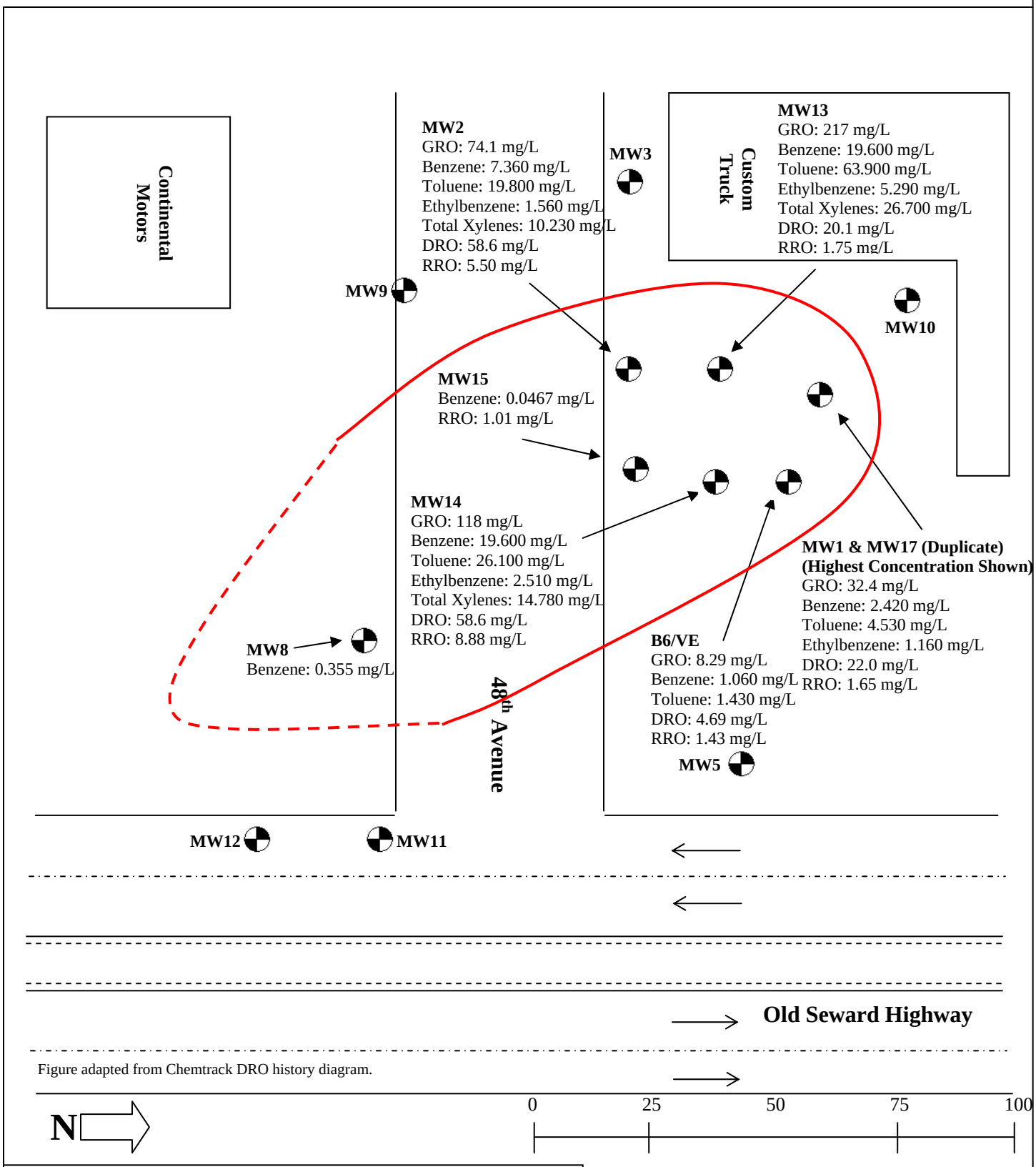
Approximate Scale in Miles

4748 Old Seward Highway Anchorage, Alaska **Property Vicinity Map**		
BGES, INC.	**February 2013**	**Figure 1**



LEGEND

= Monitoring Well Location and Sampling Results

= Traffic Pattern

= Approximate extent of contamination exceeding the ADEC cleanup criterion

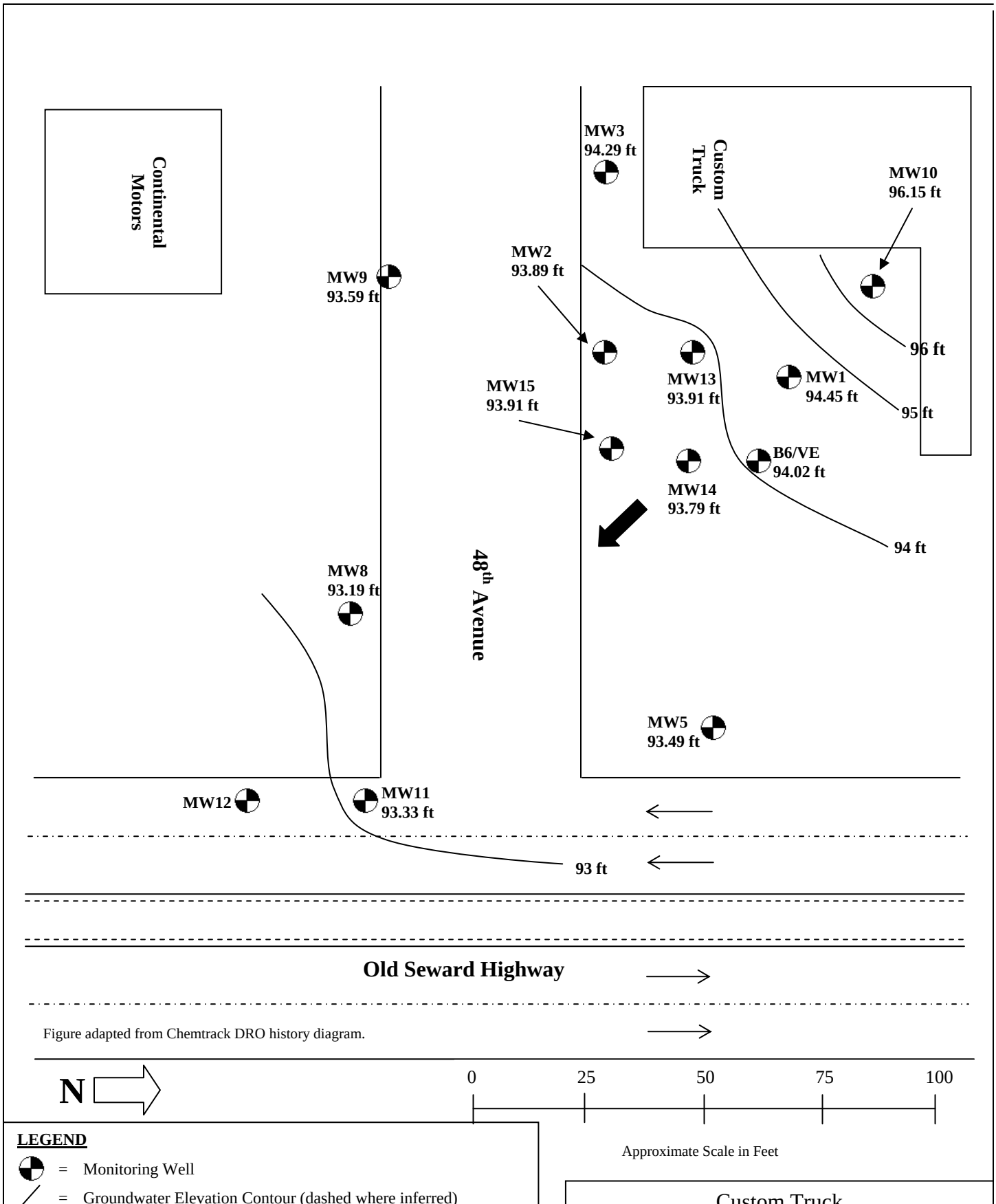
= Inferred perimeter of benzene contamination exceeding the ADEC cleanup criterion

mg/L = Milligrams/Liter

Note: Only concentrations exceeding ADEC cleanup criteria are shown.

Custom Truck
4748 Old Seward Highway
Anchorage, Alaska
Monitoring Well Locations and Sampling Results

BGES, INC.	February 2013	Figure 2



LEGEND

= Monitoring Well

= Groundwater Elevation Contour (dashed where inferred)

= Groundwater Flow Direction

Notes:

- Water elevations are noted in bold next to each monitoring well number.
- The hydraulic gradient is approximately 0.042 foot per linear foot in the northwest and 0.0046 foot per linear foot in the southeast. Groundwater is moving in a southeasterly direction.

Custom Truck
4748 Old Seward Highway
Anchorage, Alaska
Groundwater Elevation Contour Map

BGES, INC.	February 2013	Figure 3

TABLE 1
4748 OLD SEWARD HIGHWAY
ANCHORAGE, ALASKA
MONITORING WELL SAMPLING DATA

BGES, INC.

Well Number	MW1	MW2	MW3	MW5	MW8
Date Sampled	08/30/12	08/30/12	08/31/12	08/29/12	08/29/12
Date of Depth and Elevation Measurement	08/29/12	08/29/12	08/29/12	08/29/12	08/29/12
Time of Depth to Water Measurement	8:10	7:40	8:00	9:00	9:15
Time Sample Collected	19:45	13:45	9:30	11:45	19:45
Top of Casing Elevation (feet)	102.65	99.89	100.02	101.19	99.62
Depth to Water (feet below top of casing)	8.20	6.00	5.73	7.70	6.43
Water Elevation (feet)	94.45	93.89	94.29	93.49	93.19
Total Depth of Well (feet below top of casing)	21.80	13.60	9.20	13.10	15.20
Well Casing Diameter (Inches)	2	2	2	2	2
Standing Water Well Volume (gallons)	2.22	1.24	0.57	0.88	1.43
Purge Volume-Actual (gallons)	7.0	4.0	4.0	3.0	4.5
Temperature (degrees Celsius)	NA	NA	NA	13.4/12.1/11.3/11.1	12.4
pH (standard units)	NA	NA	NA	6.4/6.28/6.22/6.3	6.90
Conductivity (millisiemans per centimeter)	NA	NA	NA	477/442/570/519	463.00
Oxidation Reduction Potential (ORP)	NA	NA	NA	-39/-33/-15/-15	-87.00
Notes:	Water quality	Water quality	Water quality		A petroleum odor was
	parameters were	parameters were	parameters were		observed in this well
	not collected for	not collected for	not collected for		during purging
	this well because a	this well because a	this well because a		activities; therefore,
	petroleum sheen	petroleum sheen	petroleum sheen		the collection of water
	and odor were	and odor were	and odor were		quality parameters
	observed during	observed during	observed during		were not continued
	purging activities	purging activities	purging activities		after the first well
					volume.
Values separated by / indicate readings for					
successive well volumes removed					
Sampler: J. Barsis					
Field parameters measured with a YSI water quality meter.					
Weather conditions on August 29 and					
September 13, 2012 consisted of blue skies with					
an ambient temperature of approximately 60					
degrees Fahrenheit. Weather conditions on					
August 30 and 31, 2012 consisted of rain with					
an ambient temperature of 50 degrees					
Fahrenheit.					

TABLE 1 **BGES, INC.**

4748 OLD SEWARD HIGHWAY

ANCHORAGE, ALASKA

MONITORING WELL SAMPLING DATA

Well Number	MW9	MW10	MW11	MW13	MW14	MW15	B6/VE
Date Sampled	09/13/12	08/29/12	08/30/12	08/30/12	08/30/12	08/29/12	08/30/12
Date of Depth and Elevation Measurement	08/29/12	08/29/12	08/29/12	08/29/12	08/29/12	08/29/12	08/29/12
Time of Depth to Water Measurement	15:00	9:10	7:30	8:05	7:45	9:25	7:55
Time Sample Collected	17:00	13:15	10:15	18:40	17:00	20:45	18:30
Top of Casing Elevation (feet)	99.69	103.35	98.73	101.51	101.39	99.81	101.92
Depth to Water (feet below top of casing)	6.10	7.20	5.40	7.60	7.60	5.90	7.90
Water Elevation (feet)	93.59	96.15	93.33	93.91	93.79	93.91	94.02
Total Depth of Well (feet below top of casing)	14.00	15.20	14.00	11.80	13.15	10.70	14.33
Well Casing Diameter (Inches)	2	2	2	2	2	2	4
Standing Water Well Volume (gallons)	1.29	1.31	1.40	0.69	0.91	0.78	1.05
Purge Volume-Actual (gallons)	3.9	4.0	4.5	2.5	3.0	3.0	4.5
Temperature (degrees Celsius)	N/A	16.8/16.3/19.2/17.3	12.6/11.7/11.5	NA	NA	NA	NA
pH (standard units)	N/A	6.52/6.42/6.83/6.87	7.35/6.8/6.57	NA	NA	NA	NA
Conductivity (millisiemans per centimeter)	N/A	585/594/621/401	335/346/64.2	NA	NA	NA	NA
Oxidation Reduction Potential (ORP)	N/A	65/55.3/-36/-40	-97.2/-76/-70	NA	NA	NA	NA
Notes:	Water quality			Water quality	Water quality	Water quality	Water quality
	parameters were			parameters were	parameters were	parameters were	parameters were
	not collected for			not collected for	not collected for	not collected for	not collected for
	this well because a			this well because a	this well because a	this well because a	this well because a
	petroleum sheen			petroleum sheen	petroleum sheen	petroleum sheen	petroleum sheen
	and odor were			and odor were	and odor were	and odor were	and odor were
	observed during			observed during	observed during	observed during	observed during
	purging activities			purging activities	purging activities	purging activities	purging activities
Values separated by / indicate readings for							
successive well volumes removed							
Sampler: J. Barsis							
Field parameters measured with a YSI water quality meter.							
Weather conditions on August 29 and							
September 13, 2012 consisted of blue skies with							
an ambient temperature of approximately 60							
degrees Fahrenheit. Weather conditions on							
August 30 and 31, 2012 consisted of rain with							
an ambient temperature of 50 degrees							
Fahrenheit.							

TABLE 2
4748 OLD SEWARD HIGHWAY
ANCHORAGE, ALASKA
ANALYTICAL RESULTS - WATER (AUGUST AND SEPTEMBER 2012)

Water Sample No.	Parameter	Results (mg/L)	LOQ (mg/L)	ADEC Soil Cleanup Criterion (mg/L)	Analytical Method
MW1-0830	Gasoline Range Organics	**32.4**	*5.00*	2.2	AK101
	Benzene	**2.420**	*0.0250*	0.005	SW8021B
	Toluene	**4.530**	0.0500	1	SW8021B
	Ethylbenzene	**1.160**	0.0500	0.7	SW8021B
	Total Xylenes	7.910	0.100	10	SW8021B
	Diesel Range Organics	**22.0**	1.20	1.5	AK102
	Residual Range Organics	**1.45**	0.500	1.1	AK103
MW17-0830					
(Duplicate of MW1-0830)					
RPD = 6.37%	Gasoline Range Organics	**30.4**	*5.00*	2.2	AK101
RPD = 2.09%	Benzene	**2.370**	*0.0250*	0.005	SW8021B
RPD = 7.56%	Toluene	**4.200**	0.0500	1	SW8021B
RPD = 6.22%	Ethylbenzene	**1.090**	0.0500	0.7	SW8021B
RPD = 5.06%	Total Xylenes	7.520	0.100	10	SW8021B
RPD = 4.65%	Diesel Range Organics	**21.0**	1.20	1.5	AK102
RPD = 12.90%	Residual Range Organics	**1.65**	0.500	1.1	AK103
MW2-0830	Gasoline Range Organics	**74.1**	*5.00*	2.2	AK101
	Benzene	**7.360**	*0.0250*	0.005	SW8021B
	Toluene	**19.800**	0.100	1	SW8021B
	Ethylbenzene	**1.560**	0.0500	0.7	SW8021B
	Total Xylenes	**10.230**	0.100	10	SW8021B
	Diesel Range Organics	**58.6**	*2.40*	1.5	AK102
	Residual Range Organics	**5.50**	*2.00*	1.1	AK103
MW3-0831	Gasoline Range Organics	ND	0.100	2.2	AK101
	Benzene	ND	0.000500	0.005	SW8021B
	Toluene	ND	0.00100	1	SW8021B
	Ethylbenzene	ND	0.00100	0.7	SW8021B
	Total Xylenes	ND	0.00200	10	SW8021B
	Diesel Range Organics	ND	0.600	1.5	AK102
	Residual Range Organics	0.556	0.500	1.1	AK103
MW5-0829	Gasoline Range Organics	ND	0.100	2.2	AK101
	Benzene	0.00113	0.000500	0.005	SW8021B
	Toluene	ND	0.00100	1	SW8021B
	Ethylbenzene	ND	0.00100	0.7	SW8021B
	Total Xylenes	ND	0.00200	10	SW8021B
	Diesel Range Organics	ND	0.600	1.5	AK102
	Residual Range Organics	0.974	0.500	1.1	AK103
MW8-0829	Gasoline Range Organics	0.790	0.500	2.2	AK101
	Benzene	**0.355**	0.00250	0.005	SW8021B
	Toluene	ND	0.00500	1	SW8021B
	Ethylbenzene	ND	0.00500	0.7	SW8021B
	Total Xylenes	ND	0.0100	10	SW8021B
	Diesel Range Organics	ND	0.600	1.5	AK102
	Residual Range Organics	0.506	0.500	1.0	AK103
MW9-0913	Gasoline Range Organics	ND	0.100	2.2	AK101
	Benzene	ND	0.00500	0.005	SW8021B
	Toluene	ND	0.00100	1	SW8021B
	Ethylbenzene	ND	0.00100	0.7	SW8021B
	Total Xylenes	ND	0.00200	10	SW8021B
	Diesel Range Organics	ND	0.600	1.5	AK102
	Residual Range Organics	ND	0.500	1.1	AK103

TABLE 2
4748 OLD SEWARD HIGHWAY
ANCHORAGE, ALASKA
ANALYTICAL RESULTS - WATER (AUGUST AND SEPTEMBER 2012)

Soil Sample No.	Parameter	Results (mg/L)	LOQ (mg/L)	ADEC Soil Cleanup Criterion (mg/L)[1]	Analytical Method
MW10-0829	Gasoline Range Organics	ND	0.100	2.2	AK101
	Benzene	ND	0.000500	0.005	SW8021B
	Toluene	ND	0.00100	1	SW8021B
	Ethylbenzene	ND	0.00100	0.7	SW8021B
	Total Xylenes	ND	0.00200	10	SW8021B
	Diesel Range Organics	ND	0.612	1.5	AK102
	Residual Range Organics	ND	0.510	1.1	AK103
MW11-0830	Gasoline Range Organics	ND	0.100	2.2	AK101
	Benzene	ND	0.000500	0.005	SW8021B
	Toluene	ND	0.00100	1	SW8021B
	Ethylbenzene	ND	0.00100	0.7	SW8021B
	Total Xylenes	ND	0.00200	10	SW8021B
	Diesel Range Organics	ND	0.600	1.5	AK102
	Residual Range Organics	0.601	0.500	1.1	AK103
MW13-0830	Gasoline Range Organics	**217**	*10.0*	2.2	AK101
	Benzene	**19.600**	*0.0500*	0.005	SW8021B
	Toluene	**63.900**	0.500	1	SW8021B
	Ethylbenzene	**5.290**	0.100	0.7	SW8021B
	Total Xylenes	**26.700**	0.200	10	SW8021B
	Diesel Range Organics	**20.1**	1.20	1.5	AK102
	Residual Range Organics	**1.75**	0.500	1.1	AK103
MW14-0830	Gasoline Range Organics	**118**	*10.0*	2.2	AK101
	Benzene	**19.600**	*0.0500*	0.005	SW8021B
	Toluene	**26.100**	0.200	1	SW8021B
	Ethylbenzene	**2.510**	0.100	0.7	SW8021B
	Total Xylenes	**14.780**	0.200	10	SW8021B
	Diesel Range Organics	**58.6**	*2.40*	1.5	AK102
	Residual Range Organics	**8.88**	*2.00*	1.1	AK103
MW15-0829	Gasoline Range Organics	1.33	0.100	2.2	AK101
	Benzene	**0.0467**	0.000500	0.005	SW8021B
	Toluene	0.0514	0.00100	1	SW8021B
	Ethylbenzene	0.0229	0.00100	0.7	SW8021B
	Total Xylenes	0.1119	0.00200	10	SW8021B
	Diesel Range Organics	1.03	0.600	1.5	AK102
	Residual Range Organics	1.01	0.500	1.1	AK103
B6/VE-0830	Gasoline Range Organics	**8.29**	1.00	2.2	AK101
	Benzene	**1.060**	0.00500	0.005	SW8021B
	Toluene	**1.430**	0.0100	1	SW8021B
	Ethylbenzene	0.122	0.0100	0.7	SW8021B
	Total Xylenes	1.139	0.0200	10	SW8021B
	Diesel Range Organics	**4.69**	0.600	1.5	AK102
	Residual Range Organics	**1.43**	0.500	1.1	AK103
FACILITY WELL	Benzene	ND	0.000500	0.005	EPA 524.2
(Collected 8/30/12)	Toluene	ND	0.000500	1	EPA 524.2
	Ethylbenzene	ND	0.000500	0.7	EPA 524.2
	Total Xylenes	ND	0.00100	10	EPA 524.2
	All Other VOCs	ND	Varies	Varies	EPA 524.2

[1] = Groundwater cleanup criteria based on 18 AAC 75.345 Table C; April 12, 2012

ADEC = Alaska Department of Environmental Conservation;

mg/L = milligrams per Liter; LOQ = Limit of Quantitation; RPD = relative percent difference; VOCs = volatile organic compounds

Italics = LOQ exceeded applicable cleanup criterion.

BOLD = indicates concentration exceeded applicable cleanup criterion.

Table 3
4748 OLD SEWARD HIGHWAY
ANCHORAGE, ALASKA
HISTORICAL GROUNDWATER SAMPLING ANALYTICAL RESULTS

Well No.	Date Collected: / Parameter	Jan-95 (mg/L)	Jul-95 (mg/L)	Mar-96 (mg/L)	Dec-96 (mg/L)	Nov-99 (mg/L)	Aug-00 (mg/L)	Nov-00 (mg/L)	Jun-02 (mg/L)	Nov-02 (mg/L)	Jul-03 (mg/L)	Jan-04 (mg/L)	Jun-05 (mg/L)	Aug-05 (mg/L)	Mar-06 (mg/L)	Sept-06 (mg/L)	Oct-07 (mg/L)	Sep-12 (mg/L)	Analytical Method	ADEC Method Two Groundwater Cleanup Level (mg/L)[1]
MW-01	GRO	**97.6**	NS	NS	**66.9**	NS	**14.5**	NS	**48**	NS	NS	NS	**30.600**	**53.300**	**54.400**	**28.100**	**50.400**	**32.4**	AK101	1.3
	DRO	NS	NS	NS	**2.45**	NS	NS	NS	**17**	NS	NS	NS	**21.3**	**37.200**	**19.3**	**20.1**	**28.2**	**22**	AK102	1.5
	RRO	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**<5.05**	**2.08**	**1.87**	**1.46**	**1.45**	AK103	1.1
	Benzene	**14.6**	NS	NS	**11**	NS	**1.49**	NS	**4.7**	NS	NS	NS	**3.140**	**5.540**	**7.010**	**0.109**	**3.210**	**2.42**	SW8021b	0.005
	Toluene	**27.6**	NS	NS	**16.8**	NS	**1.68**	NS	**8.4**	NS	NS	NS	**6.770**	**12.300**	**17.100**	**8.940**	**8.930**	**4.53**	SW8021b	1.0
	Ethylbenzene	**2.79**	NS	NS	**2.23**	NS	0.41	NS	**1.1**	NS	NS	NS	**0.945**	**1.490**	**2.420**	**1.080**	**1.100**	**1.16**	SW8021b	0.7
	Total Xylenes	**14.8**	NS	NS	**11.63**	NS	2.15	NS	6.1	NS	NS	NS	5.540	9.380	**14.120**	7.400	7.800	7.91	SW8021b	10.0
MW-02	GRO	**156**	**108**	NS	**152**	NS	**58.5**	**162**	**89.5**	NS	**88.400**	NS	**111.000**	**107.000**	**121.000**	**41.000**	**37.20**	**74.1**	AK101	1.3
	DRO	NS	NS	NS	**9.81**	NS	NS	NS	**16.3**	NS	**58**	NS	**56.0**	**74.300**	**70.2**	**70.1**	**27.30**	**58.6**	AK102	1.5
	RRO	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**<5.00**	**5.63**	**9.89**	**1.53**	**5.5**	AK103	1.1
	Benzene	**32.8**	**20.7**	NS	**25.8**	NS	**5.23**	**28.5**	**10.4**	NS	**10.2**	NS	**19.800**	**19.700**	**19.000**	**12.300**	**2.49**	**7.36**	SW8021b	0.005
	Toluene	**44**	NS	NS	**36.7**	NS	**7.48**	**28.7**	**10.6**	NS	**10.2**	NS	**26.500**	**23.100**	**31.800**	**20.200**	**6.68**	**19.8**	SW8021b	1.0
	Ethylbenzene	**3.4**	NS	NS	**4.4**	NS	**1.4**	**2.5**	**1.3**	NS	**10.2**	NS	**2.190**	**2.230**	**2.810**	**1.670**	**0.82**	**1.56**	SW8021b	0.7
	Total Xylenes	**17.5**	NS	NS	**21.9**	NS	9.47	**13.45**	7.5	NS	**10.2**	NS	**10.550**	**10.860**	**14.190**	9.500	4.950	**10.23**	SW8021b	10.0
	Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.042	NS	8270C	0.7
	2-Methylnaphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.013	NS	8270C	0.78
	1-Methylnaphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.0062	NS	8270C	1.5
	Acenaphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.000032	NS	8270C	2.2
	Acenaphthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.000026	NS	8270C	2.2
	Fluorene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.000069	NS	8270C	1.46
	Phenanthrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.000051	NS	8270C	11.0
	Anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.0000097	NS	8270C	11.0
	Fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.000016	NS	8270C	1.46
	Pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.000020	NS	8270C	1.1
	Benzo[a]anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.000019	NS	8270C	--
	All other analytes	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	NS	8270C	varies
MW-03	GRO	<MRL	NS	NS	NS	NS	<MRL	NS	<MRL	NS	NS	NS	NS	<0.090	NS	NS	<0.0500	ND	AK101	1.3
	DRO	NS	NS	NS	NS	NS	NS	NS	0.41	NS	NS	NS	NS	0.333	NS	NS	<0.407	ND	AK102	1.5
	RRO	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.764	NS	NS	<0.407	0.556	AK103	1.1
	Benzene	<MRL	NS	NS	NS	NS	<MRL	NS	<MRL	NS	NS	NS	NS	<0.0005	NS	NS	<0.0005	ND	SW8021b	0.005
	Toluene	<MRL	NS	NS	NS	NS	<MRL	NS	0.0008	NS	NS	NS	NS	<0.002	NS	NS	<0.0005	ND	SW8021b	1.0
	Ethylbenzene	<MRL	NS	NS	NS	NS	NS	NS	<MRL	NS	NS	NS	NS	<0.002	NS	NS	<0.0005	ND	SW8021b	0.7
	Total Xylenes	<MRL	NS	NS	NS	NS	<MRL	NS	<MRL	NS	NS	NS	NS	<0.002	NS	NS	<1.50	ND	SW8021b	10.0
MW-05	GRO	0.244	0.287	0.462	0.303	0.7	<MRL	0.148	NS	NS	NS	NS	0.938	**2.200**	NS	0.456	0.121	ND	AK101	1.3
	DRO	NS	NS	NS	0.39	NS	NS	NS	NS	NS	NS	NS	0.603	**1.24**	NS	0.700	<0.407	ND	AK102	1.5
	RRO	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**1.79**	NS	0.865	<0.407	0.974	AK103	1.1
	Benzene	**0.13**	**0.18**	**0.243**	**0.157**	**0.272**	**0.011**	**0.079**	NS	NS	NS	NS	**0.467**	**1.170**	NS	**0.180**	**0.0119**	0.00113	SW8021b	0.005
	Toluene	<MRL	NS	<MRL	<MRL	<MRL	<MRL	<MRL	NS	NS	NS	NS	<MRL	<0.020	NS	0.00450	0.000861	ND	SW8021b	1.0
	Ethylbenzene	<MRL	NS	<MRL	<MRL	<MRL	<MRL	<MRL	NS	NS	NS	NS	0.00236	<0.020	NS	ND	<0.0005	ND	SW8021b	0.7
	Total Xylenes	<MRL	NS	<MRL	<MRL	<MRL	<MRL	<MRL	NS	NS	NS	NS	0.00586	<0.020	NS	0.02128	0.00204	ND	SW8021b	10.0
B6VE	GRO	**20.7**	**23**	**13.5**	**18.6**	**24**	**42.1**	**25.9**	**15**	NS	NS	NS	**50.700**	**57.900**	**27.400**	**40.600**	**54.600**	**8.290**	AK101	1.3
	DRO	NS	NS	NS	**2.52**	NS	NS	NS	**1.6**	NS	NS	NS	**20.1**	**20.100**	**90.0**	**10.80**	**15.6**	**4.690**	AK102	1.5
	RRO	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**9.630**	**1.93**	**2.01**	1.02	**1.430**	AK103	1.1
	Benzene	**1.53**	**3.11**	**1.34**	**2.29**	**1.75**	**3.82**	**2.5**	**1.69**	NS	NS	NS	**4.540**	**7.660**	**2.020**	**0.0939**	**3.880**	**1.060**	SW8021b	0.005
	Toluene	**3.74**	NS	**2.21**	**4**	**3.12**	**4.48**	**3.16**	**1.9**	NS	NS	NS	**9.980**	**12.500**	**5.660**	**9.450**	**9.190**	**1.430**	SW8021b	1.0
	Ethylbenzene	NS	NS	NS	NS	NS	NS	NS	0.231	NS	NS	NS	**1.440**	**1.090**	**1.070**	0.555	**1.100**	0.122	SW8021b	0.7
	Total Xylenes	3.51	NS	2.2	2.3	2.9	3.36	2.9	1.5	NS	NS	NS	7.220	8.810	5.240	6.730	5.950	1.139	SW8021b	10.0
MW-08	GRO	**3.45**	**3.92**	**9.89**	NS	**1.8**	1.2	**5.3**	**9.5**	NS	0.8	NS	**2.070**	**4.220**	NS	0.577	**4.280**	0.79	AK101	1.3
	DRO	NS	NS	NS	NS	NS	NS	NS	**14.4**	**2.06**	<MRL	NS	0.558	<0.306	NS	ND	<0.394	ND	AK102	1.5
	RRO	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<0.510	NS	ND	<0.394	0.506	AK103	1.1
	Benzene	**1.51**	**2.49**	**4.91**	NS	**0.69**	**0.5**	**2.31**	**3.6**	NS	**0.33**	NS	**1.090**	**2.180**	NS	**0.165**	**1.450**	**0.355**	SW8021b	0.005
	Toluene	0.0027	NS	NS	NS	NS	NS	NS	0.016	NS	0.0008	NS	0.00285	<0.020	NS	0.0452	<0.025	ND	SW8021b	1.0
	Ethylbenzene	0.004	NS	0.1	<MRL	<MRL	<MRL	<MRL	0.021	NS	<MRL	NS	<MRL	<0.020	NS	0.00415	<0.025	ND	SW8021b	0.7
	Total Xylenes	0.007	NS	0.23	<MRL	<MRL	<MRL	<MRL	0.34	NS	<MRL	NS	0.0147	0.0256	NS	0.0539	<0.075	ND	SW8021b	10.0

GRO = Gasoline Range Organics DRO = Diesel Range Organics NS = Not Sampled ND = Not Detected NA = Not Analyzed
<MRL = Value less than Method Reporting Limit. mg/L = miligrams per Liter VOCs = Volatile Organic Compunds
BOLD = Value exceeds ADEC cleanup threshold. [1] Groundwater cleanup thresholds based on 18AAC 75.345 Table C.

Table 3
4748 OLD SEWARD HIGHWAY
ANCHORAGE, ALASKA
HISTORICAL GROUNDWATER SAMPLING ANALYTICAL RESULTS

Well No.	Date Collected: / Parameter	Jan-95 (mg/L)	Jul-95 (mg/L)	Mar-96 (mg/L)	Dec-96 (mg/L)	Nov-99 (mg/L)	Aug-00 (mg/L)	Nov-00 (mg/L)	Jun-02 (mg/L)	Nov-02 (mg/L)	Jul-03 (mg/L)	Jan-04 (mg/L)	Jun-05 (mg/L)	Aug-05 (mg/L)	Mar-06 (mg/L)	Sept-06 (mg/L)	Oct-07 (mg/L)	Sep-12 (mg/L)	Analytical Method	ADEC Method Two Groundwater Cleanup Level (mg/L)
MW-09	GRO	<MRL	NS	NS	NS	NS	<MRL	NS	<MRL	NS	NS	NS	NS	<0.090	NS	NS	<0.050	ND	AK101	1.3
	DRO	NS	NS	NS	NS	NS	NS	NS	0.44	NS	NS	NS	NS	0.798	NS	NS	<0.407	ND	AK102	1.5
	RRO	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**1.23**	NS	NS	<0.407	ND	AK103	1.1
	Benzene	<MRL	NS	NS	NS	NS	<MRL	NS	<MRL	NS	NS	NS	NS	<0.0005	NS	NS	<0.0005	ND	SW8021b	0.005
	Toluene	<MRL	NS	NS	NS	NS	<MRL	NS	<MRL	NS	NS	NS	NS	<0.002	NS	NS	<0.0005	ND	SW8021b	1.0
	Ethylbenzene	<MRL	NS	NS	NS	NS	<MRL	NS	<MRL	NS	NS	NS	NS	<0.002	NS	NS	<0.0005	ND	SW8021b	0.7
	Total Xylenes	<MRL	NS	NS	NS	NS	<MRL	NS	<MRL	NS	NS	NS	NS	<0.002	NS	NS	<0.0015	ND	SW8021b	10.0
MW-10	GRO	NS	NS	NS	<MRL	NS	<MRL	<MRL	<MRL	NS	NS	NS	NS	<0.090	NS	NS	<0.050	ND	AK101	1.3
	DRO	NS	NS	NS	0.39	NS	NS	NS	0.32	NS	NS	NS	NS	<0.303	NS	NS	<0.391	ND	AK102	1.5
	RRO	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<0.505	NS	NS	<0.391	ND	AK103	1.1
	Benzene	NS	NS	NS	<MRL	NS	<MRL	<MRL	<MRL	NS	NS	NS	NS	<0.0005	NS	NS	<0.0005	ND	SW8021b	0.005
	Toluene	NS	NS	NS	<MRL	NS	<MRL	<MRL	<MRL	NS	NS	NS	NS	<0.002	NS	NS	<0.0005	ND	SW8021b	1.0
	Ethylbenzene	NS	NS	NS	<MRL	NS	<MRL	<MRL	<MRL	NS	NS	NS	NS	<0.002	NS	NS	<0.0005	ND	SW8021b	0.7
	Total Xylenes	NS	NS	NS	<MRL	NS	<MRL	<MRL	<MRL	NS	NS	NS	NS	<0.002	NS	NS	<0.0005	ND	SW8021b	10.0
MW-11	GRO	NS	NS	NS	NS	NS	NS	NS	<MRL	NS	<MRL	<MRL	<MRL	< 0.090	0.233	ND	<0.050	ND	AK101	1.3
	DRO	NS	NS	NS	NS	NS	NS	NS	**3.82**	NS	**1.72**	<MRL	1.16	**2.01**	0.650	0.481	0.759	ND	AK102	1.5
	RRO	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**3.45**	0.945	0.535	**1.79**	0.601	AK103	1.1
	Benzene	NS	NS	NS	NS	NS	NS	NS	<MRL	NS	0.004	<MRL	0.000899	**0.00586**	**0.02280**	**0.0142**	**0.00576**	ND	SW8021b	0.005
	Toluene	NS	NS	NS	NS	NS	NS	NS	0.0027	NS	<MRL	<MRL	<MRL	<0.002	0.0601	ND	<0.0005	ND	SW8021b	1.0
	Ethylbenzene	NS	NS	NS	NS	NS	NS	NS	<MRL	NS	<MRL	<MRL	<MRL	<0.002	0.00659	ND	<0.0005	ND	SW8021b	0.7
	Total Xylenes	NS	NS	NS	NS	NS	NS	NS	<MRL	NS	<MRL	<MRL	<MRL	<0.002	0.03412	ND	<0.0015	ND	SW8021b	10.0
MW-12	GRO	NS	NS	NS	NS	NS	NS	NS	<MRL	NS	0.53	<MRL	0.635	1.170	0.262	0.497	0.035	NS	AK101	1.3
	DRO	NS	NS	NS	0.44	NS	NS	NS	0.44	NS	**1.53**	<MRL	0.498	0.756	0.415	0.588	0.714	NS	AK102	1.5
	RRO	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**2.730**	**1.77**	0.536	1.060	NS	AK103	1.1
	Benzene	NS	NS	NS	NS	NS	NS	NS	<MRL	NS	**0.237**	0.00218	**0.247**	**0.398**	**0.101**	**0.205**	**0.142**	NS	SW8021b	0.005
	Toluene	NS	NS	NS	NS	NS	NS	NS	<MRL	NS	<MRL	<MRL	<MRL	<0.002	0.0322	0.0176	<0.0005	NS	SW8021b	1.0
	Ethylbenzene	NS	NS	NS	NS	NS	NS	NS	<MRL	NS	<MRL	<MRL	<MRL	<0.002	0.00407	0.00260	<0.0005	NS	SW8021b	0.7
	Total Xylenes	NS	NS	NS	NS	NS	NS	NS	<MRL	NS	<MRL	<MRL	<MRL	<0.002	0.02015	0.01967	<0.0015	NS	SW8021b	10.0
MW-13	GRO	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**217**	AK101	1.3
	DRO	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**20.1**	AK102	1.5
	RRO	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**1.75**	AK103	1.1
	Benzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**19.6**	SW8021b	0.005
	Toluene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**63.9**	SW8021b	1.0
	Ethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**5.29**	SW8021b	0.7
	Total Xylenes	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**26.7**	SW8021b	10.0
MW-14	GRO	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**118**	AK101	1.3
	DRO	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**58.6**	AK102	1.5
	RRO	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**8.88**	AK103	1.1
	Benzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**19.6**	SW8021b	0.005
	Toluene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**26.1**	SW8021b	1.0
	Ethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**2.51**	SW8021b	0.7
	Total Xylenes	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**14.78**	SW8021b	10.0
MW-15	GRO	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**86.100**	NS	NS	**56.500**	1.33	AK101	1.3
	DRO	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**14.6**	NS	NS	**4.96**	1.03	AK102	1.5
	RRO	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**1.19**	NS	NS	0.439	**1.010**	AK103	1.1
	Benzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**16.900**	NS	NS	**6.690**	**0.0467**	SW8021b	0.005
	Toluene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**19.800**	NS	NS	**8.630**	0.0514	SW8021b	1.0
	Ethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**2.030**	NS	NS	**1.270**	0.0229	SW8021b	0.7
	Total Xylenes	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**10.010**	NS	NS	6.810	0.1119	SW8021b	10.0
Tap Well (facility well)	GRO	NS	NS	<MRL	NS	<MRL	<MRL	NS	<MRL	NS	NS	NS	<MRL	NS	NS	0.305	NS	NS	AK101	1.3
	DRO	NS	NS	NS	NS	NS	NS	NS	<MRL	NS	NS	NS	<MRL	NS	NS	ND	NS	NS	AK102	1.5
	RRO	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	NS	NS	ND	NS	NS	AK103	1.1
	Benzene	NS	NS	<MRL	NS	<MRL	<MRL	NS	<MRL	NS	NS	NS	ND	NS	NS	**0.0108**	NS	ND	SW8021b[2]	0.005
	Toluene	NS	NS	<MRL	NS	<MRL	<MRL	NS	<MRL	NS	NS	NS	ND	NS	NS	0.0495	NS	ND	SW8021b[2]	1.0
	Ethylbenzene	NS	NS	<MRL	NS	<MRL	<MRL	NS	<MRL	NS	NS	NS	ND	NS	NS	0.00947	NS	ND	SW8021b[2]	0.7
	Total Xylenes	NS	NS	<MRL	NS	<MRL	<MRL	NS	<MRL	NS	NS	NS	ND	NS	NS	0.0613	NS	ND	SW8021b[2]	10.0
	VOCs	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	NS	NS	NA	NS	ND	EPA 524.2	varies

GRO = Gasoline Range Organics DRO = Diesel Range Organics NS = Not Sampled ND = Not Detected NA = Not Analyzed
<MRL = Value less than Method Reporting Limit. mg/L = miligrams per Liter VOCs = Volatile Organic Compunds
BOLD = Value exceeds ADEC cleanup threshold. [1] Groundwater cleanup thresholds based on 18AAC 75.345 Table C. [2] = During the latest round of groundwater sampling activites in 2012, the samples were analyzed by EPA 524.2 analytical method for VOCs

APPENDIX A
FIELD NOTES

8/23/12 - Cloudy, 40°F, No Rain

- Arrive on site 3:30 pm / All wells Diameter 4.5" Plug hole 2"

Joshua Borsis

Inspection of MW-12

- Well is in poor condition, no lid and no plug were noted. Two pictures were taken, No bolt holes accessible, Casing needs replaced

Inspection of MW-11

- Well was in good condition. Lid was in place with 3 bolt holes. two pictures were taken.

Inspection of MW-8

- Well was missing bolts and lid was detached. Plug was destroyed in PVC pipe well hole. Lid required 2 bolts, two pictures taken.

Inspection of MW-9

- Well was missing lid. the plug was in OK condition, not broken. two pictures were taken, well requires 2 bolts & lid. Casing needs replced

JB 8/23/12 4 pm

End

On-Site: Joshua Borsis / Christy Haughey

8/29/12 on site at 9 am

Water levels for:

Well	to water	to ground	Notes
MW5	7.7Ft	13.1Ft	Plug was broken
MW3	5.73ft	9.2ft	Cracked plug
MW10	7.2Ft	15.2ft	Not bolted down
MW8	6.4ft	5.2ft	broken Plug water pool, drain pipe
MW4	6.1Ft	14.0 Ft	No lid / plug good
MW15	5.9Ft	10.7Ft	
MW2	6.0Ft	13.6Ft	No Plug/Not bolted down
MW14	7.6 ft	13.15	Broken plug
MW13	7.6Ft	13.8 Ft	No Plug
BG/VE	7.9ft	14.33	4" pipe / broken plug
MW1	8.2Ft	21.8Ft	
Facility Well	13.2 Ft	17.6 Ft	

Finished water levels at 6:30

Well Sampling order

Well	GRO/BTEX	DRO/RRO	VOC	PICS	time
MW5	✓	✓		✓	11:00
MW3	*	NO PIT		✓	12:15
MW10	✓	✓		✓	12:30
MW8	✓	✓		✓	19:00
MW9	*1	NO PIX		✓	Couldn't get in
MW15	✓	✓		✓	~~19:00~~
MW2	✓	✓		✓	8/30/12
MW14					
MW13					
BG/VE					
MW1					
MW11	✓	✓		✓	8/30/12
Facility gw					

* MW3 pipe ~~appears~~ appears to be either curped or glued at some point. 2" bladder pump does not fit. will have to return later with smaller bladder pump.

leaving Site at 3pm to go to SGS is working at another site. will return later.

End 8/29/12

8/29/12 on site at 18:30

Slightly overcast 5Kts

- Continued Sampling wells MW8 & MW9 & MW15

MW8 had a Petroleum smell so only one parameter was taken, parameter was taken before I noticed the smell. 4 gallons purged before Sampling.

* MW9
- ~~Pipe~~ Pump got stuck about 4 ft down in pipe. It appears that MW9 has a significant amount of debris and will need to be cleaned or get smaller pump

MW15
- water was smelly like petroleum, no Parmaters were take. Must Note to lab possible High Hydrocarbons

End 9:15 pm

8/30/12; Joshua Bussis; overcast 50°F

Water levels for:

MW11
- to water: 5.4
- to ground: 14.0

Signs Crew
- Thomas w/ Alaska Signs

Drilling Crew
- Dimitri & Tyler

MW11
- Water is extremely dirty; waiting to see if water clarity improves before taking parameters.
- Water is clear & no smell at 35 min into purge, will start parameters

Wells completed today
- MW11 / MW12

No parameters on MW2 / MW1 / MW13 / MW14 / MW15 / B6VE
Due to petroleum smell

Survey chart

Reference point = Right Stand of Mazda Sign

Reference well = MW3

Ref: Point = 7.15

Ref: well = 7.53/7.57

Well	Top of Casing	Top of PVC	Notes
MW5	5.96	6.10	
MW3	7.13	7.21	
MW10	3.80	3.92	
MW8	7.53	7.57	
MW4	7.46	8.06	
MW15	7.34	7.50	
MW2	7.26	7.37	
MW14	5.76	5.90	
MW13	5.64	5.76	
B6VE	5.23	5.34	
MW1	4.50	4.78	
MW11	8.42	8.64	
MW12	8.72	9.47	Not Sampling

Bailing

MW1 – Slight sheening / petroleum smell
B6V6 – Slight Sheening / Strong petroleum smell

Well, MW2 is recharging very slow. The well seems to be running dry.

- Facility well would not allow me to pump out water. Pump was ~~Jetting~~ stuck on sediment... couldn't get pump to suck out water
  ↳ Get facility well water from faucet
- Moved on to MW 14
  - Water was foaming, this made it difficult to get a positive Miniscus; small air bubbles were left in sample

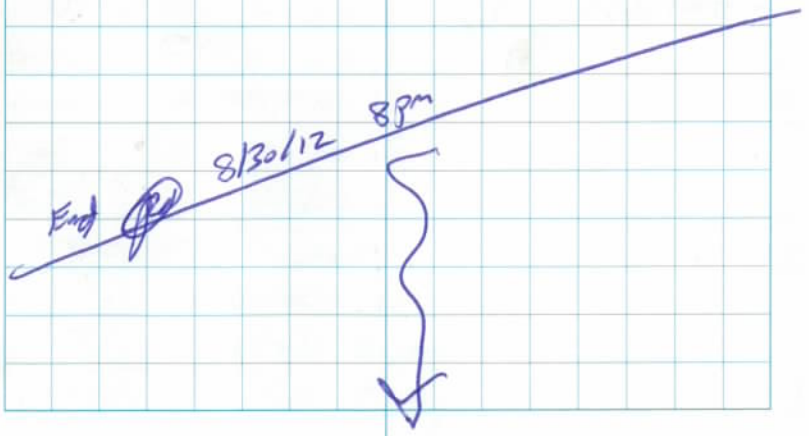
- MW 13/ B6VE/ MW1/ ~~Facility well~~ MW14/ all had either a high hydrocarbon level or a surfactant added which caused a lot of bubbles making it difficult to get a positive Miniscus whithout some left over bubbles.

MW17 (Duplicate)
- Was only able to Fill 2 x 40 mL vials. I ran out.

Notes For MW9 & MW12

- MW12
  - 7 3/4" of PVC was cut off during the Fixing of the well cover

- MW9
  - 6 7/8" of PVC was cut off during the Fixing of the well cover.



8/31/12 / Joshua Boggs / Raining 50°F / on site 8:30

Todays goal for the Field	Completed (✓)
• Finish wells MW9	
• Finish wells MW3	✓
• Recalculate water level for MW9	
• Create summary table.	

MW9

-water level: Can't do MW9 because
-total depth: water level is above well
-No way to access well without flooding well.

MW3

- water level has risen due to rain
- water level: 1.1
- total depth: 9.2

Documentation of previous contamination left From previous BGES testing.

ID	W/S	Date	Gal	Notes
MW2	W	10/3/07	5	Buckets are inside. All appear to be water. Some buckets are full, others are almost empty Feeling.
MW10	W	10/3/07	5	
MW15	W	10/3/07	5	
MW1	W	10/3 07	5	
MW1	W	NA	5	
MW2	W	10/3/07	5	
MW14	W	10/3/07	5	
MW14	W	10/3/07	5	
BG/VE	W	10/3/07	5	
MW8	W	10/3/07	5	
BG/VE	W	10/3/07	5	
MW11	W	9/14/07	5	
MW5	W	10/3/07	5	
BG/VE	W	10/3/07	5	
MW12	W	9/14/07	5	
MW3	W	10/3/07	5	
MW9	W	10/3/07	5	

Outside: 13 Buckets (labels are washed off)
6 Green Buckets
7 white Buckets

1 trash can Full of soil

1 huge drum of water (Salvage drum)
-Not sure whats inside

I moved all contaminated water From Custon truck 2012 to the back of the shop & covered with a tarp

Left site 10:45am [signature] Ent

Summary of water samples excluding MW9

Sample ID	Date	Time	[illegible]	[illegible]	GRO/BTEX	DRO/RRO	VOC	Notes
MW1-0830	8/30	19:45	W	5	X	X		
MW2-0830	8/30	13:45	W	5	X	X		
MW3-0831	8/31	9:30	W	5	X	X		
MW5-0829	8/29	11:45	W	5	X	X		
MW8-0829	8/29	19:45	W	5	X	X		
MW10-0829	8/29	13:15	W	5	X	X		
MW11-0830	8/30	10:15	W	5	X	X		
MW13-0830	8/30	18:40	W	5	X	X		
MW14-0830	8/30	17:00	W	5	X	X		
MW15-0829	8/29	20:45	W	5	X	X		
MW17-0830	8/30	19:45	W	4	X	X		Duplicate
B6/NF-0830	8/30	18:30	W	5	X	X		
Facility well	8/30	16:30	W	3			X	
Trip (HCl)	/	/	W	3	X		X	
Trip (HCl + Ascorbic)	/	/	W	3				Run only if can't only run HCl trip blank

On site at 3:45pm
9/13/12 - Sunny with overcast Clouds 45°F
- Here to purge & Sample MW4.

- Depth to H_2O: 5.3
- Total Depth: 13.4
Need to purge 3.9 gallons
Started purge at 4pm
Finished purge at 6pm
Started sampling at 6pm
left site at 6:30 pm

9/13/12
End

GROUND WATER MONITORING LOG BGES, INC.

Well Number: _MW1_

Time Arrived On Site: _7:00_ Weather Conditions: Windy, 50 Degrees Fahrenheit_

Date of Depth to Water Measurement: _8/30/2012_ Time of Depth to Water Measurement: _8:10_

Top of Casing Elevation:	102.65 ft	Type of Sampling Equipment:
Depth to Water (feet below TOC):	8.20 ft	QED MP50/Bladder Pump/Battery
Water Elevation:	94.45 ft	Water Level Indicator/ YSI Water Quality Meter

Total Depth of Well (feet below TOC):	21.8
Depth to Water (feet below TOC):	8.2
Water Column (feet):	13.6

Volume of well (gals) 2.22

=0.1632 X Water Column (For 2-inch well)
=0.6528 X Water Column (For 4-inch well)
=1.4688 X Water Column (For 6-inch well)

Time Purging Began 18:15
Time of Sampling: 19:45
Volume purged 7 gallons

PURGE A MINIMUM OF THREE WELL VOLUMES

pH		pH	
Conductivity		Conductivity	
ORP		ORP	
Temperature		Temperature	
pH		pH	
Conductivity		Conductivity	
ORP		ORP	
Temperature		Temperature	
pH		pH	
Conductivity		Conductivity	
ORP		ORP	
Temperature		Temperature	
pH		pH	
Conductivity		Conductivity	
ORP		ORP	
Temperature		Temperature	
pH		pH	
Conductivity		Conductivity	
ORP		ORP	
Temperature		Temperature	
pH		pH	
Conductivity		Conductivity	
ORP		ORP	
Dissolved Oxygen		Dissolved Oxygen	
Temperature		Temperature	

Water Parameters were not collected for this well because a petroleum sheen and odor were observed during purging activities.

GROUND WATER MONITORING LOG BGES, INC.

Well Number: _MW2_

Time Arrived On Site: _7:00_ Weather Conditions: Windy, 50 Degrees Fahrenheit_

Date of Depth to Water Measurement: _8/30/2012_ Time of Depth to Water Measurement: _7:40_

Top of Casing Elevation:	99.89 ft	Type of Sampling Equipment:
Depth to Water (feet below TOC):	6.00 ft	QED MP50/Bladder Pump/Battery
Water Elevation:	93.89 ft	Water Level Indicator/ YSI Water Quality Meter

Total Depth of Well (feet below TOC):	13.60 ft
Depth to Water (feet below TOC):	6.0 ft
Water Column (feet):	7.6 ft

Volume of well (gals) 1.24 =0.1632 X Water Column (For 2-inch well)
=0.6528 X Water Column (For 4-inch well)
=1.4688 X Water Column (For 6-inch well)

Time Purging Began 12:30
Time of Sampling: 13:45
Volume purged 4 gallons

PURGE A MINIMUM OF THREE WELL VOLUMES

pH		pH	
Conductivity		Conductivity	
ORP		ORP	
Temperature		Temperature	
pH		pH	
Conductivity		Conductivity	
ORP		ORP	
Temperature		Temperature	
pH		pH	
Conductivity		Conductivity	
ORP		ORP	
Temperature		Temperature	
pH		pH	
Conductivity		Conductivity	
ORP		ORP	
Temperature		Temperature	
pH		pH	
Conductivity		Conductivity	
ORP		ORP	
Temperature		Temperature	
pH		pH	
Conductivity		Conductivity	
ORP		ORP	
Dissolved Oxygen		Dissolved Oxygen	
Temperature		Temperature	

Water Parameters were not collected for this well because a petroleum sheen and odor were observed during purging activities.

GROUND WATER MONITORING LOG BGES, INC.

Well Number: _MW3_

Time Arrived On Site: _7:00_ Weather Conditions: Windy, 50 Degrees Fahrenheit_

Date of Depth to Water Measurement: _8/31/2012_ Time of Depth to Water Measurement: _8:00_

Top of Casing Elevation:	100.02 ft	Type of Sampling Equipment:
Depth to Water (feet below TOC):	5.73 ft	QED MP50/Bladder Pump/Battery
Water Elevation:	94.29 ft	Water Level Indicator/ YSI Water Quality Meter

Total Depth of Well (feet below TOC):	9.20 ft
Depth to Water (feet below TOC):	5.73 ft
Water Column (feet):	3.47 ft

Volume of well (gals) 0.91 =0.1632 X Water Column (For 2-inch well)
=0.6528 X Water Column (For 4-inch well)
=1.4688 X Water Column (For 6-inch well)

Time Purging Began 8:30
Time of Sampling: 9:30
Volume purged 4 gallons

PURGE A MINIMUM OF THREE WELL VOLUMES

pH		pH	
Conductivity		Conductivity	
ORP		ORP	
Temperature		Temperature	
pH		pH	
Conductivity		Conductivity	
ORP		ORP	
Temperature		Temperature	
pH		pH	
Conductivity		Conductivity	
ORP		ORP	
Temperature		Temperature	
pH		pH	
Conductivity		Conductivity	
ORP		ORP	
Temperature		Temperature	
pH		pH	
Conductivity		Conductivity	
ORP		ORP	
Temperature		Temperature	
pH		pH	
Conductivity		Conductivity	
ORP		ORP	
Dissolved Oxygen		Dissolved Oxygen	
Temperature		Temperature	

Water Parameters were not collected for this well because a petroleum sheen and odor were observed during purging activities.

GROUND WATER MONITORING LOG BGES, INC.

Well Number: _MW5_

Time Arrived On Site: _7:00_ Weather Conditions: Windy, 50 Degrees Fahrenheit_

Date of Depth to Water Measurement: _8/29/2012_ Time of Depth to Water Measurement: _9:00_

Top of Casing Elevation:	101.19 ft	Type of Sampling Equipment:
Depth to Water (feet below TOC):	7.7 ft	QED MP50/Bladder Pump/Battery
Water Elevation:	93.49 ft	Water Level Indicator/ YSI Water Quality Meter

Total Depth of Well (feet below TOC):	13.10 ft
Depth to Water (feet below TOC):	7.7 ft
Water Column (feet):	5.4 ft

Volume of well (gals) 0.88

=0.1632 X Water Column (For 2-inch well)
=0.6528 X Water Column (For 4-inch well)
=1.4688 X Water Column (For 6-inch well)

Time Purging Began 11:00
Time of Sampling: 11:45
Volume purged 3 gallons

PURGE A MINIMUM OF THREE WELL VOLUMES

pH	6.4	pH	
Conductivity	477	Conductivity	
ORP	-39	ORP	
Temperature	13.4	Temperature	
pH	6.28	pH	
Conductivity	24.2	Conductivity	
ORP	-33	ORP	
Temperature	12.1	Temperature	
pH	6.22	pH	
Conductivity	570	Conductivity	
ORP	-15	ORP	
Temperature	11.3	Temperature	
pH	3.6	pH	
Conductivity	519	Conductivity	
ORP	-15	ORP	
Temperature	11.1	Temperature	
pH		pH	
Conductivity		Conductivity	
ORP		ORP	
Temperature		Temperature	
pH		pH	
Conductivity		Conductivity	
ORP		ORP	
Dissolved Oxygen		Dissolved Oxygen	
Temperature		Temperature	

GROUND WATER MONITORING LOG BGES, INC.

Well Number: _MW8_

Time Arrived On Site: _7:00_ Weather Conditions: Windy, 50 Degrees Fahrenheit_

Date of Depth to Water Measurement: _8/29/2012_ Time of Depth to Water Measurement: _9:15_

Top of Casing Elevation:	99.62 ft	Type of Sampling Equipment:
Depth to Water (feet below TOC):	6.43 ft	QED MP50/Bladder Pump/Battery
Water Elevation:	93.19 ft	Water Level Indicator/ YSI Water Quality Meter

Total Depth of Well (feet below TOC):	15.20 ft
Depth to Water (feet below TOC):	6.43 ft
Water Column (feet):	8.77 ft

Volume of well (gals) 1.43 =0.1632 X Water Column (For 2-inch well)
=0.6528 X Water Column (For 4-inch well)
=1.4688 X Water Column (For 6-inch well)

Time Purging Began 19:00
Time of Sampling: 19:50
Volume purged 4.5 gallongs

PURGE A MINIMUM OF THREE WELL VOLUMES

pH	6.9	pH	
Conductivity	463	Conductivity	
ORP	-87	ORP	
Temperature	12.4	Temperature	
pH		pH	
Conductivity		Conductivity	
ORP		ORP	
Temperature		Temperature	
pH		pH	
Conductivity		Conductivity	
ORP		ORP	
Temperature		Temperature	
pH		pH	
Conductivity		Conductivity	
ORP		ORP	
Temperature		Temperature	
pH		pH	
Conductivity		Conductivity	
ORP		ORP	
Temperature		Temperature	
pH		pH	
Conductivity		Conductivity	
ORP		ORP	
Dissolved Oxygen		Dissolved Oxygen	
Temperature		Temperature	

A petroleum odor was observed in this well during purging activities; therefore, the collection of water quality parameters were not continued after the first well volume.

GROUND WATER MONITORING LOG BGES, INC.

Well Number: _MW9_

Time Arrived On Site: _7:00_ Weather Conditions: Windy, 50 Degrees Fahrenheit_

Date of Depth to Water Measurement: _9/13/2012_ Time of Depth to Water Measurement: _15:00_

Top of Casing Elevation:	99.69 ft	Type of Sampling Equipment:
Depth to Water (feet below TOC):	6.1 ft	QED MP50/Bladder Pump/Battery
Water Elevation:	93.59 ft	Water Level Indicator/ YSI Water Quality Meter

Total Depth of Well (feet below TOC):	14.0 ft
Depth to Water (feet below TOC):	6.1 ft
Water Column (feet):	7.9 ft

Volume of well (gals) 1.29 =0.1632 X Water Column (For 2-inch well)
=0.6528 X Water Column (For 4-inch well)
=1.4688 X Water Column (For 6-inch well)

Time Purging Began 15:00
Time of Sampling: 17:00
Volume purged 3.9 gallons

PURGE A MINIMUM OF THREE WELL VOLUMES

pH		pH	
Conductivity		Conductivity	
ORP		ORP	
Temperature		Temperature	
pH		pH	
Conductivity		Conductivity	
ORP		ORP	
Temperature		Temperature	
pH		pH	
Conductivity		Conductivity	
ORP		ORP	
Temperature		Temperature	
pH		pH	
Conductivity		Conductivity	
ORP		ORP	
Temperature		Temperature	
pH		pH	
Conductivity		Conductivity	
ORP		ORP	
Temperature		Temperature	
pH		pH	
Conductivity		Conductivity	
ORP		ORP	
Dissolved Oxygen		Dissolved Oxygen	
Temperature		Temperature	

Water Parameters were not collected for this well because a petroleum sheen and odor were observed during purging activities.

GROUND WATER MONITORING LOG BGES, INC.

Well Number: _MW10_

Time Arrived On Site: _7:00_ Weather Conditions: Windy, 50 Degrees Fahrenheit_

Date of Depth to Water Measurement: _8/29/2012_ Time of Depth to Water Measurement: _9:10_

Top of Casing Elevation:	103.35 ft	Type of Sampling Equipment:
Depth to Water (feet below TOC):	7.20 ft	QED MP50/Bladder Pump/Battery
Water Elevation:	96.15 ft	Water Level Indicator/ YSI Water Quality Meter
Total Depth of Well (feet below TOC):	15.20 ft	
Depth to Water (feet below TOC):	7.20 ft	
Water Column (feet):	8 ft	
Volume of well (gals)	1.31	=0.1632 X Water Column (For 2-inch well) =0.6528 X Water Column (For 4-inch well) =1.4688 X Water Column (For 6-inch well)

Time Purging Began 12:30

Time of Sampling: 13:15

Volume purged 4 gallons

PURGE A MINIMUM OF THREE WELL VOLUMES

pH	6.52	pH	
Conductivity	585	Conductivity	
ORP	65	ORP	
Temperature	16.8	Temperature	
pH	6.42	pH	
Conductivity	594	Conductivity	
ORP	55.3	ORP	
Temperature	16.3	Temperature	
pH	6.83	pH	
Conductivity	621	Conductivity	
ORP	-36	ORP	
Temperature	19.2	Temperature	
pH	6.87	pH	
Conductivity	401	Conductivity	
ORP	-40	ORP	
Temperature	17.3	Temperature	
pH		pH	
Conductivity		Conductivity	
ORP		ORP	
Temperature		Temperature	
pH		pH	
Conductivity		Conductivity	
ORP		ORP	
Dissolved Oxygen		Dissolved Oxygen	
Temperature		Temperature	

GROUND WATER MONITORING LOG BGES, INC.

Well Number: _MW11_

Time Arrived On Site: _7:00_ Weather Conditions: Windy, 50 Degrees Fahrenheit_

Date of Depth to Water Measurement: _8/30/2012_ Time of Depth to Water Measurement: _7:30_

Top of Casing Elevation:	98.73 ft	Type of Sampling Equipment:
Depth to Water (feet below TOC):	5.40 ft	QED MP50/Bladder Pump/Battery
Water Elevation:	93.33 ft	Water Level Indicator/ YSI Water Quality Meter

Total Depth of Well (feet below TOC):	14.00 ft
Depth to Water (feet below TOC):	5.40 ft
Water Column (feet):	8.6 ft

Volume of well (gals) 1.4 =0.1632 X Water Column (For 2-inch well)
=0.6528 X Water Column (For 4-inch well)
=1.4688 X Water Column (For 6-inch well)

Time Purging Began 9:10
Time of Sampling: 10:15
Volume purged 4.5 gallons

PURGE A MINIMUM OF THREE WELL VOLUMES

pH	7.35	pH	
Conductivity	335	Conductivity	
ORP	-97.2	ORP	
Temperature	12.6	Temperature	
pH	6.8	pH	
Conductivity	346	Conductivity	
ORP	-76	ORP	
Temperature	11.7	Temperature	
pH	6.57	pH	
Conductivity	64.2	Conductivity	
ORP	-70	ORP	
Temperature	11.5	Temperature	
pH		pH	
Conductivity		Conductivity	
ORP		ORP	
Temperature		Temperature	
pH		pH	
Conductivity		Conductivity	
ORP		ORP	
Temperature		Temperature	
pH		pH	
Conductivity		Conductivity	
ORP		ORP	
Dissolved Oxygen		Dissolved Oxygen	
Temperature		Temperature	

GROUND WATER MONITORING LOG BGES, INC.

Well Number: _MW13_

Time Arrived On Site: _7:00_ Weather Conditions: Windy, 50 Degrees Fahrenheit_

Date of Depth to Water Measurement: _8/30/2012_ Time of Depth to Water Measurement: _8:05_

Top of Casing Elevation:	101.51 ft	Type of Sampling Equipment:
Depth to Water (feet below TOC):	7.60 ft	QED MP50/Bladder Pump/Battery
Water Elevation:	93.91 ft	Water Level Indicator/ YSI Water Quality Meter
Total Depth of Well (feet below TOC):	11.80 ft	
Depth to Water (feet below TOC):	7.60 ft	
Water Column (feet):	4.2 ft	
Volume of well (gals)	0.69	=0.1632 X Water Column (For 2-inch well) =0.6528 X Water Column (For 4-inch well) =1.4688 X Water Column (For 6-inch well)

Time Purging Began 17:50

Time of Sampling: 18:40

Volume purged 2.5 gallons

PURGE A MINIMUM OF THREE WELL VOLUMES

pH		pH	
Conductivity		Conductivity	
ORP		ORP	
Temperature		Temperature	
pH		pH	
Conductivity		Conductivity	
ORP		ORP	
Temperature		Temperature	
pH		pH	
Conductivity		Conductivity	
ORP		ORP	
Temperature		Temperature	
pH		pH	
Conductivity		Conductivity	
ORP		ORP	
Temperature		Temperature	
pH		pH	
Conductivity		Conductivity	
ORP		ORP	
Temperature		Temperature	
pH		pH	
Conductivity		Conductivity	
ORP		ORP	
Dissolved Oxygen		Dissolved Oxygen	
Temperature		Temperature	

Water Parameters were not collected for this well because a petroleum sheen and odor were observed during purging activities.

GROUND WATER MONITORING LOG BGES, INC.

Well Number: _MW14_

Time Arrived On Site: _7:00_ Weather Conditions: Windy, 50 Degrees Fahrenheit_

Date of Depth to Water Measurement: _8/30/2012_ Time of Depth to Water Measurement: _7:45_

Top of Casing Elevation:	101.39 ft	Type of Sampling Equipment:
Depth to Water (feet below TOC):	7.60 ft	QED MP50/Bladder Pump/Battery
Water Elevation:	93.79 ft	Water Level Indicator/ YSI Water Quality Meter

Total Depth of Well (feet below TOC):	13.15 ft
Depth to Water (feet below TOC):	7.60 ft
Water Column (feet):	5.55 ft

Volume of well (gals) 0.91 =0.1632 X Water Column (For 2-inch well)
=0.6528 X Water Column (For 4-inch well)
=1.4688 X Water Column (For 6-inch well)

Time Purging Began 16:00
Time of Sampling: 17:00
Volume purged 3 gallons

PURGE A MINIMUM OF THREE WELL VOLUMES

pH		pH	
Conductivity		Conductivity	
ORP		ORP	
Temperature		Temperature	
pH		pH	
Conductivity		Conductivity	
ORP		ORP	
Temperature		Temperature	
pH		pH	
Conductivity		Conductivity	
ORP		ORP	
Temperature		Temperature	
pH		pH	
Conductivity		Conductivity	
ORP		ORP	
Temperature		Temperature	
pH		pH	
Conductivity		Conductivity	
ORP		ORP	
Temperature		Temperature	
pH		pH	
Conductivity		Conductivity	
ORP		ORP	
Dissolved Oxygen		Dissolved Oxygen	
Temperature		Temperature	

Water Parameters were not collected for this well because a petroleum sheen and odor were observed during purging activities.

GROUND WATER MONITORING LOG BGES, INC.

Well Number: _MW15_

Time Arrived On Site: _7:00_ Weather Conditions: Windy, 50 Degrees Fahrenheit_

Date of Depth to Water Measurement: _8/29/2012_ Time of Depth to Water Measurement: _9:25_

Top of Casing Elevation:	99.81 ft	Type of Sampling Equipment:
Depth to Water (feet below TOC):	5.90 ft	QED MP50/Bladder Pump/Battery
Water Elevation:	93.91 ft	Water Level Indicator/ YSI Water Quality Meter
Total Depth of Well (feet below TOC):	10.70 ft	
Depth to Water (feet below TOC):	5.90 ft	
Water Column (feet):	4.8 ft	
Volume of well (gals)	0.78	=0.1632 X Water Column (For 2-inch well) =0.6528 X Water Column (For 4-inch well) =1.4688 X Water Column (For 6-inch well)

Time Purging Began 20:15

Time of Sampling: 20:45

Volume purged 3 gallons

PURGE A MINIMUM OF THREE WELL VOLUMES

pH		pH	
Conductivity		Conductivity	
ORP		ORP	
Temperature		Temperature	
pH		pH	
Conductivity		Conductivity	
ORP		ORP	
Temperature		Temperature	
pH		pH	
Conductivity		Conductivity	
ORP		ORP	
Temperature		Temperature	
pH		pH	
Conductivity		Conductivity	
ORP		ORP	
Temperature		Temperature	
pH		pH	
Conductivity		Conductivity	
ORP		ORP	
Temperature		Temperature	
pH		pH	
Conductivity		Conductivity	
ORP		ORP	
Dissolved Oxygen		Dissolved Oxygen	
Temperature		Temperature	

Water Parameters were not collected for this well because a petroleum sheen and odor were observed during purging activities.

GROUND WATER MONITORING LOG BGES, INC.

Well Number: _B6/VE_

Time Arrived On Site: _7:00_ Weather Conditions: Windy, 50 Degrees Fahrenheit_

Date of Depth to Water Measurement: _8/30/2012_ Time of Depth to Water Measurement: _7:55_

Top of Casing Elevation:	101.92 ft	Type of Sampling Equipment:
Depth to Water (feet below TOC):	7.90 ft	QED MP50/Bladder Pump/Battery
Water Elevation:	94.02 ft	Water Level Indicator/ YSI Water Quality Meter

Total Depth of Well (feet below TOC):	14.33 ft
Depth to Water (feet below TOC):	7.90 ft
Water Column (feet):	6.43 ft

Volume of well (gals) 1.05 =0.1632 X Water Column (For 2-inch well)
=0.6528 X Water Column (For 4-inch well)
=1.4688 X Water Column (For 6-inch well)

Time Purging Began 18:10
Time of Sampling: 19:20
Volume purged 4.5 gallons

PURGE A MINIMUM OF THREE WELL VOLUMES

pH		pH	
Conductivity		Conductivity	
ORP		ORP	
Temperature		Temperature	
pH		pH	
Conductivity		Conductivity	
ORP		ORP	
Temperature		Temperature	
pH		pH	
Conductivity		Conductivity	
ORP		ORP	
Temperature		Temperature	
pH		pH	
Conductivity		Conductivity	
ORP		ORP	
Temperature		Temperature	
pH		pH	
Conductivity		Conductivity	
ORP		ORP	
Temperature		Temperature	
pH		pH	
Conductivity		Conductivity	
ORP		ORP	
Dissolved Oxygen		Dissolved Oxygen	
Temperature		Temperature	

Water Parameters were not collected for this well because a petroleum sheen and odor were observed during purging activities.

APPENDIX B
LABORATORY ANALYTICAL DATA

SGS North America Inc.
Alaska Division
Level II Laboratory Data Report

Project:	Custom Truck
Client:	BGES Inc.
SGS Work Order:	1124083

Released by:

Contents:

Client Name: BGES Inc.
Project Name: Custom Truck
Workorder No.: 1124083

Sample Comments

Refer to the sample receipt form for information on sample condition.

Lab Sample ID	Sample Type	Client Sample ID
1124083001	PS	MW1-0830
	AK102/103 - Unknown hydrocarbon with several peaks is present.	
1124083002	PS	MW2-0830
	AK102/103 - Unknown hydrocarbon with several peaks is present.	
1124083003	PS	MW3-0831
	AK103 - Unknown hydrocarbon with several peaks is present.	
1124083004	PS	MW5-0829
	AK103 - Unknown hydrocarbon with several peaks is present.	
1124083005	PS	MW8-0829
	AK103 - Unknown hydrocarbon with several peaks is present.	
1124083007	PS	MW11-0830
	AK103 - Unknown hydrocarbon with several peaks is present.	
1124083008	PS	MW13-0830
	AK102/103 - Unknown hydrocarbon with several peaks is present.	
1124083009	PS	MW14-0830
	AK102/103 - Unknown hydrocarbon with several peaks is present.	
1124083010	PS	MW15-0829
	AK102 - The pattern is consistent with a weathered gasoline. AK103 - Unknown hydrocarbon with several peaks is present.	
1124083011	PS	MW17-0830
	AK102/103 - Unknown hydrocarbon with several peaks is present.	
1124083012	PS	BGVE-0830
	AK102 - The pattern is consistent with a weathered gasoline. AK103 - Unknown hydrocarbon with several peaks is present.	

* QC comments may be associated with the field samples found in this report. When applicable, comments will be applied to associated field samples.

Laboratory Analytical Report

Client: **BGES Inc.**
1042 E 6th Ave
Anchorage, AK 99501

Attn: **Jayne Martin**
T: (907)644-2900 F:(907)644-2901
jayne@bgesinc.com

Project: **Custom Truck**

Workorder No.: **1124083**

Certification:

This data package is in compliance with the terms and conditions of the contract, both technically and for completeness, unless otherwise noted on the sample data sheet(s) and/or case narrative. This certification applies only to the tested parameters and the specific sample(s) received at the laboratory. If you have any questions regarding this report, or if we can be of further assistance, please contact your SGS Project Manager.

Carmon Beene

carmon.beene@sgs.com
Project Manager

Contents (Bookmarked in PDF):

Enclosed are the analytical results associated with the above work order. All results are intended to be used in their entirety and SGS is not responsible for use of less than the complete report. If you have any questions regarding this report, or if we can be of any other assistance, please contact your SGS Project Manager at 907-562-2343. All work is provided under SGS general terms and conditions (<http://www.sgs.com/terms_and_conditions.htm>), unless other written agreements have been accepted by both parties.

SGS maintains a formal Quality Assurance/Quality Control (QA/QC) program. A copy of our Quality Assurance Plan (QAP), which outlines this program, is available at your request. The laboratory certification numbers are AK00971 (DW Chemistry & Microbiology) & UST-005 (CS) for ADEC and 2944.01 for DOD ELAP/ISO 17025 (RCRA methods: 1020A, 1311, 3010A, 3050B, 3520C, 3550C, 5030B, 5035B, 6020, 7470A, 7471B, 8021B, 8082A, 8260B, 8270D, 8270D-SIM, 9040B, 9045C, 9056A, 9060A, AK101 and AK102/103). Except as specifically noted, all statements and data in this report are in conformance to the provisions set forth by the SGS QAP and, when applicable, other regulatory authorities.

The following descriptors or qualifiers may be found in your report:

*	The analyte has exceeded allowable regulatory or control limits.
!	Surrogate out of control limits.
B	Indicates the analyte is found in a blank associated with the sample.
CCV	Continuing Calibration Verification
CL	Control Limit
D	The analyte concentration is the result of a dilution.
DF	Dilution Factor
DL	Detection Limit (i.e., maximum method detection limit)
E	The analyte result is above the calibrated range.
F	Indicates value that is greater than or equal to the DL
GT	Greater Than
ICV	Initial Calibration Verification
J	The quantitation is an estimation.
JL	The analyte was positively identified, but the quantitation is a low estimation.
LCS(D)	Laboratory Control Spike (Duplicate)
LOD	Limit of Detection (i.e., 2xDL)
LOQ	Limit of Quantitation (i.e., reporting or practical quantitation limit)
LT	Less Than
M	A matrix effect was present.
MB	Method Blank
MS(D)	Matrix Spike (Duplicate)
ND	Indicates the analyte is not detected.
Q	QC parameter out of acceptance range.
R	Rejected
RL	Reporting Limit
RPD	Relative Percent Difference
U	Indicates the analyte was analyzed for but not detected.

Note: Sample summaries which include a result for "Total Solids" have already been adjusted for moisture content.
All DRO/RRO analyses are integrated per SOP.

Client Name: BGES Inc.
Project Name: Custom Truck
Workorder No.: 1124083

Analytical Methods

Method Description	Analytical Method
AK101/8021 Combo.	AK101
AK101/8021 Combo.	SW8021B
Diesel/Residual Range Organics Water	AK102
Diesel/Residual Range Organics Water	AK103
Volatile Organics by 524.2 (DW)	EPA 524.2

Sample ID Cross Reference

Lab Sample ID	Client Sample ID
1124083001	MW1-0830
1124083002	MW2-0830
1124083003	MW3-0831
1124083004	MW5-0829
1124083005	MW8-0829
1124083006	MW10-0829
1124083007	MW11-0830
1124083008	MW13-0830
1124083009	MW14-0830
1124083010	MW15-0829
1124083011	MW17-0830
1124083012	BGVE-0830
1124083013	Facility Well
1124083014	TRIPBLANK (HCL ONLY)
1124083015	TRIPBLANK (HCL+ASCORBIC)

Detectable Results Summary

Print Date: 9/10/2012 8:12 pm

Client Sample ID: **MW1-0830**
SGS Ref. #: 1124083001

Parameter	Result	Units
Volatile Fuels Department		
Gasoline Range Organics	32.4	mg/L
Benzene	2420	ug/L
Toluene	4530	ug/L
Ethylbenzene	1160	ug/L
o-Xylene	2910	ug/L
P & M -Xylene	5000	ug/L
Semivolatile Organic Fuels Department		
Diesel Range Organics	22.0	mg/L
Residual Range Organics	1.45	mg/L

Client Sample ID: **MW2-0830**
SGS Ref. #: 1124083002

Parameter	Result	Units
Volatile Fuels Department		
Gasoline Range Organics	74.1	mg/L
Benzene	7360	ug/L
Toluene	19800	ug/L
Ethylbenzene	1560	ug/L
o-Xylene	3090	ug/L
P & M -Xylene	7140	ug/L
Semivolatile Organic Fuels Department		
Diesel Range Organics	58.6	mg/L
Residual Range Organics	5.50	mg/L

Client Sample ID: **MW3-0831**
SGS Ref. #: 1124083003

Parameter	Result	Units
Semivolatile Organic Fuels Department		
Residual Range Organics	0.556	mg/L

Client Sample ID: **MW5-0829**
SGS Ref. #: 1124083004

Parameter	Result	Units
Volatile Fuels Department		
Benzene	1.13	ug/L
Semivolatile Organic Fuels Department		
Residual Range Organics	0.974	mg/L

Detectable Results Summary

Print Date: 9/10/2012 8:12 pm

Client Sample ID: **MW8-0829**
SGS Ref. #: 1124083005

Parameter	Result	Units
Volatile Fuels Department		
Gasoline Range Organics	0.790	mg/L
Benzene	355	ug/L
Semivolatile Organic Fuels Department		
Residual Range Organics	0.506	mg/L

Client Sample ID: **MW11-0830**
SGS Ref. #: 1124083007

Parameter	Result	Units
Semivolatile Organic Fuels Department		
Residual Range Organics	0.601	mg/L

Client Sample ID: **MW13-0830**
SGS Ref. #: 1124083008

Parameter	Result	Units
Volatile Fuels Department		
Gasoline Range Organics	217	mg/L
Benzene	19600	ug/L
Toluene	63900	ug/L
Ethylbenzene	5290	ug/L
o-Xylene	8300	ug/L
P & M -Xylene	18400	ug/L
Semivolatile Organic Fuels Department		
Diesel Range Organics	20.1	mg/L
Residual Range Organics	1.75	mg/L

Client Sample ID: **MW14-0830**
SGS Ref. #: 1124083009

Parameter	Result	Units
Volatile Fuels Department		
Gasoline Range Organics	118	mg/L
Benzene	19600	ug/L
Toluene	26100	ug/L
Ethylbenzene	2510	ug/L
o-Xylene	4480	ug/L
P & M -Xylene	10300	ug/L
Semivolatile Organic Fuels Department		
Diesel Range Organics	58.6	mg/L
Residual Range Organics	8.88	mg/L

Detectable Results Summary

Print Date: 9/10/2012 8:12 pm

Client Sample ID: **MW15-0829**
SGS Ref. #: 1124083010

Parameter	Result	Units
Volatile Fuels Department		
Gasoline Range Organics	1.33	mg/L
Benzene	46.7	ug/L
Toluene	51.4	ug/L
Ethylbenzene	22.9	ug/L
o-Xylene	33.2	ug/L
P & M -Xylene	78.7	ug/L
Semivolatile Organic Fuels Department		
Diesel Range Organics	1.03	mg/L
Residual Range Organics	1.01	mg/L

Client Sample ID: **MW17-0830**
SGS Ref. #: 1124083011

Parameter	Result	Units
Volatile Fuels Department		
Gasoline Range Organics	30.4	mg/L
Benzene	2370	ug/L
Toluene	4200	ug/L
Ethylbenzene	1090	ug/L
o-Xylene	2760	ug/L
P & M -Xylene	4760	ug/L
Semivolatile Organic Fuels Department		
Diesel Range Organics	21.0	mg/L
Residual Range Organics	1.65	mg/L

Client Sample ID: **BGVE-0830**
SGS Ref. #: 1124083012

Parameter	Result	Units
Volatile Fuels Department		
Gasoline Range Organics	8.29	mg/L
Benzene	1060	ug/L
Toluene	1430	ug/L
Ethylbenzene	122	ug/L
o-Xylene	489	ug/L
P & M -Xylene	650	ug/L
Semivolatile Organic Fuels Department		
Diesel Range Organics	4.69	mg/L
Residual Range Organics	1.43	mg/L

Detectable Results Summary

Print Date: 9/10/2012 8:12 pm

Client Sample ID: **TRIPBLANK (HCL ONLY)**

SGS Ref. #: 1124083014

Parameter	Result	Units
Volatile Gas Chromatography/Mass Spectroscopy		
Hexachlorobutadiene	0.610	ug/L

Client Sample ID: **MW1-0830**
SGS Ref. #: 1124083001
Project ID: Custom Truck
Matrix: Water (Surface, Eff., Ground)

Collection Date/Time: 08/30/12 19:25
Receipt Date/Time: 08/31/12 13:00

Volatile Fuels Department

Parameter	Result	LOQ/CL	Units	DF	Analytical Batch	Prep Batch	Qualifiers
Benzene	2420	25.0	ug/L	50	VFC11152	VXX23978	
Ethylbenzene	1160	50.0	ug/L	50	VFC11152	VXX23978	
Gasoline Range Organics	32.4	5.00	mg/L	50	VFC11152	VXX23978	
o-Xylene	2910	50.0	ug/L	50	VFC11152	VXX23978	
P & M -Xylene	5000	100	ug/L	50	VFC11152	VXX23978	
Toluene	4530	50.0	ug/L	50	VFC11152	VXX23978	
1,4-Difluorobenzene <surr>	90.4	77-115	%	50	VFC11152	VXX23978	
4-Bromofluorobenzene <surr>	108	50-150	%	50	VFC11152	VXX23978	

Batch Information

Analytical Batch: VFC11152
Analytical Method: AK101
Analysis Date/Time: 09/06/12 14:05
Dilution Factor: 50
Prep Batch: VXX23978
Prep Method: SW5030B
Prep Date/Time: 09/06/12 08:31
Initial Prep Wt./Vol.: 5 mL
Prep Extract Vol.: 5 mL
Container ID:1124083001-B
Analyst: EAB

Analytical Batch: VFC11152
Analytical Method: SW8021B
Analysis Date/Time: 09/06/12 14:05
Dilution Factor: 50
Prep Batch: VXX23978
Prep Method: SW5030B
Prep Date/Time: 09/06/12 08:31
Initial Prep Wt./Vol.: 5 mL
Prep Extract Vol.: 5 mL
Container ID:1124083001-B
Analyst: EAB

Client Sample ID: **MW1-0830**
SGS Ref. #: 1124083001
Project ID: Custom Truck
Matrix: Water (Surface, Eff., Ground)

Collection Date/Time: 08/30/12 19:25
Receipt Date/Time: 08/31/12 13:00

Semivolatile Organic Fuels Department

Parameter	Result	LOQ/CL	Units	DF	Analytical Batch	Prep Batch	Qualifiers
Diesel Range Organics	22.0	1.20	mg/L	2	XFC10575	XXX27869	
Residual Range Organics	1.45	0.500	mg/L	1	XFC10569	XXX27869	
5a Androstane <surr>	79.6	50-150	%	2	XFC10575	XXX27869	
n-Triacontane-d62 <surr>	62.8	50-150	%	1	XFC10569	XXX27869	

Batch Information

Analytical Batch: XFC10569
Analytical Method: AK103
Analysis Date/Time: 09/04/12 16:10
Dilution Factor: 1
Prep Batch: XXX27869
Prep Method: SW3520C
Prep Date/Time: 09/01/12 12:00
Initial Prep Wt./Vol.: 1000 mL
Prep Extract Vol.: 1 mL
Container ID:1124083001-D
Analyst: MEM

Analytical Batch: XFC10575
Analytical Method: AK102
Analysis Date/Time: 09/05/12 16:49
Dilution Factor: 2
Prep Batch: XXX27869
Prep Method: SW3520C
Prep Date/Time: 09/01/12 12:00
Initial Prep Wt./Vol.: 1000 mL
Prep Extract Vol.: 1 mL
Container ID:1124083001-D
Analyst: MEM

Client Sample ID: **MW2-0830**
SGS Ref. #: 1124083002
Project ID: Custom Truck
Matrix: Water (Surface, Eff., Ground)

Collection Date/Time: 08/30/12 13:45
Receipt Date/Time: 08/31/12 13:00

Volatile Fuels Department

Parameter	Result	LOQ/CL	Units	DF	Analytical Batch	Prep Batch	Qualifiers
Benzene	7360	25.0	ug/L	50	VFC11152	VXX23978	
Ethylbenzene	1560	50.0	ug/L	50	VFC11152	VXX23978	
Gasoline Range Organics	74.1	5.00	mg/L	50	VFC11152	VXX23978	
o-Xylene	3090	50.0	ug/L	50	VFC11152	VXX23978	
P & M -Xylene	7140	100	ug/L	50	VFC11152	VXX23978	
Toluene	19800	100	ug/L	100	VFC11152	VXX23978	
1,4-Difluorobenzene <surr>	92.5	77-115	%	50	VFC11152	VXX23978	
4-Bromofluorobenzene <surr>	112	50-150	%	50	VFC11152	VXX23978	

Batch Information

Analytical Batch: VFC11152
Analytical Method: AK101
Analysis Date/Time: 09/06/12 14:23
Dilution Factor: 50
Prep Batch: VXX23978
Prep Method: SW5030B
Prep Date/Time: 09/06/12 08:31
Initial Prep Wt./Vol.: 5 mL
Prep Extract Vol.: 5 mL
Container ID:1124083002-B
Analyst: EAB

Analytical Batch: VFC11152
Analytical Method: SW8021B
Analysis Date/Time: 09/06/12 14:23
Dilution Factor: 50
Prep Batch: VXX23978
Prep Method: SW5030B
Prep Date/Time: 09/06/12 08:31
Initial Prep Wt./Vol.: 5 mL
Prep Extract Vol.: 5 mL
Container ID:1124083002-B
Analyst: EAB

Analytical Batch: VFC11152
Analytical Method: SW8021B
Analysis Date/Time: 09/06/12 16:51
Dilution Factor: 100
Prep Batch: VXX23978
Prep Method: SW5030B
Prep Date/Time: 09/06/12 08:31
Initial Prep Wt./Vol.: 5 mL
Prep Extract Vol.: 5 mL
Container ID:1124083002-B
Analyst: EAB

Client Sample ID: **MW2-0830**
SGS Ref. #: 1124083002
Project ID: Custom Truck
Matrix: Water (Surface, Eff., Ground)

Collection Date/Time: 08/30/12 13:45
Receipt Date/Time: 08/31/12 13:00

Semivolatile Organic Fuels Department

Parameter	Result	LOQ/CL	Units	DF	Analytical Batch	Prep Batch	Qualifiers
Diesel Range Organics	58.6	2.40	mg/L	4	XFC10569	XXX27869	
Residual Range Organics	5.50	2.00	mg/L	4	XFC10569	XXX27869	
5a Androstane <surr>	77	50-150	%	4	XFC10569	XXX27869	
n-Triacontane-d62 <surr>	69.3	50-150	%	4	XFC10569	XXX27869	

Batch Information

Analytical Batch: XFC10569
Analytical Method: AK102
Analysis Date/Time: 09/04/12 20:12
Dilution Factor: 4
Prep Batch: XXX27869
Prep Method: SW3520C
Prep Date/Time: 09/01/12 12:00
Initial Prep Wt./Vol.: 1000 mL
Prep Extract Vol.: 1 mL
Container ID:1124083002-D
Analyst: MEM

Analytical Batch: XFC10569
Analytical Method: AK103
Analysis Date/Time: 09/04/12 20:12
Dilution Factor: 4
Prep Batch: XXX27869
Prep Method: SW3520C
Prep Date/Time: 09/01/12 12:00
Initial Prep Wt./Vol.: 1000 mL
Prep Extract Vol.: 1 mL
Container ID:1124083002-D
Analyst: MEM

Client Sample ID: **MW3-0831**
SGS Ref. #: 1124083003
Project ID: Custom Truck
Matrix: Water (Surface, Eff., Ground)

Collection Date/Time: 08/31/12 09:30
Receipt Date/Time: 08/31/12 13:00

Volatile Fuels Department

Parameter	Result	LOQ/CL	Units	DF	Analytical Batch	Prep Batch	Qualifiers
Benzene	0.500 U	0.500	ug/L	1	VFC11152	VXX23978	
Ethylbenzene	1.00 U	1.00	ug/L	1	VFC11152	VXX23978	
Gasoline Range Organics	0.100 U	0.100	mg/L	1	VFC11152	VXX23978	
o-Xylene	1.00 U	1.00	ug/L	1	VFC11152	VXX23978	
P & M -Xylene	2.00 U	2.00	ug/L	1	VFC11152	VXX23978	
Toluene	1.00 U	1.00	ug/L	1	VFC11152	VXX23978	
1,4-Difluorobenzene <surr>	89.4	77-115	%	1	VFC11152	VXX23978	
4-Bromofluorobenzene <surr>	105	50-150	%	1	VFC11152	VXX23978	

Batch Information

Analytical Batch: VFC11152
Analytical Method: AK101
Analysis Date/Time: 09/06/12 18:05
Dilution Factor: 1
Prep Batch: VXX23978
Prep Method: SW5030B
Prep Date/Time: 09/06/12 08:31
Initial Prep Wt./Vol.: 5 mL
Prep Extract Vol.: 5 mL
Container ID:1124083003-B
Analyst: EAB

Analytical Batch: VFC11152
Analytical Method: SW8021B
Analysis Date/Time: 09/06/12 18:05
Dilution Factor: 1
Prep Batch: VXX23978
Prep Method: SW5030B
Prep Date/Time: 09/06/12 08:31
Initial Prep Wt./Vol.: 5 mL
Prep Extract Vol.: 5 mL
Container ID:1124083003-B
Analyst: EAB

Client Sample ID: **MW3-0831**
SGS Ref. #: 1124083003
Project ID: Custom Truck
Matrix: Water (Surface, Eff., Ground)

Collection Date/Time: 08/31/12 09:30
Receipt Date/Time: 08/31/12 13:00

Semivolatile Organic Fuels Department

Parameter	Result	LOQ/CL	Units	DF	Analytical Batch	Prep Batch	Qualifiers
Diesel Range Organics	0.600 U	0.600	mg/L	1	XFC10569	XXX27869	
Residual Range Organics	0.556	0.500	mg/L	1	XFC10569	XXX27869	
5a Androstane <surr>	84.5	50-150	%	1	XFC10569	XXX27869	
n-Triacontane-d62 <surr>	85.5	50-150	%	1	XFC10569	XXX27869	

Batch Information

Analytical Batch: XFC10569
Analytical Method: AK102
Analysis Date/Time: 09/04/12 16:20
Dilution Factor: 1
Prep Batch: XXX27869
Prep Method: SW3520C
Prep Date/Time: 09/01/12 12:00
Initial Prep Wt./Vol.: 1000 mL
Prep Extract Vol.: 1 mL
Container ID:1124083003-D
Analyst: MEM

Analytical Batch: XFC10569
Analytical Method: AK103
Analysis Date/Time: 09/04/12 16:20
Dilution Factor: 1
Prep Batch: XXX27869
Prep Method: SW3520C
Prep Date/Time: 09/01/12 12:00
Initial Prep Wt./Vol.: 1000 mL
Prep Extract Vol.: 1 mL
Container ID:1124083003-D
Analyst: MEM

Client Sample ID: **MW5-0829**
SGS Ref. #: 1124083004
Project ID: Custom Truck
Matrix: Water (Surface, Eff., Ground)

Collection Date/Time: 08/29/12 11:45
Receipt Date/Time: 08/31/12 13:00

Volatile Fuels Department

Parameter	Result	LOQ/CL	Units	DF	Analytical Batch	Prep Batch	Qualifiers
Benzene	1.13	0.500	ug/L	1	VFC11152	VXX23978	
Ethylbenzene	1.00 U	1.00	ug/L	1	VFC11152	VXX23978	
Gasoline Range Organics	0.100 U	0.100	mg/L	1	VFC11152	VXX23978	
o-Xylene	1.00 U	1.00	ug/L	1	VFC11152	VXX23978	
P & M -Xylene	2.00 U	2.00	ug/L	1	VFC11152	VXX23978	
Toluene	1.00 U	1.00	ug/L	1	VFC11152	VXX23978	
1,4-Difluorobenzene <surr>	91	77-115	%	1	VFC11152	VXX23978	
4-Bromofluorobenzene <surr>	102	50-150	%	1	VFC11152	VXX23978	

Batch Information

Analytical Batch: VFC11152
Analytical Method: AK101
Analysis Date/Time: 09/06/12 18:23
Dilution Factor: 1
Prep Batch: VXX23978
Prep Method: SW5030B
Prep Date/Time: 09/06/12 08:31
Initial Prep Wt./Vol.: 5 mL
Prep Extract Vol.: 5 mL
Container ID:1124083004-B
Analyst: EAB

Analytical Batch: VFC11152
Analytical Method: SW8021B
Analysis Date/Time: 09/06/12 18:23
Dilution Factor: 1
Prep Batch: VXX23978
Prep Method: SW5030B
Prep Date/Time: 09/06/12 08:31
Initial Prep Wt./Vol.: 5 mL
Prep Extract Vol.: 5 mL
Container ID:1124083004-B
Analyst: EAB

Client Sample ID: **MW5-0829**
SGS Ref. #: 1124083004
Project ID: Custom Truck
Matrix: Water (Surface, Eff., Ground)

Collection Date/Time: 08/29/12 11:45
Receipt Date/Time: 08/31/12 13:00

Semivolatile Organic Fuels Department

Parameter	Result	LOQ/CL	Units	DF	Analytical Batch	Prep Batch	Qualifiers
Diesel Range Organics	0.600 U	0.600	mg/L	1	XFC10569	XXX27869	
Residual Range Organics	0.974	0.500	mg/L	1	XFC10569	XXX27869	
5a Androstane <surr>	69.3	50-150	%	1	XFC10569	XXX27869	
n-Triacontane-d62 <surr>	68.9	50-150	%	1	XFC10569	XXX27869	

Batch Information

Analytical Batch: XFC10569
Analytical Method: AK102
Analysis Date/Time: 09/04/12 16:30
Dilution Factor: 1
Prep Batch: XXX27869
Prep Method: SW3520C
Prep Date/Time: 09/01/12 12:00
Initial Prep Wt./Vol.: 1000 mL
Prep Extract Vol.: 1 mL
Container ID:1124083004-D
Analyst: MEM

Analytical Batch: XFC10569
Analytical Method: AK103
Analysis Date/Time: 09/04/12 16:30
Dilution Factor: 1
Prep Batch: XXX27869
Prep Method: SW3520C
Prep Date/Time: 09/01/12 12:00
Initial Prep Wt./Vol.: 1000 mL
Prep Extract Vol.: 1 mL
Container ID:1124083004-D
Analyst: MEM

Client Sample ID: **MW8-0829**
SGS Ref. #: 1124083005
Project ID: Custom Truck
Matrix: Water (Surface, Eff., Ground)

Collection Date/Time: 08/29/12 19:45
Receipt Date/Time: 08/31/12 13:00

Volatile Fuels Department

Parameter	Result	LOQ/CL	Units	DF	Analytical Batch	Prep Batch	Qualifiers
Benzene	355	2.50	ug/L	5	VFC11152	VXX23978	
Ethylbenzene	5.00 U	5.00	ug/L	5	VFC11152	VXX23978	
Gasoline Range Organics	0.790	0.500	mg/L	5	VFC11152	VXX23978	
o-Xylene	5.00 U	5.00	ug/L	5	VFC11152	VXX23978	
P & M -Xylene	10.0 U	10.0	ug/L	5	VFC11152	VXX23978	
Toluene	5.00 U	5.00	ug/L	5	VFC11152	VXX23978	
1,4-Difluorobenzene <surr>	94.5	77-115	%	5	VFC11152	VXX23978	
4-Bromofluorobenzene <surr>	102	50-150	%	5	VFC11152	VXX23978	

Batch Information

Analytical Batch: VFC11152
Analytical Method: AK101
Analysis Date/Time: 09/06/12 15:00
Dilution Factor: 5
Prep Batch: VXX23978
Prep Method: SW5030B
Prep Date/Time: 09/06/12 08:31
Initial Prep Wt./Vol.: 5 mL
Prep Extract Vol.: 5 mL
Container ID:1124083005-B
Analyst: EAB

Analytical Batch: VFC11152
Analytical Method: SW8021B
Analysis Date/Time: 09/06/12 15:00
Dilution Factor: 5
Prep Batch: VXX23978
Prep Method: SW5030B
Prep Date/Time: 09/06/12 08:31
Initial Prep Wt./Vol.: 5 mL
Prep Extract Vol.: 5 mL
Container ID:1124083005-B
Analyst: EAB

Client Sample ID: **MW8-0829**
SGS Ref. #: 1124083005
Project ID: Custom Truck
Matrix: Water (Surface, Eff., Ground)

Collection Date/Time: 08/29/12 19:45
Receipt Date/Time: 08/31/12 13:00

Semivolatile Organic Fuels Department

Parameter	Result	LOQ/CL	Units	DF	Analytical Batch	Prep Batch	Qualifiers
Diesel Range Organics	0.600 U	0.600	mg/L	1	XFC10569	XXX27869	
Residual Range Organics	0.506	0.500	mg/L	1	XFC10569	XXX27869	
5a Androstane <surr>	71	50-150	%	1	XFC10569	XXX27869	
n-Triacontane-d62 <surr>	71.1	50-150	%	1	XFC10569	XXX27869	

Batch Information

Analytical Batch: XFC10569
Analytical Method: AK102
Analysis Date/Time: 09/04/12 16:40
Dilution Factor: 1
Prep Batch: XXX27869
Prep Method: SW3520C
Prep Date/Time: 09/01/12 12:00
Initial Prep Wt./Vol.: 1000 mL
Prep Extract Vol.: 1 mL
Container ID:1124083005-D
Analyst: MEM

Analytical Batch: XFC10569
Analytical Method: AK103
Analysis Date/Time: 09/04/12 16:40
Dilution Factor: 1
Prep Batch: XXX27869
Prep Method: SW3520C
Prep Date/Time: 09/01/12 12:00
Initial Prep Wt./Vol.: 1000 mL
Prep Extract Vol.: 1 mL
Container ID:1124083005-D
Analyst: MEM

Client Sample ID: **MW10-0829**
SGS Ref. #: 1124083006
Project ID: Custom Truck
Matrix: Water (Surface, Eff., Ground)

Collection Date/Time: 08/29/12 13:15
Receipt Date/Time: 08/31/12 13:00

Volatile Fuels Department

Parameter	Result	LOQ/CL	Units	DF	Analytical Batch	Prep Batch	Qualifiers
Benzene	0.500 U	0.500	ug/L	1	VFC11152	VXX23978	
Ethylbenzene	1.00 U	1.00	ug/L	1	VFC11152	VXX23978	
Gasoline Range Organics	0.100 U	0.100	mg/L	1	VFC11152	VXX23978	
o-Xylene	1.00 U	1.00	ug/L	1	VFC11152	VXX23978	
P & M -Xylene	2.00 U	2.00	ug/L	1	VFC11152	VXX23978	
Toluene	1.00 U	1.00	ug/L	1	VFC11152	VXX23978	
1,4-Difluorobenzene <surr>	91.4	77-115	%	1	VFC11152	VXX23978	
4-Bromofluorobenzene <surr>	98	50-150	%	1	VFC11152	VXX23978	

Batch Information

Analytical Batch: VFC11152
Analytical Method: AK101
Analysis Date/Time: 09/06/12 18:41
Dilution Factor: 1
Prep Batch: VXX23978
Prep Method: SW5030B
Prep Date/Time: 09/06/12 08:31
Initial Prep Wt./Vol.: 5 mL
Prep Extract Vol.: 5 mL
Container ID:1124083006-B
Analyst: EAB

Analytical Batch: VFC11152
Analytical Method: SW8021B
Analysis Date/Time: 09/06/12 18:41
Dilution Factor: 1
Prep Batch: VXX23978
Prep Method: SW5030B
Prep Date/Time: 09/06/12 08:31
Initial Prep Wt./Vol.: 5 mL
Prep Extract Vol.: 5 mL
Container ID:1124083006-B
Analyst: EAB

Client Sample ID: **MW10-0829**
SGS Ref. #: 1124083006
Project ID: Custom Truck
Matrix: Water (Surface, Eff., Ground)

Collection Date/Time: 08/29/12 13:15
Receipt Date/Time: 08/31/12 13:00

Semivolatile Organic Fuels Department

Parameter	Result	LOQ/CL	Units	DF	Analytical Batch	Prep Batch	Qualifiers
Diesel Range Organics	0.612 U	0.612	mg/L	1	XFC10569	XXX27869	
Residual Range Organics	0.510 U	0.510	mg/L	1	XFC10569	XXX27869	
5a Androstane <surr>	73.2	50-150	%	1	XFC10569	XXX27869	
n-Triacontane-d62 <surr>	75.5	50-150	%	1	XFC10569	XXX27869	

Batch Information

Analytical Batch: XFC10569
Analytical Method: AK102
Analysis Date/Time: 09/04/12 16:50
Dilution Factor: 1
Prep Batch: XXX27869
Prep Method: SW3520C
Prep Date/Time: 09/01/12 12:00
Initial Prep Wt./Vol.: 980 mL
Prep Extract Vol.: 1 mL
Container ID:1124083006-D
Analyst: MEM

Analytical Batch: XFC10569
Analytical Method: AK103
Analysis Date/Time: 09/04/12 16:50
Dilution Factor: 1
Prep Batch: XXX27869
Prep Method: SW3520C
Prep Date/Time: 09/01/12 12:00
Initial Prep Wt./Vol.: 980 mL
Prep Extract Vol.: 1 mL
Container ID:1124083006-D
Analyst: MEM

Client Sample ID: **MW11-0830**
SGS Ref. #: 1124083007
Project ID: Custom Truck
Matrix: Water (Surface, Eff., Ground)

Collection Date/Time: 08/29/12 10:15
Receipt Date/Time: 08/31/12 13:00

Volatile Fuels Department

Parameter	Result	LOQ/CL	Units	DF	Analytical Batch	Prep Batch	Qualifiers
Benzene	0.500 U	0.500	ug/L	1	VFC11152	VXX23978	
Ethylbenzene	1.00 U	1.00	ug/L	1	VFC11152	VXX23978	
Gasoline Range Organics	0.100 U	0.100	mg/L	1	VFC11152	VXX23978	
o-Xylene	1.00 U	1.00	ug/L	1	VFC11152	VXX23978	
P & M -Xylene	2.00 U	2.00	ug/L	1	VFC11152	VXX23978	
Toluene	1.00 U	1.00	ug/L	1	VFC11152	VXX23978	
1,4-Difluorobenzene <surr>	89.5	77-115	%	1	VFC11152	VXX23978	
4-Bromofluorobenzene <surr>	104	50-150	%	1	VFC11152	VXX23978	

Batch Information

Analytical Batch: VFC11152
Analytical Method: AK101
Analysis Date/Time: 09/06/12 19:00
Dilution Factor: 1
Prep Batch: VXX23978
Prep Method: SW5030B
Prep Date/Time: 09/06/12 08:31
Initial Prep Wt./Vol.: 5 mL
Prep Extract Vol.: 5 mL
Container ID:1124083007-B
Analyst: EAB

Analytical Batch: VFC11152
Analytical Method: SW8021B
Analysis Date/Time: 09/06/12 19:00
Dilution Factor: 1
Prep Batch: VXX23978
Prep Method: SW5030B
Prep Date/Time: 09/06/12 08:31
Initial Prep Wt./Vol.: 5 mL
Prep Extract Vol.: 5 mL
Container ID:1124083007-B
Analyst: EAB

Client Sample ID: **MW11-0830**
SGS Ref. #: 1124083007
Project ID: Custom Truck
Matrix: Water (Surface, Eff., Ground)

Collection Date/Time: 08/29/12 10:15
Receipt Date/Time: 08/31/12 13:00

Semivolatile Organic Fuels Department

Parameter	Result	LOQ/CL	Units	DF	Analytical Batch	Prep Batch	Qualifiers
Diesel Range Organics	0.600 U	0.600	mg/L	1	XFC10569	XXX27869	
Residual Range Organics	0.601	0.500	mg/L	1	XFC10569	XXX27869	
5a Androstane <surr>	60.3	50-150	%	1	XFC10569	XXX27869	
n-Triacontane-d62 <surr>	61.3	50-150	%	1	XFC10569	XXX27869	

Batch Information

Analytical Batch: XFC10569
Analytical Method: AK102
Analysis Date/Time: 09/04/12 17:41
Dilution Factor: 1
Prep Batch: XXX27869
Prep Method: SW3520C
Prep Date/Time: 09/01/12 12:00
Initial Prep Wt./Vol.: 1000 mL
Prep Extract Vol.: 1 mL
Container ID:1124083007-D
Analyst: MEM

Analytical Batch: XFC10569
Analytical Method: AK103
Analysis Date/Time: 09/04/12 17:41
Dilution Factor: 1
Prep Batch: XXX27869
Prep Method: SW3520C
Prep Date/Time: 09/01/12 12:00
Initial Prep Wt./Vol.: 1000 mL
Prep Extract Vol.: 1 mL
Container ID:1124083007-D
Analyst: MEM

Client Sample ID: **MW13-0830**
SGS Ref. #: 1124083008
Project ID: Custom Truck
Matrix: Water (Surface, Eff., Ground)

Collection Date/Time: 08/29/12 18:40
Receipt Date/Time: 08/31/12 13:00

Volatile Fuels Department

Parameter	Result	LOQ/CL	Units	DF	Analytical Batch	Prep Batch	Qualifiers
Benzene	19600	50.0	ug/L	100	VFC11152	VXX23978	
Ethylbenzene	5290	100	ug/L	100	VFC11152	VXX23978	
Gasoline Range Organics	217	10.0	mg/L	100	VFC11152	VXX23978	
o-Xylene	8300	100	ug/L	100	VFC11152	VXX23978	
P & M -Xylene	18400	200	ug/L	100	VFC11152	VXX23978	
Toluene	63900	500	ug/L	500	VFC11152	VXX23978	
1,4-Difluorobenzene <surr>	93.8	77-115	%	100	VFC11152	VXX23978	
4-Bromofluorobenzene <surr>	109	50-150	%	100	VFC11152	VXX23978	

Batch Information

Analytical Batch: VFC11152
Analytical Method: AK101
Analysis Date/Time: 09/06/12 12:35
Dilution Factor: 100
Prep Batch: VXX23978
Prep Method: SW5030B
Prep Date/Time: 09/06/12 08:31
Initial Prep Wt./Vol.: 5 mL
Prep Extract Vol.: 5 mL
Container ID:1124083008-B
Analyst: EAB

Analytical Batch: VFC11152
Analytical Method: SW8021B
Analysis Date/Time: 09/06/12 12:35
Dilution Factor: 100
Prep Batch: VXX23978
Prep Method: SW5030B
Prep Date/Time: 09/06/12 08:31
Initial Prep Wt./Vol.: 5 mL
Prep Extract Vol.: 5 mL
Container ID:1124083008-B
Analyst: EAB

Analytical Batch: VFC11152
Analytical Method: SW8021B
Analysis Date/Time: 09/06/12 16:14
Dilution Factor: 500
Prep Batch: VXX23978
Prep Method: SW5030B
Prep Date/Time: 09/06/12 08:31
Initial Prep Wt./Vol.: 5 mL
Prep Extract Vol.: 5 mL
Container ID:1124083008-B
Analyst: EAB

Client Sample ID: **MW13-0830**
SGS Ref. #: 1124083008
Project ID: Custom Truck
Matrix: Water (Surface, Eff., Ground)

Collection Date/Time: 08/29/12 18:40
Receipt Date/Time: 08/31/12 13:00

Semivolatile Organic Fuels Department

Parameter	Result	LOQ/CL	Units	DF	Analytical Batch	Prep Batch	Qualifiers
Diesel Range Organics	20.1	1.20	mg/L	2	XFC10575	XXX27869	
Residual Range Organics	1.75	0.500	mg/L	1	XFC10569	XXX27869	
5a Androstane <surr>	80.7	50-150	%	2	XFC10575	XXX27869	
n-Triacontane-d62 <surr>	72.4	50-150	%	1	XFC10569	XXX27869	

Batch Information

Analytical Batch: XFC10569
Analytical Method: AK103
Analysis Date/Time: 09/04/12 17:51
Dilution Factor: 1
Prep Batch: XXX27869
Prep Method: SW3520C
Prep Date/Time: 09/01/12 12:00
Initial Prep Wt./Vol.: 1000 mL
Prep Extract Vol.: 1 mL
Container ID:1124083008-D
Analyst: MEM

Analytical Batch: XFC10575
Analytical Method: AK102
Analysis Date/Time: 09/05/12 17:40
Dilution Factor: 2
Prep Batch: XXX27869
Prep Method: SW3520C
Prep Date/Time: 09/01/12 12:00
Initial Prep Wt./Vol.: 1000 mL
Prep Extract Vol.: 1 mL
Container ID:1124083008-D
Analyst: MEM

Client Sample ID: **MW14-0830**
SGS Ref. #: 1124083009
Project ID: Custom Truck
Matrix: Water (Surface, Eff., Ground)

Collection Date/Time: 08/29/12 17:00
Receipt Date/Time: 08/31/12 13:00

Volatile Fuels Department

Parameter	Result	LOQ/CL	Units	DF	Analytical Batch	Prep Batch	Qualifiers
Benzene	19600	50.0	ug/L	100	VFC11152	VXX23978	
Ethylbenzene	2510	100	ug/L	100	VFC11152	VXX23978	
Gasoline Range Organics	118	10.0	mg/L	100	VFC11152	VXX23978	
o-Xylene	4480	100	ug/L	100	VFC11152	VXX23978	
P & M -Xylene	10300	200	ug/L	100	VFC11152	VXX23978	
Toluene	26100	200	ug/L	200	VFC11152	VXX23978	
1,4-Difluorobenzene <surr>	92.1	77-115	%	100	VFC11152	VXX23978	
4-Bromofluorobenzene <surr>	103	50-150	%	100	VFC11152	VXX23978	

Batch Information

Analytical Batch: VFC11152
Analytical Method: AK101
Analysis Date/Time: 09/06/12 13:09
Dilution Factor: 100
Prep Batch: VXX23978
Prep Method: SW5030B
Prep Date/Time: 09/06/12 08:31
Initial Prep Wt./Vol.: 5 mL
Prep Extract Vol.: 5 mL
Container ID:1124083009-B
Analyst: EAB

Analytical Batch: VFC11152
Analytical Method: SW8021B
Analysis Date/Time: 09/06/12 13:09
Dilution Factor: 100
Prep Batch: VXX23978
Prep Method: SW5030B
Prep Date/Time: 09/06/12 08:31
Initial Prep Wt./Vol.: 5 mL
Prep Extract Vol.: 5 mL
Container ID:1124083009-B
Analyst: EAB

Analytical Batch: VFC11152
Analytical Method: SW8021B
Analysis Date/Time: 09/06/12 16:32
Dilution Factor: 200
Prep Batch: VXX23978
Prep Method: SW5030B
Prep Date/Time: 09/06/12 08:31
Initial Prep Wt./Vol.: 5 mL
Prep Extract Vol.: 5 mL
Container ID:1124083009-B
Analyst: EAB

Client Sample ID: **MW14-0830**
SGS Ref. #: 1124083009
Project ID: Custom Truck
Matrix: Water (Surface, Eff., Ground)

Collection Date/Time: 08/29/12 17:00
Receipt Date/Time: 08/31/12 13:00

Semivolatile Organic Fuels Department

Parameter	Result	LOQ/CL	Units	DF	Analytical Batch	Prep Batch	Qualifiers
Diesel Range Organics	58.6	2.40	mg/L	4	XFC10569	XXX27869	
Residual Range Organics	8.88	2.00	mg/L	4	XFC10569	XXX27869	
5a Androstane <surr>	53.1	50-150	%	4	XFC10569	XXX27869	
n-Triacontane-d62 <surr>	50.2	50-150	%	4	XFC10569	XXX27869	

Batch Information

Analytical Batch: XFC10569
Analytical Method: AK102
Analysis Date/Time: 09/04/12 20:23
Dilution Factor: 4
Prep Batch: XXX27869
Prep Method: SW3520C
Prep Date/Time: 09/01/12 12:00
Initial Prep Wt./Vol.: 1000 mL
Prep Extract Vol.: 1 mL
Container ID:1124083009-D
Analyst: MEM

Analytical Batch: XFC10569
Analytical Method: AK103
Analysis Date/Time: 09/04/12 20:23
Dilution Factor: 4
Prep Batch: XXX27869
Prep Method: SW3520C
Prep Date/Time: 09/01/12 12:00
Initial Prep Wt./Vol.: 1000 mL
Prep Extract Vol.: 1 mL
Container ID:1124083009-D
Analyst: MEM

Client Sample ID: **MW15-0829**
SGS Ref. #: 1124083010
Project ID: Custom Truck
Matrix: Water (Surface, Eff., Ground)

Collection Date/Time: 08/29/12 20:45
Receipt Date/Time: 08/31/12 13:00

Volatile Fuels Department

Parameter	Result	LOQ/CL	Units	DF	Analytical Batch	Prep Batch	Qualifiers
Benzene	46.7	0.500	ug/L	1	VFC11152	VXX23978	
Ethylbenzene	22.9	1.00	ug/L	1	VFC11152	VXX23978	
Gasoline Range Organics	1.33	0.100	mg/L	1	VFC11152	VXX23978	
o-Xylene	33.2	1.00	ug/L	1	VFC11152	VXX23978	
P & M -Xylene	78.7	2.00	ug/L	1	VFC11152	VXX23978	
Toluene	51.4	1.00	ug/L	1	VFC11152	VXX23978	
1,4-Difluorobenzene <surr>	92	77-115	%	1	VFC11152	VXX23978	
4-Bromofluorobenzene <surr>	110	50-150	%	1	VFC11152	VXX23978	

Batch Information

Analytical Batch: VFC11152
Analytical Method: AK101
Analysis Date/Time: 09/06/12 17:46
Dilution Factor: 1
Prep Batch: VXX23978
Prep Method: SW5030B
Prep Date/Time: 09/06/12 08:31
Initial Prep Wt./Vol.: 5 mL
Prep Extract Vol.: 5 mL
Container ID:1124083010-B
Analyst: EAB

Analytical Batch: VFC11152
Analytical Method: SW8021B
Analysis Date/Time: 09/06/12 17:46
Dilution Factor: 1
Prep Batch: VXX23978
Prep Method: SW5030B
Prep Date/Time: 09/06/12 08:31
Initial Prep Wt./Vol.: 5 mL
Prep Extract Vol.: 5 mL
Container ID:1124083010-B
Analyst: EAB

Client Sample ID: **MW15-0829**
SGS Ref. #: 1124083010
Project ID: Custom Truck
Matrix: Water (Surface, Eff., Ground)

Collection Date/Time: 08/29/12 20:45
Receipt Date/Time: 08/31/12 13:00

Semivolatile Organic Fuels Department

Parameter	Result	LOQ/CL	Units	DF	Analytical Batch	Prep Batch	Qualifiers
Diesel Range Organics	1.03	0.600	mg/L	1	XFC10569	XXX27869	
Residual Range Organics	1.01	0.500	mg/L	1	XFC10569	XXX27869	
5a Androstane <surr>	54.2	50-150	%	1	XFC10569	XXX27869	
n-Triacontane-d62 <surr>	54.1	50-150	%	1	XFC10569	XXX27869	

Batch Information

Analytical Batch: XFC10569
Analytical Method: AK102
Analysis Date/Time: 09/04/12 18:11
Dilution Factor: 1
Prep Batch: XXX27869
Prep Method: SW3520C
Prep Date/Time: 09/01/12 12:00
Initial Prep Wt./Vol.: 1000 mL
Prep Extract Vol.: 1 mL
Container ID:1124083010-D
Analyst: MEM

Analytical Batch: XFC10569
Analytical Method: AK103
Analysis Date/Time: 09/04/12 18:11
Dilution Factor: 1
Prep Batch: XXX27869
Prep Method: SW3520C
Prep Date/Time: 09/01/12 12:00
Initial Prep Wt./Vol.: 1000 mL
Prep Extract Vol.: 1 mL
Container ID:1124083010-D
Analyst: MEM

Client Sample ID: **MW17-0830**
SGS Ref. #: 1124083011
Project ID: Custom Truck
Matrix: Water (Surface, Eff., Ground)

Collection Date/Time: 08/30/12 19:45
Receipt Date/Time: 08/31/12 13:00

Volatile Fuels Department

Parameter	Result	LOQ/CL	Units	DF	Analytical Batch	Prep Batch	Qualifiers
Benzene	2370	25.0	ug/L	50	VFC11152	VXX23978	
Ethylbenzene	1090	50.0	ug/L	50	VFC11152	VXX23978	
Gasoline Range Organics	30.4	5.00	mg/L	50	VFC11152	VXX23978	
o-Xylene	2760	50.0	ug/L	50	VFC11152	VXX23978	
P & M -Xylene	4760	100	ug/L	50	VFC11152	VXX23978	
Toluene	4200	50.0	ug/L	50	VFC11152	VXX23978	
1,4-Difluorobenzene <surr>	92.6	77-115	%	50	VFC11152	VXX23978	
4-Bromofluorobenzene <surr>	106	50-150	%	50	VFC11152	VXX23978	

Batch Information

Analytical Batch: VFC11152
Analytical Method: AK101
Analysis Date/Time: 09/06/12 13:46
Dilution Factor: 50
Prep Batch: VXX23978
Prep Method: SW5030B
Prep Date/Time: 09/06/12 08:31
Initial Prep Wt./Vol.: 5 mL
Prep Extract Vol.: 5 mL
Container ID:1124083011-B
Analyst: EAB

Analytical Batch: VFC11152
Analytical Method: SW8021B
Analysis Date/Time: 09/06/12 13:46
Dilution Factor: 50
Prep Batch: VXX23978
Prep Method: SW5030B
Prep Date/Time: 09/06/12 08:31
Initial Prep Wt./Vol.: 5 mL
Prep Extract Vol.: 5 mL
Container ID:1124083011-B
Analyst: EAB

Client Sample ID: **MW17-0830**
SGS Ref. #: 1124083011
Project ID: Custom Truck
Matrix: Water (Surface, Eff., Ground)

Collection Date/Time: 08/30/12 19:45
Receipt Date/Time: 08/31/12 13:00

Semivolatile Organic Fuels Department

Parameter	Result	LOQ/CL	Units	DF	Analytical Batch	Prep Batch	Qualifiers
Diesel Range Organics	21.0	1.20	mg/L	2	XFC10575	XXX27869	
Residual Range Organics	1.65	0.500	mg/L	1	XFC10569	XXX27869	
5a Androstane <surr>	65.7	50-150	%	2	XFC10575	XXX27869	
n-Triacontane-d62 <surr>	64.1	50-150	%	1	XFC10569	XXX27869	

Batch Information

Analytical Batch: XFC10569
Analytical Method: AK103
Analysis Date/Time: 09/04/12 18:21
Dilution Factor: 1
Prep Batch: XXX27869
Prep Method: SW3520C
Prep Date/Time: 09/01/12 12:00
Initial Prep Wt./Vol.: 1000 mL
Prep Extract Vol.: 1 mL
Container ID:1124083011-D
Analyst: MEM

Analytical Batch: XFC10575
Analytical Method: AK102
Analysis Date/Time: 09/05/12 17:50
Dilution Factor: 2
Prep Batch: XXX27869
Prep Method: SW3520C
Prep Date/Time: 09/01/12 12:00
Initial Prep Wt./Vol.: 1000 mL
Prep Extract Vol.: 1 mL
Container ID:1124083011-D
Analyst: MEM

Client Sample ID: **BGVE-0830**
SGS Ref. #: 1124083012
Project ID: Custom Truck
Matrix: Water (Surface, Eff., Ground)

Collection Date/Time: 08/30/12 18:30
Receipt Date/Time: 08/31/12 13:00

Volatile Fuels Department

Parameter	Result	LOQ/CL	Units	DF	Analytical Batch	Prep Batch	Qualifiers
Benzene	1060	5.00	ug/L	10	VFC11152	VXX23978	
Ethylbenzene	122	10.0	ug/L	10	VFC11152	VXX23978	
Gasoline Range Organics	8.29	1.00	mg/L	10	VFC11152	VXX23978	
o-Xylene	489	10.0	ug/L	10	VFC11152	VXX23978	
P & M -Xylene	650	20.0	ug/L	10	VFC11152	VXX23978	
Toluene	1430	10.0	ug/L	10	VFC11152	VXX23978	
1,4-Difluorobenzene <surr>	94.1	77-115	%	10	VFC11152	VXX23978	
4-Bromofluorobenzene <surr>	108	50-150	%	10	VFC11152	VXX23978	

Batch Information

Analytical Batch: VFC11152
Analytical Method: AK101
Analysis Date/Time: 09/06/12 15:37
Dilution Factor: 10
Prep Batch: VXX23978
Prep Method: SW5030B
Prep Date/Time: 09/06/12 08:31
Initial Prep Wt./Vol.: 5 mL
Prep Extract Vol.: 5 mL
Container ID:1124083012-B
Analyst: EAB

Analytical Batch: VFC11152
Analytical Method: SW8021B
Analysis Date/Time: 09/06/12 15:37
Dilution Factor: 10
Prep Batch: VXX23978
Prep Method: SW5030B
Prep Date/Time: 09/06/12 08:31
Initial Prep Wt./Vol.: 5 mL
Prep Extract Vol.: 5 mL
Container ID:1124083012-B
Analyst: EAB

Client Sample ID: **BGVE-0830**
SGS Ref. #: 1124083012
Project ID: Custom Truck
Matrix: Water (Surface, Eff., Ground)

Collection Date/Time: 08/30/12 18:30
Receipt Date/Time: 08/31/12 13:00

Semivolatile Organic Fuels Department

Parameter	Result	LOQ/CL	Units	DF	Analytical Batch	Prep Batch	Qualifiers
Diesel Range Organics	4.69	0.600	mg/L	1	XFC10569	XXX27869	
Residual Range Organics	1.43	0.500	mg/L	1	XFC10569	XXX27869	
5a Androstane <surr>	70.8	50-150	%	1	XFC10569	XXX27869	
n-Triacontane-d62 <surr>	67.5	50-150	%	1	XFC10569	XXX27869	

Batch Information

Analytical Batch: XFC10569
Analytical Method: AK102
Analysis Date/Time: 09/04/12 18:31
Dilution Factor: 1
Prep Batch: XXX27869
Prep Method: SW3520C
Prep Date/Time: 09/01/12 12:00
Initial Prep Wt./Vol.: 1000 mL
Prep Extract Vol.: 1 mL
Container ID:1124083012-D
Analyst: MEM

Analytical Batch: XFC10569
Analytical Method: AK103
Analysis Date/Time: 09/04/12 18:31
Dilution Factor: 1
Prep Batch: XXX27869
Prep Method: SW3520C
Prep Date/Time: 09/01/12 12:00
Initial Prep Wt./Vol.: 1000 mL
Prep Extract Vol.: 1 mL
Container ID:1124083012-D
Analyst: MEM

Client Sample ID: **Facility Well**
SGS Ref. #: 1124083013
Project ID: Custom Truck
Matrix: Drinking Water

Collection Date/Time: 08/30/12 16:30
Receipt Date/Time: 08/31/12 13:00

Volatile Gas Chromatography/Mass Spectroscopy

Parameter	Result	LOQ/CL	Units	DF	Analytical Batch	Prep Batch	Qualifiers
1,1,1,2-Tetrachloroethane	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
1,1,1-Trichloroethane	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
1,1,2,2-Tetrachloroethane	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
1,1,2-Trichloroethane	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
1,1-Dichloroethane	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
1,1-Dichloroethene	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
1,1-Dichloropropene	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
1,2,3-Trichlorobenzene	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
1,2,3-Trichloropropane	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
1,2,4-Trichlorobenzene	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
1,2,4-Trimethylbenzene	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
1,2-Dibromo-3-chloropropane	2.00 U	2.00	ug/L	1	VMS13080	VXX23959	
1,2-Dibromoethane	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
1,2-Dichlorobenzene	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
1,2-Dichloroethane	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
1,2-Dichloropropane	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
1,3,5-Trimethylbenzene	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
1,3-Dichlorobenzene	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
1,3-Dichloropropane	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
1,4-Dichlorobenzene	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
2,2-Dichloropropane	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
2-Chlorotoluene	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
4-Chlorotoluene	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
4-Isopropyltoluene	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
Benzene	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
Bromobenzene	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
Bromochloromethane	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
Bromodichloromethane	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
Bromoform	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
Bromomethane	2.00 U	2.00	ug/L	1	VMS13080	VXX23959	
Carbon tetrachloride	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
Chlorobenzene	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
Chloroethane	1.00 U	1.00	ug/L	1	VMS13080	VXX23959	
Chloroform	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
Chloromethane	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
cis-1,2-Dichloroethene	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	

Client Sample ID: **Facility Well**
SGS Ref. #: 1124083013
Project ID: Custom Truck
Matrix: Drinking Water

Collection Date/Time: 08/30/12 16:30
Receipt Date/Time: 08/31/12 13:00

Volatile Gas Chromatography/Mass Spectroscopy

Parameter	Result	LOQ/CL	Units	DF	Analytical Batch	Prep Batch	Qualifiers
cis-1,3-Dichloropropene	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
Dibromochloromethane	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
Dibromomethane	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
Dichlorodifluoromethane	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
Ethylbenzene	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
Hexachlorobutadiene	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
Isopropylbenzene (Cumene)	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
Methylene chloride	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
Methyl-t-butyl ether	1.00 U	1.00	ug/L	1	VMS13080	VXX23959	
Naphthalene	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
n-Butylbenzene	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
n-Propylbenzene	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
o-Xylene	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
P & M -Xylene	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
sec-Butylbenzene	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
Styrene	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
tert-Butylbenzene	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
Tetrachloroethene	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
Toluene	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
Total Trihalomethanes	2.00 U	2.00	ug/L	1	VMS13080	VXX23959	
trans-1,2-Dichloroethene	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
trans-1,3-Dichloropropene	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
Trichloroethene	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
Trichlorofluoromethane	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
Vinyl chloride	0.400 U	0.400	ug/L	1	VMS13080	VXX23959	
Xylenes (total)	1.00 U	1.00	ug/L	1	VMS13080	VXX23959	
1,2-Dichloroethane-D4 <surr>	112	70-130	%	1	VMS13080	VXX23959	
4-Bromofluorobenzene <surr>	92.6	70-130	%	1	VMS13080	VXX23959	
Toluene-d8 <surr>	94.3	70-130	%	1	VMS13080	VXX23959	

Batch Information

Analytical Batch: VMS13080
Analytical Method: EPA 524.2
Analysis Date/Time: 09/04/12 18:04
Dilution Factor: 1

Prep Batch: VXX23959
Prep Method: SW5030B
Prep Date/Time: 09/04/12 08:00

Initial Prep Wt./Vol.: 5 mL
Prep Extract Vol.: 5 mL
Container ID:1124083013-A
Analyst: JDH

Client Sample ID: **TRIPBLANK (HCL ONLY)**
SGS Ref. #: 1124083014
Project ID: Custom Truck
Matrix: Water (Surface, Eff., Ground)

Collection Date/Time: 08/30/12 16:30
Receipt Date/Time: 08/31/12 13:00

Volatile Fuels Department

Parameter	Result	LOQ/CL	Units	DF	Analytical Batch	Prep Batch	Qualifiers
Benzene	0.500 U	0.500	ug/L	1	VFC11152	VXX23978	
Ethylbenzene	1.00 U	1.00	ug/L	1	VFC11152	VXX23978	
Gasoline Range Organics	0.100 U	0.100	mg/L	1	VFC11152	VXX23978	
o-Xylene	1.00 U	1.00	ug/L	1	VFC11152	VXX23978	
P & M -Xylene	2.00 U	2.00	ug/L	1	VFC11152	VXX23978	
Toluene	1.00 U	1.00	ug/L	1	VFC11152	VXX23978	
1,4-Difluorobenzene <surr>	91.8	77-115	%	1	VFC11152	VXX23978	
4-Bromofluorobenzene <surr>	106	50-150	%	1	VFC11152	VXX23978	

Batch Information

Analytical Batch: VFC11152
Analytical Method: AK101
Analysis Date/Time: 09/06/12 19:55
Dilution Factor: 1
Prep Batch: VXX23978
Prep Method: SW5030B
Prep Date/Time: 09/06/12 08:31
Initial Prep Wt./Vol.: 5 mL
Prep Extract Vol.: 5 mL
Container ID:1124083014-C
Analyst: EAB

Analytical Batch: VFC11152
Analytical Method: SW8021B
Analysis Date/Time: 09/06/12 19:55
Dilution Factor: 1
Prep Batch: VXX23978
Prep Method: SW5030B
Prep Date/Time: 09/06/12 08:31
Initial Prep Wt./Vol.: 5 mL
Prep Extract Vol.: 5 mL
Container ID:1124083014-C
Analyst: EAB

Client Sample ID: **TRIPBLANK (HCL ONLY)**
SGS Ref. #: 1124083014
Project ID: Custom Truck
Matrix: Water (Surface, Eff., Ground)

Collection Date/Time: 08/30/12 16:30
Receipt Date/Time: 08/31/12 13:00

Volatile Gas Chromatography/Mass Spectroscopy

Parameter	Result	LOQ/CL	Units	DF	Analytical Batch	Prep Batch	Qualifiers
1,1,1,2-Tetrachloroethane	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
1,1,1-Trichloroethane	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
1,1,2,2-Tetrachloroethane	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
1,1,2-Trichloroethane	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
1,1-Dichloroethane	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
1,1-Dichloroethene	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
1,1-Dichloropropene	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
1,2,3-Trichlorobenzene	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
1,2,3-Trichloropropane	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
1,2,4-Trichlorobenzene	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
1,2,4-Trimethylbenzene	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
1,2-Dibromo-3-chloropropane	2.00 U	2.00	ug/L	1	VMS13080	VXX23959	
1,2-Dibromoethane	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
1,2-Dichlorobenzene	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
1,2-Dichloroethane	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
1,2-Dichloropropane	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
1,3,5-Trimethylbenzene	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
1,3-Dichlorobenzene	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
1,3-Dichloropropane	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
1,4-Dichlorobenzene	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
2,2-Dichloropropane	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
2-Chlorotoluene	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
4-Chlorotoluene	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
4-Isopropyltoluene	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
Benzene	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
Bromobenzene	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
Bromochloromethane	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
Bromodichloromethane	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
Bromoform	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
Bromomethane	2.00 U	2.00	ug/L	1	VMS13080	VXX23959	
Carbon tetrachloride	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
Chlorobenzene	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
Chloroethane	1.00 U	1.00	ug/L	1	VMS13080	VXX23959	
Chloroform	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
Chloromethane	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
cis-1,2-Dichloroethene	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	

Client Sample ID: **TRIPBLANK (HCL ONLY)**
SGS Ref. #: 1124083014
Project ID: Custom Truck
Matrix: Water (Surface, Eff., Ground)

Collection Date/Time: 08/30/12 16:30
Receipt Date/Time: 08/31/12 13:00

Volatile Gas Chromatography/Mass Spectroscopy

Parameter	Result	LOQ/CL	Units	DF	Analytical Batch	Prep Batch	Qualifiers
cis-1,3-Dichloropropene	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
Dibromochloromethane	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
Dibromomethane	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
Dichlorodifluoromethane	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
Ethylbenzene	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
Hexachlorobutadiene	0.610	0.500	ug/L	1	VMS13080	VXX23959	
Isopropylbenzene (Cumene)	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
Methylene chloride	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
Methyl-t-butyl ether	1.00 U	1.00	ug/L	1	VMS13080	VXX23959	
Naphthalene	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
n-Butylbenzene	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
n-Propylbenzene	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
o-Xylene	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
P & M -Xylene	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
sec-Butylbenzene	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
Styrene	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
tert-Butylbenzene	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
Tetrachloroethene	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
Toluene	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
Total Trihalomethanes	2.00 U	2.00	ug/L	1	VMS13080	VXX23959	
trans-1,2-Dichloroethene	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
trans-1,3-Dichloropropene	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
Trichloroethene	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
Trichlorofluoromethane	0.500 U	0.500	ug/L	1	VMS13080	VXX23959	
Vinyl chloride	0.400 U	0.400	ug/L	1	VMS13080	VXX23959	
Xylenes (total)	1.00 U	1.00	ug/L	1	VMS13080	VXX23959	
1,2-Dichloroethane-D4 <surr>	109	70-130	%	1	VMS13080	VXX23959	
4-Bromofluorobenzene <surr>	92	70-130	%	1	VMS13080	VXX23959	
Toluene-d8 <surr>	96.4	70-130	%	1	VMS13080	VXX23959	

Batch Information

Analytical Batch: VMS13080
Analytical Method: EPA 524.2
Analysis Date/Time: 09/04/12 14:58
Dilution Factor: 1

Prep Batch: VXX23959
Prep Method: SW5030B
Prep Date/Time: 09/04/12 08:00

Initial Prep Wt./Vol.: 5 mL
Prep Extract Vol.: 5 mL
Container ID:1124083014-B
Analyst: JDH

SGS Ref.#	1111470	Method Blank	**Printed Date/Time**	09/10/2012 20:13
Client Name	BGES Inc.		**Prep Batch**	XXX27869
Project Name/#	Custom Truck		**Method**	SW3520C
Matrix	Water (Surface, Eff., Ground)		**Date**	09/01/2012

QC results affect the following production samples:

1124083001, 1124083002, 1124083003, 1124083004, 1124083005, 1124083006, 1124083007, 1124083008, 1124083009, 1124083010, 1124083011, 1124083012

Parameter	Results	LOQ/CL	DL	Units	Analysis Date
Semivolatile Organic Fuels Department					
Diesel Range Organics	0.360 U	0.600	0.180	mg/L	09/04/12
Surrogates					
5a Androstane <surr>	90.3	60-120		%	09/04/12
Batch XFC10569					
Method AK102					
Instrument HP 6890 Series II FID SV D F					
Residual Range Organics	0.300 U	0.500	0.150	mg/L	09/04/12
Surrogates					
n-Triacontane-d62 <surr>	91.5	60-120		%	09/04/12
Batch XFC10569					
Method AK103					
Instrument HP 6890 Series II FID SV D F					

SGS Ref.#	1111857	Method Blank	**Printed Date/Time**	09/10/2012 20:13
Client Name	BGES Inc.		**Prep Batch**	VXX23959
Project Name/#	Custom Truck		**Method**	SW5030B
Matrix	Drinking Water		**Date**	09/04/2012

QC results affect the following production samples:

1124083013, 1124083014

Parameter	Results	LOQ/CL	DL	Units	Analysis Date

Volatile Gas Chromatography/Mass Spectroscopy

SGS Ref.#	1111857	Method Blank	**Printed Date/Time**	09/10/2012	20:13
Client Name	BGES Inc.		**Prep Batch**	VXX23959	
Project Name/#	Custom Truck		**Method**	SW5030B	
Matrix	Drinking Water		**Date**	09/04/2012	

Parameter	Results	LOQ/CL	DL	Units	Analysis Date
Volatile Gas Chromatography/Mass Spectroscopy					
1,1,1,2-Tetrachloroethane	0.300 U	0.500	0.150	ug/L	09/04/12
1,1,1-Trichloroethane	0.300 U	0.500	0.150	ug/L	09/04/12
1,1,2,2-Tetrachloroethane	0.300 U	0.500	0.150	ug/L	09/04/12
1,1,2-Trichloroethane	0.300 U	0.500	0.150	ug/L	09/04/12
1,1-Dichloroethane	0.300 U	0.500	0.150	ug/L	09/04/12
1,1-Dichloroethene	0.300 U	0.500	0.150	ug/L	09/04/12
1,1-Dichloropropene	0.300 U	0.500	0.150	ug/L	09/04/12
1,2,3-Trichlorobenzene	0.300 U	0.500	0.150	ug/L	09/04/12
1,2,3-Trichloropropane	0.360 U	0.500	0.180	ug/L	09/04/12
1,2,4-Trichlorobenzene	0.300 U	0.500	0.150	ug/L	09/04/12
1,2,4-Trimethylbenzene	0.300 U	0.500	0.150	ug/L	09/04/12
1,2-Dibromo-3-chloropropane	1.24 U	2.00	0.620	ug/L	09/04/12
1,2-Dibromoethane	0.300 U	0.500	0.150	ug/L	09/04/12
1,2-Dichlorobenzene	0.300 U	0.500	0.150	ug/L	09/04/12
1,2-Dichloroethane	0.300 U	0.500	0.150	ug/L	09/04/12
1,2-Dichloropropane	0.300 U	0.500	0.150	ug/L	09/04/12
1,3,5-Trimethylbenzene	0.300 U	0.500	0.150	ug/L	09/04/12
1,3-Dichlorobenzene	0.300 U	0.500	0.150	ug/L	09/04/12
1,3-Dichloropropane	0.300 U	0.500	0.150	ug/L	09/04/12
1,4-Dichlorobenzene	0.300 U	0.500	0.150	ug/L	09/04/12
2,2-Dichloropropane	0.300 U	0.500	0.150	ug/L	09/04/12
2-Chlorotoluene	0.300 U	0.500	0.150	ug/L	09/04/12
4-Chlorotoluene	0.300 U	0.500	0.150	ug/L	09/04/12
4-Isopropyltoluene	0.300 U	0.500	0.150	ug/L	09/04/12
Benzene	0.300 U	0.500	0.150	ug/L	09/04/12
Bromobenzene	0.300 U	0.500	0.150	ug/L	09/04/12
Bromochloromethane	0.300 U	0.500	0.150	ug/L	09/04/12
Bromodichloromethane	0.300 U	0.500	0.150	ug/L	09/04/12
Bromoform	0.300 U	0.500	0.150	ug/L	09/04/12
Bromomethane	1.24 U	2.00	0.620	ug/L	09/04/12
Carbon tetrachloride	0.300 U	0.500	0.150	ug/L	09/04/12
Chlorobenzene	0.300 U	0.500	0.150	ug/L	09/04/12
Chloroethane	0.620 U	1.00	0.310	ug/L	09/04/12
Chloroform	0.260J	0.500	0.150	ug/L	09/04/12
Chloromethane	0.300 U	0.500	0.150	ug/L	09/04/12
cis-1,2-Dichloroethene	0.300 U	0.500	0.150	ug/L	09/04/12
cis-1,3-Dichloropropene	0.300 U	0.500	0.150	ug/L	09/04/12
Dibromochloromethane	0.300 U	0.500	0.150	ug/L	09/04/12
Dibromomethane	0.300 U	0.500	0.150	ug/L	09/04/12

SGS Ref.#	1111857	Method Blank	**Printed Date/Time**	09/10/2012 20:13
Client Name	BGES Inc.		**Prep Batch**	VXX23959
Project Name/#	Custom Truck		**Method**	SW5030B
Matrix	Drinking Water		**Date**	09/04/2012

Volatile Gas Chromatography/Mass Spectroscopy

Parameter	Results	LOQ/CL	DL	Units	Analysis Date
Dichlorodifluoromethane	0.300 U	0.500	0.150	ug/L	09/04/12
Ethylbenzene	0.300 U	0.500	0.150	ug/L	09/04/12
Hexachlorobutadiene	0.300 U	0.500	0.150	ug/L	09/04/12
Isopropylbenzene (Cumene)	0.300 U	0.500	0.150	ug/L	09/04/12
Methylene chloride	0.300 U	0.500	0.150	ug/L	09/04/12
Methyl-t-butyl ether	1.00 U	1.00	0.500	ug/L	09/04/12
Naphthalene	0.300 U	0.500	0.150	ug/L	09/04/12
n-Butylbenzene	0.300 U	0.500	0.150	ug/L	09/04/12
n-Propylbenzene	0.300 U	0.500	0.150	ug/L	09/04/12
o-Xylene	0.300 U	0.500	0.150	ug/L	09/04/12
P & M -Xylene	0.360 U	0.500	0.180	ug/L	09/04/12
sec-Butylbenzene	0.300 U	0.500	0.150	ug/L	09/04/12
Styrene	0.300 U	0.500	0.150	ug/L	09/04/12
tert-Butylbenzene	0.300 U	0.500	0.150	ug/L	09/04/12
Tetrachloroethene	0.300 U	0.500	0.150	ug/L	09/04/12
Toluene	0.300 U	0.500	0.150	ug/L	09/04/12
trans-1,2-Dichloroethene	0.300 U	0.500	0.150	ug/L	09/04/12
trans-1,3-Dichloropropene	0.300 U	0.500	0.150	ug/L	09/04/12
Trichloroethene	0.300 U	0.500	0.150	ug/L	09/04/12
Trichlorofluoromethane	0.300 U	0.500	0.150	ug/L	09/04/12
Vinyl chloride	0.240 U	0.400	0.120	ug/L	09/04/12
Surrogates					
1,2-Dichloroethane-D4 <surr>	108	70-130		%	09/04/12
4-Bromofluorobenzene <surr>	91.8	70-130		%	09/04/12
Toluene-d8 <surr>	93	70-130		%	09/04/12

Batch VMS13080
Method EPA 524.2
Instrument Agilent 7890-75MS

SGS Ref.#	1112843	Method Blank	**Printed Date/Time**	09/10/2012 20:13
Client Name	BGES Inc.		**Prep Batch**	VXX23978
Project Name/#	Custom Truck		**Method**	SW5030B
Matrix	Water (Surface, Eff., Ground)		**Date**	09/06/2012

QC results affect the following production samples:

1124083001, 1124083002, 1124083003, 1124083004, 1124083005, 1124083006, 1124083007, 1124083008, 1124083009, 1124083010, 1124083011, 1124083012, 1124083014

Parameter	Results	LOQ/CL	DL	Units	Analysis Date
Volatile Fuels Department					
Gasoline Range Organics	0.0620 U	0.100	0.0310	mg/L	09/06/12
Surrogates					
4-Bromofluorobenzene <surr>	102	50-150		%	09/06/12
Batch VFC11152					
Method AK101					
Instrument Agilent 7890A PID/FID					
Benzene	0.300 U	0.500	0.150	ug/L	09/06/12
Ethylbenzene	0.620 U	1.00	0.310	ug/L	09/06/12
o-Xylene	0.620 U	1.00	0.310	ug/L	09/06/12
P & M -Xylene	1.24 U	2.00	0.620	ug/L	09/06/12
Toluene	0.310J	1.00	0.310	ug/L	09/06/12
Surrogates					
1,4-Difluorobenzene <surr>	92	77-115		%	09/06/12
Batch VFC11152					
Method SW8021B					
Instrument Agilent 7890A PID/FID					

SGS Ref.#	1111471	Lab Control Sample	**Printed Date/Time**	09/10/2012	20:13
	1111472	Lab Control Sample Duplicate	**Prep Batch**	XXX27869	
Client Name	BGES Inc.		**Method**	SW3520C	
Project Name/#	Custom Truck		**Date**	09/01/2012	
Matrix	Water (Surface, Eff., Ground)				

QC results affect the following production samples:

1124083001, 1124083002, 1124083003, 1124083004, 1124083005, 1124083006, 1124083007, 1124083008, 1124083009, 1124083010, 1124083011, 1124083012

Parameter		QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
Semivolatile Organic Fuels Department								
Diesel Range Organics	LCS	4.42	88	(75-125)			5 mg/L	09/04/2012
	LCSD	4.13	83		7	(< 20)	5 mg/L	09/04/2012
Surrogates								
5a Androstane <surr>	LCS		87	(60-120)				09/04/2012
	LCSD		83		5			09/04/2012
Batch XFC10569 **Method** AK102 **Instrument** HP 6890 Series II FID SV D F								
Residual Range Organics	LCS	4.69	94	(60-120)			5 mg/L	09/04/2012
	LCSD	4.51	90		4	(< 20)	5 mg/L	09/04/2012
Surrogates								
n-Triacontane-d62 <surr>	LCS		85	(60-120)				09/04/2012
	LCSD		80		7			09/04/2012
Batch XFC10569 **Method** AK103 **Instrument** HP 6890 Series II FID SV D F								

SGS Ref.#	1111858	Lab Control Sample	**Printed Date/Time**	09/10/2012	20:13
	1111859	Lab Control Sample Duplicate	**Prep Batch**	VXX23959	
Client Name	BGES Inc.		**Method**	SW5030B	
Project Name/#	Custom Truck		**Date**	09/04/2012	
Matrix	Drinking Water				

QC results affect the following production samples:

1124083013, 1124083014

Parameter	QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date

Volatile Gas Chromatography/Mass Spectroscopy

SGS Ref.#	1111858	Lab Control Sample	**Printed Date/Time**	09/10/2012	20:13
	1111859	Lab Control Sample Duplicate	**Prep Batch**	VXX23959	
Client Name	BGES Inc.		**Method**	SW5030B	
Project Name/#	Custom Truck		**Date**	09/04/2012	
Matrix	Drinking Water				

Parameter		QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
Volatile Gas Chromatography/Mass Spectroscopy								
1,1,1,2-Tetrachloroethane	LCS	33.7	112	(70-130)			30 ug/L	09/04/2012
	LCSD	32.7	109		3	(< 30)	30 ug/L	09/04/2012
1,1,1-Trichloroethane	LCS	34.5	115	(70-130)			30 ug/L	09/04/2012
	LCSD	33.3	111		3	(< 30)	30 ug/L	09/04/2012
1,1,2,2-Tetrachloroethane	LCS	27.1	90	(70-130)			30 ug/L	09/04/2012
	LCSD	26.3	88		3	(< 30)	30 ug/L	09/04/2012
1,1,2-Trichloroethane	LCS	28.2	94	(70-130)			30 ug/L	09/04/2012
	LCSD	27.4	91		3	(< 30)	30 ug/L	09/04/2012
1,1-Dichloroethane	LCS	28.6	95	(70-130)			30 ug/L	09/04/2012
	LCSD	27.9	93		2	(< 30)	30 ug/L	09/04/2012
1,1-Dichloroethene	LCS	30.5	102	(70-130)			30 ug/L	09/04/2012
	LCSD	29.9	100		2	(< 30)	30 ug/L	09/04/2012
1,1-Dichloropropene	LCS	30.9	103	(70-130)			30 ug/L	09/04/2012
	LCSD	30.2	101		2	(< 30)	30 ug/L	09/04/2012
1,2,3-Trichlorobenzene	LCS	28.5	95	(70-130)			30 ug/L	09/04/2012
	LCSD	27.8	93		3	(< 30)	30 ug/L	09/04/2012
1,2,3-Trichloropropane	LCS	29.0	97	(70-130)			30 ug/L	09/04/2012
	LCSD	28.4	95		2	(< 30)	30 ug/L	09/04/2012
1,2,4-Trichlorobenzene	LCS	29.7	99	(70-130)			30 ug/L	09/04/2012
	LCSD	28.8	96		3	(< 30)	30 ug/L	09/04/2012
1,2,4-Trimethylbenzene	LCS	30.1	100	(70-130)			30 ug/L	09/04/2012
	LCSD	28.0	93		7	(< 30)	30 ug/L	09/04/2012
1,2-Dibromo-3-chloropropane	LCS	28.4	95	(70-130)			30 ug/L	09/04/2012
	LCSD	28.4	95		0	(< 30)	30 ug/L	09/04/2012
1,2-Dibromoethane	LCS	30.2	101	(70-130)			30 ug/L	09/04/2012
	LCSD	29.9	100		1	(< 30)	30 ug/L	09/04/2012
1,2-Dichlorobenzene	LCS	29.2	97	(70-130)			30 ug/L	09/04/2012
	LCSD	27.7	92		5	(< 30)	30 ug/L	09/04/2012

SGS Ref.#	1111858	Lab Control Sample	**Printed Date/Time**	09/10/2012	20:13
	1111859	Lab Control Sample Duplicate	**Prep Batch**	VXX23959	
Client Name	BGES Inc.		**Method**	SW5030B	
Project Name/#	Custom Truck		**Date**	09/04/2012	
Matrix	Drinking Water				

Parameter		QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
Volatile Gas Chromatography/Mass Spectroscopy								
1,2-Dichloroethane	LCS	31.1	104	(70-130)			30 ug/L	09/04/2012
	LCSD	30.5	102		2	(< 30)	30 ug/L	09/04/2012
1,2-Dichloropropane	LCS	28.4	95	(70-130)			30 ug/L	09/04/2012
	LCSD	27.7	92		3	(< 30)	30 ug/L	09/04/2012
1,3,5-Trimethylbenzene	LCS	30.2	101	(70-130)			30 ug/L	09/04/2012
	LCSD	28.3	94		6	(< 30)	30 ug/L	09/04/2012
1,3-Dichlorobenzene	LCS	29.5	98	(70-130)			30 ug/L	09/04/2012
	LCSD	27.7	93		6	(< 30)	30 ug/L	09/04/2012
1,3-Dichloropropane	LCS	28.4	95	(70-130)			30 ug/L	09/04/2012
	LCSD	28.0	93		2	(< 30)	30 ug/L	09/04/2012
1,4-Dichlorobenzene	LCS	29.3	98	(70-130)			30 ug/L	09/04/2012
	LCSD	27.7	92		6	(< 30)	30 ug/L	09/04/2012
2,2-Dichloropropane	LCS	34.6	115	(70-130)			30 ug/L	09/04/2012
	LCSD	33.5	112		3	(< 30)	30 ug/L	09/04/2012
2-Chlorotoluene	LCS	28.2	94	(70-130)			30 ug/L	09/04/2012
	LCSD	26.3	88		7	(< 30)	30 ug/L	09/04/2012
4-Chlorotoluene	LCS	27.7	93	(70-130)			30 ug/L	09/04/2012
	LCSD	26.0	87		7	(< 30)	30 ug/L	09/04/2012
4-Isopropyltoluene	LCS	30.8	103	(70-130)			30 ug/L	09/04/2012
	LCSD	28.9	97		6	(< 30)	30 ug/L	09/04/2012
Benzene	LCS	29.5	98	(70-130)			30 ug/L	09/04/2012
	LCSD	29.2	97		1	(< 30)	30 ug/L	09/04/2012
Bromobenzene	LCS	29.9	100	(70-130)			30 ug/L	09/04/2012
	LCSD	28.3	94		5	(< 30)	30 ug/L	09/04/2012
Bromochloromethane	LCS	31.0	103	(70-130)			30 ug/L	09/04/2012
	LCSD	30.1	100		3	(< 30)	30 ug/L	09/04/2012
Bromodichloromethane	LCS	31.9	106	(70-130)			30 ug/L	09/04/2012

SGS Ref.#	1111858	Lab Control Sample	**Printed Date/Time**	09/10/2012	20:13
	1111859	Lab Control Sample Duplicate	**Prep Batch**	VXX23959	
Client Name	BGES Inc.		**Method**	SW5030B	
Project Name/#	Custom Truck		**Date**	09/04/2012	
Matrix	Drinking Water				

Parameter		QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
Volatile Gas Chromatography/Mass Spectroscopy								
	LCSD	31.4	105		2	(< 30)	30 ug/L	09/04/2012
Bromoform	LCS	34.5	115	(70-130)			30 ug/L	09/04/2012
	LCSD	34.1	114		1	(< 30)	30 ug/L	09/04/2012
Bromomethane	LCS	31.3	104	(70-130)			30 ug/L	09/04/2012
	LCSD	28.7	96		9	(< 30)	30 ug/L	09/04/2012
Carbon tetrachloride	LCS	35.7	119	(70-130)			30 ug/L	09/04/2012
	LCSD	34.7	116		3	(< 30)	30 ug/L	09/04/2012
Chlorobenzene	LCS	29.0	97	(70-130)			30 ug/L	09/04/2012
	LCSD	28.3	95		2	(< 30)	30 ug/L	09/04/2012
Chloroethane	LCS	28.1	94	(70-130)			30 ug/L	09/04/2012
	LCSD	26.5	89		6	(< 30)	30 ug/L	09/04/2012
Chloroform	LCS	28.0	94	(70-130)			30 ug/L	09/04/2012
	LCSD	27.5	92		2	(< 30)	30 ug/L	09/04/2012
Chloromethane	LCS	23.2	77	(70-130)			30 ug/L	09/04/2012
	LCSD	23.0	77		1	(< 30)	30 ug/L	09/04/2012
cis-1,2-Dichloroethene	LCS	28.2	94	(70-130)			30 ug/L	09/04/2012
	LCSD	28.0	93		1	(< 30)	30 ug/L	09/04/2012
cis-1,3-Dichloropropene	LCS	32.4	108	(70-130)			30 ug/L	09/04/2012
	LCSD	31.7	106		2	(< 30)	30 ug/L	09/04/2012
Dibromochloromethane	LCS	33.1	110	(70-130)			30 ug/L	09/04/2012
	LCSD	32.3	108		2	(< 30)	30 ug/L	09/04/2012
Dibromomethane	LCS	28.6	95	(70-130)			30 ug/L	09/04/2012
	LCSD	28.4	95		1	(< 30)	30 ug/L	09/04/2012
Dichlorodifluoromethane	LCS	30.8	103	(70-130)			30 ug/L	09/04/2012
	LCSD	28.0	93		9	(< 30)	30 ug/L	09/04/2012
Ethylbenzene	LCS	30.6	102	(70-130)			30 ug/L	09/04/2012
	LCSD	29.4	98		4	(< 30)	30 ug/L	09/04/2012

SGS Ref.#	1111858	Lab Control Sample	**Printed Date/Time**	09/10/2012	20:13
	1111859	Lab Control Sample Duplicate	**Prep Batch**	VXX23959	
Client Name	BGES Inc.		**Method**	SW5030B	
Project Name/#	Custom Truck		**Date**	09/04/2012	
Matrix	Drinking Water				

Parameter		QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
Volatile Gas Chromatography/Mass Spectroscopy								
Hexachlorobutadiene	LCS	31.4	105	(70-130)			30 ug/L	09/04/2012
	LCSD	31.9	106		2	(< 30)	30 ug/L	09/04/2012
Isopropylbenzene (Cumene)	LCS	31.4	105	(70-130)			30 ug/L	09/04/2012
	LCSD	30.3	101		3	(< 30)	30 ug/L	09/04/2012
Methylene chloride	LCS	29.0	97	(70-130)			30 ug/L	09/04/2012
	LCSD	28.9	96		0	(< 30)	30 ug/L	09/04/2012
Methyl-t-butyl ether	LCS	50.1	111	(70-130)			45 ug/L	09/04/2012
	LCSD	49.7	110		1	(< 30)	45 ug/L	09/04/2012
Naphthalene	LCS	27.7	92	(70-130)			30 ug/L	09/04/2012
	LCSD	27.4	91		1	(< 30)	30 ug/L	09/04/2012
n-Butylbenzene	LCS	28.0	93	(70-130)			30 ug/L	09/04/2012
	LCSD	26.6	89		5	(< 30)	30 ug/L	09/04/2012
n-Propylbenzene	LCS	28.7	96	(70-130)			30 ug/L	09/04/2012
	LCSD	26.7	89		7	(< 30)	30 ug/L	09/04/2012
o-Xylene	LCS	29.9	100	(70-130)			30 ug/L	09/04/2012
	LCSD	28.8	96		4	(< 30)	30 ug/L	09/04/2012
P & M -Xylene	LCS	61.0	102	(70-130)			60 ug/L	09/04/2012
	LCSD	58.4	97		5	(< 30)	60 ug/L	09/04/2012
sec-Butylbenzene	LCS	29.3	98	(70-130)			30 ug/L	09/04/2012
	LCSD	27.4	91		7	(< 30)	30 ug/L	09/04/2012
Styrene	LCS	30.5	102	(70-130)			30 ug/L	09/04/2012
	LCSD	29.8	99		2	(< 30)	30 ug/L	09/04/2012
tert-Butylbenzene	LCS	30.8	103	(70-130)			30 ug/L	09/04/2012
	LCSD	28.6	95		7	(< 30)	30 ug/L	09/04/2012
Tetrachloroethene	LCS	32.7	109	(70-130)			30 ug/L	09/04/2012
	LCSD	31.6	105		4	(< 30)	30 ug/L	09/04/2012
Toluene	LCS	28.8	96	(70-130)			30 ug/L	09/04/2012
	LCSD	28.0	93		3	(< 30)	30 ug/L	09/04/2012

SGS Ref.#	1111858	Lab Control Sample	**Printed Date/Time**	09/10/2012	20:13
	1111859	Lab Control Sample Duplicate	**Prep Batch**	VXX23959	
Client Name	BGES Inc.		**Method**	SW5030B	
Project Name/#	Custom Truck		**Date**	09/04/2012	
Matrix	Drinking Water				

Parameter		QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
Volatile Gas Chromatography/Mass Spectroscopy								
trans-1,2-Dichloroethene	LCS	30.5	102	(70-130)			30 ug/L	09/04/2012
	LCSD	31.2	104		2	(< 30)	30 ug/L	09/04/2012
trans-1,3-Dichloropropene	LCS	31.3	104	(70-130)			30 ug/L	09/04/2012
	LCSD	30.8	103		2	(< 30)	30 ug/L	09/04/2012
Trichloroethene	LCS	29.8	99	(70-130)			30 ug/L	09/04/2012
	LCSD	29.4	98		1	(< 30)	30 ug/L	09/04/2012
Trichlorofluoromethane	LCS	33.0	110	(70-130)			30 ug/L	09/04/2012
	LCSD	30.7	102		7	(< 30)	30 ug/L	09/04/2012
Vinyl chloride	LCS	28.6	95	(70-130)			30 ug/L	09/04/2012
	LCSD	27.7	92		3	(< 30)	30 ug/L	09/04/2012
Surrogates								
1,2-Dichloroethane-D4 <surr>	LCS		103	(70-130)				09/04/2012
	LCSD		103		0			09/04/2012
4-Bromofluorobenzene <surr>	LCS		94	(70-130)				09/04/2012
	LCSD		92		2			09/04/2012
Toluene-d8 <surr>	LCS		97	(70-130)				09/04/2012
	LCSD		98		1			09/04/2012

Batch	VMS13080
Method	EPA 524.2
Instrument	Agilent 7890-75MS

SGS Ref.#	1112844	Lab Control Sample	**Printed Date/Time**	09/10/2012	20:13
	1112845	Lab Control Sample Duplicate	**Prep Batch**	VXX23978	
Client Name	BGES Inc.		**Method**	SW5030B	
Project Name/#	Custom Truck		**Date**	09/06/2012	
Matrix	Water (Surface, Eff., Ground)				

QC results affect the following production samples:

1124083001, 1124083002, 1124083003, 1124083004, 1124083005, 1124083006, 1124083007, 1124083008, 1124083009, 1124083010, 1124083011, 1124083012, 1124083014

Parameter		QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
Volatile Fuels Department								
Benzene	LCS	94.5	95	(80-120)			100 ug/L	09/06/2012
	LCSD	104	104		10	(< 20)	100 ug/L	09/06/2012
Ethylbenzene	LCS	99.0	99	(75-125)			100 ug/L	09/06/2012
	LCSD	105	105		6	(< 20)	100 ug/L	09/06/2012
o-Xylene	LCS	100	100	(80-120)			100 ug/L	09/06/2012
	LCSD	107	107		7	(< 20)	100 ug/L	09/06/2012
P & M -Xylene	LCS	203	101	(75-130)			200 ug/L	09/06/2012
	LCSD	218	109		7	(< 20)	200 ug/L	09/06/2012
Toluene	LCS	101	101	(75-120)			100 ug/L	09/06/2012
	LCSD	107	107		7	(< 20)	100 ug/L	09/06/2012
Surrogates								
1,4-Difluorobenzene <surr>	LCS		93	(77-115)				09/06/2012
	LCSD		95		2			09/06/2012

Batch	VFC11152
Method	SW8021B
Instrument	Agilent 7890A PID/FID

SGS Ref.#	1112846	Lab Control Sample	**Printed Date/Time**	09/10/2012	20:13
	1112847	Lab Control Sample Duplicate	**Prep Batch**	VXX23978	
Client Name	BGES Inc.		**Method**	SW5030B	
Project Name/#	Custom Truck		**Date**	09/06/2012	
Matrix	Water (Surface, Eff., Ground)				

QC results affect the following production samples:

1124083001, 1124083002, 1124083003, 1124083004, 1124083005, 1124083006, 1124083007, 1124083008, 1124083009, 1124083010, 1124083011, 1124083012, 1124083014

Parameter		QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
Volatile Fuels Department								
Gasoline Range Organics	LCS	1.07	107	(60-120)			1.00 mg/L	09/06/2012
	LCSD	1.05	105		2	(< 20)	1.00 mg/L	09/06/2012
Surrogates								
4-Bromofluorobenzene <surr>	LCS		107	(50-150)				09/06/2012
	LCSD		109		2			09/06/2012

Batch VFC11152
Method AK101
Instrument Agilent 7890A PID/FID

SGS North America Inc.
CHAIN OF CUSTODY RECORD

1124083

(1)

CLIENT: BGES, Inc.

CONTACT: Joshua Bass PHONE NO: (907) 644-2900

PROJECT NAME: Custom Truck PROJECT/ PWSID/ PERMIT# :

REPORTS TO: Jayne Martin EMAIL: jayne@bgesinc.com

INVOICE TO: BGES, Inc. QUOTE #:

P.O. #:

SGS Reference #:

page 1 of 2

(2)

RESERVED for lab use	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX/ MATRIX CODE	# CONTAINERS	SAMPLE TYPE C= COMP G= GRAB MI= Multi Incremental Samples	Preservatives Used	HCl	HCl	HCl	HCl	HCl					
							Analysis Required (3)	GRO	BTEX	DRO	RRO	VOC					REMARKS/ LOC ID
								AK101	8021B	AK102	AK103	524.2					
(1) A E	MW1-0830	8/30/12	19:45	W	5	G		X	X	X	X						
(2) A E	MW2-0830	8/30/12	13:45	W	5	G		X	X	X	X						
(3) A E	MW3-0831	8/31/12	9:30	W	5	G		X	X	X	X						
(4) A E	MW5-0829	8/29/12	11:45	W	5	G		X	X	X	X						
(5) A E	MW8-0829	8/29/12	19:45	W	5	G		X	X	X	X						
(6) A E	MW10-0829	8/29/12	13:15	W	5	G		X	X	X	X						
(7) A E	MW11-0830	8/30/12	10:15	W	5	G		X	X	X	X						
(8) A E	MW13-0830	8/30/12	18:40	W	5	G		X	X	X	X						
(9) A E	MW14-0830	8/30/12	17:00	W	5	G		X	X	X	X						
(10) A E	MW15-0829	8/29/12	20:45	W	5	G		X	X	X	X						

(5)

Collected/Relinquished By:(1)	Date	Time	Received By:
	8/31	1 pm	
Relinquished By: (2)	Date	Time	Received By:
Relinquished By: (3)	Date	Time	Received By:
Relinquished By: (4)	Date	Time	Received For Laboratory By: 8/31/12 1300

(4)

DOD Project? YES (NO)

Cooler ID _____

Data Deliverable Requirements: level 2

Requested Turnaround Time and-or Special Instructions:

10 Day

Temperature Blank °C: 6.1 3S 6.5 2W3 4.4 3S or Ambient [ ]

(See attached Sample Receipt Form)

Chain of Custody Seal: (Circle)

INTACT BROKEN (ABSENT)

(See attached Sample Receipt Form)

SGS North America Inc.
CHAIN OF CUSTODY RECORD

1124083

yland
v York
ana
ntucky

SGS Reference #:

page 2 of 2

(1)
CLIENT: BGES, Inc.
CONTACT: Joshua Bates PHONE NO (907) 644-2900
PROJECT NAME: Custom Truck PROJECT/ PWSID/ PERMIT#:
REPORTS TO: Jayne A Martin EMAIL: jayne@BGESinc.com
INVOICE TO: BGES, INC. QUOTE #:
P.O. #:

(2)

RESERVED for lab use	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX/ MATRIX CODE	# CONTAINERS	SAMPLE TYPE C= COMP G= GRAB MI= Multi Incremental Samples	Preservatives Used	HCl	HCl	HCl	HCl	HCl					REMARKS/ LOC ID
	Analysis Required (3)							GRO	BTEX AK101	DRO 8021B	RRO AK102	VOC AK103	524.2				
(11) A-C	MW17-0830	8/30/12	19:45	W	04	G		X	X	X	X						
(12) A-C	B6/VE-0830	8/30/12	18:30	W	5	G		X	X	X	X	X					DO NOT RUN VOC
(13) A C	Facility Well -	8/30/12	16:30	W	3	G						X					
(14) A-C	Trip Blank (HCl only)			W	3			X				X					
(15) A C	Trip Blank (HCl + Ascorbic)			W	3												Run only if not able to run HCl only trip

(5)

Collected/Relinquished By:(1)	Date	Time	Received By:
	8/31	1pm	
Relinquished By: (2)	Date	Time	Received By:
Relinquished By: (3)	Date	Time	Received By:
Relinquished By: (4)	Date	Time	Received For Laboratory By: 8/31/12 1500

(4)
DOD Project? YES (NO)
Cooler ID _____
Data Deliverable Requirements: level 2
Requested Turnaround Time and-or Special Instructions: 10 Day
Temperature Blank °C: 6.1 35 6.5 10 3 4.2 35 or Ambient [ ]
(See attached Sample Receipt Form)
Chain of Custody Seal: (Circle) INTACT BROKEN (ABSENT)
(See attached Sample Receipt Form)

❑ 200 W. Potter Drive **Anchorage, AK 99518** Tel: (907) 562-2343 Fax: (907) 561-5301
❑ 5500 Business Drive **Wilmington, NC 28405** Tel: (910) 350-1903 Fax: (910) 350-1557

White - Retained by Lab
Pink - Retained by Client

SGS

1124083

SAMPLE RECEIPT FORM

Review Criteria:	Condition:	Comments/Action Taken:
Were **custody seals** intact? Note # & location, if applicable. COC accompanied samples?	Yes No (N/A) (Yes) No N/A	
Temperature blank compliant* (i.e., 0-6°C after correction factor)? * *Note: Exemption permitted for chilled samples collected less than 8 hours ago.* Cooler ID: 1 @ 6.1 w/ Therm.ID: 35 Cooler ID: 2 @ 6.5 w/ Therm.ID: 263 Cooler ID: 3 @ 4.4 w/ Therm.ID: 35 Cooler ID: _____ @ _____ w/ Therm.ID: _____ Cooler ID: _____ @ _____ w/ Therm.ID: _____ *Note: If non-compliant, use form FS-0029 to document affected samples/analyses.* If samples are received without a temperature blank, the "cooler temperature" will be documented in lieu of the temperature blank & "**COOLER TEMP**" will be noted to the right. In cases where neither a temp blank nor cooler temp can be obtained, note "ambient" or "chilled." **If temperature(s) <0°C, were all sample containers ice free?**	Yes (No) N/A Yes No N/A	Ok to run Analysis Per Client.
Delivery method (specify all that apply): (Client) USPS Alert Courier Road Runner AK Air Lynden Carlile ERA PenAir FedEx UPS NAC Other: → *For WO# with airbills, was the WO# & airbill info recorded in the Front Counter eLog?*	Note ABN/ tracking # See Attached or N/A Yes No (N/A)	
→ For samples received with payment, note amount ($) and cash / check / CC **(circle one)** or note: → For samples **received in FBKS**, ANCH staff will verify all criteria are reviewed.		(N/A) SRF Initiated by: (N/A)
Were samples received within hold time? *Note: Refer to form F-083 "Sample Guide" for hold time information.* Do samples **match COC*** (i.e., sample IDs, dates/times collected)? * *Note: Exemption permitted if times differ <1hr; in which case, use times on COC.* Were analyses requested unambiguous?	(Yes) No N/A (Yes) No N/A (Yes) No N/A	
Were samples in **good condition** (no leaks/cracks/breakage)? Packing material used (specify all that apply): Bubble Wrap Separate plastic bags Vermiculite Other:	(Yes) No N/A	
Were all VOA vials **free of headspace** (i.e., bubbles ≤6 mm)? Were all soil VOAs **field extracted** with MeOH+BFB?	(Yes) No N/A Yes No (N/A)	IC has bubble? 6mm
Were **proper containers** (type/mass/volume/preservative*) used? * *Note: Exemption permitted for waters to be analyzed for metals.* Were **Trip Blanks** (i.e., VOAs, LL-Hg) in cooler with samples?	(Yes) No N/A (Yes) No N/A	11A-B Limited volume on VOA vials only have 2 jars.
For **special handling** (e.g., "MI" or foreign soils, lab filter, limited volume, Ref Lab), were bottles/paperwork flagged (e.g., sticker)?	Yes No (N/A)	
For preserved waters (other than VOA vials, LL-Mercury or microbiological analyses), was **pH verified and compliant**? If pH was adjusted, were bottles flagged (i.e., stickers)?	(Yes) No N/A Yes No (N/A)	
For **RUSH/SHORT Hold Time** or **site-specific QC** (e.g., BMS/BMSD/BDUP) samples, were the COC & bottles flagged (e.g., stickers) accordingly? For RUSH/SHORT HT, was email sent?	Yes No (N/A)	
For any question answered "No," has the PM been notified and the problem resolved (or paperwork put in their bin)?	Yes No (N/A)	SRF Completed by: PM = N/A
Was **PEER REVIEW** of ***sample numbering/labeling completed?***	Yes No (N/A)	Peer Reviewed by: N/A

Additional notes (if applicable):

Note to Client: *Any "no" circled above indicates non-compliance with standard procedures and may impact data quality.*

SGS North America Inc.
Alaska Division
Level II Laboratory Data Report

Project:	Custom Truck
Client:	BGES Inc.
SGS Work Order:	1124367

Released by:

Contents:

Client Name: BGES Inc.
Project Name: Custom Truck
Workorder No.: 1124367

Sample Comments

Refer to the sample receipt form for information on sample condition.

Lab Sample ID	Sample Type	Client Sample ID
*		

There were no analytical anomalies associated with the data reported herein.

* QC comments may be associated with the field samples found in this report. When applicable, comments will be applied to associated field samples.

Laboratory Analytical Report

Client: **BGES Inc.**
1042 E 6th Ave
Anchorage, AK 99501

Attn: **Jayne Martin**
T: (907)644-2900 F:(907)644-2901
jayne@bgesinc.com

Project: **Custom Truck**

Workorder No.: **1124367**

Certification:

This data package is in compliance with the terms and conditions of the contract, both technically and for completeness, unless otherwise noted on the sample data sheet(s) and/or case narrative. This certification applies only to the tested parameters and the specific sample(s) received at the laboratory. If you have any questions regarding this report, or if we can be of further assistance, please contact your SGS Project Manager.

Carmon Beene

carmon.beene@sgs.com
Project Manager

Contents (Bookmarked in PDF):

Enclosed are the analytical results associated with the above work order. All results are intended to be used in their entirety and SGS is not responsible for use of less than the complete report. If you have any questions regarding this report, or if we can be of any other assistance, please contact your SGS Project Manager at 907-562-2343. All work is provided under SGS general terms and conditions (<http://www.sgs.com/terms_and_conditions.htm>), unless other written agreements have been accepted by both parties.

SGS maintains a formal Quality Assurance/Quality Control (QA/QC) program. A copy of our Quality Assurance Plan (QAP), which outlines this program, is available at your request. The laboratory certification numbers are AK00971 (DW Chemistry & Microbiology) & UST-005 (CS) for ADEC and 2944.01 for DOD ELAP/ISO 17025 (RCRA methods: 1020A, 1311, 3010A, 3050B, 3520C, 3550C, 5030B, 5035B, 6020, 7470A, 7471B, 8021B, 8082A, 8260B, 8270D, 8270D-SIM, 9040B, 9045C, 9056A, 9060A, AK101 and AK102/103). Except as specifically noted, all statements and data in this report are in conformance to the provisions set forth by the SGS QAP and, when applicable, other regulatory authorities.

The following descriptors or qualifiers may be found in your report:

*	The analyte has exceeded allowable regulatory or control limits.
!	Surrogate out of control limits.
B	Indicates the analyte is found in a blank associated with the sample.
CCV	Continuing Calibration Verification
CL	Control Limit
D	The analyte concentration is the result of a dilution.
DF	Dilution Factor
DL	Detection Limit (i.e., maximum method detection limit)
E	The analyte result is above the calibrated range.
F	Indicates value that is greater than or equal to the DL
GT	Greater Than
ICV	Initial Calibration Verification
J	The quantitation is an estimation.
JL	The analyte was positively identified, but the quantitation is a low estimation.
LCS(D)	Laboratory Control Spike (Duplicate)
LOD	Limit of Detection (i.e., 2xDL)
LOQ	Limit of Quantitation (i.e., reporting or practical quantitation limit)
LT	Less Than
M	A matrix effect was present.
MB	Method Blank
MS(D)	Matrix Spike (Duplicate)
ND	Indicates the analyte is not detected.
Q	QC parameter out of acceptance range.
R	Rejected
RL	Reporting Limit
RPD	Relative Percent Difference
U	Indicates the analyte was analyzed for but not detected.

Note: Sample summaries which include a result for "Total Solids" have already been adjusted for moisture content.
All DRO/RRO analyses are integrated per SOP.

Client Name: BGES Inc.
Project Name: Custom Truck
Workorder No.: 1124367

Analytical Methods

Method Description	Analytical Method
AK101/8021 Combo.	AK101
AK101/8021 Combo.	SW8021B
Diesel/Residual Range Organics Water	AK102
Diesel/Residual Range Organics Water	AK103

Sample ID Cross Reference

Lab Sample ID	Client Sample ID
1124367001	MW9-0913
1124367002	Trip Blank

Client Sample ID: **MW9-0913**
SGS Ref. #: 1124367001
Project ID: Custom Truck
Matrix: Water (Surface, Eff., Ground)

Collection Date/Time: 09/13/12 18:00
Receipt Date/Time: 09/14/12 09:42

Volatile Fuels Department

Parameter	Result	LOQ/CL	Units	DF	Analytical Batch	Prep Batch	Qualifiers
Benzene	0.500 U	0.500	ug/L	1	VFC11166	VXX24015	
Ethylbenzene	1.00 U	1.00	ug/L	1	VFC11166	VXX24015	
Gasoline Range Organics	0.100 U	0.100	mg/L	1	VFC11166	VXX24015	
o-Xylene	1.00 U	1.00	ug/L	1	VFC11166	VXX24015	
P & M -Xylene	2.00 U	2.00	ug/L	1	VFC11166	VXX24015	
Toluene	1.00 U	1.00	ug/L	1	VFC11166	VXX24015	
1,4-Difluorobenzene <surr>	87	77-115	%	1	VFC11166	VXX24015	
4-Bromofluorobenzene <surr>	102	50-150	%	1	VFC11166	VXX24015	

Batch Information

Analytical Batch: VFC11166
Analytical Method: AK101
Analysis Date/Time: 09/17/12 14:49
Dilution Factor: 1
Prep Batch: VXX24015
Prep Method: SW5030B
Prep Date/Time: 09/17/12 08:00
Initial Prep Wt./Vol.: 5 mL
Prep Extract Vol.: 5 mL
Container ID:1124367001-C
Analyst: EAB

Analytical Batch: VFC11166
Analytical Method: SW8021B
Analysis Date/Time: 09/17/12 14:49
Dilution Factor: 1
Prep Batch: VXX24015
Prep Method: SW5030B
Prep Date/Time: 09/17/12 08:00
Initial Prep Wt./Vol.: 5 mL
Prep Extract Vol.: 5 mL
Container ID:1124367001-C
Analyst: EAB

Client Sample ID: **MW9-0913**
SGS Ref. #: 1124367001
Project ID: Custom Truck
Matrix: Water (Surface, Eff., Ground)

Collection Date/Time: 09/13/12 18:00
Receipt Date/Time: 09/14/12 09:42

Semivolatile Organic Fuels Department

Parameter	Result	LOQ/CL	Units	DF	Analytical Batch	Prep Batch	Qualifiers
Diesel Range Organics	0.600 U	0.600	mg/L	1	XFC10619	XXX28070	
Residual Range Organics	0.500 U	0.500	mg/L	1	XFC10619	XXX28070	
5a Androstane <surr>	61.3	50-150	%	1	XFC10619	XXX28070	
n-Triacontane-d62 <surr>	67	50-150	%	1	XFC10619	XXX28070	

Batch Information

Analytical Batch: XFC10619
Analytical Method: AK102
Analysis Date/Time: 09/27/12 17:41
Dilution Factor: 1
Prep Batch: XXX28070
Prep Method: SW3520C
Prep Date/Time: 09/25/12 07:00
Initial Prep Wt./Vol.: 1000 mL
Prep Extract Vol.: 1 mL
Container ID:1124367001-B
Analyst: EAB

Analytical Batch: XFC10619
Analytical Method: AK103
Analysis Date/Time: 09/27/12 17:41
Dilution Factor: 1
Prep Batch: XXX28070
Prep Method: SW3520C
Prep Date/Time: 09/25/12 07:00
Initial Prep Wt./Vol.: 1000 mL
Prep Extract Vol.: 1 mL
Container ID:1124367001-B
Analyst: EAB

Client Sample ID: **Trip Blank**
SGS Ref. #: 1124367002
Project ID: Custom Truck
Matrix: Water (Surface, Eff., Ground)

Collection Date/Time: 09/13/12 18:00
Receipt Date/Time: 09/14/12 09:42

Volatile Fuels Department

Parameter	Result	LOQ/CL	Units	DF	Analytical Batch	Prep Batch	Qualifiers
Benzene	0.500 U	0.500	ug/L	1	VFC11166	VXX24015	
Ethylbenzene	1.00 U	1.00	ug/L	1	VFC11166	VXX24015	
Gasoline Range Organics	0.100 U	0.100	mg/L	1	VFC11166	VXX24015	
o-Xylene	1.00 U	1.00	ug/L	1	VFC11166	VXX24015	
P & M -Xylene	2.00 U	2.00	ug/L	1	VFC11166	VXX24015	
Toluene	1.00 U	1.00	ug/L	1	VFC11166	VXX24015	
1,4-Difluorobenzene <surr>	89.6	77-115	%	1	VFC11166	VXX24015	
4-Bromofluorobenzene <surr>	104	50-150	%	1	VFC11166	VXX24015	

Batch Information

Analytical Batch: VFC11166
Analytical Method: AK101
Analysis Date/Time: 09/17/12 15:25
Dilution Factor: 1
Prep Batch: VXX24015
Prep Method: SW5030B
Prep Date/Time: 09/17/12 08:00
Initial Prep Wt./Vol.: 5 mL
Prep Extract Vol.: 5 mL
Container ID:1124367002-A
Analyst: EAB

Analytical Batch: VFC11166
Analytical Method: SW8021B
Analysis Date/Time: 09/17/12 15:25
Dilution Factor: 1
Prep Batch: VXX24015
Prep Method: SW5030B
Prep Date/Time: 09/17/12 08:00
Initial Prep Wt./Vol.: 5 mL
Prep Extract Vol.: 5 mL
Container ID:1124367002-A
Analyst: EAB

SGS Ref.#	1114931	Method Blank	**Printed Date/Time**	09/28/2012	15:53
Client Name	BGES Inc.		**Prep Batch**	VXX24015	
Project Name/#	Custom Truck		**Method**	SW5030B	
Matrix	Water (Surface, Eff., Ground)		**Date**	09/17/2012	

QC results affect the following production samples:

1124367001, 1124367002

Parameter	Results	LOQ/CL	DL	Units	Analysis Date
Volatile Fuels Department					
Gasoline Range Organics	0.0620 U	0.100	0.0310	mg/L	09/17/12
Surrogates					
4-Bromofluorobenzene <surr>	103	50-150		%	09/17/12
Batch VFC11166					
Method AK101					
Instrument Agilent 7890A PID/FID					
Benzene	0.300 U	0.500	0.150	ug/L	09/17/12
Ethylbenzene	0.620 U	1.00	0.310	ug/L	09/17/12
o-Xylene	0.620 U	1.00	0.310	ug/L	09/17/12
P & M -Xylene	1.24 U	2.00	0.620	ug/L	09/17/12
Toluene	0.620 U	1.00	0.310	ug/L	09/17/12
Surrogates					
1,4-Difluorobenzene <surr>	91.3	77-115		%	09/17/12
Batch VFC11166					
Method SW8021B					
Instrument Agilent 7890A PID/FID					

SGS Ref.#	1117020	Method Blank	**Printed Date/Time**	09/28/2012 15:53
Client Name	BGES Inc.		**Prep Batch**	XXX28070
Project Name/#	Custom Truck		**Method**	SW3520C
Matrix	Water (Surface, Eff., Ground)		**Date**	09/25/2012

QC results affect the following production samples:

1124367001

Parameter	Results	LOQ/CL	DL	Units	Analysis Date
Semivolatile Organic Fuels Department					
Diesel Range Organics	0.360 U	0.600	0.180	mg/L	09/27/12
Surrogates					
5a Androstane <surr>	81.4	60-120		%	09/27/12
Batch XFC10619					
Method AK102					
Instrument HP 6890 Series II FID SV D R					
Residual Range Organics	0.300 U	0.500	0.150	mg/L	09/27/12
Surrogates					
n-Triacontane-d62 <surr>	80.6	60-120		%	09/27/12
Batch XFC10619					
Method AK103					
Instrument HP 6890 Series II FID SV D R					

SGS Ref.#	1114932	Lab Control Sample	**Printed Date/Time**	09/28/2012	15:53
	1114933	Lab Control Sample Duplicate	**Prep Batch**	VXX24015	
Client Name	BGES Inc.		**Method**	SW5030B	
Project Name/#	Custom Truck		**Date**	09/17/2012	
Matrix	Water (Surface, Eff., Ground)				

QC results affect the following production samples:

1124367001, 1124367002

Parameter		QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
Volatile Fuels Department								
Gasoline Range Organics	LCS	0.999	100	(60-120)			1.00 mg/L	09/17/2012
	LCSD	1.04	104		4	(< 20)	1.00 mg/L	09/17/2012
Surrogates								
4-Bromofluorobenzene <surr>	LCS		108	(50-150)				09/17/2012
	LCSD		111		3			09/17/2012

Batch VFC11166
Method AK101
Instrument Agilent 7890A PID/FID

SGS Ref.#	1115308	Lab Control Sample	**Printed Date/Time**	09/28/2012 15:53
	1115309	Lab Control Sample Duplicate	**Prep Batch**	VXX24015
Client Name	BGES Inc.		**Method**	SW5030B
Project Name/#	Custom Truck		**Date**	09/17/2012
Matrix	Water (Surface, Eff., Ground)			

QC results affect the following production samples:

1124367001, 1124367002

Parameter		QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
Volatile Fuels Department								
Benzene	LCS	96.9	97	(80-120)			100 ug/L	09/17/2012
	LCSD	98.2	98		1	(< 20)	100 ug/L	09/17/2012
Ethylbenzene	LCS	99.4	99	(75-125)			100 ug/L	09/17/2012
	LCSD	102	102		3	(< 20)	100 ug/L	09/17/2012
o-Xylene	LCS	100	100	(80-120)			100 ug/L	09/17/2012
	LCSD	103	103		3	(< 20)	100 ug/L	09/17/2012
P & M -Xylene	LCS	202	101	(75-130)			200 ug/L	09/17/2012
	LCSD	209	104		3	(< 20)	200 ug/L	09/17/2012
Toluene	LCS	102	102	(75-120)			100 ug/L	09/17/2012
	LCSD	106	106		3	(< 20)	100 ug/L	09/17/2012
Surrogates								
1,4-Difluorobenzene <surr>	LCS		91	(77-115)				09/17/2012
	LCSD		91		0			09/17/2012

Batch	VFC11166
Method	SW8021B
Instrument	Agilent 7890A PID/FID

SGS Ref.#	1117021	Lab Control Sample	**Printed Date/Time**	09/28/2012 15:53
	1117022	Lab Control Sample Duplicate	**Prep Batch**	XXX28070
Client Name	BGES Inc.		**Method**	SW3520C
Project Name/#	Custom Truck		**Date**	09/25/2012
Matrix	Water (Surface, Eff., Ground)			

QC results affect the following production samples:

1124367001

Parameter		QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
Semivolatile Organic Fuels Department								
Diesel Range Organics	LCS	4.14	83	(75-125)			5 mg/L	09/27/2012
	LCSD	4.09	82		1	(< 20)	5 mg/L	09/27/2012
Surrogates								
5a Androstane <surr>	LCS		84	(60-120)				09/27/2012
	LCSD		89		7			09/27/2012
Batch XFC10619 **Method** AK102 **Instrument** HP 6890 Series II FID SV D R								
Residual Range Organics	LCS	4.37	88	(60-120)			5 mg/L	09/27/2012
	LCSD	4.41	88		1	(< 20)	5 mg/L	09/27/2012
Surrogates								
n-Triacontane-d62 <surr>	LCS		74	(60-120)				09/27/2012
	LCSD		80		7			09/27/2012
Batch XFC10619 **Method** AK103 **Instrument** HP 6890 Series II FID SV D R								

SGS North America Inc.
CHAIN OF CUSTODY RECORD

1124367

laryland
ew York
ıdiana
entucky

(1)

CLIENT: BGES, INC.

CONTACT: Joshua Bassis PHONE NO: (907) 644-2900

PROJECT NAME: Custom Truck PROJECT/ PWSID/ PERMIT# :

REPORTS TO: Jayne Martin EMAIL: jayne@bgesinc.com

INVOICE TO: BGES, INC QUOTE #:

P.O. #:

SGS Reference #:

page 1 of 1

(2)

RESERVED for lab use	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX/ MATRIX CODE	# CONTAINERS	SAMPLE TYPE C= COMP G= GRAB MI= Multi Incremental Samples	Preservatives Used	HCl	HCl	HCl	HCl						
							Analysis Required (3)	GRO AK101	BTEX 8021B	DRO AK102	RRO AK103						REMARKS/ LOC ID
(1) A-E	MW9-0913	9/13/12	18:00	W	5	G		X	X	X	X						
(2) A-G TB																	

(5)

Collected/Relinquished By:(1)	Date 9/14/12	Time 0715	Received By:
Relinquished By: (2)	Date 9/14/12	Time 0942	Received By:
Relinquished By: (3)	Date	Time	Received By:
Relinquished By: (4)	Date	Time	Received For Laboratory By: 0942 9/14/12

(4)

DOD Project? YES (NO)

Cooler ID _____

Data Deliverable Requirements: level 2

Requested Turnaround Time and-or Special Instructions:

10 Day

Temperature Blank °C: 2.6 #11

or Ambient [ ]

(See attached Sample Receipt Form)

Chain of Custody Seal: (Circle)

INTACT BROKEN (ABSENT)

(See attached Sample Receipt Form)

❑ 200 W. Potter Drive **Anchorage, AK 99518** Tel: (907) 562-2343 Fax: (907) 561-5301
❑ 5500 Business Drive **Wilmington, NC 28405** Tel: (910) 350-1903 Fax: (910) 350-1557

White - Retained by Lab
Pink - Retained by Client

SGS

1124367

SAMPLE RECEIPT FORM

Review Criteria:	Condition:	Comments/Action Taken:
Were **custody seals** intact? Note # & location, if applicable. COC accompanied samples?	Yes No (N/A) (Yes) No N/A	
Temperature blank compliant* (i.e., 0-6°C after correction factor)? * *Note: Exemption permitted for chilled samples collected less than 8 hours ago.* Cooler ID: 1 @ 2.6 w/ Therm.ID: 11 Cooler ID: _____ @ _____ w/ Therm.ID: _____ Cooler ID: _____ @ _____ w/ Therm.ID: _____ Cooler ID: _____ @ _____ w/ Therm.ID: _____ Cooler ID: _____ @ _____ w/ Therm.ID: _____ *Note: If non-compliant, use form FS-0029 to document affected samples/analyses.* If samples are received without a temperature blank, the "cooler temperature" will be documented in lieu of the temperature blank & "**COOLER TEMP**" will be noted to the right. In cases where neither a temp blank nor cooler temp can be obtained, note "ambient" or "chilled." **If temperature(s) <0°C, were all sample containers ice free?**	(Yes) No N/A Yes No (N/A)	
Delivery method (specify all that apply): (Client) USPS Alert Courier Road Runner AK Air Lynden Carlile ERA PenAir FedEx UPS NAC Other: → *For WO# with airbills, was the WO# & airbill info recorded in the Front Counter eLog?*	Note ABN/ tracking # See Attached or (N/A) Yes No (N/A)	
→ For samples received with payment, note amount ($) and cash / check / CC **(circle one)** or note: → For samples **received in FBKS**, ANCH staff will verify all criteria are reviewed.	SRF Initiated by:	(N/A) (N/A)
Were samples received within hold time? *Note: Refer to form F-083 "Sample Guide" for hold time information.* Do samples **match COC*** (i.e., sample IDs, dates/times collected)? * *Note: Exemption permitted if times differ <1hr; in which case, use times on COC.* Were analyses requested unambiguous?	(Yes) No N/A (Yes) No N/A (Yes) No N/A	
Were samples in **good condition** (no leaks/cracks/breakage)? Packing material used (specify all that apply): Bubble Wrap Separate plastic bags Vermiculite Other:	(Yes) No N/A	
Were all VOA vials **free of headspace** (i.e., bubbles ≤6 mm)? Were all soil VOAs **field extracted** with MeOH+BFB?	(Yes) No N/A Yes No (N/A)	
Were **proper containers** (type/mass/volume/preservative*) used? * *Note: Exemption permitted for waters to be analyzed for metals.* Were **Trip Blanks** (i.e., VOAs, LL-Hg) in cooler with samples?	(Yes) No N/A (Yes) No N/A	
For **special handling** (e.g., "MI" or foreign soils, lab filter, limited volume, Ref Lab), were bottles/paperwork flagged (e.g., sticker)?	Yes No (N/A)	
For preserved waters (other than VOA vials, LL-Mercury or microbiological analyses), was **pH verified and compliant**? If pH was adjusted, were bottles flagged (i.e., stickers)?	(Yes) No N/A Yes No (N/A)	
For **RUSH/SHORT Hold Time** or **site-specific QC** (e.g., BMS/BMSD/BDUP) samples, were the COC & bottles flagged (e.g., stickers) accordingly? For RUSH/SHORT HT, was email sent?	Yes No (N/A)	
For any question answered "No," has the PM been notified and the problem resolved (or paperwork put in their bin)?	Yes No (N/A)	SRF Completed by: AW PM = N/A
Was **PEER REVIEW** of ***sample numbering/labeling completed?***	Yes No (N/A)	Peer Reviewed by: (N/A)
Additional notes (if applicable):		

Note to Client: *Any "no" circled above indicates non-compliance with standard procedures and may impact data quality.*

APPENDIX C
LABORATORY ANALYTICAL DATA QUALITY CONTROL CHECKLISTS

Laboratory Data Review Checklist

Completed by: Joshua Barsis

Title: Environmental Scientist Date: October 2012

CS Report Name: Groundwater Monitoring Report Report Date: February 2013

Consultant Firm: BGES, Inc.

Laboratory Name: SGS North America, Inc. Laboratory Report Number: 1124083

ADEC File Number: 2100.26.252 ADEC RecKey Number: **N/A**

1. Laboratory
   a. Did an ADEC CS approved laboratory receive and perform all of the submitted sample analyses?
      (Yes) No NA (Please explain.) Comments:

   b. If the samples were transferred to another "network" laboratory or sub-contracted to an alternate laboratory, was the laboratory performing the analyses ADEC CS approved?
      Yes No (NA (Please explain.) Comments:

   Laboratory samples were not transferred to another "network" laboratory.

2. Chain of Custody (COC)
   a. COC information completed, signed, and dated (including released/received by)?
      (Yes) No NA (Please explain.) Comments:

   b. Correct analyses requested?
      (Yes) No NA (Please explain.) Comments:

3. Laboratory Sample Receipt Documentation
   a. Sample/cooler temperature documented and within range at receipt (4° ± 2° C)?
      Yes (No) NA (Please explain.) Comments:

   The temperature of the sample coolers were measured at the laboratory at the time of receipt to be 6.1° Celsius (C), 6.5° C, and 4.4° C. Thus, two of the coolers had temperatures that were measured at just above the allowable temperature range of 4 degrees +/- 2 degrees C. Because the temperatures of the coolers only exceeded the allowable temperature range by a small amount, it is our opinion that there is a reduced potential for biological degradation of the contamination and this QC failure does not affect the acceptability of the data for their intended use.

b. Sample preservation acceptable – acidified waters, Methanol preserved VOC soil (GRO, BTEX, Volatile Chlorinated Solvents, etc.)?

(Yes) No NA (Please explain.) Comments:

c. Sample condition documented – broken, leaking (Methanol), zero headspace (VOC vials)?

(Yes) No NA (Please explain.) Comments:

d. If there were any discrepancies, were they documented? For example, incorrect sample containers/preservation, sample temperature outside of acceptable range, insufficient or missing samples, etc.?

Yes No (NA) (Please explain.) Comments:

No discrepancies were documented. All data were reported within laboratory acceptance limits.

e. Data quality or usability affected? (Please explain.)

Comments:

No

4. Case Narrative

a. Present and understandable?

(Yes) No NA (Please explain.) Comments:

b. Discrepancies, errors or QC failures identified by the lab?

Yes (No) NA (Please explain.) Comments:

c. Were all corrective actions documented?

Yes No (NA) (Please explain.) Comments:

No discrepancies, errors, or QC failures were identified by the lab.

d. What is the effect on data quality/usability according to the case narrative?

Comments:

No discrepancies, errors, or QC failures were identified by the lab.

5. Samples Results

a. Correct analyses performed/reported as requested on COC?

(Yes) No NA (Please explain.) Comments:

b. All applicable holding times met?

(Yes) No NA (Please explain.) Comments:

c. All soils reported on a dry weight basis?

(Yes) No NA (Please explain.) Comments:

Soils were not part of our scope of work for this sampling activity.

d. Are the reported PQLs less than the Cleanup Level or the minimum required detection level for the project?

Yes (No) NA (Please explain.) Comments:

The Limits of Quantitation (LOQs) for gasoline range organics (GRO) and benzene exceeded the ADEC cleanup criteria for the samples collected from Monitoring Wells MW1, MW17 (duplicate of MW1), and MW-13. The LOQs for GRO, benzene, diesel range organics (DRO), and residual range organics (RRO) exceeded the ADEC cleanup criteria for the samples collected from Monitoring Wells MW2 and MW-14.

e. Data quality or usability affected?

Comments:

Because the specific analytes all had positive detections that exceeded their applicable ADEC cleanup criteria, the elevated LOQs do not affect the interpretation of the data.

6. QC Samples

a. Method Blank

i. One method blank reported per matrix, analysis and 20 samples?

(Yes) No NA (Please explain.) Comments:

ii. All method blank results less than PQL?

(Yes) No NA (Please explain.) Comments:

iii. If above PQL, what samples are affected?

N/A

Comments:

iv. Do the affected sample(s) have data flags and if so, are the data flags clearly defined?
Yes No (NA) (Please explain.) Comments:

N/A

v. Data quality or usability affected? (Please explain.)
Comments:

N/A

b. Laboratory Control Sample/Duplicate (LCS/LCSD)

i. Organics – One LCS/LCSD reported per matrix, analysis and 20 samples? (LCS/LCSD required per AK methods, LCS required per SW846)
(Yes) No NA (Please explain.) Comments:

ii. Metals/Inorganics – one LCS and one sample duplicate reported per matrix, analysis and 20 samples?
Yes (No) NA (Please explain.) Comments:

No metals or inorganics were analyzed.

iii. Accuracy – All percent recoveries (%R) reported and within method or laboratory limits? And project specified DQOs, if applicable. (AK Petroleum methods: AK101 60%-120%, AK102 75%-125%, AK103 60%-120%; all other analyses see the laboratory QC pages)
(Yes) No NA (Please explain.) Comments:

iv. Precision – All relative percent differences (RPD) reported and less than method or laboratory limits? And project specified DQOs, if applicable. RPD reported from LCS/LCSD, MS/MSD, and or sample/sample duplicate. (AK Petroleum methods 20%; all other analyses see the laboratory QC pages)
(Yes) No NA (Please explain.) Comments:

v. If %R or RPD is outside of acceptable limits, what samples are affected?
Comments:

N/A

vi. Do the affected sample(s) have data flags? If so, are the data flags clearly defined?
Yes No (NA) (Please explain.) Comments:

vii. Data quality or usability affected? (Use comment box to explain.)
Comments:

N/A

c. Surrogates – Organics Only

i. Are surrogate recoveries reported for organic analyses – field, QC and laboratory samples?
(Yes) No NA (Please explain.) Comments:

ii. Accuracy – All percent recoveries (%R) reported and within method or laboratory limits? And project specified DQOs, if applicable. (AK Petroleum methods 50-150 %R; all other analyses see the laboratory report pages)
(Yes) No NA (Please explain.) Comments:

iii. Do the sample results with failed surrogate recoveries have data flags? If so, are the data flags clearly defined?
Yes No (NA) (Please explain.) Comments:

No percent recoveries for surrogates were outside the laboratory acceptance ranges.

iv. Data quality or usability affected? (Use the comment box to explain.)
Comments:

N/A

d. Trip blank – Volatile analyses only (GRO, BTEX, Volatile Chlorinated Solvents, etc.): Water and Soil

i. One trip blank reported per matrix, analysis and for each cooler containing volatile samples? (If not, enter explanation below.)
(Yes) No NA (Please explain.) Comments:

ii. Is the cooler used to transport the trip blank and VOA samples clearly indicated on the COC? (If not, a comment explaining why must be entered below)
Yes (No) NA (Please explain.) Comments:

All VOA Samples were placed in one cooler with the trip blank by the field sampler.

iii. All results less than PQL?
(Yes) No NA (Please explain.) Comments:

iv. If above PQL, what samples are affected?
Comments:

N/A

v. Data quality or usability affected? (Please explain.)

Comments:

N/A

e. Field Duplicate

i. One field duplicate submitted per matrix, analysis and 10 project samples?

(Yes) No NA (Please explain.) Comments:

ii. Submitted blind to lab?

(Yes) No NA (Please explain.) Comments:

iii. Precision – All relative percent differences (RPD) less than specified DQOs? (Recommended: 30% water, 50% soil)

$$RPD\ (\%) = \text{Absolute value of: } \frac{(R_1-R_2)}{((R_1+R_2)/2)} \times 100$$

Where R_1 = Sample Concentration
R_2 = Field Duplicate Concentration

(Yes) No NA (Please explain.) Comments:

The water sample collected from Monitoring Well MW17 was a duplicate of the water sample collected from Monitoring Well MW1 and was collected to evaluate sampling precision. The Relative Percent Differences (RPDs) for all analytes in this sample and duplicate sample were between 2.09 percent and 12.90 percent and were in accordance with ADEC guidelines (less than 30 percent). This indicates acceptable field sampling precision for this sampling event.

iv. Data quality or usability affected? (Use the comment box to explain why or why not.)

Comments:

N/A

f. Decontamination or Equipment Blank (If not used explain why).

Yes No (NA) (Please explain.) Comments:

Not applicable. A decontamination or equipment blank was not collected; not part of our approved scope of work.

i. All results less than PQL?

Yes No NA (Please explain.) Comments:

N/A

ii. If above PQL, what samples are affected?

Comments:

N/A

iii. Data quality or usability affected? (Please explain.)

Comments:

N/A

7. Other Data Flags/Qualifiers (ACOE, AFCEE, Lab Specific, etc.)
   a. Defined and appropriate?
      Yes No (NA) (Please explain.) Comments:

No other data qualifiers were provided.

Laboratory Data Review Checklist

Completed by: Joshua Barsis

Title: Environmental Scientist Date: October 2012

CS Report Name: Groundwater Monitoring Report Report Date: February 2013

Consultant Firm: BGES, Inc.

Laboratory Name: SGS North America, Inc. Laboratory Report Number: 1124367

ADEC File Number: 2100.26.252 ADEC RecKey Number: **N/A**

1. Laboratory
   a. Did an ADEC CS approved laboratory receive and perform all of the submitted sample analyses?
      (Yes) No NA (Please explain.) Comments:

   b. If the samples were transferred to another "network" laboratory or sub-contracted to an alternate laboratory, was the laboratory performing the analyses ADEC CS approved?
      Yes No (NA) (Please explain.) Comments:

   Laboratory samples were not transferred to another "network" laboratory.

2. Chain of Custody (COC)
   a. COC information completed, signed, and dated (including released/received by)?
      (Yes) No NA (Please explain.) Comments:

   b. Correct analyses requested?
      (Yes) No NA (Please explain.) Comments:

3. Laboratory Sample Receipt Documentation
   a. Sample/cooler temperature documented and within range at receipt (4° ± 2° C)?
      (Yes) No NA (Please explain.) Comments:

   b. Sample preservation acceptable – acidified waters, Methanol preserved VOC soil (GRO, BTEX, Volatile Chlorinated Solvents, etc.)?
      (Yes) No NA (Please explain.) Comments:

c. Sample condition documented – broken, leaking (Methanol), zero headspace (VOC vials)?
(Yes) No NA (Please explain.) Comments:

d. If there were any discrepancies, were they documented? For example, incorrect sample containers/preservation, sample temperature outside of acceptable range, insufficient or missing samples, etc.?
Yes No (NA) (Please explain.) Comments:

No discrepancies were documented. All data were reported within laboratory acceptance limits.

e. Data quality or usability affected? (Please explain.)
Comments:

N/A

4. Case Narrative
a. Present and understandable?
(Yes) No NA (Please explain.) Comments:

b. Discrepancies, errors or QC failures identified by the lab?
Yes (No) NA (Please explain.) Comments:

c. Were all corrective actions documented?
Yes No (NA) (Please explain.) Comments:

No discrepancies, errors, or QC failures were identified by the lab.

d. What is the effect on data quality/usability according to the case narrative?
Comments:

No discrepancies, errors, or QC failures were identified by the lab.

5. Samples Results
a. Correct analyses performed/reported as requested on COC?
(Yes) No NA (Please explain.) Comments:

b. All applicable holding times met?
(Yes) No NA (Please explain.) Comments:

c. All soils reported on a dry weight basis?
Yes No (NA) (Please explain.) Comments:

No soils were analyzed during this sampling event.

d. Are the reported PQLs less than the Cleanup Level or the minimum required detection level for the project?
(Yes) No NA (Please explain.) Comments:

e. Data quality or usability affected?
Comments:

N/A

6. QC Samples
   a. Method Blank
      i. One method blank reported per matrix, analysis and 20 samples?
      (Yes) No NA (Please explain.) Comments:

      ii. All method blank results less than PQL?
      (Yes) No NA (Please explain.) Comments:

      iii. If above PQL, what samples are affected?
      Comments:

      N/A

      iv. Do the affected sample(s) have data flags and if so, are the data flags clearly defined?
      Yes No (NA) (Please explain.) Comments:

      No data quality issues were identified.

v. Data quality or usability affected? (Please explain.)
Comments:

N/A

b. Laboratory Control Sample/Duplicate (LCS/LCSD)

i. Organics – One LCS/LCSD reported per matrix, analysis and 20 samples? (LCS/LCSD required per AK methods, LCS required per SW846)
(Yes) No NA (Please explain.) Comments:

ii. Metals/Inorganics – one LCS and one sample duplicate reported per matrix, analysis and 20 samples?
Yes No (NA) (Please explain.) Comments:

No metals or inorganics were analyzed

iii. Accuracy – All percent recoveries (%R) reported and within method or laboratory limits? And project specified DQOs, if applicable. (AK Petroleum methods: AK101 60%-120%, AK102 75%-125%, AK103 60%-120%; all other analyses see the laboratory QC pages)
(Yes) No NA (Please explain.) Comments:

iv. Precision – All relative percent differences (RPD) reported and less than method or laboratory limits? And project specified DQOs, if applicable. RPD reported from LCS/LCSD, MS/MSD, and or sample/sample duplicate. (AK Petroleum methods 20%; all other analyses see the laboratory QC pages)
(Yes) No NA (Please explain.) Comments:

v. If %R or RPD is outside of acceptable limits, what samples are affected?
Comments:

N/A

vi. Do the affected sample(s) have data flags? If so, are the data flags clearly defined?
Yes No (NA) (Please explain.) Comments:

No percent recoveries or RPDs were outside the laboratory acceptance ranges

vii. Data quality or usability affected? (Use comment box to explain.)
Comments:

N/A

c. Surrogates – Organics Only

i. Are surrogate recoveries reported for organic analyses – field, QC and laboratory samples?
(Yes) No NA (Please explain.) Comments:

ii. Accuracy – All percent recoveries (%R) reported and within method or laboratory limits? And project specified DQOs, if applicable. (AK Petroleum methods 50-150 %R; all other analyses see the laboratory report pages)

(Yes) No NA (Please explain.) Comments:

iii. Do the sample results with failed surrogate recoveries have data flags? If so, are the data flags clearly defined?

Yes No (NA) (Please explain.) Comments:

No percent recovery values for surrogates were outside the laboratory acceptance ranges.

iv. Data quality or usability affected? (Use the comment box to explain.)

Comments:

N/A

d. Trip blank – Volatile analyses only (GRO, BTEX, Volatile Chlorinated Solvents, etc.): Water and Soil

i. One trip blank reported per matrix, analysis and for each cooler containing volatile samples? (If not, enter explanation below.)

(Yes) No NA (Please explain.) Comments:

ii. Is the cooler used to transport the trip blank and VOA samples clearly indicated on the COC? (If not, a comment explaining why must be entered below)

Yes No (NA) (Please explain.) Comments:

iii. All results less than PQL?

(Yes) No NA (Please explain.) Comments:

iv. If above PQL, what samples are affected?

Comments:

N/A

v. Data quality or usability affected? (Please explain.)

Comments:

N/A

e. Field Duplicate

i. One field duplicate submitted per matrix, analysis and 10 project samples?

(Yes) No NA (Please explain.) Comments:

Submitted under separate work order.

ii. Submitted blind to lab?

(Yes) No NA (Please explain.) Comments:

iii. Precision – All relative percent differences (RPD) less than specified DQOs? (Recommended: 30% water, 50% soil)

$$\text{RPD (\%)} = \text{Absolute value of: } \frac{(R_1 - R_2)}{((R_1 + R_2)/2)} \times 100$$

Where R_1 = Sample Concentration
R_2 = Field Duplicate Concentration

(Yes) No NA (Please explain.) Comments:

iv. Data quality or usability affected? (Use the comment box to explain why or why not.)

Comments:

N/A

f. Decontamination or Equipment Blank (If not used explain why).

Yes No (NA) (Please explain.) Comments:

Not applicable. A decontamination or equipment blank was not collected; not part of our approved scope of work.

i. All results less than PQL?

Yes No NA (Please explain.) Comments:

N/A

ii. If above PQL, what samples are affected?

Comments:

N/A

iii. Data quality or usability affected? (Please explain.)

Comments:

N/A

7. Other Data Flags/Qualifiers (ACOE, AFCEE, Lab Specific, etc.)
   a. Defined and appropriate?
      Yes No (NA) (Please explain.) Comments:

APPENDIX D
GRAPHICAL HUMAN HEALTH CONCEPTUAL SITE MODEL

HUMAN HEALTH CONCEPTUAL SITE MODEL

Site: Custom Truck
4748 Old Seward Highway
Anchorage, AK

Completed By: Joshua Barsis

Date Completed: October 3, 2012

Follow the directions below. Do not consider engineering or land use controls when describing pathways.

(1)
Check the media that could be directly affected by the release.

(2)
For each medium identified in (1), follow the top arrow and check possible transport mechanisms. Briefly list other mechanisms or reference the report for details.

(3)
Check exposure media identified in (2).

(4)
Check exposure pathways that are complete or need further evaluation. The pathways identified must agree with Sections 2 and 3 of the CSM Scoping Form.

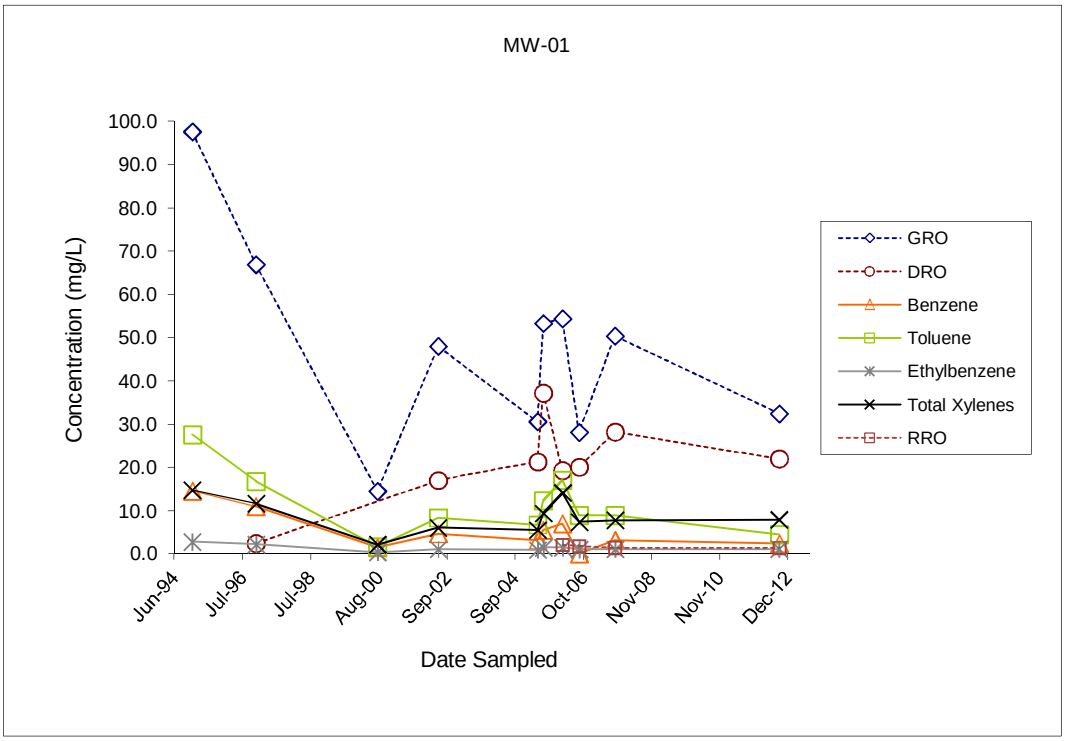
(5)
Identify the receptors potentially affected by each exposure pathway: Enter "C" for current receptors, "F" for future receptors, or "C/F" for both current and future receptors.

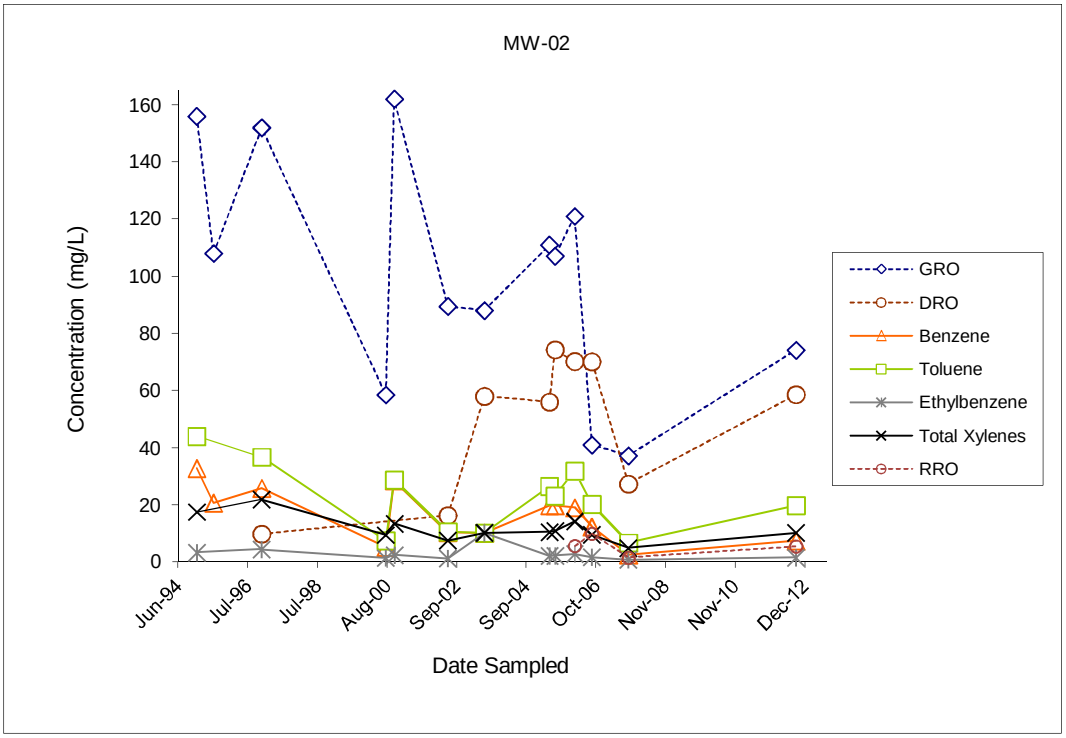
Media	Transport Mechanisms	Exposure Media	Exposure Pathways	Current & Future Receptors: Residents (adults or children)	Commercial or industrial workers	Site visitors, trespassers, or recreational users	Construction workers	Farmers or subsistence harvesters	Subsistence consumers	Other
☐ Surface Soil (0-2 ft bgs)	☐ Direct release to surface soil — *check soil* ☐ Migration or leaching to subsurface — *check soil* ☐ Migration or leaching to groundwater — *check groundwater* ☐ Volatilization — *check air* ☐ Runoff or erosion — *check surface water* ☐ Uptake by plants or animals — *check biota* ☐ Other (*list*):_____	☑ soil	☑ Incidental Soil Ingestion	F	F	F	F			
			☑ Dermal Absorption of Contaminants from Soil	F	F	F	F			
☑ Subsurface Soil (2-15 ft bgs)	☑ Direct release to subsurface soil — *check soil* ☑ *Migration to groundwater* — *check groundwater* ☑ *Volatilization* — *check air* ☐ *Other (list):*_____	☑ groundwater	☑ Ingestion of Groundwater	F	C,F	C,F	F			
			☑ Dermal Absorption of Contaminants in Groundwater	F	C,F	C,F	F			
			☑ Inhalation of Volatile Compounds in Tap Water	F	C,F	C,F	F			
☑ Ground-water	☑ Direct release to groundwater — *check groundwater* ☑ *Volatilization* — *check air* ☑ *Flow to surface water body* — *check surface water* ☑ *Flow to sediment* — *check sediment* ☑ *Uptake by plants or animals* — *check biota* ☐ *Other (list):*_____	☑ air	☑ Inhalation of Outdoor Air	F	C,F	C,F	F			
			☑ Inhalation of Indoor Air	F	C,F	C,F	F			
			☑ Inhalation of Fugitive Dust				F			
☐ Surface Water	☐ Direct release to surface water — *check surface water* ☐ *Volatilization* — *check air* ☐ *Sedimentation* — *check sediment* ☐ *Uptake by plants or animals* — *check biota* ☐ *Other (list):*_____	☑ surface water	☑ Ingestion of Surface Water	C,F	C,F	C,F	C,F	C,F	C,F	
			☑ Dermal Absorption of Contaminants in Surface Water	C,F	C,F	C,F	C,F	C,F	C,F	
			☐ Inhalation of Volatile Compounds in Tap Water							
☐ Sediment	☐ Direct release to sediment — *check sediment* ☐ *Resuspension, runoff, or erosion* — *check surface water* ☐ *Uptake by plants or animals* — *check biota* ☐ *Other (list):*_____	☑ sediment	☑ Direct Contact with Sediment	C,F	C,F	C,F	C,F	C,F	C,F	
		☑ biota	☑ Ingestion of Wild Foods	C,F	C,F	C,F	C,F	C,F	C,F	

Revised 3/21/06

APPENDIX E
GRAPHS OF HISTORICAL WATER QUALITY DATA

GRAPHS
CUSTOM TRUCK
HISTORICAL ANALYTICAL RESULTS
AUGUST AND SEPTEMBER 2012

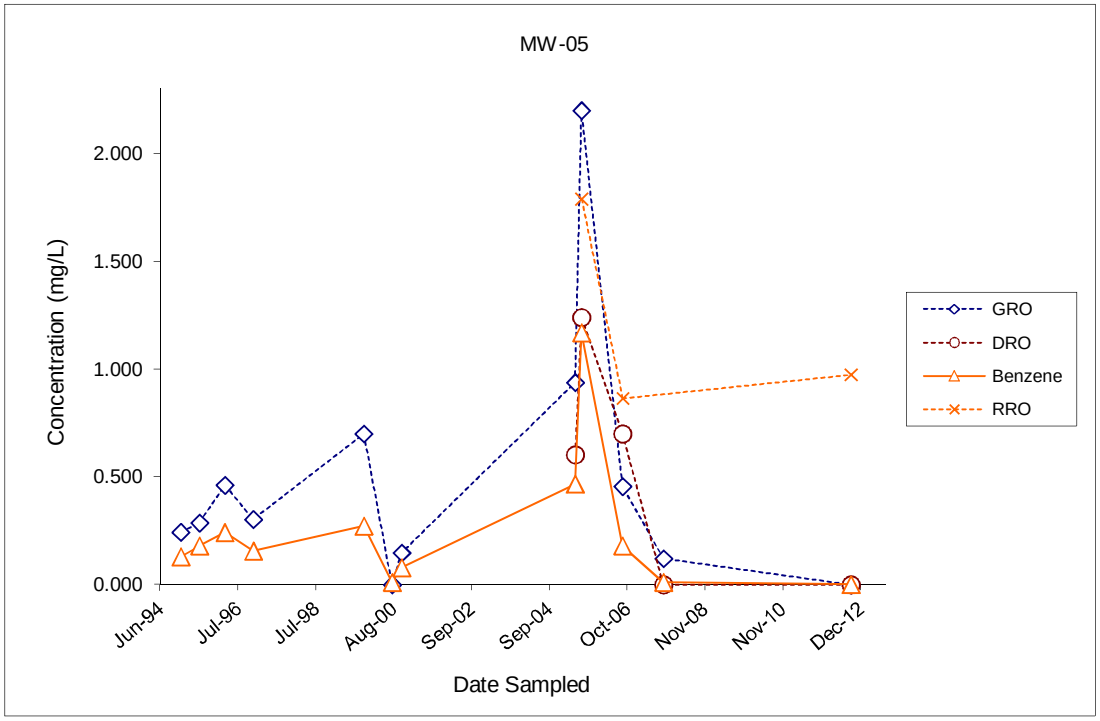


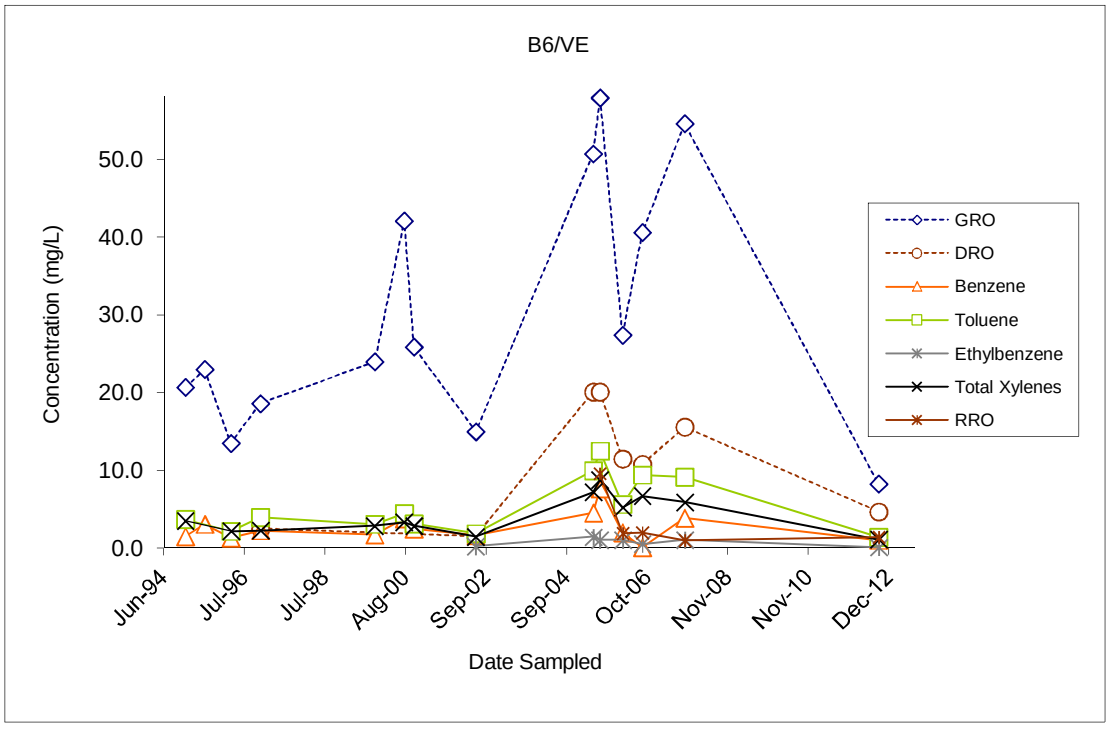


Only analytes with historic contamination above ADEC cleanup levels were listed.

GRO = Gasoline Range Organics DRO = Diesel Range Organics RRO = Residual Range Organics

GRAPHS
CUSTOM TRUCK
HISTORICAL ANALYTICAL RESULTS
AUGUST AND SEPTEMBER 2012





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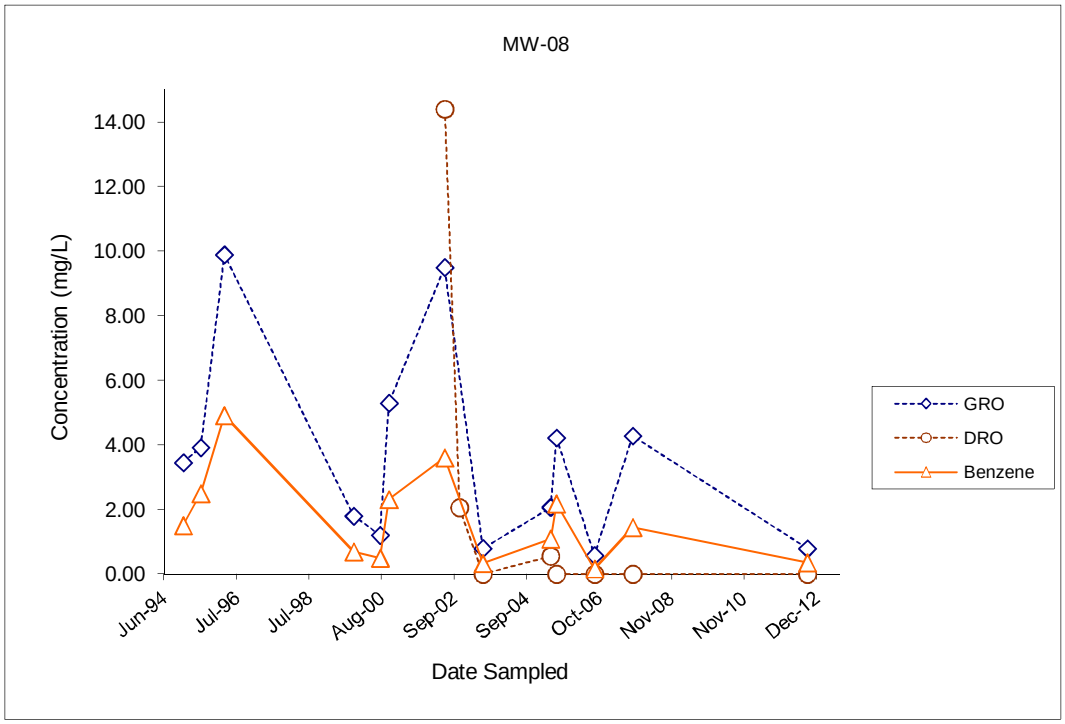
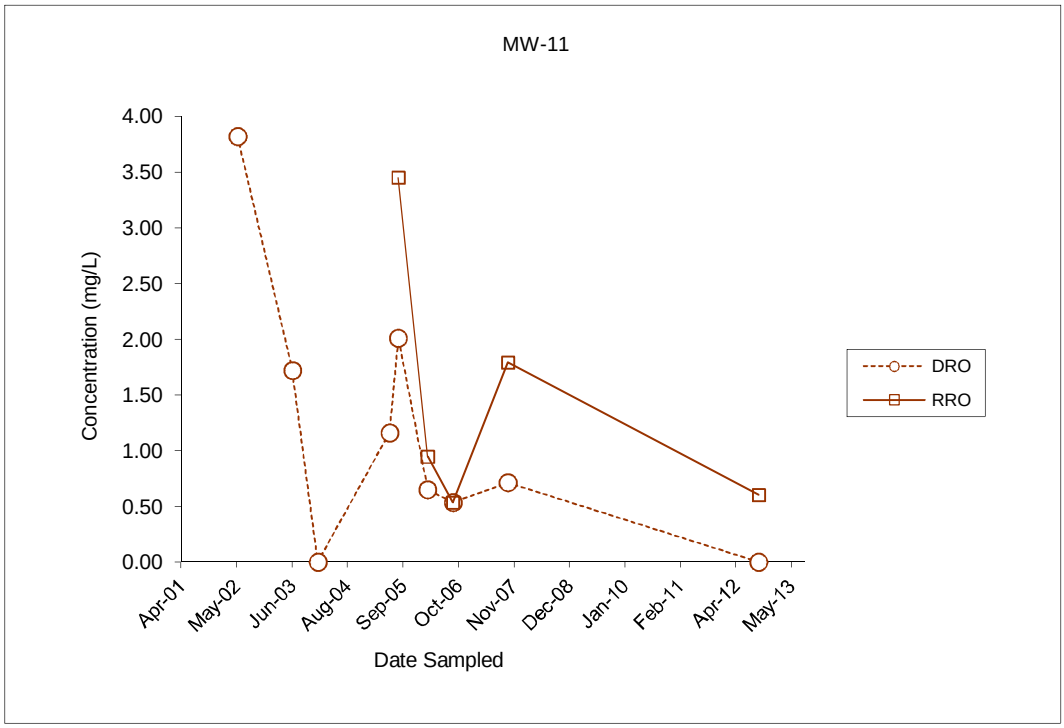
GRAPHS
CUSTOM TRUCK
HISTORICAL ANALYTICAL RESULTS
AUGUST AND SEPTEMBER 2012





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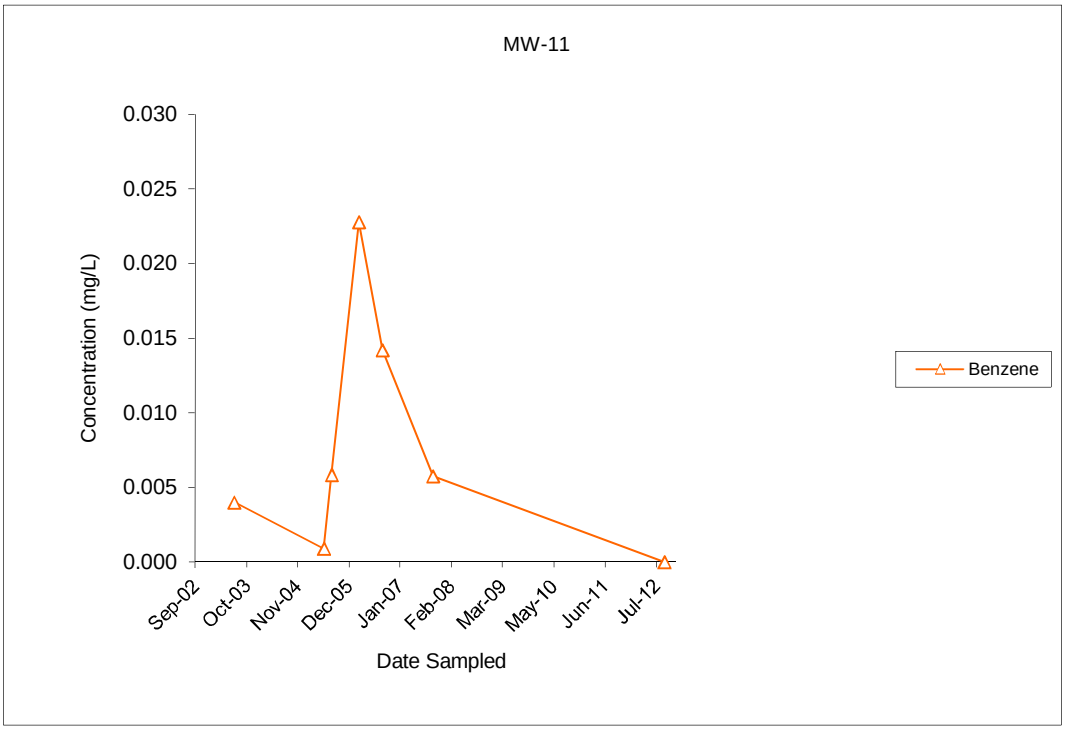
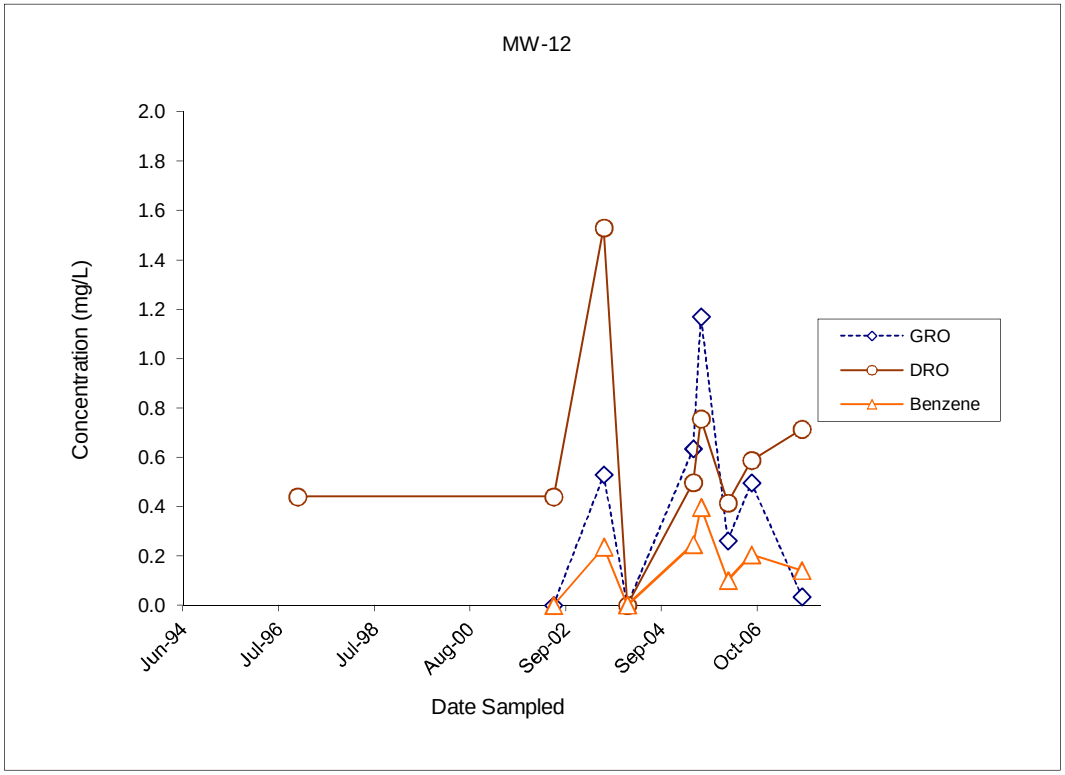
GRAPHS
CUSTOM TRUCK
HISTORICAL ANALYTICAL RESULTS
AUGUST AND SEPTEMBER 2012





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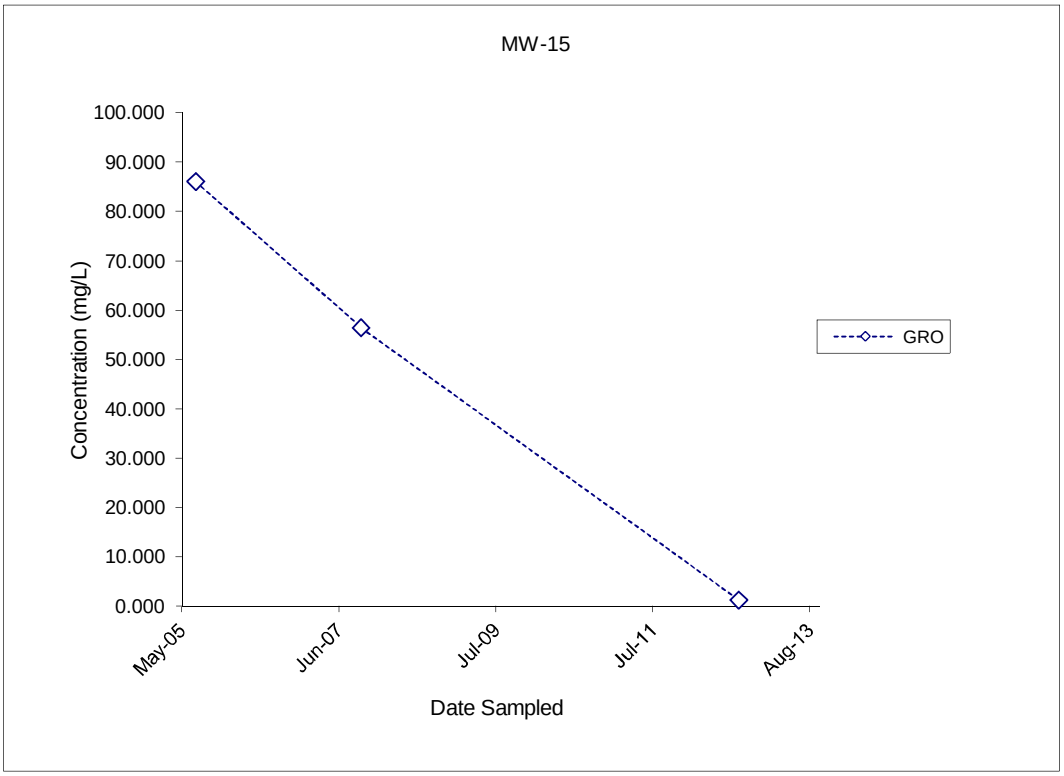
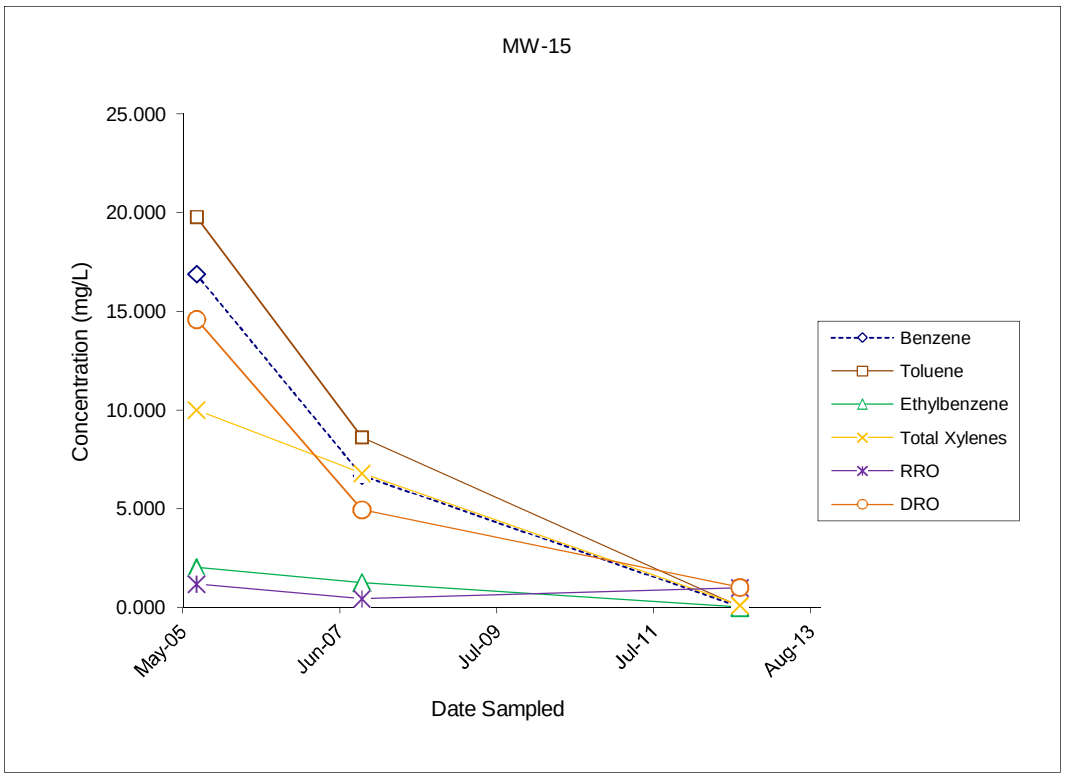
GRAPHS
CUSTOM TRUCK
HISTORICAL ANALYTICAL RESULTS
AUGUST AND SEPTEMBER 2012





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