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Consulting Engineers & Scientists

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LIMITED SITE INVESTIGATION

CITY OF HOUSTON FLEET MAINTENANCE FACILITY
801 N. GILLETTE STREET
HOUSTON, HARRIS COUNTY, TEXAS

Terracon Project No. 92067692
November 20, 2006

Prepared for:

City of Houston Mayor's Office
Brownfields Redevelopment Program
900 Bagby, 2nd Floor
Houston, Texas, 77022

Prepared by:

Terracon
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11555 Clay Road, Suite 100
Houston, Texas 77043

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City of Houston Mayor's Office
Brownfields Redevelopment Program
900 Bagby, 2nd Floor
Houston, Texas, 77022
Attn: Mr. David Reel

Telephone: (713) 437-6524
Fax: (713) 247-1219

Re: Limited Site Investigation
City Of Houston Fleet Maintenance Facility
801 N. Gillette Street
Terracon Project No. 92067692

Dear Mr. Reel:

Terracon Consultants, Inc. (Terracon) is pleased to submit three copies of the Limited Site Investigation (LSI) report for the above referenced site. This investigation was performed in accordance with Terracon's Proposal Number P92-1849E-06 dated August 29, 2006.

The investigation-derived waste (IDW) materials are currently staged on-site. Upon your request, Terracon will dispose of the IDW as described in Terracon's Proposal.

We appreciate the opportunity to perform these services for the City of Houston's Brownfields Redevelopment Program. Please contact either of the undersigned at (713) 690-8989 if you have questions regarding the information provided in the report.

Sincerely,
Terracon

Prepared by:

for
Janis K. Franklin, PG
Senior Project Manager

Reviewed by:

Steven R. Neely, P.E.
Senior Technical Review

STATE OF TEXAS
11/22/06
STEVEN R. NEELY
47965
REGISTERED PROFESSIONAL ENGINEER

Terracon
Consulting Engineers & Scientists

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LIMITED SITE INVESTIGATION

CITY OF HOUSTON FLEET MAINTENANCE FACILITY
801 N. GILLETTE STREET
HOUSTON, HARRIS COUNTY, TEXAS

Terracon Project No. 92067692

1.0 INTRODUCTION

1.1 Scope of Work

Terracon Consultants, Inc. (Terracon) conducted a Limited Site Investigation (LSI) at the City of Houston (COH) Fleet Maintenance Facility located at 801 N. Gillette Street in Houston, Harris County, Texas. A Site Vicinity Map, which shows the site in relation to the surrounding area, is included as Figure 1. The LSI was conducted in accordance with Terracon Proposal No. P92-1849E-06 dated August 29, 2006. The scope of work for this LSI was based on the results of Terracon's Environmental Site Assessment (ESA - Report No. 92067603, dated September 5, 2006) which identified the following recognized environmental conditions (RECs):

- The Phase I ESA revealed that the City of Houston acquired a portion of the site in November 1916 and the rest of the site in March 1944. Based on the information gathered during performance of the Phase I ESA, the site has been occupied by the City of Houston Fleet Maintenance Facility since at least the early 1920s. A known release of petroleum hydrocarbons from the site was reported in previous environmental site investigation reports. This site has been entered into the Texas Commission on Environmental Quality (TCEQ) Leaking Petroleum Storage Tank (LPST) Program and has been assigned an LPST ID 105219. The previous investigations only addressed environmental issues related to releases of petroleum hydrocarbons from the onsite USTs. In addition to the previously investigated petroleum hydrocarbon release, fleet maintenance operations can often include the use of chemicals such as paints, lubricants, degreasers, solvents, and glycol, which could have resulted in chemical releases. The general use of the site as a fleet maintenance facility constitutes a recognized environmental concern (REC).

- In addition, Terracon reviewed a Status Summary for the environmental work being performed at the adjacent San Felipe Park site (the adjoining property to the north) by Roy F. Weston, Inc., dated May 1, 2002. A significant amount of historic filling was found to have taken place in the area. The City of Houston performed soil sampling at San Felipe Park in 1997/8. Analytical results for soil samples (fill) indicated lead concentrations in surface soil ranging from 10 milligrams per kilogram (mg/kg) to 4,940

mg/kg, and total petroleum hydrocarbons (TPH) at 54 mg/kg. Based on the subsurface investigation performed at that time, debris that included glass pieces, melted glass, and metal pieces was encountered to depths of 28 feet below ground surface (bgs). Borings advanced on the Fleet Maintenance Facility Site for the hydrocarbon release investigation also show the presence of fill/debris on that site. Terracon reviewed the boring logs for groundwater monitor wells MW-11, MW-12, MW-19, MW-24, and MW-27, installed as a part of the LPST clean up, which indicated debris ranging in depth from approximately 2 to 20 feet bgs on the Fleet Maintenance Site. With the identified contamination on the adjacent park site, the presence of possibly similar fill/debris constitutes an REC.

The objective of the LSI was to investigate the soil and groundwater at the site for the presence of chemicals of concern (COCs), including total petroleum hydrocarbons (TPH), metals, and volatile organic compounds (VOCs), which may have been released from the aforementioned REC.

1.2 Standard of Care

Terracon's services were performed in a manner consistent with generally accepted practices of the profession undertaken in similar studies in the same geographical area during the same time period. Terracon makes no warranties, either express or implied, regarding the findings, conclusions or recommendations. Please note that Terracon does not warrant the work of laboratories, regulatory agencies or other third parties supplying information used in the preparation of the report.

1.3 Additional Scope Limitations

Findings, conclusions and recommendations resulting from these services are based upon information derived from the on-site activities and other services performed under this scope of work; such information is subject to change over time. Certain indicators of the presence of hazardous substances, petroleum products, or other constituents may have been latent, inaccessible, unobservable, nondetectable or not present during these services, and we cannot represent that the site contains no hazardous substances, toxic materials, petroleum products, or other latent conditions beyond those identified during this LSI. Subsurface conditions may vary from those encountered at specific borings or wells or during other surveys, tests,

assessments, investigations or exploratory services; the data, interpretations, findings, and our recommendations are based solely upon data obtained at the time and within the scope of these services.

1.4 Reliance

This report has been prepared for the exclusive use of the City of Houston. Any authorization for use or reliance by any other party (except a governmental entity having jurisdiction over the site) is prohibited without the express written authorization of the City of Houston and Terracon. Any unauthorized distribution or reuse is at the client's sole risk. Notwithstanding the foregoing, reliance by authorized parties will be subject to the terms, conditions and limitations stated in the proposal, LSI report, and Terracon's Contract with the City of Houston.

2.0 FIELD ACTIVITIES

2.1 Soil Borings and Groundwater Monitor Wells

The LSI field activities were conducted on September 22, 23, and 27, 2006. Mr. Josh McFarlain of Terracon was present during the field activities to direct the work, log the borings, and collect samples. Four soil borings (TMW-1 through TMW-4) were advanced on-site for the purposes of the LSI. The soil borings were completed as groundwater monitor wells (TMW-1 through TMW-4) to facilitate the collection of groundwater samples. Figure 2 is a Site Plan that shows the approximate location of the soil borings/monitor wells in relation to the pertinent structures and site boundaries.

The soil borings were drilled by a Monitor Well Driller licensed in the State of Texas to depths of between 40 and 45 feet below ground surface (bgs) using a truck-mounted hollow-stem auger rig. Sampling equipment was decontaminated by an Alconox wash, potable water rinse and final distilled water rinse prior to commencement of the project and between the installation of each soil boring.

Soil cores were collected continuously from the surface to the maximum terminal depth of 45 feet bgs using five-foot-long split-spoon sampler barrels. The soil cores were examined in the field to document lithology, color, moisture content, and visual or olfactory evidence of chemical impact. In addition, the samples were scanned with an organic vapor monitor (OVM) equipped with a photoionization detector (PID) to detect the presence of volatile organic vapors. The lithologies encountered generally consisted of fill material from the surface to 24 feet bgs where

interlayered clay and sand was encountered to the terminal depth of each soil boring. Groundwater was initially encountered in the silty sand stratum. Detailed lithologic descriptions are presented on the soil boring logs included in Appendix A.

At the completion of drilling, the borings were converted into groundwater monitor wells. Each monitor well consisted of 10 feet of 2-inch-diameter polyvinyl chloride (PVC) well screen with 0.010-inch slots (5-foot of screen in the case of MW-2), a threaded bottom cap, and a sufficient length of 2-inch-diameter PVC riser pipe to reach the surface. A filter pack consisting of 20-40 mesh silica sand was placed into the annular space from the bottom of the boring to approximately 2-feet above the screened interval. A two foot thick bentonite seal was placed above the filter pack. The remaining annular space was filled with a bentonite/grout seal. The monitor well was completed at the surface using an 8-inch diameter manway anchored into a 2-feet by 2-feet by 4-inch thick concrete pad.

After installation, the monitor wells were developed by removing groundwater with a submersible pump and dedicated plastic tubing until the purge water was relatively free of fine-grained sediment. Approximately 120 gallons of purge water was removed from the monitor wells during development activities.

Soil cuttings, purge water and decontamination water generated during the investigation were placed in Department of Transportation (DOT) approved, 55-gallon steel drums, appropriately labeled with project-specific information and date. The drums are stored on-site pending characterization and disposal of the waste.

2.2 Soil and Groundwater Sampling

Soil samples were retained from the ground surface to the bottom of the fill and one sample was retained from the native soil beneath the fill material. Soil sample intervals for each boring are provided on the lithologic boring logs included in Appendix A.

After the monitor wells had been developed, the groundwater level within each well was allowed to stabilize for a period of at least 48-hours prior to sampling. One groundwater sample was collected and analyzed from each newly installed monitor well and from four existing onsite monitor wells. Prior to sampling, the monitor wells were micro-purged utilizing a peristaltic pump and dedicated polyethylene tubing. Groundwater was micro-purged at a rate of approximately 80 to 100 milliliters per minute until the groundwater parameters dissolved oxygen (DO), oxidation/reduction potential (ORP), temperature, pH, and conductivity stabilized.

Following stabilization of these parameters, a groundwater sample was collected immediately from the dedicated tubing.

A summary of the sample collection intervals and sample media, and analytical testing performed is provided below:

Soil boring/ monitor well TMW-1

- A soil sample was collected from approximately 3 to 4 feet bgs from the fill materials – the sample was analyzed for RCRA metals;
- A soil sample was collected from approximately 9-10 feet bgs from the underlying native soils – the sample was analyzed for RCRA metals;
- A groundwater sample was collected from TMW-1 installed to a depth of 40 feet bgs – the sample was analyzed for RCRA metals.

Soil boring/ monitor well TMW-2

- A soil sample was collected from approximately 2 to 3 feet bgs from the fill materials – the sample was analyzed for RCRA metals;
- A soil sample was collected from approximately 4 to 5 feet bgs from the underlying native soils – the sample was analyzed for VOCs and RCRA metals;
- A groundwater sample was collected from TMW-2 installed to a depth of 40 feet bgs – the sample was analyzed for RCRA metals.

Soil boring/ monitor well TMW-3

- A soil sample was collected from approximately 4 to 5 feet bgs from the fill materials – the sample was analyzed for RCRA metals;
- A soil sample was collected from approximately 6 to 7 feet bgs from the underlying native soils – the sample was analyzed for RCRA metals;
- A groundwater sample was collected from TMW-3 installed to a depth of 40 feet bgs – the sample was analyzed for RCRA metals.

Soil boring/ monitor well TMW-4

- A soil sample was collected from approximately 2 to 3 feet bgs from the fill materials – the sample was analyzed for RCRA metals;
- A soil sample was collected from approximately 24 to 25 feet bgs from the underlying native soils – the sample was analyzed for VOCs and RCRA metals;

- A groundwater sample was collected from TMW-4 installed to a depth of 45 feet bgs – the sample was analyzed for RCRA metals.

In addition, groundwater from four existing monitoring wells (MW-12, MW-19, MW-22, and MW-24) was collected for analysis of VOCs and RCRA metals.

The soil and groundwater samples were collected and placed in laboratory prepared glassware, sealed with custody tape and placed on ice in a cooler which was secured with a custody seal. The sample cooler and completed chain-of-custody form was relinquished to e-Lab Analytical in Houston, Texas, for analysis.

3.0 LABORATORY ANALYTICAL PROGRAM

The analytical program was based on the potential environmental concerns identified during the ESA. The samples collected from the fill material and the samples collected from the native soil were analyzed for RCRA metals using Environmental Protection Agency (EPA) test method 6010B/7471A. Two samples, TMW-2 (collected 4 to 5 feet bgs) and TMW-4 (collected 24 to 25 feet bgs) exhibited elevated PID readings and were additionally analyzed for volatile organic compounds (VOCs) using EPA test method 8260B.

The groundwater sample collected from each newly installed monitor well was analyzed for RCRA metals using EPA test method 6010B/7471A. In addition, a groundwater sample was collected from four of the existing onsite monitor wells (MW-12, MW-19, MW-22, and MW-24) and analyzed for RCRA metals using EPA test method 6010B/7471A and VOCs using EPA test method 8260B.

The soil and groundwater analytical results have been summarized in Tables 1 and 2, respectively. A copy of the analytical report and chain-of-custody form is included in Appendix B. An evaluation of the analytical results is presented below.

4.0 INVESTIGATION RESULTS AND EVALUATION

4.1 Soil Samples

As discussed above, the soil cores recovered from the borings were screened in the field for evidence of chemical impact such as chemical odors or PID readings. There was evidence of

chemical impact detected in soils recovered from two of the four borings. PID readings ranging up to 409 parts per million (ppm) were detected in the soil sample collected 4 to 5 feet bgs from soil boring TMW-2. PID readings ranging up to 454 ppm were detected in the soil sample collected 24 to 25 feet bgs from soil boring TMW-4.

Several VOCs including acetone, 2-butanone, n-butylbenzene, sec-butylbenzene, ethylbenzene, methylene chloride, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, xyelenes, and naphthelene were detected in the soil samples TMW-2 (collected 4 to 5 feet bgs) and TMW-4 (collected 24-25 feet bgs). The detected VOC concentrations were below the TCEQ action levels with the exception of methylene chloride detected in soil sample collected 24 to 25 feet bgs from soil boring TMW-4. Please note that methylene chloride is a common laboratory solvent and the detection of methylene chloride in soil and/or groundwater samples is generally not indicative of its presence at the site.

Concentrations of the eight RCRA metals were detected in all of the eight analyzed soil samples at concentrations ranging up to 11.9 mg/kg (arsenic), 1160 mg/kg (barium), 2.92 mg/kg (cadmium), 26.5 mg/kg (chromium), 2140 mg/kg (lead), 0.748 mg/kg (mercury), 0.973 mg/kg (selenium), and 3.82 mg/kg (silver).

For the purposes of evaluating if the potential COCs (i.e. the referenced concentrations of VOCs and RCRA metals) detected in the soil samples may constitute an "affected property" and be subject to corrective action under the TCEQs Texas Risk Reduction Program (TRRP – 30 TAC 350), Terracon compared the concentrations of the above-referenced compounds detected in soil to the respective TRRP action level defined in the TRRP guidance document *Determining Which Releases are Subject to TRRP* (dated October 21, 2003). The referenced guidance defines soil action levels as "the lowest applicable Tier 1 residential protective concentration level (PCL) for a given COC, assuming a 0.5-acre source area and a Class 1 groundwater". The TCEQ uses the action levels to determine if a site has been "affected" by a reported release of COCs. If COCs identified in a release are detected at concentrations at or exceeding their respective action levels, the property is considered to be "affected" and TRRP-defined corrective action (including an affected property assessment and possible response actions) may be required by the TCEQ to secure regulatory closure.

The concentration of arsenic detected in soil sample TMW-4 at 2-3 feet bgs (11.9 mg/kg) exceeds the established TRRP action level of 5.9 mg/kg. The concentration of barium detected in soil sample B-4 at 2-3 feet bgs (1160 mg/kg) exceeds the established TRRP action level of 440 mg/kg. The concentration of cadmium detected in soil sample TMW-4 at 2-3 feet bgs (2.92

mg/kg) slightly exceeds the established TRRP action level of 1.5 mg/kg. The concentrations of lead detected in soil sample TMW-1 at 3-4 feet bgs (735 mg/kg), soil sample B-2 at 2-3 bgs (38.7 mg/kg), and soil samples TMW-4 at 2-3 feet bgs (2140 mg/kg) and 24-25 feet bgs (20.6 mg/kg) exceed the established TRRP action level of 15 mg/kg. The concentrations of mercury detected in soil sample B-1 at 3-4 feet bgs (0.748 mg/kg), soil samples TMW-2 at 2-3 feet bgs (0.0671 mg/kg) and 4-5 feet bgs (0.0401 mg/kg), and soil samples TMW-4 at 2-3 feet bgs (0.154 mg/kg) and 24-25 feet bgs (0.0839 mg/kg) exceed the established TRRP action level of 0.04 mg/kg. The concentration of silver detected in soil sample TMW-1 at 3-4 feet bgs (0.999 mg/kg) and soil sample TMW-4 at 2-3 feet bgs (3.82 mg/kg) exceeds the established TRRP action level of 0.48 mg/kg.

4.2 Groundwater Samples

Arsenic, barium, chromium, and lead were detected in all groundwater samples at concentrations above the laboratory method reporting limits. Cadmium, mercury, selenium and silver were detected in several groundwater samples at concentrations above the laboratory method reporting limits.

In addition, acetone (MW-22); benzene (MW-19 and MW-22); sec-butylbenzene (MW-22); ethylbenzene (MW-22); naphthalene (MW-22); styrene (MW-12); methyl tert-butyl ether (MW-12, MW-19, MW-22, and MW-24); 1,2,4-trimethylbenzene (MW-22); 1,3,5-trimethylbenzene (MW-22); toluene (MW-22), and xylene (MW-22) were detected in the groundwater samples collected.

Terracon compared the concentrations of the above-referenced potential COCs detected in groundwater to the respective TRRP action levels defined in the aforementioned TRRP guidance document. The referenced guidance defines groundwater action levels as "the lowest applicable Tier 1 residential protective concentration level (PCL) for a given COC, assuming a Class 1 groundwater".

The concentrations of arsenic detected in TMW-1, MW-19, and MW-22 (0.0117 mg/l, 0.108 mg/l, and 0.0116 mg/l, respectively) slightly exceed the established TRRP action level of 0.01 milligrams per liter (mg/l). The concentrations of lead detected in TMW-1, MW-12, and MW-24 (0.051 mg/l, 0.055. mg/l and 0.306 mg/l, respectively) slightly exceed the established TRRP action level of 0.015 mg/l.

The concentration of benzene detected in MW-22 (1.1 mg/l) exceeds the established TRRP action level of 0.005 mg/l. The concentration of methyl tert-butyl ether detected in MW-22 (1.8 mg/l) exceeds the established TRRP action level of 0.73 mg/l.

All other referenced concentrations detected in the groundwater samples collected did not exceed their established TRRP action levels.

In accordance with the project-specific QAPP, Terracon conducted a data usability review to evaluate the field and laboratory analytical quality control data against the data quality indicators referenced in the QAPP (precision, accuracy, representativeness, completeness, and comparability). The purpose of the data usability review was to document that all recommendations/decisions are supported by data of appropriate quality as it relates to the project-specific Data Quality Objectives (DQOs). The field data usability review consisted of an inspection of the project field notes collected by Terracon personnel during the field sampling activities for indications of significant deviations from Terracon's standard operating procedures (included in the QAPP) or industry standard practices. In addition, analytical results of the laboratory QC samples (method blanks, laboratory control samples and duplicates) and field QC samples (matrix spikes and duplicates) were reviewed for indications of interferences or cross-contaminations which might subject the data to potential bias. The laboratory data usability review included a review of the reportable data, Laboratory Report Checklists and Exception Reports included with each final data package for documented deviations from the laboratory's standard sample receipt, handling, preparation, and/or analysis procedures (established under 30 TAC 350). In the event that the initial review identified laboratory issues, relevant supporting data was requested from the laboratory to support additional review.

Terracon concluded that the data generated during the LSI sufficiently addressed the referenced data quality indicators to meet the requirements of the project-specific DQOs, and therefore, the data is usable for the intended decision making purposes of this LSI.

5.0 FINDINGS AND RECOMMENDATIONS

Based on the results of the investigation, Terracon provides the following findings and recommendations:

- Chemicals of Concern (COCs), including VOCs, and RCRA metals, were detected in certain of the soil samples retained for laboratory analysis. Concentrations of RCRA metals, including arsenic, barium, cadmium, lead, mercury, and silver were detected at

concentrations which exceeded the established TRRP action levels. These exceedances appear to be associated with the fill material.

- Several VOCs were detected in the groundwater samples, the detected concentrations of benzene and MTBE were the only COCs to exceed their respective TRRP action levels. The benzene and MTBE exceedance are associated with existing monitor well MW-22, located within the LPST action area.

- It should be noted that in accordance with various state statutes/regulations, the owner/operator of the facility where an environmental impact was identified may have reporting requirements to the jurisdictional state regulatory agency (aka, the TCEQ) and others. It is the opinion of Terracon that interested parties should consult appropriate legal counsel for guidance in regulatory reporting requirements.

- Based on the results of the laboratory analysis, it is the opinion of Terracon that, upon receipt and review of the data generated during the LSI, the TCEQ would likely consider the site to be "affected" and may require additional corrective action to secure regulatory closure for the apparent release of the COCs (VOCs and metals) identified at the site.

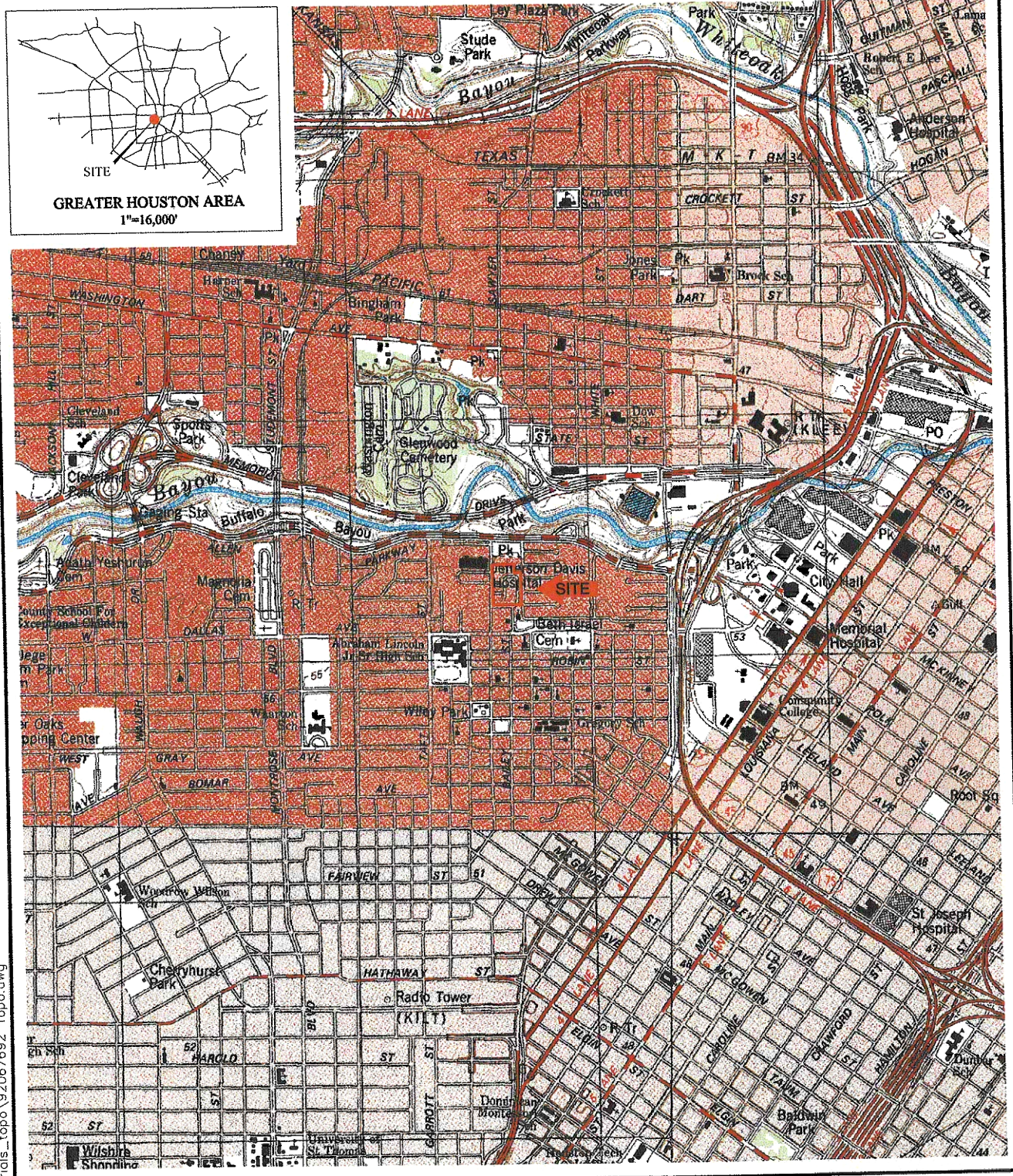
- We recommend reviewing the current status, and future planned work, associated with the LPST activities on-site with regards to the findings of this LSI to evaluate if further activity is warranted.

- If the affected soil and/or groundwater are to be disturbed during future excavations, proper procedures should be followed with respect to worker health and safety, and any affected soil or groundwater encountered should be properly handled and disposed in accordance with local and state regulations.

- The soil cuttings and purge water generated during the investigation are currently staged on-site. Terracon is arranging for disposal of this investigation derived material (IDW) in accordance with our proposal, and we will provide you documentation of its proper disposal after its disposal.

FIGURES

FIGURE 1 – SITE VICINITY MAP
FIGURE 2 – SITE PLAN



USGS TOPOGRAPHIC QUADRANGLE MAP

Houston Heights, Texas

Terracon
Consulting Engineers & Scientists

Revised: 1982

APPROXIMATE SCALE 1"= 2000'

0 1000' 2000'

N

City of Houston
801 North Gillette Street
Houston, Harris County, Texas

TERRACON PROJECT NO. 92067692

Prepared By: REW

Approved By: JDM

FIGURE 1:
SITE VICINITY MAP

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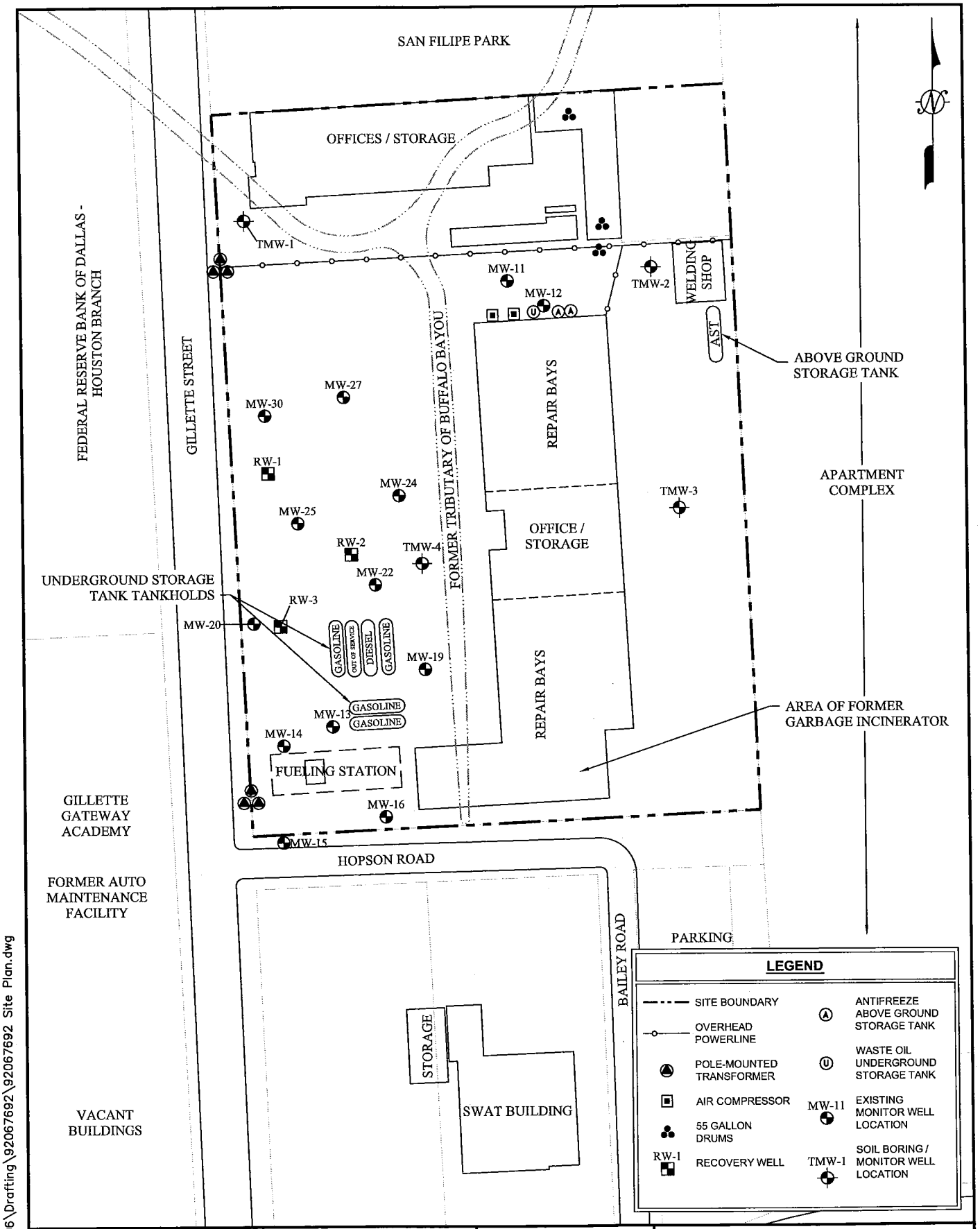

SAN FILIPE PARK
OFFICES / STORAGE
FEDERAL RESERVE BANK OF DALLAS - HOUSTON BRANCH
GILLETTE STREET
TMW-1
MW-11
MW-12
TMW-2
WELDING SHOP
AST
ABOVE GROUND STORAGE TANK
FORMER TRIBUTARY OF BUFFALO BAYOU
REPAIR BAYS
MW-27
MW-30
RW-1
MW-24
MW-25
TMW-3
APARTMENT COMPLEX
OFFICE / STORAGE
RW-2
TMW-4
MW-22
UNDERGROUND STORAGE TANK TANKHOLDS
RW-3
MW-20
GASOLINE
OUT OF SERVICE
DIESEL
GASOLINE
MW-19
REPAIR BAYS
GASOLINE
MW-13
GASOLINE
AREA OF FORMER GARBAGE INCINERATOR
MW-14
FUELING STATION
GILLETTE GATEWAY ACADEMY
MW-16
MW-15
HOPSON ROAD
FORMER AUTO MAINTENANCE FACILITY
BAILEY ROAD
PARKING
STORAGE
SWAT BUILDING
VACANT BUILDINGS
LEGEND
SITE BOUNDARY
OVERHEAD POWERLINE
POLE-MOUNTED TRANSFORMER
AIR COMPRESSOR
55 GALLON DRUMS
RW-1 RECOVERY WELL
ANTIFREEZE ABOVE GROUND STORAGE TANK
WASTE OIL UNDERGROUND STORAGE TANK
MW-11 EXISTING MONITOR WELL LOCATION
TMW-1 SOIL BORING / MONITOR WELL LOCATION
0 50' 100'
APPROXIMATE SCALE 1"= 100'
Terracon
Consulting Engineers & Scientists
TERRACON NO: 92067692
DRAWN BY: REW
CHECKED BY: PR
SCALE: AS SHOWN
DATE: 11-16-2006
Figure 2
Site Plan
City of Houston
801 North Gillette Street
Houston, Harris County, Texas
N:\ENV\dox\2006\Drafting\92067692\92067692 Site Plan.dwg

TABLES

TABLE 1 - SUMMARY OF SOIL ANALYTICAL RESULTS
TABLE 2 - SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

TABLE 1

SUMMARY OF SOIL ANALYTICAL RESULTS
City of Houston
801 N Gillette Street
Houston, Harris County, Texas

(all concentrations are in milligrams per kilogram)

Sample Number	Sample Depth (feet)	Sample Date	VOCs (EPA 8260B)											RCRA Metals (EPA 6010B/7471A)							
			Acetone	2-Butanone (Methyl ethyl ketone)	n-Butylbenzene	sec-Butylbenzene	Ethylbenzene	Methylenechloride	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Xylenes (Total)	Naphthalene	Other VOCs	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
TMW-1	3-4	09/22/06	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BSQL	5.2	403	1.47	26.5	**735**	**0.748**	0.662	**0.999**
TWM-1	9-10	09/22/06	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BSQL	1.75	73.7	0.0473 J	5.88	10.4	<0.0015	0.378 J	<0.022
TMW-2	2-3	09/22/06	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BSQL	1.55	87	0.305 J	6.26	**38.7**	**0.0671**	0.501	0.0369 J
TMW-2	4-5	09/22/06	0.048	0.0086 J	0.043	0.12	<0.00095	0.0076 J	0.0012 J	<0.00095	<0.0018	0.0042 J	BSQL	1.23	67.7	0.0618 J	4.8	7.29	**0.0401**	0.416 J	<0.023
TMW-3	4-5	09/23/06	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BSQL	1.31	21.1	<0.034	20.1	2.35	0.00261 J	0.973	<0.023
TMW-3	6-7	09/23/06	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BSQL	1.32	224	<0.036	6.07	10.5	<0.0017	0.311 J	<0.024
DUP-1	TMW-3 (6-7)	09/23/06	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BSQL	1.14	51.1	<0.036	7.2	10.9	<0.0016	0.240 J	<0.024
TMW-4	2-3	09/28/06	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BSQL	**11.9**	**1,160**	**2.92**	24.1	**2,140**	**0.154**	0.567 J	**3.82**
TMW-4	24-25	09/23/06	0.14 J	<0.0043	6.2	0.42	1.9	**0.023 J**	34	9.8	3.5	16	BSQL	1.44	50	0.0695 J	4.02	**20.6**	**0.0839**	0.435 J	<0.024
TCEQ Action Level			***43***	***29***	***120***	***85***	***7.6***	***0.013***	***49***	***53***	***120***	***31***	***Varies***	***5.9****	***440***	***1.5***	***2400***	***15****	***0.04****	***2.3***	***0.48***

VOCs	- volatile organic compounds
RCRA	- Resource Conservation and Recovery Act
TCEQ	- Texas Commission on Environmental Quality
EPA	- Environmental Protection Agency
NA	- Not analyzed for this constituent
TRRP	- Texas Risk Reduction Program
PCL	- Protective Concentration Levels
Action Level	- TRRP PCLs for a residential site with 0.5-acre source area
*	- Action Level is the Texas-Specific Background Concentration
<	- Not detected at or above the indicated analytical reporting limit
J	- Estimated value that is between the method detection limit and the sample quantitation limit (reporting limit)
BSQL	- Below Sample Quantitation Limits

TABLE 2

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
City of Houston
801 N Gillette Street
Houston, Harris County, Texas
(all concentrations are in milligrams per liter)

Sample Number	Sample Date	RCRA Metals (EPA 6010B/7471A)								VOC (EPA 8270C)											
		Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver	Acetone	Benzene	sec-Butylbenzene	Ethylbenzene	Naphthalene	Styrene	Methyl tert-butyl ether	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Toluene	Xylene	Other VOCs
TMW-1	09/27/06	**0.0117**	0.15	0.000411 J	0.0072	**0.051**	<0.000042	0.00499	<0.00020	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TMW-2	09/27/06	0.00461 J	0.117	<0.00015	0.00394	0.00369 J	<0.000042	0.00505	<0.00020	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TMW-3	09/27/06	0.00692	0.118	<0.00015	0.0046	0.00412 J	<0.000042	0.0209	<0.00020	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TWM-4	09/27/06	0.00864	0.243	<0.00015	0.00225	0.00116 J	<0.000042	<0.0017	<0.00020	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-12	09/27/06	0.00698	0.0842	<0.00015	0.00457	**0.0553**	<0.000042	0.0134	<0.00020	<0.0025	<0.00060	<0.00070	<0.00050	<0.0011	0.0085	0.0036 J	<0.00060	<0.00070	<0.00050	<0.0015	BSQL
DUP-1***	09/27/06	0.00798	0.0871	<0.00015	0.0071	**0.045**	<0.000042	0.0136	<0.00020	<0.0025	<0.00060	<0.00070	<0.00050	<0.0011	0.0056	0.0037 J	<0.00060	<0.00070	<0.00050	<0.0015	BSQL
MW-24	09/27/06	0.00875	0.181	0.00422	0.00495	**0.306**	0.000214	0.0106	0.00114 J	<0.0025	<0.00060	<0.00070	<0.00050	<0.0011	<0.00050	0.0010 J	<0.00060	<0.00070	<0.00050	<0.0015	BSQL
MW-22	09/27/06	**0.108**	0.146	<0.00015	0.00094	0.00779	<0.000042	0.00217 J	<0.00020	0.0074 J	**1.1**	0.0020 J	0.17	0.48	<0.00050	**1.8**	0.39	0.11	0.012	0.39	BSQL
MW-19	09/27/06	**0.0116**	0.0646	0.000212 J	0.00291	0.00189 J	<0.000042	0.00363 J	<0.00020	<0.0025	0.00085 J	<0.00070	<0.00050	<0.0011	<0.00050	0.0021 J	<0.00060	<0.00070	<0.00050	<0.0015	BSQL
TCEQ Action Level (1)		***0.01***	***2***	***0.005***	***0.1***	***0.015***	***0.002***	***0.05***	***0.12***	***22***	***0.005***	***2.9***	***0.7***	***0.49***	***0.1***	***0.24***	***1.2***	***1.2***	***1***	***10***	***Varies***

RCRA - Resource Conservation and Recovery Act
VOCs - volatile organic compounds
TCEQ - Texas Commission on Environmental Quality
EPA - Environmental Protection Agency
< - not detected at the indicated analytical detection limit
(1) - Tier 1 critical Protective Concentration Level for groundwater at a commerical site with a 0.5 acre source area
BSQL - Below Sample Quantitation Limits
*** - Duplicate groundwater colllected from monitor well MW-12

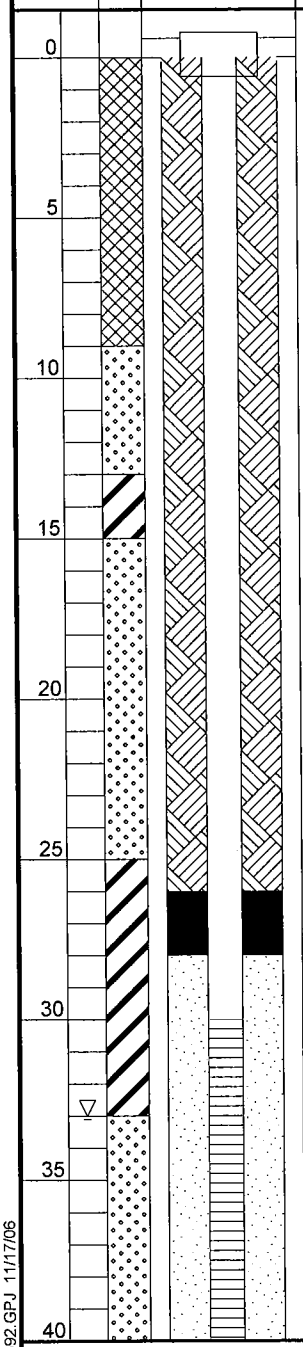
APPENDIX A

BORING LOGS

SOIL BORING / MONITOR WELL LOG

PROJECT: City Of Houston - North Gillete
PROJECT NUMBER: 92067692
CLIENT: City of Houston
BORING / WELL NUMBER: TMW-1
TOTAL DEPTH: 40.0'
SURFACE ELEVATION: Not Determined
SUPERVISOR: Josh McFarlain

DRILLING COMPANY: Alpine Field Services
DRILLER: Jamie Vasquez
DRILLING METHOD: Hollow Stem Auger (HSA)
BORE HOLE DIAMETER:
SCREEN: Diam. 2" Length 10' Slot Size 0.01"
CASING: Diam. 2" Length 30' Type PVC
DATE DRILLED: 9-22-06



DEPTH (FT)	PID	SAMPLES	SAMPLE DEPTH	DESCRIPTION INTERVAL	DESCRIPTION OF STRATUM Name (Sym.), Color, Water Content, Plasticity, Density, Gradation, Grain Size, Observations
0	0				FILL, gravel mixed with silt and glass fragments, gray to orange, dry, loose
5	0				
	0			9	
10	0				SAND, silty, light tan to dark tan, loose, no odor
	0			13	
					CLAY, red with gray mottling, stiff, plastic, no odor
15	0			15	
					SAND, silty, light tan, dry, coarse, no odor
20	0				
					- grades to light gray, dry, loose, unconsolidated, no odor
25	0			25	
					CLAY, red with gray mottling, dry, very stiff, plastic, no odor
30	0				
	0			33	
					SAND, silty, gray to tan, wet to saturated, no odor
35	0				
					SAND (fine), silty, red to dark brown, wet to saturated, no odor, **Terminated boring at 40 ft. below ground surface (bgs)**
40	0			40	

REMARKS:

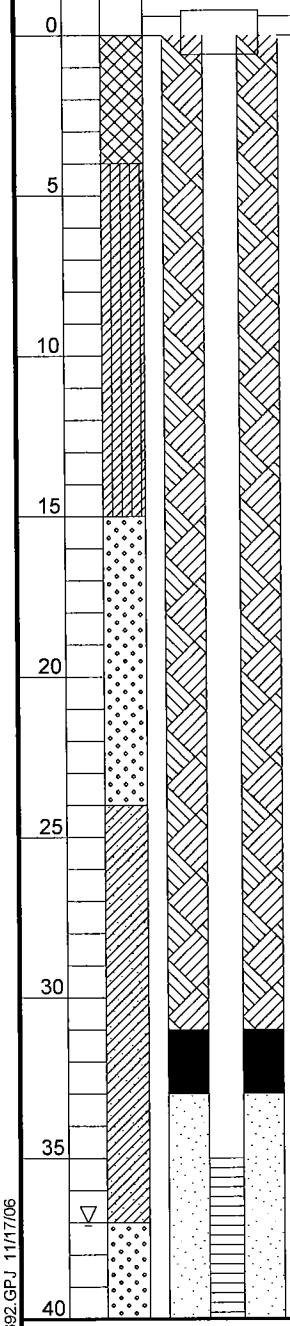
Terracon

ENVLOG1 067692.GPJ 11/17/06

SOIL BORING / MONITOR WELL LOG

PROJECT: City Of Houston - North Gillete
PROJECT NUMBER: 92067692
CLIENT: City of Houston
BORING / WELL NUMBER: TMW-2
TOTAL DEPTH: 40.0'
SURFACE ELEVATION: Not Determined
SUPERVISOR: Josh McFarlain

DRILLING COMPANY: Alpine Field Services
DRILLER: Jamie Vasquez
DRILLING METHOD: Hollow Stem Auger (HSA)
BORE HOLE DIAMETER:
SCREEN: Diam. 2" Length 5' Slot Size 0.01"
CASING: Diam. 2" Length 35' Type PVC
DATE DRILLED: 9-22-06



DEPTH (FT)	PID	SAMPLES	SAMPLE DEPTH	DESCRIPTION INTERVAL	DESCRIPTION OF STRATUM: Name (Sym.), Color, Water Content, Plasticity, Density, Gradation, Grain Size, Observations
0	0				FILL, sandy gravel, unsorted
	0				
	1.1		◀		
	108.8			4	
5	409		◀		CLAY, silty, dark gray, fine sand throughout, strong odor
	16.3				
	3.4				- sand content increasing
	1.1				
	0.8				
10	0				
	0				
	8.2				- grades to orange and light brown, dry, Fe/Mg staining throughout,
	0				
	0				
15	0			15	- grades to reddish brown
	0				SAND, reddish brown, dry, unconsolidated, loose, no odor
	0				
	0				
	0				- clay lense approximately 1' thick
20	0				
	0				
	0				
	0				- grades to orange
	0			24	
25	0				CLAY, sandy, beige, dry, plastic, clay content increasing with depth, no odor
	0				
	0				
	0				
	0				
30	0				
	0				- grades to greenish-gray, becomes moist
	0				
	0				- grades to light gray
	0				
35	0				
	0				
▽	0			37	
	0				SAND, grayish brown, wet to saturated, fine grained, no odor, **Boring terminated at 40 ft. below ground surface (bgs)**
	0				
40	0			40	

REMARKS:

Terracon

ENVLOG1 067692.GPJ 11/17/06

SOIL BORING / MONITOR WELL LOG

PROJECT: City Of Houston - North Gillete
PROJECT NUMBER: 92067692
CLIENT: City of Houston
BORING / WELL NUMBER: TMW-3
TOTAL DEPTH: 45.0'
SURFACE ELEVATION: Not Determined
SUPERVISOR: Josh McFarlain

DRILLING COMPANY: Alpine Field Services
DRILLER: Jamie Vasquez
DRILLING METHOD: Hollow Stem Auger (HSA)
BORE HOLE DIAMETER:
SCREEN: Diam. 2" Length 10' Slot Size 0.01"
CASING: Diam. 2" Length 35' Type PVC
DATE DRILLED: 9-23-06

DEPTH (FT)	SOIL SYMBOL	WELL CONSTRUCTION	PID	SAMPLES	SAMPLE DEPTH	DESCRIPTION INTERVAL	DESCRIPTION OF STRATUM Name (Sym.), Color, Water Content, Plasticity, Density, Gradation, Grain Size, Observations	DEPTH (FT)
0								0
			0			0.5	CONCRETE	
			0				FILL, sand with shell fragments, light gray, non plastic, no odor	
			0					
			0					
			0					
5			0		◀	5		5
			0				CLAY, sandy, light gray with tan mottling, dry, calcareous concretions along with Fe/Mg staining to 7 ft. below ground surface (bgs)	
			0		◀	7		
			0				CLAY, silty, dark tan with light gray mottling, damp, soft, no odor	
			0					
10			0			10		10
			0				SILT, sandy, dark tan, dense, no odor	
			0					
			0					
			0				- clay layer approximately 1' thick, red to light gray, extremely stiff and plastic	
15			0					15
			0				- calcareous concretions approximately 1" thick	
			0					
			0					
			0			18.5		
20			0				SAND, light tan, dry, dense, compact, no odor	20
			0					
			0					
			0					
			0					
25			0			25		25
			0				SILT, sandy, dry, light gray with tan mottling, dense, non plastic, no odor	
			0					
			0					
			0					
30			0			30		30
			0				CLAY, sandy, light gray with tan mottling, sand increasing with depth, low plasticity, no odor	
			0					
			0					
			0					
35			0			35	- clay lense approximately 1' thick	35
			0				CLAY, silty, light gray with red mottling, dry, crumbles to the touch, low plasticity, silt content increasing with depth	
			0					
			0					
			0					
40			0				- damp to moist	40

REMARKS:

Terracon

ENVLOG1 067692.GPJ 11/22/06

SOIL BORING / MONITOR WELL LOG

PROJECT: City Of Houston - North Gillete
PROJECT NUMBER: 92067692
CLIENT: City of Houston
BORING / WELL NUMBER: TMW-3
TOTAL DEPTH: 45.0'
SURFACE ELEVATION: Not Determined
SUPERVISOR: Josh McFarlain

DRILLING COMPANY: Alpine Field Services
DRILLER: Jamie Vasquez
DRILLING METHOD: Hollow Stem Auger (HSA)
BORE HOLE DIAMETER:
SCREEN: Diam. 2" Length 10' Slot Size 0.01"
CASING: Diam. 2" Length 35' Type PVC
DATE DRILLED: 9-23-06

DEPTH (FT)	SOIL SYMBOL	WELL CONSTRUCTION	PID	SAMPLES	SAMPLE DEPTH	DESCRIPTION INTERVAL	DESCRIPTION OF STRATUM Name (Sym.), Color, Water Content, Plasticity, Density, Gradation, Grain Size, Observations	DEPTH (FT)
40								40
			0					
			0			42		
			0				Sand, silty, reddish brown, wet to saturated, no odor	
			0					
45			0			45		45
							Terminated boring at 45 ft. below ground surface (bgs)	
50								50
55								55
60								60
65								65
70								70
75								75
80								80

REMARKS:

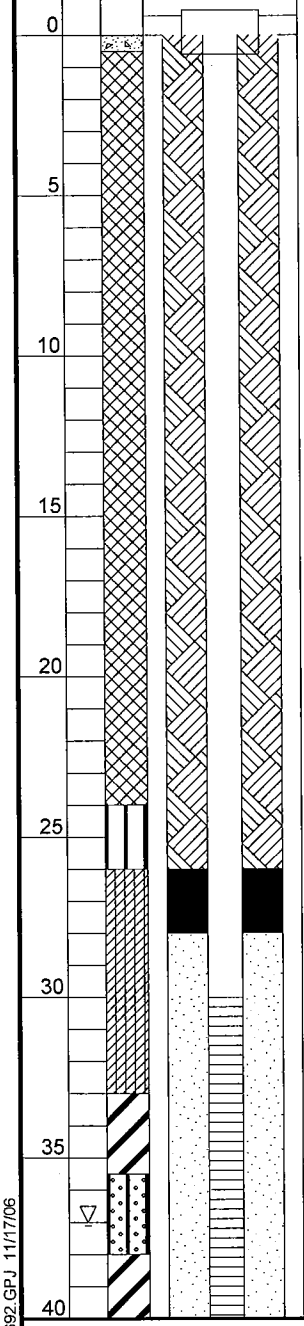
Terracon

ENVLOG1 067692.GPJ 11/22/06

SOIL BORING / MONITOR WELL LOG

PROJECT: City Of Houston - North Gillete
PROJECT NUMBER: 92067692
CLIENT: City of Houston
BORING / WELL NUMBER: TMW-4
TOTAL DEPTH: 40.0'
SURFACE ELEVATION: Not Determined
SUPERVISOR: Josh McFarlain

DRILLING COMPANY: Alpine Field Services
DRILLER: Jamie Vasquez
DRILLING METHOD: Hollow Stem Auger (HSA)
BORE HOLE DIAMETER:
SCREEN: Diam. 2" Length 10' Slot Size 0.01"
CASING: Diam. 2" Length 30' Type PVC
DATE DRILLED: 9-23-06



DEPTH (FT)	PID	SAMPLES	SAMPLE DEPTH	DESCRIPTION INTERVAL	DESCRIPTION OF STRATUM (Name (Sym.), Color, Water Content, Plasticity, Density, Gradation, Grain Size, Observations)
0					
	0			0.5	CONCRETE
	0				FILL, ash with glass fragments, dark brown to black, non plastic, no odor
	0		◄		
	0				
5	0				
	0				- grades to silty clay with glass fragments, low plasticity, no odor
	0				
	0				
	0				
10	0				
	0				
	0				
	0				
	0				
15	0				
	0				
	0				
	0				
	0				
20	0				
	0				
	0				
	0				
	0			24	
25	454		◄		SILT, dark gray, damp, non plastic, strong odor
	230.8			26	
	59.4				CLAY, silty, light gray with tan mottling, dry, plastic, strong odor
	39.5				
	73.9				
30	121.7				
	249.0				
	223.5				
	247.0			33	
	178.2				CLAY, red with gray mottling, dry, crumbles to the touch, strong odor
35	186.9				
	218.3			35.5	
	81.0				SILT, sandy, red with gray, damp, strong odor
	0.9			38	
	4.6				CLAY, red, dry, stiff, plastic, faint odor, becomes silty at 39 ft.,
40	0.3		◄	40	**Terminated boring at 40 ft. below ground surface (bgs)**

REMARKS:

Terracon

ENVLOG1 067692.GPJ 11/17/06

APPENDIX B

ANALYTICAL LABORATORY REPORTS

Soil

e-Lab Analytical, Inc.

10450 Stancliff Rd, Suite 210 Houston, Texas 77099-4338 281-530-5656 Fax 281-530-5887

October 02, 2006

Prasad Rajulu
Terracon Consulting Engineers & Scientists
11555 Clay Road
Suite 100
Houston, TX 77043

Tel: (713) 690-8989
Fax: (713) 690-8787

Re: N. Gillette

Work Order : **0609345**

Dear Prasad Rajulu,

e-Lab Analytical, Inc. received 6 samples on 9/22/2006 4:19:00 PM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by e-Lab Analytical, Inc. and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by e-Lab Analytical, Inc. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 32.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Jeffrey L Croston

Electronically approved by: Odette E. Elliston

Jeffrey L Croston
Project Manager

Certificate No: T104704231-06-TX

e-Lab Analytical, Inc. **Date:** *October 02, 2006*

CLIENT:	Terracon Consulting Engineers & Scientists	**TRRP Laboratory Data Package Cover Page**
Project:	N. Gillette	
Work Order:	0609345	

This data package consists of all or some of the following as applicable:

This signature page, the laboratory review checklist, and the following reportable data:

R1 Field chain-of-custody documentation:

R2 Sample identification cross-reference

R3 Test reports (analytical data sheets) for each environmental sample that includes:
- a) Items consistent with NELAC 5.13 or ISO/IEC 17025 Section 5.10
- b) dilution factors,
- c) preparation methods,
- d) cleanup methods, and
- e) if required for the project, tentatively identified compounds (TICs).

R4 Surrogate recovery data including:
- a) Calculated recovery (%R), and
- b) The laboratory's surrogate QC limits.

R5 Test reports/summary forms for blank samples;

R6 Test reports/summary forms for laboratory control samples (LCSs) including:
- a) LCS spiking amounts,
- b) Calculated %R for each analyte, and
- c)The laboratory's LCS QC limits.

R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
- a) Samples associated with the MS/MSD clearly identified,
- b) MS/MSD spiking amounts,
- c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
- d) Calculated %Rs and relative percent differences (RPDs), and
- e) The laboratory's MS/MSD QC limits

R8 Laboratory analytical duplicate (if applicable) recovery and precision:
- a) the amount of analyte measured in the duplicate,
- b) the calculated RPD, and
- c) the laboratory's QC limits for analytical duplicates.

R9 List of method quantitation limits (MQLs) for each analyte for each method and matrix;?

R10 Other problems or anomalies.

The Exception Report for every "No" or "Not Reviewed (NR)" item in laboratory review checklist.

Release Statement: I am responsible for the release of this laboratory data package. This data package has been reviewed by the laboratory and is complete and technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory as having the potential to affect the quality of the data, have been identified by the laboratory in the Laboratory Review Checklist, and no information or data have been knowingly withheld that would affect the quality of the data.

Check, if applicable: [NA] This laboratory is an in-house laboratory controlled by the person responding to rule. The official signing the cover page of the rule-required report (for example, the APAR) in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.

Jeffrey L Croston

Jeffrey L Croston

Project Manager

Laboratory Review Checklist: Reportable Data

Laboratory Name: e-Lab Analytical, Inc.	LRC Date: 10/02/2006
Project Name:N. Gillette	Laboratory Job Number: 0609345
Reviewer Name: Jeff Croston	Prep Batch Number(s): 19984, R42037 and R42161

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
R1	OI	**CHAIN-OF-CUSTODY (C-O-C)**					
		1) Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		2) Were all departures from standard conditions described in an exception report?	X				
R2	OI	**SAMPLE AND QUALITY CONTROL (QC) IDENTIFICATION**					
		1) Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		2) Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**TEST REPORTS**					
		1) Were all samples prepared and analyzed within holding times?	X				
		2) Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		3) Were calculations checked by a peer or supervisor?	X				
		4) Were all analyte identifications checked by a peer or supervisor?	X				
		5) Were sample quantitation limits reported for all analytes not detected?	X				
		6) Were all results for soil and sediment samples reported on a dry weight basis?	X				
		7) Was % moisture (or solids) reported for all soil and sediment samples?	X				
		8) If required for the project, TICs reported?			X		
R4	O	**SURROGATE RECOVERY DATA**					
		1) Were surrogates added prior to extraction?	X				
		2) Were surrogate percent recoveries in all samples within the laboratory QC limits?	X				
R5	OI	**TEST REPORTS/SUMMMARY FORMS FOR BLANK SAMPLES**					
		1) Were appropriate type(s) of blanks analyzed?	X				
		2) Were blanks analyzed at the appropriate frequency?	X				
		3) Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		4) Were blank concentrations < MQL?	X				
R6	OI	**LABORATORY CONTROL SAMPLES (LCS):**					
		1) Were all COCs included in the LCS?	X				
		2) Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		3) Were LCSs analyzed at the required frequency?	X				
		4) Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		5) Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SQLs?	X				
		6) Was the LCSD RPD within QC limits?	X				
R7	OI	**MATRIX SPIKE (MS) AND MATRIX SPIKE DUPLICATE (MSD) DATA**					
		1) Were the project/method specified analytes included in the MS and MSD?	X				
		2) Were MS/MSD analyzed at the appropriate frequency?	X				
		3) Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?		X			1
		4) Were MS/MSD RPDs within laboratory QC limits?		X			1
R8	OI	**ANALYTICAL DUPLICATE DATA**					
		1) Were appropriate analytical duplicates analyzed for each matrix?	X				
		2) Were analytical duplicates analyzed at the appropriate frequency?	X				
		3) Were RPDs or relative standard deviations within the laboratory QC limits?	X				
R9	OI	**METHOD QUANTITATION LIMITS (MQLS):**					
		1) Are the MQLs for each method analyte listed and included in the laboratory data package?	X				
		2) Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		3) Are unadjusted MQLs included in the laboratory data package?	X				
R10	OI	**OTHER PROBLEMS/ANOMALIES**					
		1) Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		2) Were all necessary corrective actions performed for the reported data?	X				
		3) If requested, is the justification for elevated SQLs documented?	X				

1 Items identified by the letter "R" should be included in the laboratory data package submitted in o the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3 NA = Not applicable;
4 NR = Not Reviewed;
5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Supporting Data

Laboratory Name: e-Lab Analytical, Inc.	LRC Date: 10/02/2006
Project Name:N. Gillette	Laboratory Job Number: 0609345
Reviewer Name: Jeff Croston	Prep Batch Number(s): 19984, R42037 and R42161

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**INITIAL CALIBRATION (ICAL)**					
		1) Were response factors (RFs) and/or relative response factors (RRFs) for each analyte within the QC limits?	X				
		2) Were percent RSDs or correlation coefficient criteria met?	X				
		3) Was the number of standards recommended in the method used for all analytes?	X				
		4) Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		5) Are ICAL data available for all instruments used?	X				
		6) Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**INITIAL AND CONTINUING CALIBRATION VERIFICATION (ICCV AND CCV) AND**					
		1) Was the CCV analyzed at the method-required frequency?	X				
		2) Were percent differences for each analyte within the method-required QC limits?	X				
		3) Was the ICAL curve verified for each analyte?	X				
		4) Was the absolute value of the analyte concentration in the inorganic CCB < MDL?			X		
S3	O	**MASS SPECTRAL TUNING:**					
		1) Was the appropriate compound for the method used for tuning?	X				
		2) Were ion abundance data within the method-required QC limits?	X				
S4	O	**INTERNAL STANDARDS (IS):**					
		Were IS area counts and retention times within the method-required QC limits?	X				
S5	OI	**RAW DATA (NELAC SECTION 1 APPENDIX A GLOSSARY, AND SECTION 5.12 OR**					
		1) Were the raw data (e.g., chromatograms, spectral data) reviewed by an analyst?	X				
		2) Were data associated with manual integrations flagged on the raw data?	X				
S6	O	**DUAL COLUMN CONFIRMATION**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**TENTATIVELY IDENTIFIED COMPOUNDS (TICS):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**INTERFERENCE CHECK SAMPLE (ICS) RESULTS:**					
		Were percent recoveries within method QC limits?	X				
S9	I	**SERIAL DILUTIONS, POST DIGESTION SPIKES, AND METHOD OF STANDARD**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?	X				
S10	OI	**PROFICIENCY TEST REPORTS:**					
		Are proficiency testing or inter-laboratory comparison results on file?	X				
S11	OI	**METHOD DETECTION LIMIT (MDL) STUDIES**					
		1) Was a MDL study performed for each reported analyte?	X				
		2) Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S12	OI	**STANDARDS DOCUMENTATION**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**COMPOUND/ANALYTE IDENTIFICATION PROCEDURES**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**DEMONSTRATION OF ANALYST COMPETENCY (DOC)**					
		1) Was DOC conducted consistent with NELAC 5C or ISO/IEC 4.2.2?	X				
		2) Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**VERIFICATION/VALIDATION DOCUMENTATION FOR METHODS**					
		Are all the methods used to generate the data documented, verified, and validated, where applicable, (NELAC 5.10.2 or ISO/IEC 17025 Section 5.4.5)?	X				
S16	OI	**LABORATORY STANDARD OPERATING PROCEDURES (SOPS):**					
		Are laboratory SOPs current and on file for each method performed?	X				

1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
3 NA = Not applicable.
4 NR = Not Reviewed.
5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Exception Report	
Laboratory Name: e-Lab Analytical, Inc.	LRC Date: 10/02/2006
Project Name:N. Gillette	Laboratory Job Number: 0609345
Reviewer Name: Jeff Croston	Prep Batch Number(s): 19984, R42037 and R42161

ER #[1]	DESCRIPTION
1	Batch 19984 Metals MS/MSD was an unrelated sample.
	Batch R42161 Volatiles MS/MSD and RPD were unrelated sample.

1 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

e-Lab Analytical, Inc.

Date: *October 02, 2006*

CLIENT: Terracon Consulting Engineers & Scientists
Project: N. Gillette
Work Order: **0609345**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
0609345-01	TMW-1 (3-4)	Soil		9/22/2006 09:50	9/22/2006 16:19	☐
0609345-02	TMW-1 (9-10)	Soil		9/22/2006 09:50	9/22/2006 16:19	☐
0609345-03	TMW-2 (4-5)	Soil		9/22/2006 12:00	9/22/2006 16:19	☐
0609345-04	TMW-2 (2-3)	Soil		9/22/2006 12:00	9/22/2006 16:19	☐
0609345-05	TMW-2 (12-13)	Soil		9/22/2006 12:00	9/22/2006 16:19	☑
0609345-06	Trip Blank	Trip Blank		9/22/2006	9/22/2006 16:19	☑

e-Lab Analytical, Inc.

Date: *October 02, 2006*

CLIENT: Terracon Consulting Engineers & Scientists
Client Sample ID: TMW-1 (3-4)
Work Order: 0609345
Collection Date: 9/22/2006 9:50:00 AM
Project: N. Gillette
Lab ID: 0609345-01
Matrix: SOIL

Analyses	Result	Qual	SQL	MQL	Units	Dilution Factor	Date Analyzed
MERCURY, TOTAL		Method: **SW7471A**			Prep: SW7471A / 9/26/06		Analyst: **JCJ**
Mercury	**748**		**3.2**	**30.2**	**µg/Kg-dry**	2	9/26/2006
ICP METALS		Method: **SW6020**			Prep: SW3050A / 9/25/06		Analyst: **ALR**
Arsenic	**5.20**		**0.14**	**0.526**	**mg/Kg-dry**	1	9/26/2006
Barium	**403**		**7.4**	**52.6**	**mg/Kg-dry**	100	9/27/2006
Cadmium	**1.47**		**0.032**	**0.526**	**mg/Kg-dry**	1	9/26/2006
Chromium	**26.5**		**0.074**	**0.526**	**mg/Kg-dry**	1	9/26/2006
Lead	**735**		**9.5**	**52.6**	**mg/Kg-dry**	100	9/27/2006
Selenium	**0.662**		**0.20**	**0.526**	**mg/Kg-dry**	1	9/26/2006
Silver	**0.999**		**0.021**	**0.526**	**mg/Kg-dry**	1	9/26/2006
PERCENT MOISTURE		Method: **E160.3**					Analyst: **VLB**
Percent Moisture	**12.0**		**0.010**	**0.0100**	**wt%**	1	9/25/2006

Qualifiers:

U - Analyzed for but Not Detected
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
P - Dual Column results RPD > 40%
E - Value above quantitation range
H - Analyzed outside of Hold Time

e-Lab Analytical, Inc.

Date: *October 02, 2006*

CLIENT: Terracon Consulting Engineers & Scientists
Work Order: 0609345
Project: N. Gillette
Lab ID: 0609345-02

Client Sample ID: TMW-1 (9-10)
Collection Date: 9/22/2006 9:50:00 AM
Matrix: SOIL

Analyses	Result	Qual	SQL	MQL	Units	Dilution Factor	Date Analyzed
MERCURY, TOTAL			Method: **SW7471A**		Prep: SW7471A / 9/26/06		Analyst: **JCJ**
Mercury	U		1.5	14.4	µg/Kg-dry	1	9/26/2006
ICP METALS			Method: **SW6020**		Prep: SW3050A / 9/25/06		Analyst: **ALR**
Arsenic	**1.75**		**0.14**	**0.538**	**mg/Kg-dry**	1	9/26/2006
Barium	**73.7**		**0.075**	**0.538**	**mg/Kg-dry**	1	9/26/2006
Cadmium	**0.0473**	J	**0.032**	**0.538**	**mg/Kg-dry**	1	9/26/2006
Chromium	**5.88**		**0.075**	**0.538**	**mg/Kg-dry**	1	9/26/2006
Lead	**10.4**		**0.097**	**0.538**	**mg/Kg-dry**	1	9/26/2006
Selenium	**0.378**	J	**0.20**	**0.538**	**mg/Kg-dry**	1	9/26/2006
Silver	U		0.022	0.538	mg/Kg-dry	1	9/26/2006
PERCENT MOISTURE			Method: **E160.3**				Analyst: **VLB**
Percent Moisture	**10.6**		**0.010**	**0.0100**	**wt%**	1	9/25/2006

Qualifiers:

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S - Spike Recovery outside accepted recovery limits
P - Dual Column results RPD > 40%
E - Value above quantitation range
H - Analyzed outside of Hold Time

e-Lab Analytical, Inc.

Date: *October 02, 2006*

CLIENT: Terracon Consulting Engineers & Scientists
Work Order: 0609345
Project: N. Gillette
Lab ID: 0609345-03

Client Sample ID: TMW-2 (4-5)
Collection Date: 9/22/2006 12:00:00 PM
Matrix: SOIL

Analyses	Result	Qual	SQL	MQL	Units	Dilution Factor	Date Analyzed
MERCURY, TOTAL			Method: **SW7471A**		Prep: SW7471A / 9/26/06		Analyst: **JCJ**
Mercury	**40.1**		**1.6**	**15.2**	**µg/Kg-dry**	1	9/26/2006
ICP METALS			Method: **SW6020**		Prep: SW3050A / 9/25/06		Analyst: **ALR**
Arsenic	**1.23**		**0.15**	**0.572**	**mg/Kg-dry**	1	9/26/2006
Barium	**67.7**		**0.080**	**0.572**	**mg/Kg-dry**	1	9/26/2006
Cadmium	**0.0618**	J	**0.034**	**0.572**	**mg/Kg-dry**	1	9/26/2006
Chromium	**4.80**		**0.080**	**0.572**	**mg/Kg-dry**	1	9/26/2006
Lead	**7.29**		**0.10**	**0.572**	**mg/Kg-dry**	1	9/26/2006
Selenium	**0.416**	J	**0.22**	**0.572**	**mg/Kg-dry**	1	9/26/2006
Silver	U		0.023	0.572	mg/Kg-dry	1	9/26/2006
VOLATILES BY GC/MS			Method: **SW8260**				Analyst: **RKG**
1,1,1-Trichloroethane	U		0.00083	0.0060	mg/Kg-dry	1	9/27/2006
1,1,2,2-Tetrachloroethane	U		0.00060	0.0060	mg/Kg-dry	1	9/27/2006
1,1,2-Trichloroethane	U		0.00060	0.0060	mg/Kg-dry	1	9/27/2006
1,1-Dichloroethane	U		0.00095	0.0060	mg/Kg-dry	1	9/27/2006
1,1-Dichloroethene	U		0.0012	0.0060	mg/Kg-dry	1	9/27/2006
√ **1,2,4-Trimethylbenzene**	**0.0012**	J	**0.00083**	**0.0060**	**mg/Kg-dry**	1	9/27/2006
1,2-Dichloroethane	U		0.00071	0.0060	mg/Kg-dry	1	9/27/2006
1,2-Dichloropropane	U		0.00071	0.0060	mg/Kg-dry	1	9/27/2006
1,3,5-Trimethylbenzene	U		0.00095	0.0060	mg/Kg-dry	1	9/27/2006
√ **2-Butanone**	**0.0086**	J	**0.00083**	**0.012**	**mg/Kg-dry**	1	9/27/2006
2-Hexanone	U		0.0012	0.012	mg/Kg-dry	1	9/27/2006
4-Methyl-2-pentanone	U		0.0012	0.012	mg/Kg-dry	1	9/27/2006
√ **Acetone**	**0.048**		**0.0024**	**0.030**	**mg/Kg-dry**	1	9/27/2006
Benzene	U		0.00071	0.0060	mg/Kg-dry	1	9/27/2006
Bromodichloromethane	U		0.00095	0.0060	mg/Kg-dry	1	9/27/2006
Bromoform	U		0.00060	0.0060	mg/Kg-dry	1	9/27/2006
Bromomethane	U		0.0012	0.012	mg/Kg-dry	1	9/27/2006
Carbon disulfide	U		0.0014	0.012	mg/Kg-dry	1	9/27/2006
Carbon tetrachloride	U		0.0012	0.0060	mg/Kg-dry	1	9/27/2006
Chlorobenzene	U		0.00083	0.0060	mg/Kg-dry	1	9/27/2006
Chloroethane	U		0.0019	0.012	mg/Kg-dry	1	9/27/2006
Chloroform	U		0.0011	0.0060	mg/Kg-dry	1	9/27/2006
Chloromethane	U		0.0013	0.012	mg/Kg-dry	1	9/27/2006
cis-1,2-Dichloroethene	U		0.00095	0.0060	mg/Kg-dry	1	9/27/2006
cis-1,3-Dichloropropene	U		0.00071	0.0060	mg/Kg-dry	1	9/27/2006
Dibromochloromethane	U		0.00071	0.0060	mg/Kg-dry	1	9/27/2006
Ethylbenzene	U		0.00095	0.0060	mg/Kg-dry	1	9/27/2006
m,p-Xylene	U		0.0012	0.012	mg/Kg-dry	1	9/27/2006

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S - Spike Recovery outside accepted recovery limits
P - Dual Column results RPD > 40%
E - Value above quantitation range
H - Analyzed outside of Hold Time

e-Lab Analytical, Inc.

Date: *October 02, 2006*

CLIENT: Terracon Consulting Engineers & Scientists
Work Order: 0609345
Project: N. Gillette
Lab ID: 0609345-03

Client Sample ID: TMW-2 (4-5)
Collection Date: 9/22/2006 12:00:00 PM
Matrix: SOIL

Analyses	Result	Qual	SQL	MQL	Units	Dilution Factor	Date Analyzed
Methyl tert-butyl ether	U		0.00095	0.0060	mg/Kg-dry	1	9/27/2006
Methylene chloride	**0.0076**	J	**0.0036**	**0.012**	**mg/Kg-dry**	1	9/27/2006
n-Butylbenzene	**0.043**		**0.00095**	**0.0060**	**mg/Kg-dry**	1	9/27/2006
Naphthalene	**0.0042**	J	**0.00071**	**0.0060**	**mg/Kg-dry**	1	9/27/2006
o-Xylene	U		0.00060	0.0060	mg/Kg-dry	1	9/27/2006
sec-Butylbenzene	**0.12**		**0.00083**	**0.0060**	**mg/Kg-dry**	1	9/27/2006
Styrene	U		0.00083	0.0060	mg/Kg-dry	1	9/27/2006
Tetrachloroethene	U		0.00071	0.0060	mg/Kg-dry	1	9/27/2006
Toluene	U		0.00071	0.0060	mg/Kg-dry	1	9/27/2006
trans-1,2-Dichloroethene	U		0.0012	0.0060	mg/Kg-dry	1	9/27/2006
trans-1,3-Dichloropropene	U		0.00071	0.0060	mg/Kg-dry	1	9/27/2006
Trichloroethene	U		0.00071	0.0060	mg/Kg-dry	1	9/27/2006
Vinyl chloride	U		0.00071	0.0024	mg/Kg-dry	1	9/27/2006
Xylenes, Total	U		0.0018	0.018	mg/Kg-dry	1	9/27/2006
Surr: 1,2-Dichloroethane-d4	*101*			*70-128*	*%REC*	1	9/27/2006
Surr: 4-Bromofluorobenzene	*104*			*73-126*	*%REC*	1	9/27/2006
Surr: Dibromofluoromethane	*91.0*			*71-128*	*%REC*	1	9/27/2006
Surr: Toluene-d8	*91.1*			*73-127*	*%REC*	1	9/27/2006
PERCENT MOISTURE			Method: **E160.3**				Analyst: **VLB**
Percent Moisture	**16.0**		**0.010**	**0.0100**	**wt%**	1	9/25/2006

Qualifiers:

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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
P - Dual Column results RPD > 40%
E - Value above quantitation range
H - Analyzed outside of Hold Time

e-Lab Analytical, Inc.

Date: *October 02, 2006*

CLIENT: Terracon Consulting Engineers & Scientists
Client Sample ID: TMW-2 (2-3)
Work Order: 0609345
Collection Date: 9/22/2006 12:00:00 PM
Project: N. Gillette
Lab ID: 0609345-04
Matrix: SOIL

Analyses	Result	Qual	SQL	MQL	Units	Dilution Factor	Date Analyzed
MERCURY, TOTAL		Method: **SW7471A**			Prep: SW7471A / 9/26/06		Analyst: **JCJ**
Mercury	67.1		1.5	14.6	µg/Kg-dry	1	9/26/2006
ICP METALS		Method: **SW6020**			Prep: SW3050A / 9/25/06		Analyst: **ALR**
Arsenic	1.55		0.13	0.498	mg/Kg-dry	1	9/26/2006
Barium	87.0		0.070	0.498	mg/Kg-dry	1	9/26/2006
Cadmium	0.305	J	0.030	0.498	mg/Kg-dry	1	9/26/2006
Chromium	6.26		0.070	0.498	mg/Kg-dry	1	9/26/2006
Lead	38.7		0.090	0.498	mg/Kg-dry	1	9/26/2006
Selenium	0.501		0.19	0.498	mg/Kg-dry	1	9/26/2006
Silver	0.0369	J	0.020	0.498	mg/Kg-dry	1	9/26/2006
PERCENT MOISTURE		Method: **E160.3**					Analyst: **VLB**
Percent Moisture	11.9		0.010	0.0100	wt%	1	9/25/2006

Qualifiers:

U - Analyzed for but Not Detected
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
P - Dual Column results RPD > 40%
E - Value above quantitation range
H - Analyzed outside of Hold Time

e-Lab Analytical, Inc. **Date:** Oct 02, 2006

Test Code: 8260_S
Test Number: SW8260
Test Name: Volatiles by GC/MS
Matrix: Solid **Units:** mg/Kg

METHOD DETECTION / REPORTING LIMITS

Type	Analyte	CAS	MDL	Unadjusted MQL
A	1,1,1-Trichloroethane	71-55-6	0.0007	0.005
A	1,1,2,2-Tetrachloroethane	79-34-5	0.0005	0.005
A	1,1,2-Trichloroethane	79-00-5	0.0005	0.005
A	1,1-Dichloroethane	75-34-3	0.0008	0.005
A	1,1-Dichloroethene	75-35-4	0.001	0.005
A	1,2,4-Trimethylbenzene	95-63-6	0.0007	0.005
A	1,2-Dichloroethane	107-06-2	0.0006	0.005
A	1,2-Dichloropropane	78-87-5	0.0006	0.005
A	1,3,5-Trimethylbenzene	108-67-8	0.0008	0.005
A	2-Butanone	78-93-3	0.0007	0.01
A	2-Hexanone	591-78-6	0.001	0.01
A	4-Methyl-2-pentanone	108-10-1	0.001	0.01
A	Acetone	67-64-1	0.002	0.025
A	Benzene	71-43-2	0.0006	0.005
A	Bromodichloromethane	75-27-4	0.0008	0.005
A	Bromoform	75-25-2	0.0005	0.005
A	Bromomethane	74-83-9	0.001	0.01
A	Carbon disulfide	75-15-0	0.0012	0.01
A	Carbon tetrachloride	56-23-5	0.001	0.005
A	Chlorobenzene	108-90-7	0.0007	0.005
A	Chloroethane	75-00-3	0.0016	0.01
A	Chloroform	67-66-3	0.0009	0.005
A	Chloromethane	74-87-3	0.0011	0.01
A	cis-1,2-Dichloroethene	156-59-2	0.0008	0.005
A	cis-1,3-Dichloropropene	10061-01-5	0.0006	0.005
A	Dibromochloromethane	124-48-1	0.0006	0.005
A	Ethylbenzene	100-41-4	0.0008	0.005
A	m,p-Xylene	136777-61-2	0.001	0.01
A	Methyl tert-butyl ether	1634-04-4	0.0008	0.005
A	Methylene chloride	75-09-2	0.003	0.01
A	n-Butylbenzene	104-51-8	0.0008	0.005
A	Naphthalene	91-20-3	0.0006	0.005
A	o-Xylene	95-47-6	0.0005	0.005
A	sec-Butylbenzene	135-98-8	0.0007	0.005
A	Styrene	100-42-5	0.0007	0.005
A	Tetrachloroethene	127-18-4	0.0006	0.005
A	Toluene	108-88-3	0.0006	0.005
A	trans-1,2-Dichloroethene	156-60-5	0.001	0.005
A	trans-1,3-Dichloropropene	10061-02-6	0.0006	0.005
A	Trichloroethene	79-01-6	0.0006	0.005
A	Vinyl chloride	75-01-4	0.0006	0.002

M	Xylenes, Total	1330-20-7	0.0015	0.015
S	Surr: 1,2-Dichloroethane-d4	17060-07-0	0	0
S	Surr: 4-Bromofluorobenzene	460-00-4	0	0
S	Surr: Dibromofluoromethane	1868-53-7	0	0
S	Surr: Toluene-d8	2037-26-5	0	0

e-Lab Analytical, Inc.

Date: Oct 02, 2006

METHOD DETECTION / REPORTING LIMITS

Test Code: HG_S
Test Number: SW7471A
Test Name: Mercury, Total
Matrix: Solid **Units:** µg/Kg

Type	Analyte	CAS	MDL	Unadjusted MQL
A	Mercury	7439-97-6	1.4	13.3

e-Lab Analytical, Inc.

Date: Oct 02, 2006

METHOD DETECTION / REPORTING LIMITS

Test Code: ICP_S_Low
Test Number: SW6020
Test Name: ICP Metals
Matrix: Solid **Units:** mg/Kg

Type	Analyte	CAS	MDL	Unadjusted MQL
A	Arsenic	7440-38-2	0.13	0.5
A	Barium	7440-39-3	0.07	0.5
A	Cadmium	7440-43-9	0.03	0.5
A	Chromium	7440-47-3	0.07	0.5
A	Lead	7439-92-1	0.09	0.5
A	Selenium	7782-49-2	0.19	0.5
A	Silver	7440-22-4	0.02	0.5

e-Lab Analytical, Inc.

Date: Oct 02, 2006

METHOD DETECTION / REPORTING LIMITS

Test Code: MOISTURE
Test Number: E160.3
Test Name: Percent Moisture
Matrix: Soil **Units:** wt%

Type	Analyte	CAS	MDL	Unadjusted MQL
A	Percent Moisture	MOIST	0.01	0.01

e-Lab Analytical, Inc.

CLIENT: Terracon Consulting Engineers & Scientists
Work Order: 0609345
Project: N. Gillette

Date: *Oct 02 2006*

QC BATCH REPORT

Batch ID: **19984** Instrument ID **ICPMS02** Method: **SW6020**

MBLK Sample ID: **MBLKS3-092506** Units: **mg/Kg** Analysis Date: **09/26/06 19:14**

Client ID: Run ID: **ICPMS02_060926B** SeqNo: **957983** Prep Date: **9/25/2006** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.50								
Barium	0.07879	0.50								J
Cadmium	0.03593	0.50								J
Chromium	U	0.50								
Lead	U	0.50								
Selenium	U	0.50								
Silver	0.02075	0.50								J

LCS Sample ID: **MLCSS3-092506** Units: **mg/Kg** Analysis Date: **09/26/06 19:20**

Client ID: Run ID: **ICPMS02_060926B** SeqNo: **957984** Prep Date: **9/25/2006** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	9.088	0.50	10	0	90.9	80-120	0			
Barium	9.354	0.50	10	0	93.5	80-120	0			
Cadmium	9.331	0.50	10	0	93.3	80-120	0			
Chromium	9.56	0.50	10	0	95.6	80-120	0			
Lead	9.67	0.50	10	0	96.7	80-120	0			
Selenium	9.487	0.50	10	0	94.9	80-120	0			
Silver	8.857	0.50	10	0	88.6	80-120	0			

MS Sample ID: **0609349-17AMS** Units: **mg/Kg** Analysis Date: **09/26/06 22:24**

Client ID: Run ID: **ICPMS02_060926B** SeqNo: **958022** Prep Date: **9/25/2006** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	14.16	0.49	9.804	7.325	69.7	75-125	0			S
Barium	254.3	0.49	9.804	240.3	143	75-125	0			SEO
Cadmium	12.41	0.49	9.804	4.966	76	75-125	0			
Chromium	49.39	0.49	9.804	42.39	71.4	75-125	0			SO
Lead	460	0.49	9.804	454.3	58	75-125	0			SEO
Selenium	7.035	0.49	9.804	0.8777	62.8	75-125	0			S
Silver	7.82	0.49	9.804	0.9168	70.4	75-125	0			S

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: Terracon Consulting Engineers & Scientists
Work Order: 0609345
Project: N. Gillette

QC BATCH REPORT

Batch ID: **19984** Instrument ID **ICPMS02** Method: **SW6020**

MSD Sample ID: **0609349-17AMSD** Units: **mg/Kg** Analysis Date: **09/26/06 22:29**

Client ID: Run ID: **ICPMS02_060926B** SeqNo: **958023** Prep Date: **9/25/2006** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	14.62	0.49	9.804	7.325	74.4	75-125	14.16	3.2	25	S
Barium	259.7	0.49	9.804	240.3	198	75-125	254.3	2.1	25	SEO
Cadmium	12.54	0.49	9.804	4.966	77.2	75-125	12.41	1.02	25	
Chromium	49.49	0.49	9.804	42.39	72.4	75-125	49.39	0.198	25	SO
Lead	465.8	0.49	9.804	454.3	117	75-125	460	1.25	25	EO
Selenium	7.04	0.49	9.804	0.8777	62.9	75-125	7.035	0.0697	25	S
Silver	8.117	0.49	9.804	0.9168	73.4	75-125	7.82	3.73	25	S

DUP Sample ID: **0609349-17ADUP** Units: **mg/Kg** Analysis Date: **09/26/06 22:12**

Client ID: Run ID: **ICPMS02_060926B** SeqNo: **958019** Prep Date: **9/25/2006** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	7.006	0.49	0	0	0	0-0	7.325	4.45	25	
Cadmium	4.749	0.49	0	0	0	0-0	4.966	4.46	25	
Chromium	40.72	0.49	0	0	0	0-0	42.39	4.03	25	
Selenium	0.849	0.49	0	0	0	0-0	0.8777	3.33	25	
Silver	0.7686	0.49	0	0	0	0-0	0.9168	17.6	25	

DUP Sample ID: **0609349-17ADUP** Units: **mg/Kg** Analysis Date: **09/27/06 16:55**

Client ID: Run ID: **ICPMS02_060927A** SeqNo: **958757** Prep Date: **9/25/2006** DF: **100**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Lead	646.6	49	0	0	0	0-0	588.4	9.41	25	

PDS Sample ID: **0609349-17ABS** Units: **mg/Kg** Analysis Date: **09/26/06 22:35**

Client ID: Run ID: **ICPMS02_060926B** SeqNo: **958024** Prep Date: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	16.34	0.49	9.804	7.325	92	75-125	0			
Cadmium	14.08	0.49	9.804	4.966	92.9	75-125	0			
Chromium	52.24	0.49	9.804	42.39	100	75-125	0			O
Selenium	10.41	0.49	9.804	0.8777	97.2	75-125	0			
Silver	8.365	0.49	9.804	0.9168	76	75-125	0			

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E - Value above quantitation range

CLIENT: Terracon Consulting Engineers & Scientists
Work Order: 0609345
Project: N. Gillette

QC BATCH REPORT

Batch ID: **19984** Instrument ID **ICPMS02** Method: **SW6020**

PDS Sample ID: **0609349-17ABS** Units: **mg/Kg** Analysis Date: **09/27/06 17:07**

Client ID: Run ID: **ICPMS02_060927A** SeqNo: **958759** Prep Date: DF: **100**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Lead	1594	49	980.4	588.4	103	75-125		0		

SD Sample ID: **0609349-17A DIL** Units: **mg/Kg** Analysis Date: **09/26/06 22:18**

Client ID: Run ID: **ICPMS02_060926B** SeqNo: **958020** Prep Date: DF: **5**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	7.324	2.4	0	0	0	0-0	7.325	0.0136	10	
Cadmium	5.221	2.4	0	0	0	0-0	4.966	5.13	10	
Chromium	44.94	2.4	0	0	0	0-0	42.39	6.01	10	
Selenium	0.9588	2.4	0	0	0	0-0	0.8777	0	10	J
Silver	0.8637	2.4	0	0	0	0-0	0.9168	0	10	J

SD Sample ID: **0609349-17A DIL** Units: **mg/Kg** Analysis Date: **09/27/06 17:01**

Client ID: Run ID: **ICPMS02_060927A** SeqNo: **958758** Prep Date: DF: **500**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Lead	541.2	240	0	0	0	0-0	588.4	8.03	10	

The following samples were analyzed in this batch: 0609345-01A 0609345-02A 0609345-03B 0609345-04A

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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E - Value above quantitation range

CLIENT: Terracon Consulting Engineers & Scientists
Work Order: 0609345
Project: N. Gillette

QC BATCH REPORT

Batch ID: **19990** Instrument ID **Mercury** Method: **SW7471A**

MBLK Sample ID: **GBLKS2-092606** Units: **µg/Kg** Analysis Date: **09/26/06 18:56**
Client ID: Run ID: **MERCURY_060926D** SeqNo: **957898** Prep Date: **9/26/2006** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	13								

LCS Sample ID: **GLCSS2-092606** Units: **µg/Kg** Analysis Date: **09/26/06 18:58**
Client ID: Run ID: **MERCURY_060926D** SeqNo: **957899** Prep Date: **9/26/2006** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	361.3	13	333.3	0	108	85-115		0		

LCSD Sample ID: **GLCSDS2-092606** Units: **µg/Kg** Analysis Date: **09/26/06 19:00**
Client ID: Run ID: **MERCURY_060926D** SeqNo: **957900** Prep Date: **9/26/2006** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	361.3	13	333.3	0	108	85-115	361.3	0	20	

MS Sample ID: **0609272-05AMS** Units: **µg/Kg** Analysis Date: **09/26/06 19:08**
Client ID: Run ID: **MERCURY_060926D** SeqNo: **957903** Prep Date: **9/26/2006** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	363.1	13	323.6	24.96	104	85-115		0		

MSD Sample ID: **0609272-05AMSD** Units: **µg/Kg** Analysis Date: **09/26/06 19:10**
Client ID: Run ID: **MERCURY_060926D** SeqNo: **957904** Prep Date: **9/26/2006** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	362.4	13	324.1	24.96	104	85-115	363.1	0.195	20	

DUP Sample ID: **0609272-05ADUP** Units: **µg/Kg** Analysis Date: **09/26/06 19:06**
Client ID: Run ID: **MERCURY_060926D** SeqNo: **957902** Prep Date: **9/26/2006** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	25.67	13	0	0	0		24.96	2.8	20	

The following samples were analyzed in this batch:

0609345-01A	0609345-02A	0609345-03B
0609345-04A		

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: Terracon Consulting Engineers & Scientists
Work Order: 0609345
Project: N. Gillette

QC BATCH REPORT

Batch ID: **R42161** Instrument ID **VOA4** Method: **SW8260**

MBLK Sample ID: **VBLKS-092706** Units: **µg/Kg** Analysis Date: **09/27/06 18:55**

Client ID: Run ID: **VOA4_060927A** SeqNo: **959485** Prep Date: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	U	5.0								
1,1,2,2-Tetrachloroethane	U	5.0								
1,1,2-Trichloroethane	U	5.0								
1,1-Dichloroethane	U	5.0								
1,1-Dichloroethene	U	5.0								
1,2,4-Trimethylbenzene	U	5.0								
1,2-Dichloroethane	U	5.0								
1,2-Dichloropropane	U	5.0								
1,3,5-Trimethylbenzene	U	5.0								
2-Butanone	U	10								
2-Hexanone	U	10								
4-Methyl-2-pentanone	U	10								
Acetone	U	20								
Benzene	U	5.0								
Bromodichloromethane	U	5.0								
Bromoform	U	5.0								
Bromomethane	U	10								
Carbon disulfide	U	10								
Carbon tetrachloride	U	5.0								
Chlorobenzene	U	5.0								
Chloroethane	U	10								
Chloroform	U	5.0								
Chloromethane	U	10								
cis-1,2-Dichloroethene	U	5.0								
cis-1,3-Dichloropropene	U	5.0								
Dibromochloromethane	U	5.0								
Ethylbenzene	U	5.0								
m,p-Xylene	U	10								
Methyl tert-butyl ether	U	5.0								
Methylene chloride	U	10								
n-Butylbenzene	U	5.0								
Naphthalene	U	5.0								
o-Xylene	U	5.0								
sec-Butylbenzene	U	5.0								
Styrene	U	5.0								
Tetrachloroethene	U	5.0								
Toluene	0.761	5.0								J
trans-1,2-Dichloroethene	U	5.0								
trans-1,3-Dichloropropene	U	5.0								
Trichloroethene	U	5.0								

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R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: Terracon Consulting Engineers & Scientists
Work Order: 0609345
Project: N. Gillette

QC BATCH REPORT

Batch ID: **R42161** Instrument ID **VOA4** Method: **SW8260**

Vinyl chloride	U	2.0					
Xylenes, Total	U	15					
Surr: 1,2-Dichloroethane-d4	*49.78*	0	*50*	0	*99.6*	*70-128*	0
Surr: 4-Bromofluorobenzene	*43.27*	0	*50*	0	*86.5*	*73-126*	0
Surr: Dibromofluoromethane	*45.09*	0	*50*	0	*90.2*	*71-128*	0
Surr: Toluene-d8	*44.98*	0	*50*	0	*90*	*73-127*	0

ND - Not Detected at the Reporting Limit
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R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
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CLIENT: Terracon Consulting Engineers & Scientists
Work Order: 0609345
Project: N. Gillette

QC BATCH REPORT

Batch ID: **R42161** Instrument ID **VOA4** Method: **SW8260**

LCS Sample ID: **VLCSS-092706** Units: **µg/Kg** Analysis Date: **09/27/06 14:34**

Client ID: Run ID: **VOA4_060927A** SeqNo: **959448** Prep Date: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	49.81	5.0	50	0	99.6	75.6-123	0			
1,1,2,2-Tetrachloroethane	51.17	5.0	50	0	102	75.1-120	0			
1,1,2-Trichloroethane	49.49	5.0	50	0	99	72.8-120	0			
1,1-Dichloroethane	46.62	5.0	50	0	93.2	75.3-121	0			
1,1-Dichloroethene	47.2	5.0	50	0	94.4	78-120	0			
1,2,4-Trimethylbenzene	48.05	5.0	50	0	96.1	78.9-120	0			
1,2-Dichloroethane	49.48	5.0	50	0	99	70.6-128	0			
1,2-Dichloropropane	47.18	5.0	50	0	94.4	79.4-120	0			
1,3,5-Trimethylbenzene	47.9	5.0	50	0	95.8	78.9-122	0			
2-Butanone	108.9	10	100	0	109	54.8-130	0			
2-Hexanone	115.3	10	100	0	115	58.1-127	0			
4-Methyl-2-pentanone	112.9	10	100	0	113	67.6-120	0			
Acetone	102.7	20	100	0	103	53.4-132	0			
Benzene	46.01	5.0	50	0	92	80-121	0			
Bromodichloromethane	47.5	5.0	50	0	95	73.5-120	0			
Bromoform	49.39	5.0	50	0	98.8	76.9-120	0			
Bromomethane	41.68	10	50	0	83.4	58.9-132	0			
Carbon disulfide	97.9	10	100	0	97.9	75.6-121	0			
Carbon tetrachloride	50.5	5.0	50	0	101	71.8-130	0			
Chlorobenzene	47.19	5.0	50	0	94.4	80-120	0			
Chloroethane	43.19	10	50	0	86.4	62.5-135	0			
Chloroform	47.96	5.0	50	0	95.9	74.5-120	0			
Chloromethane	46.58	10	50	0	93.2	62.8-129	0			
cis-1,2-Dichloroethene	46.06	5.0	50	0	92.1	76.4-121	0			
cis-1,3-Dichloropropene	47.08	5.0	50	0	94.2	72.7-120	0			
Dibromochloromethane	48.74	5.0	50	0	97.5	71.5-120	0			
Ethylbenzene	47.81	5.0	50	0	95.6	79.9-122	0			
m,p-Xylene	95.56	10	100	0	95.6	79.6-125	0			
Methyl tert-butyl ether	49.55	5.0	50	0	99.1	73.7-120	0			
Methylene chloride	46.87	10	50	0	93.7	61.4-120	0			
n-Butylbenzene	49.87	5.0	50	0	99.7	78-124	0			
Naphthalene	48.86	5.0	50	0	97.7	73.6-129	0			
o-Xylene	47.24	5.0	50	0	94.5	79.4-122	0			
sec-Butylbenzene	48.56	5.0	50	0	97.1	78.5-120	0			
Styrene	48.99	5.0	50	0	98	79.6-123	0			
Tetrachloroethene	48.45	5.0	50	0	96.9	79.5-125	0			
Toluene	47.34	5.0	50	0	94.7	79.1-123	0			
trans-1,2-Dichloroethene	46.77	5.0	50	0	93.5	76.3-124	0			
trans-1,3-Dichloropropene	48.49	5.0	50	0	97	65-127	0			
Trichloroethene	47.5	5.0	50	0	95	77.1-121	0			

ND - Not Detected at the Reporting Limit
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B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: Terracon Consulting Engineers & Scientists
Work Order: 0609345
Project: N. Gillette

QC BATCH REPORT

Batch ID: **R42161** Instrument ID **VOA4** Method: **SW8260**

Vinyl chloride	45.59	2.0	50	0	91.2	66.1-129	0
Xylenes, Total	142.8	15	150	0	95.2	79.4-125	0
Surr: 1,2-Dichloroethane-d4	*47.75*	0	*50*	0	*95.5*	*70-128*	0
Surr: 4-Bromofluorobenzene	*46.35*	0	*50*	0	*92.7*	*73-126*	0
Surr: Dibromofluoromethane	*46.24*	0	*50*	0	*92.5*	*71-128*	0
Surr: Toluene-d8	*46.55*	0	*50*	0	*93.1*	*73-127*	0

ND - Not Detected at the Reporting Limit
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E - Value above quantitation range

CLIENT: Terracon Consulting Engineers & Scientists
Work Order: 0609345
Project: N. Gillette

QC BATCH REPORT

Batch ID: **R42161** Instrument ID **VOA4** Method: **SW8260**

MS Sample ID: **0609248-01AMS** Units: **µg/Kg** Analysis Date: **09/27/06 19:16**

Client ID: Run ID: **VOA4_060927A** SeqNo: **959487** Prep Date: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	38.85	5.0	50	0	77.7	75.6-123		0		
1,1,2,2-Tetrachloroethane	35.92	5.0	50	0	71.8	75.1-120		0		S
1,1,2-Trichloroethane	36.56	5.0	50	0	73.1	72.8-120		0		
1,1-Dichloroethane	36.07	5.0	50	0	72.1	75.3-121		0		S
1,1-Dichloroethene	36.48	5.0	50	0	73	78-120		0		S
1,2,4-Trimethylbenzene	33.57	5.0	50	0	67.1	78.9-120		0		S
1,2-Dichloroethane	38.3	5.0	50	0	76.6	70.6-128		0		
1,2-Dichloropropane	36.1	5.0	50	0	72.2	79.4-120		0		S
1,3,5-Trimethylbenzene	34.36	5.0	50	0	68.7	78.9-122		0		S
2-Butanone	93.35	10	100	0	93.3	54.8-130		0		
2-Hexanone	84.87	10	100	0	84.9	58.1-127		0		
4-Methyl-2-pentanone	86.85	10	100	0	86.9	67.6-120		0		
Acetone	96.82	20	100	5.507	91.3	53.4-132		0		
Benzene	35.38	5.0	50	0	70.8	80-121		0		S
Bromodichloromethane	35.64	5.0	50	0	71.3	73.5-120		0		S
Bromoform	35.31	5.0	50	0	70.6	76.9-120		0		S
Bromomethane	32.05	10	50	0	64.1	58.9-132		0		
Carbon disulfide	75.89	10	100	0	75.9	75.6-121		0		
Carbon tetrachloride	38.85	5.0	50	0	77.7	71.8-130		0		
Chlorobenzene	34.82	5.0	50	0	69.6	80-120		0		S
Chloroethane	33.97	10	50	0	67.9	62.5-135		0		
Chloroform	37.23	5.0	50	0	74.5	74.5-120		0		S
Chloromethane	34.01	10	50	0	68	62.8-129		0		
cis-1,2-Dichloroethene	35.29	5.0	50	0	70.6	76.4-121		0		S
cis-1,3-Dichloropropene	34.59	5.0	50	0	69.2	72.7-120		0		S
Dibromochloromethane	35.99	5.0	50	0	72	71.5-120		0		
Ethylbenzene	35.03	5.0	50	0	70.1	79.9-122		0		S
m,p-Xylene	69.07	10	100	0	69.1	79.6-125		0		S
Methyl tert-butyl ether	35.67	5.0	50	0	71.3	73.7-120		0		S
Methylene chloride	38.64	10	50	11.93	53.4	61.4-120		0		S
n-Butylbenzene	32.95	5.0	50	0	65.9	78-124		0		S
Naphthalene	30.1	5.0	50	0	60.2	73.6-129		0		S
o-Xylene	34.38	5.0	50	0	68.8	79.4-122		0		S
sec-Butylbenzene	33.17	5.0	50	0	66.3	78.5-120		0		S
Styrene	35.6	5.0	50	0	71.2	79.6-123		0		S
Tetrachloroethene	35.95	5.0	50	0	71.9	79.5-125		0		S
Toluene	35.31	5.0	50	0	70.6	79.1-123		0		S
trans-1,2-Dichloroethene	36.44	5.0	50	0	72.9	76.3-124		0		S
trans-1,3-Dichloropropene	35.48	5.0	50	0	71	65-127		0		
Trichloroethene	35.94	5.0	50	0	71.9	77.1-121		0		S

ND - Not Detected at the Reporting Limit
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in assoc. Method Blank
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
U - Analyzed for but not detected
O - Referenced analyte value is > 4 times amount spiked
P - Dual Column results percent difference > 40%
E - Value above quantitation range

CLIENT: Terracon Consulting Engineers & Scientists
Work Order: 0609345
Project: N. Gillette

QC BATCH REPORT

Batch ID: **R42161** Instrument ID **VOA4** Method: **SW8260**

Vinyl chloride	35.31	2.0	50	0	70.6	66.1-129	0	
Xylenes, Total	103.5	15	150	0	69	79.4-125	0	S
Surr: 1,2-Dichloroethane-d4	*49.14*	0	*50*	0	*98.3*	*70-128*	0	
Surr: 4-Bromofluorobenzene	*45.07*	0	*50*	0	*90.1*	*73-126*	0	
Surr: Dibromofluoromethane	*46.12*	0	*50*	0	*92.2*	*71-128*	0	
Surr: Toluene-d8	*45.37*	0	*50*	0	*90.7*	*73-127*	0	

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
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P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: Terracon Consulting Engineers & Scientists
Work Order: 0609345
Project: N. Gillette

QC BATCH REPORT

Batch ID: **R42161** Instrument ID **VOA4** Method: **SW8260**

MSD Sample ID: **0609248-01AMSD** Units: **µg/Kg** Analysis Date: **09/27/06 19:38**

Client ID: Run ID: **VOA4_060927A** SeqNo: **959489** Prep Date: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	48.96	5.0	50	0	97.9	75.6-123	38.85	23	30	
1,1,2,2-Tetrachloroethane	49.37	5.0	50	0	98.7	75.1-120	35.92	31.6	30	R
1,1,2-Trichloroethane	48.94	5.0	50	0	97.9	72.8-120	36.56	29	30	
1,1-Dichloroethane	47.74	5.0	50	0	95.5	75.3-121	36.07	27.8	30	
1,1-Dichloroethene	47.83	5.0	50	0	95.7	78-120	36.48	26.9	30	
1,2,4-Trimethylbenzene	45.83	5.0	50	0	91.7	78.9-120	33.57	30.9	30	R
1,2-Dichloroethane	49.61	5.0	50	0	99.2	70.6-128	38.3	25.7	30	
1,2-Dichloropropane	46.83	5.0	50	0	93.7	79.4-120	36.1	25.9	30	
1,3,5-Trimethylbenzene	46.51	5.0	50	0	93	78.9-122	34.36	30	30	R
2-Butanone	144.4	10	100	0	144	54.8-130	93.35	43	30	SR
2-Hexanone	118.3	10	100	0	118	58.1-127	84.87	32.9	30	R
4-Methyl-2-pentanone	135.1	10	100	0	135	67.6-120	86.85	43.5	30	SR
Acetone	134	20	100	5.507	129	53.4-132	96.82	32.2	30	R
Benzene	45.78	5.0	50	0	91.6	80-121	35.38	25.6	30	
Bromodichloromethane	46.83	5.0	50	0	93.7	73.5-120	35.64	27.1	30	
Bromoform	47.42	5.0	50	0	94.8	76.9-120	35.31	29.3	30	
Bromomethane	41.29	10	50	0	82.6	58.9-132	32.05	25.2	30	
Carbon disulfide	96.34	10	100	0	96.3	75.6-121	75.89	23.7	30	
Carbon tetrachloride	50.27	5.0	50	0	101	71.8-130	38.85	25.6	30	
Chlorobenzene	45.39	5.0	50	0	90.8	80-120	34.82	26.3	30	
Chloroethane	45.42	10	50	0	90.8	62.5-135	33.97	28.8	30	
Chloroform	49.2	5.0	50	0	98.4	74.5-120	37.23	27.7	30	
Chloromethane	43.77	10	50	0	87.5	62.8-129	34.01	25.1	30	
cis-1,2-Dichloroethene	45.8	5.0	50	0	91.6	76.4-121	35.29	25.9	30	
cis-1,3-Dichloropropene	45.65	5.0	50	0	91.3	72.7-120	34.59	27.6	30	
Dibromochloromethane	47.62	5.0	50	0	95.2	71.5-120	35.99	27.8	30	
Ethylbenzene	46.16	5.0	50	0	92.3	79.9-122	35.03	27.4	30	
m,p-Xylene	91.01	10	100	0	91	79.6-125	69.07	27.4	30	
Methyl tert-butyl ether	48.8	5.0	50	0	97.6	73.7-120	35.67	31.1	30	R
Methylene chloride	55.32	10	50	11.93	86.8	61.4-120	38.64	35.5	30	R
n-Butylbenzene	45.44	5.0	50	0	90.9	78-124	32.95	31.9	30	R
Naphthalene	42.11	5.0	50	0	84.2	73.6-129	30.1	33.3	30	R
o-Xylene	45.89	5.0	50	0	91.8	79.4-122	34.38	28.7	30	
sec-Butylbenzene	46.65	5.0	50	0	93.3	78.5-120	33.17	33.8	30	R
Styrene	47.27	5.0	50	0	94.5	79.6-123	35.6	28.1	30	
Tetrachloroethene	47.01	5.0	50	0	94	79.5-125	35.95	26.7	30	
Toluene	45.58	5.0	50	0	91.2	79.1-123	35.31	25.4	30	
trans-1,2-Dichloroethene	46.32	5.0	50	0	92.6	76.3-124	36.44	23.9	30	
trans-1,3-Dichloropropene	47.58	5.0	50	0	95.2	65-127	35.48	29.1	30	
Trichloroethene	47.54	5.0	50	0	95.1	77.1-121	35.94	27.8	30	

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: Terracon Consulting Engineers & Scientists
Work Order: 0609345
Project: N. Gillette

QC BATCH REPORT

Batch ID: **R42161** Instrument ID **VOA4** Method: **SW8260**

Vinyl chloride	45.04	2.0	50	0	90.1	66.1-129	35.31	24.2	30
Xylenes, Total	136.9	15	150	0	91.3	79.4-125	103.5	27.8	30
Surr: 1,2-Dichloroethane-d4	*48.85*	0	*50*	0	*97.7*	*70-128*	49.14	*0.6*	*30*
Surr: 4-Bromofluorobenzene	*45.98*	0	*50*	0	*92*	*73-126*	45.07	*2*	*30*
Surr: Dibromofluoromethane	*47*	0	*50*	0	*94*	*71-128*	46.12	*1.91*	*30*
Surr: Toluene-d8	*46.52*	0	*50*	0	*93*	*73-127*	45.37	*2.5*	*30*

The following samples were analyzed in this batch: 0609345-03A

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: Terracon Consulting Engineers & Scientists
Work Order: 0609345
Project: N. Gillette

QC BATCH REPORT

Batch ID: **R42037** Instrument ID **Balance1** Method: **E160.3**

DUP Sample ID: **0609299-01B-DUP** Units: **wt%** Analysis Date: **09/25/06 0:00**

Client ID: Run ID: **BALANCE1_060925C** SeqNo: **957178** Prep Date: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Percent Moisture	14.61	0.010	0	0	0	0-0	14.1	3.56	20	

DUP Sample ID: **0609367-03C-DUP** Units: **wt%** Analysis Date: **09/25/06 0:00**

Client ID: Run ID: **BALANCE1_060925C** SeqNo: **957193** Prep Date: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Percent Moisture	20.69	0.010	0	0	0	0-0	20.49	0.943	20	

The following samples were analyzed in this batch:

0609345-01A 0609345-02A 0609345-03B
0609345-04A

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

e-Lab ANALYTICAL
QUALITY • INTEGRITY • SERVICE

10450 Stancliff Rd. #210
Houston, Texas 77099
(Tel) 281.530.5656
(Fax) 281.530.5887

Chain of Custody Form

Page 1 of 1

3352 128th Avenue
Holland, Michigan 49424
(Tel) 616.399.6070
(Fax) 616.399.6185

e-Lab Project Manager:

e-Lab Work Order #: 06009345

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order	75385	Project Name	N. Gillette	A	VOC 8260
Work Order		Project Number	92067692	B	Total Metals RCRA 8
Company Name	HBC Terracon	Bill To Company	HBC Terracon	C	Moisture
Send Report To	Prasad Rajulu	Invoice Attn	Prasad Rajulu	D	
Address	11555 Clay Road Suite 100	Address	11555 Clay Road Suite 100	E	
				F	
City/State/Zip	Houston, TX 77043	City/State/Zip	Houston, TX 77043	G	
Phone	(713) 690-8989	Phone	(713) 690-8989	H	
Fax	(713) 690-8787	Fax	(713) 690-8787	I	
e-Mail Address		e-Mail Address		J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	TMW-1 (3-4)	9/22/06	950	Soil	Ice	1		X	X								
2	TMW-1 (9-10)	↓	950	↓	↓	1		X	X								
3	TMW-2 (4-5)	↓	1200	↓	↓	2	X	X	X								
4	TMW-2 (2-3)	↓	1200	↓	↓	1		X	X								
5	TMW-2 (12-13)	↓	1200	↓	↓	1											X
6																	
7																	
8																	
9																	
10																	

Sampler(s) Please Print & Sign: Josh McFarlain

Shipment Method:

Required Turnaround Time: (Check Box) ☐ Std 10 WK Days ☑ 5 WK Days ☐ 2 WK Days ☐ 24 Hour ☐ Other

Results Due Date:

Relinquished by: [signature] Date: 9/22/06 Time: 1619

Received by:

Notes:

Relinquished by: Date: Time:

Received by (Laboratory): [signature] 9/22/06 1619

Logged by (Laboratory): Date: Time:

Checked by (Laboratory):

e-Lab Analytical Cooler ID | Cooler Temp.

QC Package: (Check One Box Below)
☐ Level II Std QC
☐ Level III Std QC/Raw Data
☐ Level IV SW846/CLP
☐ Other _____
☑ TRRP CheckList
☐ TRRP Level IV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to e-Lab Analytical, Inc.
2. Unless otherwise agreed in a formal contract, services provided by e-Lab Analytical, Inc. are expressly limited to the terms and conditions stated on the reverse.

Copyright 2004 by e-Lab Analytical, Inc.

e-Lab Analytical, Inc.

Sample Receipt Checklist

Client Name TERRACON

Date/Time Received: 9/22/2006 4:19:00 PM

Work Order Number 0609345

Received by: RSZ

Checklist completed by [signature] Signature 9/22/06 Date

Reviewed by [signature] Initials 9/25/06 Date

Matrix: S

Carrier name Client

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	2.5 C	002	
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑

Adjusted? _____ Checked b _____

Login Notes: TB Not listed on COC-Logged in w/o analyses Sample "TMW-1" depths listed on COC for both samples do not match labels. Logged in per COC.

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

0609345

e-Lab Analytical, Inc.
10450 Stancliff Rd., Suite 210
Houston, Texas 77099
Tel. 281.530.5656
Fax. 218.530.5887

QUALITY • INTEGRITY • SERVICE

CUSTODY SEAL

Date: _____ Time: _____

Name: _____

Company: _____

Seal Broken By: BS

Date: 9-22-06

Soil

e-Lab Analytical, Inc.

10450 Stancliff Rd, Suite 210 Houston, Texas 77099-4338 (281) 530-5656 Fax (281) 530-5887

October 12, 2006

Prasad Rajulu
Terracon Consulting Engineers & Scientists
11555 Clay Road
Suite 100
Houston, TX 77043

Tel: (713) 690-8989
Fax: (713) 690-8787

Re: 92067692/N. Gillette

Work Order : **0609369**

Dear Prasad Rajulu,

e-Lab Analytical, Inc. received 7 samples on 9/25/2006 8:00:00 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by e-Lab Analytical, Inc. and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by e-Lab Analytical, Inc. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 38.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Jeffrey L Croston

Electronically approved by: Odette E. Elliston

Jeffrey L Croston
Project Manager

Certificate No: T104704231-06-TX

e-Lab Analytical, Inc. **Date:** *October 12, 2006*

CLIENT:	Terracon Consulting Engineers & Scientists	**TRRP Laboratory Data Package Cover Page**
Project:	92067692/N. Gillette	
Work Order:	0609369	

This data package consists of all or some of the following as applicable:

This signature page, the laboratory review checklist, and the following reportable data:

R1 Field chain-of-custody documentation:

R2 Sample identification cross-reference

R3 Test reports (analytical data sheets) for each environmental sample that includes:
- a) Items consistent with NELAC 5.13 or ISO/IEC 17025 Section 5.10
- b) dilution factors,
- c) preparation methods,
- d) cleanup methods, and
- e) if required for the project, tentatively identified compounds (TICs).

R4 Surrogate recovery data including:
- a) Calculated recovery (%R), and
- b) The laboratory's surrogate QC limits.

R5 Test reports/summary forms for blank samples;

R6 Test reports/summary forms for laboratory control samples (LCSs) including:
- a) LCS spiking amounts,
- b) Calculated %R for each analyte, and
- c)The laboratory's LCS QC limits.

R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
- a) Samples associated with the MS/MSD clearly identified,
- b) MS/MSD spiking amounts,
- c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
- d) Calculated %Rs and relative percent differences (RPDs), and
- e) The laboratory's MS/MSD QC limits

R8 Laboratory analytical duplicate (if applicable) recovery and precision:
- a) the amount of analyte measured in the duplicate,
- b) the calculated RPD, and
- c) the laboratory's QC limits for analytical duplicates.

R9 List of method quantitation limits (MQLs) for each analyte for each method and matrix;?

R10 Other problems or anomalies.

The Exception Report for every "No" or "Not Reviewed (NR)" item in laboratory review checklist.

Release Statement: I am responsible for the release of this laboratory data package. This data package has been reviewed by the laboratory and is complete and technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory as having the potential to affect the quality of the data, have been identified by the laboratory in the Laboratory Review Checklist, and no information or data have been knowingly withheld that would affect the quality of the data.

Check, if applicable: [NA] This laboratory is an in-house laboratory controlled by the person responding to rule. The official signing the cover page of the rule-required report (for example, the APAR) in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.

Jeffrey L Croston

Jeffrey L Croston

Project Manager

Laboratory Review Checklist: Reportable Data

Laboratory Name: e-Lab Analytical, Inc.	LRC Date: 10/12/2006
Project Name:N. Gillette	Laboratory Job Number: 0609369
Reviewer Name: Jeff Croston	Prep Batch Number(s): 19990, 19993, 20105, R42037, R42340 and R42426

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
R1	OI	**CHAIN-OF-CUSTODY (C-O-C)**					
		1) Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		2) Were all departures from standard conditions described in an exception report?	X				
R2	OI	**SAMPLE AND QUALITY CONTROL (QC) IDENTIFICATION**					
		1) Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		2) Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**TEST REPORTS**					
		1) Were all samples prepared and analyzed within holding times?	X				
		2) Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		3) Were calculations checked by a peer or supervisor?	X				
		4) Were all analyte identifications checked by a peer or supervisor?	X				
		5) Were sample quantitation limits reported for all analytes not detected?	X				
		6) Were all results for soil and sediment samples reported on a dry weight basis?	X				
		7) Was % moisture (or solids) reported for all soil and sediment samples?	X				
		8) If required for the project, TICs reported?			X		
R4	O	**SURROGATE RECOVERY DATA**					
		1) Were surrogates added prior to extraction?	X				
		2) Were surrogate percent recoveries in all samples within the laboratory QC limits?	X				
R5	OI	**TEST REPORTS/SUMMMARY FORMS FOR BLANK SAMPLES**					
		1) Were appropriate type(s) of blanks analyzed?	X				
		2) Were blanks analyzed at the appropriate frequency?	X				
		3) Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		4) Were blank concentrations < MQL?	X				
R6	OI	**LABORATORY CONTROL SAMPLES (LCS):**					
		1) Were all COCs included in the LCS?	X				
		2) Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		3) Were LCSs analyzed at the required frequency?	X				
		4) Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		5) Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SQLs?	X				
		6) Was the LCSD RPD within QC limits?	X				
R7	OI	**MATRIX SPIKE (MS) AND MATRIX SPIKE DUPLICATE (MSD) DATA**					
		1) Were the project/method specified analytes included in the MS and MSD?	X				
		2) Were MS/MSD analyzed at the appropriate frequency?	X				
		3) Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?		X			1
		4) Were MS/MSD RPDs within laboratory QC limits?		X			1
R8	OI	**ANALYTICAL DUPLICATE DATA**					
		1) Were appropriate analytical duplicates analyzed for each matrix?	X				
		2) Were analytical duplicates analyzed at the appropriate frequency?	X				
		3) Were RPDs or relative standard deviations within the laboratory QC limits?	X				
R9	OI	**METHOD QUANTITATION LIMITS (MQLS):**					
		1) Are the MQLs for each method analyte listed and included in the laboratory data package?	X				
		2) Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		3) Are unadjusted MQLs included in the laboratory data package?	X				2
R10	OI	**OTHER PROBLEMS/ANOMALIES**					
		1) Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		2) Were all necessary corrective actions performed for the reported data?	X				
		3) If requested, is the justification for elevated SQLs documented?	X				

1 Items identified by the letter "R" should be included in the laboratory data package submitted in o the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3 NA = Not applicable;
4 NR = Not Reviewed;
5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Supporting Data	
Laboratory Name: e-Lab Analytical, Inc.	LRC Date: 10/12/2006
Project Name:N. Gillette	Laboratory Job Number: 0609369
Reviewer Name: Jeff Croston	Prep Batch Number(s): 19990, 19993, 20105, R42037, R42340 and R42426

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**INITIAL CALIBRATION (ICAL)**					
		1) Were response factors (RFs) and/or relative response factors (RRFs) for each analyte within the QC limits?	X				
		2) Were percent RSDs or correlation coefficient criteria met?	X				
		3) Was the number of standards recommended in the method used for all analytes?	X				
		4) Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		5) Are ICAL data available for all instruments used?	X				
		6) Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**INITIAL AND CONTINUING CALIBRATION VERIFICATION (ICCV AND CCV) AND**					
		1) Was the CCV analyzed at the method-required frequency?	X				
		2) Were percent differences for each analyte within the method-required QC limits?	X				
		3) Was the ICAL curve verified for each analyte?	X				
		4) Was the absolute value of the analyte concentration in the inorganic CCB < MDL?			X		
S3	O	**MASS SPECTRAL TUNING:**					
		1) Was the appropriate compound for the method used for tuning?	X				
		2) Were ion abundance data within the method-required QC limits?	X				
S4	O	**INTERNAL STANDARDS (IS):**					
		Were IS area counts and retention times within the method-required QC limits?	X				
S5	OI	**RAW DATA (NELAC SECTION 1 APPENDIX A GLOSSARY, AND SECTION 5.12 OR**					
		1) Were the raw data (e.g., chromatograms, spectral data) reviewed by an analyst?	X				
		2) Were data associated with manual integrations flagged on the raw data?	X				
S6	O	**DUAL COLUMN CONFIRMATION**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**TENTATIVELY IDENTIFIED COMPOUNDS (TICS):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**INTERFERENCE CHECK SAMPLE (ICS) RESULTS:**					
		Were percent recoveries within method QC limits?	X				
S9	I	**SERIAL DILUTIONS, POST DIGESTION SPIKES, AND METHOD OF STANDARD**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?		X			3
S10	OI	**PROFICIENCY TEST REPORTS:**					
		Are proficiency testing or inter-laboratory comparison results on file?	X				
S11	OI	**METHOD DETECTION LIMIT (MDL) STUDIES**					
		1) Was a MDL study performed for each reported analyte?	X				
		2) Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S12	OI	**STANDARDS DOCUMENTATION**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**COMPOUND/ANALYTE IDENTIFICATION PROCEDURES**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**DEMONSTRATION OF ANALYST COMPETENCY (DOC)**					
		1) Was DOC conducted consistent with NELAC 5C or ISO/IEC 4.2.2?	X				
		2) Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**VERIFICATION/VALIDATION DOCUMENTATION FOR METHODS**					
		Are all the methods used to generate the data documented, verified, and validated, where applicable, (NELAC 5.10.2 or ISO/IEC 17025 Section 5.4.5)?	X				
S16	OI	**LABORATORY STANDARD OPERATING PROCEDURES (SOPS):**					
		Are laboratory SOPs current and on file for each method performed?	X				

1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
3 NA = Not applicable.
4 NR = Not Reviewed.
5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Exception Report	
Laboratory Name: e-Lab Analytical, Inc.	LRC Date: 10/12/2006
Project Name:N. Gillette	Laboratory Job Number: 0609369
Reviewer Name: Jeff Croston	Prep Batch Number(s): 19990, 19993, 20105, R42037, R42340 and R42426

ER #[1]	DESCRIPTION
1	Batch TPH TX1005 (sample TMW-4 (24-25)) MS/MSD recoveries were above the control limits for nC6 to nC12 (135% and 142%) and >nC12 to nC28 (126% MSD only).
	Batch 19993 Metals MS/MSD and RPD was an unrelated sample.
	Batch R42340 Volatiles MS was an unrelated sample.
	Batch R42426 Volatiles (TMW-4 (24-25))) MS/MSD recoveries were above the control limits for 1,2,4-Trimethylbenzene (191% and 168% E-flagged) and Naphthalene (131% MS only).
2	Volatiles (sample TMW-4 (24-25))) could not be reported at a lower dilution due to high concentrations of target and non-targeted compounds.
3	Batch 19993 Metals PDS was an unrelated sample.

1 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

e-Lab Analytical, Inc.

Date: *October 12, 2006*

CLIENT: Terracon Consulting Engineers & Scientists
Project: 92067692/N. Gillette
Work Order: **0609369**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
0609369-01	TMW-3 (4-5)	Soil		9/23/2006 07:35	9/25/2006 08:00	☐
0609369-02	TMW-3 (6-7)	Soil		9/23/2006 07:42	9/25/2006 08:00	☐
0609369-03	DUP-1	Soil		9/23/2006	9/25/2006 08:00	☐
0609369-04	TMW-4 (2-3)	Soil		9/23/2006 10:57	9/25/2006 08:00	☐
0609369-05	TMW-4 (24-25)	Soil		9/23/2006 10:59	9/25/2006 08:00	☐
0609369-06	TMW-4 (39-40)	Soil		9/23/2006 11:02	9/25/2006 08:00	☑
0609369-07	Trip Blank	Water		9/23/2006 11:02	9/25/2006 08:00	☑

e-Lab Analytical, Inc.

Date: *October 12, 2006*

CLIENT: Terracon Consulting Engineers & Scientists
Work Order: 0609369
Project: 92067692/N. Gillette
Lab ID: 0609369-01

Client Sample ID: TMW-3 (4-5)
Collection Date: 9/23/2006 7:35:00 AM
Matrix: SOIL

Analyses	Result	Qual	SQL	MQL	Units	Dilution Factor	Date Analyzed
MERCURY, TOTAL		Method: **SW7471A**			Prep: SW7471A / 9/26/06		Analyst: **JCJ**
Mercury	**2.61**	J	**1.5**	**14.5**	**µg/Kg-dry**	1	9/26/2006
ICP METALS		Method: **SW6020**			Prep: SW3050A / 9/26/06		Analyst: **SA**
Arsenic	**1.31**		**0.15**	**0.564**	**mg/Kg-dry**	1	9/27/2006
Barium	**21.1**		**0.079**	**0.564**	**mg/Kg-dry**	1	9/27/2006
Cadmium	U		0.034	0.564	mg/Kg-dry	1	9/27/2006
Chromium	**20.1**		**0.079**	**0.564**	**mg/Kg-dry**	1	9/27/2006
Lead	**2.35**		**0.10**	**0.564**	**mg/Kg-dry**	1	9/27/2006
Selenium	**0.973**		**0.21**	**0.564**	**mg/Kg-dry**	1	9/27/2006
Silver	U		0.023	0.564	mg/Kg-dry	1	9/27/2006
PERCENT MOISTURE		Method: **E160.3**					Analyst: **VLB**
Percent Moisture	**11.4**		**0.010**	**0.0100**	**wt%**	1	9/25/2006

Qualifiers:

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J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
P - Dual Column results RPD > 40%
E - Value above quantitation range
H - Analyzed outside of Hold Time

e-Lab Analytical, Inc.

Date: *October 12, 2006*

CLIENT: Terracon Consulting Engineers & Scientists
Work Order: 0609369
Project: 92067692/N. Gillette
Lab ID: 0609369-02

Client Sample ID: TMW-3 (6-7)
Collection Date: 9/23/2006 7:42:00 AM
Matrix: SOIL

Analyses	Result	Qual	SQL	MQL	Units	Dilution Factor	Date Analyzed
MERCURY, TOTAL			Method: **SW7471A**		Prep: SW7471A / 9/26/06		Analyst: **JCJ**
Mercury	U		1.7	15.9	µg/Kg-dry	1	9/26/2006
ICP METALS			Method: **SW6020**		Prep: SW3050A / 9/26/06		Analyst: **SA**
Arsenic	**1.32**		**0.16**	**0.604**	**mg/Kg-dry**	1	9/27/2006
Barium	**224**		**0.085**	**0.604**	**mg/Kg-dry**	1	9/27/2006
Cadmium	U		0.036	0.604	mg/Kg-dry	1	9/27/2006
Chromium	**6.07**		**0.085**	**0.604**	**mg/Kg-dry**	1	9/27/2006
Lead	**10.5**		**0.11**	**0.604**	**mg/Kg-dry**	1	9/27/2006
Selenium	**0.311**	J	**0.23**	**0.604**	**mg/Kg-dry**	1	9/27/2006
Silver	U		0.024	0.604	mg/Kg-dry	1	9/27/2006
PERCENT MOISTURE			Method: **E160.3**				Analyst: **VLB**
Percent Moisture	**17.3**		**0.010**	**0.0100**	**wt%**	1	9/25/2006

Qualifiers:

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* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
P - Dual Column results RPD > 40%
E - Value above quantitation range
H - Analyzed outside of Hold Time

e-Lab Analytical, Inc.

Date: *October 12, 2006*

CLIENT: Terracon Consulting Engineers & Scientists
Client Sample ID: DUP-1
Work Order: 0609369
Collection Date: 9/23/2006
Project: 92067692/N. Gillette
Lab ID: 0609369-03
Matrix: SOIL

Analyses	Result	Qual	SQL	MQL	Units	Dilution Factor	Date Analyzed
MERCURY, TOTAL		Method: **SW7471A**			Prep: SW7471A / 9/26/06		Analyst: **JCJ**
Mercury	U		1.6	15.5	µg/Kg-dry	1	9/26/2006
ICP METALS		Method: **SW6020**			Prep: SW3050A / 9/26/06		Analyst: **SA**
Arsenic	**1.14**		**0.15**	**0.593**	**mg/Kg-dry**	1	9/27/2006
Barium	**51.1**		**0.083**	**0.593**	**mg/Kg-dry**	1	9/27/2006
Cadmium	U		0.036	0.593	mg/Kg-dry	1	9/27/2006
Chromium	**7.20**		**0.083**	**0.593**	**mg/Kg-dry**	1	9/27/2006
Lead	**10.9**		**0.11**	**0.593**	**mg/Kg-dry**	1	9/27/2006
Selenium	**0.240**	J	**0.23**	**0.593**	**mg/Kg-dry**	1	9/27/2006
Silver	U		0.024	0.593	mg/Kg-dry	1	9/27/2006
PERCENT MOISTURE		Method: **E160.3**					Analyst: **VLB**
Percent Moisture	**15.6**		**0.010**	**0.0100**	**wt%**	1	9/25/2006

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P - Dual Column results RPD > 40%
E - Value above quantitation range
H - Analyzed outside of Hold Time

e-Lab Analytical, Inc.

Date: *October 12, 2006*

CLIENT: Terracon Consulting Engineers & Scientists
Work Order: 0609369
Project: 92067692/N. Gillette
Lab ID: 0609369-04

Client Sample ID: TMW-4 (2-3)
Collection Date: 9/23/2006 10:57:00 AM
Matrix: SOIL

Analyses	Result	Qual	SQL	MQL	Units	Dilution Factor	Date Analyzed
MERCURY, TOTAL			Method: **SW7471A**		Prep: SW7471A / 9/26/06		Analyst: **JCJ**
Mercury	**154**		**1.7**	**16.4**	**µg/Kg-dry**	1	9/26/2006
ICP METALS			Method: **SW6020**		Prep: SW3050A / 9/26/06		Analyst: **SA**
Arsenic	**11.9**		**0.16**	**0.622**	**mg/Kg-dry**	1	9/27/2006
Barium	**1,160**		**8.7**	**62.2**	**mg/Kg-dry**	100	9/27/2006
Cadmium	**2.92**		**0.037**	**0.622**	**mg/Kg-dry**	1	9/27/2006
Chromium	**24.1**		**0.087**	**0.622**	**mg/Kg-dry**	1	9/27/2006
Lead	**2,140**		**11**	**62.2**	**mg/Kg-dry**	100	9/27/2006
Selenium	**0.567**	J	**0.24**	**0.622**	**mg/Kg-dry**	1	9/27/2006
Silver	**3.82**		**0.025**	**0.622**	**mg/Kg-dry**	1	9/27/2006
PERCENT MOISTURE			Method: **E160.3**				Analyst: **VLB**
Percent Moisture	**19.7**		**0.010**	**0.0100**	**wt%**	1	9/25/2006

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P - Dual Column results RPD > 40%
E - Value above quantitation range
H - Analyzed outside of Hold Time

e-Lab Analytical, Inc.

Date: *October 12, 2006*

CLIENT: Terracon Consulting Engineers & Scientists
Work Order: 0609369
Project: 92067692/N. Gillette
Lab ID: 0609369-05

Client Sample ID: TMW-4 (24-25)
Collection Date: 9/23/2006 10:59:00 AM
Matrix: SOIL

Analyses	Result	Qual	SQL	MQL	Units	Dilution Factor	Date Analyzed
TEXAS TPH		Method: **TX1005**			Prep: TX1005PR / 10/3/06		Analyst: **JFT**
nC6 to nC12	**210**		**20**	**61**	**mg/Kg-dry**	1	10/3/2006
>nC12 to nC28	**94**		**20**	**61**	**mg/Kg-dry**	1	10/3/2006
>nC28 to nC35	U		20	61	mg/Kg-dry	1	10/3/2006
Total Petroleum Hydrocarbon	**304**		**20**	**61**	**mg/Kg-dry**	1	10/3/2006
Surr: 2-Fluorobiphenyl	*105*			*70-130*	*%REC*	1	10/3/2006
Surr: Trifluoromethyl benzene	*129*			*70-130*	*%REC*	1	10/3/2006
MERCURY, TOTAL		Method: **SW7471A**			Prep: SW7471A / 9/26/06		Analyst: **JCJ**
Mercury	**83.9**		**1.7**	**15.9**	**µg/Kg-dry**	1	9/26/2006
ICP METALS		Method: **SW6020**			Prep: SW3050A / 9/26/06		Analyst: **SA**
Arsenic	**1.44**		**0.16**	**0.611**	**mg/Kg-dry**	1	9/27/2006
Barium	**50.0**		**0.086**	**0.611**	**mg/Kg-dry**	1	9/27/2006
Cadmium	**0.0695**	J	**0.037**	**0.611**	**mg/Kg-dry**	1	9/27/2006
Chromium	**4.02**		**0.086**	**0.611**	**mg/Kg-dry**	1	9/27/2006
Lead	**20.6**		**0.11**	**0.611**	**mg/Kg-dry**	1	9/27/2006
Selenium	**0.435**	J	**0.23**	**0.611**	**mg/Kg-dry**	1	9/27/2006
Silver	U		0.024	0.611	mg/Kg-dry	1	9/27/2006
VOLATILES BY GC/MS		Method: **SW8260**					Analyst: **HLBW**
1,1,1-Trichloroethane	U		0.0043	0.031	mg/Kg-dry	5	10/4/2006
1,1,2,2-Tetrachloroethane	U		0.0031	0.031	mg/Kg-dry	5	10/4/2006
1,1,2-Trichloroethane	U		0.0031	0.031	mg/Kg-dry	5	10/4/2006
1,1-Dichloroethane	U		0.0049	0.031	mg/Kg-dry	5	10/4/2006
1,1-Dichloroethene	U		0.0061	0.031	mg/Kg-dry	5	10/4/2006
1,2,4-Trimethylbenzene	**34**		**0.21**	**1.5**	**mg/Kg-dry**	250	10/4/2006
1,2-Dichloroethane	U		0.0037	0.031	mg/Kg-dry	5	10/4/2006
1,2-Dichloropropane	U		0.0037	0.031	mg/Kg-dry	5	10/4/2006
1,3,5-Trimethylbenzene	**9.8**		**0.24**	**1.5**	**mg/Kg-dry**	250	10/4/2006
2-Butanone	U		0.0043	0.061	mg/Kg-dry	5	10/4/2006
2-Hexanone	U		0.0061	0.061	mg/Kg-dry	5	10/4/2006
4-Methyl-2-pentanone	U		0.0061	0.061	mg/Kg-dry	5	10/4/2006
Acetone	**0.14**	J	**0.012**	**0.15**	**mg/Kg-dry**	5	10/4/2006
Benzene	U		0.0037	0.031	mg/Kg-dry	5	10/4/2006
Bromodichloromethane	U		0.0049	0.031	mg/Kg-dry	5	10/4/2006
Bromoform	U		0.0031	0.031	mg/Kg-dry	5	10/4/2006
Bromomethane	U		0.0061	0.061	mg/Kg-dry	5	10/4/2006
Carbon disulfide	U		0.0073	0.061	mg/Kg-dry	5	10/4/2006
Carbon tetrachloride	U		0.0061	0.031	mg/Kg-dry	5	10/4/2006
Chlorobenzene	U		0.0043	0.031	mg/Kg-dry	5	10/4/2006

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S - Spike Recovery outside accepted recovery limits
P - Dual Column results RPD > 40%
E - Value above quantitation range
H - Analyzed outside of Hold Time

e-Lab Analytical, Inc.

Date: *October 12, 2006*

CLIENT: Terracon Consulting Engineers & Scientists
Work Order: 0609369
Project: 92067692/N. Gillette
Lab ID: 0609369-05

Client Sample ID: TMW-4 (24-25)
Collection Date: 9/23/2006 10:59:00 AM
Matrix: SOIL

Analyses	Result	Qual	SQL	MQL	Units	Dilution Factor	Date Analyzed
Chloroethane	U		0.0098	0.061	mg/Kg-dry	5	10/4/2006
Chloroform	U		0.0055	0.031	mg/Kg-dry	5	10/4/2006
Chloromethane	U		0.0067	0.061	mg/Kg-dry	5	10/4/2006
cis-1,2-Dichloroethene	U		0.0049	0.031	mg/Kg-dry	5	10/4/2006
cis-1,3-Dichloropropene	U		0.0037	0.031	mg/Kg-dry	5	10/4/2006
Dibromochloromethane	U		0.0037	0.031	mg/Kg-dry	5	10/4/2006
Ethylbenzene	**1.9**		**0.24**	**1.5**	**mg/Kg-dry**	250	10/4/2006
m,p-Xylene	**2.4**		**0.0061**	**0.061**	**mg/Kg-dry**	5	10/4/2006
Methyl tert-butyl ether	U		0.0049	0.031	mg/Kg-dry	5	10/4/2006
Methylene chloride	**0.023**	J	**0.018**	**0.061**	**mg/Kg-dry**	5	10/4/2006
n-Butylbenzene	**6.2**		**0.24**	**1.5**	**mg/Kg-dry**	250	10/4/2006
Naphthalene	**16**		**0.18**	**1.5**	**mg/Kg-dry**	250	10/4/2006
o-Xylene	**1.1**		**0.0031**	**0.031**	**mg/Kg-dry**	5	10/4/2006
sec-Butylbenzene	**0.42**		**0.0043**	**0.031**	**mg/Kg-dry**	5	10/4/2006
Styrene	U		0.0043	0.031	mg/Kg-dry	5	10/4/2006
Tetrachloroethene	U		0.0037	0.031	mg/Kg-dry	5	10/4/2006
Toluene	U		0.0037	0.031	mg/Kg-dry	5	10/4/2006
trans-1,2-Dichloroethene	U		0.0061	0.031	mg/Kg-dry	5	10/4/2006
trans-1,3-Dichloropropene	U		0.0037	0.031	mg/Kg-dry	5	10/4/2006
Trichloroethene	U		0.0037	0.031	mg/Kg-dry	5	10/4/2006
Vinyl chloride	U		0.0037	0.012	mg/Kg-dry	5	10/4/2006
Xylenes, Total	**3.5**		**0.0092**	**0.092**	**mg/Kg-dry**	5	10/4/2006
Surr: 1,2-Dichloroethane-d4	*124*			*70-128*	*%REC*	5	10/4/2006
Surr: 1,2-Dichloroethane-d4	*83.9*			*70-128*	*%REC*	250	10/4/2006
Surr: 4-Bromofluorobenzene	*122*			*73-126*	*%REC*	5	10/4/2006
Surr: 4-Bromofluorobenzene	*90.8*			*73-126*	*%REC*	250	10/4/2006
Surr: Dibromofluoromethane	*109*			*71-128*	*%REC*	5	10/4/2006
Surr: Dibromofluoromethane	*95.3*			*71-128*	*%REC*	250	10/4/2006
Surr: Toluene-d8	*98.9*			*73-127*	*%REC*	5	10/4/2006
Surr: Toluene-d8	*93.9*			*73-127*	*%REC*	250	10/4/2006
PERCENT MOISTURE			Method: **E160.3**				Analyst: **VLB**
Percent Moisture	**18.2**		**0.010**	**0.0100**	**wt%**	1	9/25/2006

Qualifiers:

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e-Lab Analytical, Inc.

Date: Oct 12, 2006

Test Code: 8260_S
Test Number: SW8260
Test Name: Volatiles by GC/MS
Matrix: Solid **Units:** mg/Kg

METHOD DETECTION / REPORTING LIMITS

Type	Analyte	CAS	MDL	Unadjusted MQL
A	1,1,1-Trichloroethane	71-55-6	0.0007	0.005
A	1,1,2,2-Tetrachloroethane	79-34-5	0.0005	0.005
A	1,1,2-Trichloroethane	79-00-5	0.0005	0.005
A	1,1-Dichloroethane	75-34-3	0.0008	0.005
A	1,1-Dichloroethene	75-35-4	0.001	0.005
A	1,2,4-Trimethylbenzene	95-63-6	0.0007	0.005
A	1,2-Dichloroethane	107-06-2	0.0006	0.005
A	1,2-Dichloropropane	78-87-5	0.0006	0.005
A	1,3,5-Trimethylbenzene	108-67-8	0.0008	0.005
A	2-Butanone	78-93-3	0.0007	0.01
A	2-Hexanone	591-78-6	0.001	0.01
A	4-Methyl-2-pentanone	108-10-1	0.001	0.01
A	Acetone	67-64-1	0.002	0.025
A	Benzene	71-43-2	0.0006	0.005
A	Bromodichloromethane	75-27-4	0.0008	0.005
A	Bromoform	75-25-2	0.0005	0.005
A	Bromomethane	74-83-9	0.001	0.01
A	Carbon disulfide	75-15-0	0.0012	0.01
A	Carbon tetrachloride	56-23-5	0.001	0.005
A	Chlorobenzene	108-90-7	0.0007	0.005
A	Chloroethane	75-00-3	0.0016	0.01
A	Chloroform	67-66-3	0.0009	0.005
A	Chloromethane	74-87-3	0.0011	0.01
A	cis-1,2-Dichloroethene	156-59-2	0.0008	0.005
A	cis-1,3-Dichloropropene	10061-01-5	0.0006	0.005
A	Dibromochloromethane	124-48-1	0.0006	0.005
A	Ethylbenzene	100-41-4	0.0008	0.005
A	m,p-Xylene	136777-61-2	0.001	0.01
A	Methyl tert-butyl ether	1634-04-4	0.0008	0.005
A	Methylene chloride	75-09-2	0.003	0.01
A	n-Butylbenzene	104-51-8	0.0008	0.005
A	Naphthalene	91-20-3	0.0006	0.005
A	o-Xylene	95-47-6	0.0005	0.005
A	sec-Butylbenzene	135-98-8	0.0007	0.005
A	Styrene	100-42-5	0.0007	0.005
A	Tetrachloroethene	127-18-4	0.0006	0.005
A	Toluene	108-88-3	0.0006	0.005
A	trans-1,2-Dichloroethene	156-60-5	0.001	0.005
A	trans-1,3-Dichloropropene	10061-02-6	0.0006	0.005
A	Trichloroethene	79-01-6	0.0006	0.005
A	Vinyl chloride	75-01-4	0.0006	0.002

M	Xylenes, Total	1330-20-7	0.0015	0.015
S	Surr: 1,2-Dichloroethane-d4	17060-07-0	0	0
S	Surr: 4-Bromofluorobenzene	460-00-4	0	0
S	Surr: Dibromofluoromethane	1868-53-7	0	0
S	Surr: Toluene-d8	2037-26-5	0	0

e-Lab Analytical, Inc.

Date: Oct 12, 2006

METHOD DETECTION / REPORTING LIMITS

Test Code: HG_S
Test Number: SW7471A
Test Name: Mercury, Total
Matrix: Solid **Units:** µg/Kg

Type	Analyte	CAS	MDL	Unadjusted MQL
A	Mercury	7439-97-6	1.4	13.3

e-Lab Analytical, Inc.

Date: Oct 12, 2006

METHOD DETECTION / REPORTING LIMITS

Test Code: ICP_S_Low
Test Number: SW6020
Test Name: ICP Metals
Matrix: Solid **Units:** mg/Kg

Type	Analyte	CAS	MDL	Unadjusted MQL
A	Arsenic	7440-38-2	0.13	0.5
A	Barium	7440-39-3	0.07	0.5
A	Cadmium	7440-43-9	0.03	0.5
A	Chromium	7440-47-3	0.07	0.5
A	Lead	7439-92-1	0.09	0.5
A	Selenium	7782-49-2	0.19	0.5
A	Silver	7440-22-4	0.02	0.5

e-Lab Analytical, Inc.

Date: Oct 12, 2006

Test Code: MOISTURE
Test Number: E160.3
Test Name: Percent Moisture
Matrix: Soil **Units:** wt%

METHOD DETECTION / REPORTING LIMITS

Type	Analyte	CAS	MDL	Unadjusted MQL
A	Percent Moisture	MOIST	0.01	0.01

e-Lab Analytical, Inc.

Date: Oct 12, 2006

Test Code: TX1005_S_REV3
Test Number: TX1005
Test Name: Texas TPH
Matrix: Solid **Units:** mg/Kg

METHOD DETECTION / REPORTING LIMITS

Type	Analyte	CAS	MDL	Unadjusted MQL
A	>nC12 to nC28	TPHDRO	16	50
A	>nC28 to nC35	10W40MOTO	16	50
A	nC6 to nC12	TPHGRO	16	50
M	Total Petroleum Hydrocarbon	TPH	16	50
S	Surr: 2-Fluorobiphenyl	321-60-8	0	0
S	Surr: Trifluoromethyl benzene	98-08-8	0	0

e-Lab Analytical, Inc.

CLIENT: Terracon Consulting Engineers & Scientists
Work Order: 0609369
Project: 92067692/N. Gillette

Date: *Oct 12 2006*

QC BATCH REPORT

Batch ID: **20105** Instrument ID **FID-7** Method: **TX1005**

MBLK Sample ID: **FBLKS5-061003** Units: **mg/Kg** Analysis Date: **10/03/06 15:50**

Client ID: Run ID: **FID-7_061003A** SeqNo: **963178** Prep Date: **10/3/2006** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	U	50								
>nC12 to nC28	U	50								
>nC28 to nC35	U	50								
Total Petroleum Hydrocarbon	U	50								
Surr: 2-Fluorobiphenyl	*53.15*	0	*50*	0	*106*	*70-130*		0		
Surr: Trifluoromethyl benzene	*63.46*	0	*50*	0	*127*	*70-130*		0		

LCS Sample ID: **FLCSS5-061003** Units: **mg/Kg** Analysis Date: **10/03/06 16:37**

Client ID: Run ID: **FID-7_061003A** SeqNo: **963179** Prep Date: **10/3/2006** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	295.9	50	250	0	118	75-125		0		
>nC12 to nC28	301.3	50	250	0	121	75-125		0		
Surr: 2-Fluorobiphenyl	*56.84*	0	*50*	0	*114*	*70-130*		0		
Surr: Trifluoromethyl benzene	*63.09*	0	*50*	0	*126*	*70-130*		0		

LCSD Sample ID: **FLCSDS5-061003** Units: **mg/Kg** Analysis Date: **10/03/06 17:23**

Client ID: Run ID: **FID-7_061003A** SeqNo: **963180** Prep Date: **10/3/2006** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	291.1	50	250	0	116	75-125	295.9	1.63	20	
>nC12 to nC28	309.5	50	250	0	124	75-125	301.3	2.67	20	
Surr: 2-Fluorobiphenyl	*58.06*	0	*50*	0	*116*	*70-130*	56.84	*2.12*	*20*	
Surr: Trifluoromethyl benzene	*64.07*	0	*50*	0	*128*	*70-130*	63.09	*1.53*	*20*	

MS Sample ID: **0609369-05BMS** Units: **mg/Kg** Analysis Date: **10/03/06 18:55**

Client ID: **TMW-4 (24-25)** Run ID: **FID-7_061003A** SeqNo: **963182** Prep Date: **10/3/2006** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	509.5	50	250	171.5	135	75-125		0		S
>nC12 to nC28	372.6	50	250	76.51	118	75-125		0		
Surr: 2-Fluorobiphenyl	*54.27*	0	*50*	0	*109*	*70-130*		0		
Surr: Trifluoromethyl benzene	*61.33*	0	*50*	0	*123*	*70-130*		0		

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: Terracon Consulting Engineers & Scientists
Work Order: 0609369
Project: 92067692/N. Gillette

QC BATCH REPORT

Batch ID: **20105** Instrument ID **FID-7** Method: **TX1005**

MSD Sample ID: **0609369-05BMSD** Units: **mg/Kg** Analysis Date: **10/03/06 19:41**

Client ID: **TMW-4 (24-25)** Run ID: **FID-7_061003A** SeqNo: **963183** Prep Date: **10/3/2006** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	526.7	50	250	171.5	142	75-125	509.5	3.31	20	S
>nC12 to nC28	391.7	50	250	76.51	126	75-125	372.6	4.99	20	S
Surr: 2-Fluorobiphenyl	*55.65*	0	*50*	0	*111*	*70-130*	54.27	*2.51*	*20*	
Surr: Trifluoromethyl benzene	*62.62*	0	*50*	0	*125*	*70-130*	61.33	*2.07*	*20*	

The following samples were analyzed in this batch: 0609369-05B

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: Terracon Consulting Engineers & Scientists
Work Order: 0609369
Project: 92067692/N. Gillette

QC BATCH REPORT

Batch ID: **19990** Instrument ID **Mercury** Method: **SW7471A**

MBLK Sample ID: **GBLKS2-092606** Units: **µg/Kg** Analysis Date: **09/26/06 18:56**
Client ID: Run ID: **MERCURY_060926D** SeqNo: **957898** Prep Date: **9/26/2006** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	13								

LCS Sample ID: **GLCSS2-092606** Units: **µg/Kg** Analysis Date: **09/26/06 18:58**
Client ID: Run ID: **MERCURY_060926D** SeqNo: **957899** Prep Date: **9/26/2006** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	361.3	13	333.3	0	108	85-115		0		

LCSD Sample ID: **GLCSDS2-092606** Units: **µg/Kg** Analysis Date: **09/26/06 19:00**
Client ID: Run ID: **MERCURY_060926D** SeqNo: **957900** Prep Date: **9/26/2006** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	361.3	13	333.3	0	108	85-115	361.3	0	20	

MS Sample ID: **0609272-05AMS** Units: **µg/Kg** Analysis Date: **09/26/06 19:08**
Client ID: Run ID: **MERCURY_060926D** SeqNo: **957903** Prep Date: **9/26/2006** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	363.1	13	323.6	24.96	104	85-115		0		

MSD Sample ID: **0609272-05AMSD** Units: **µg/Kg** Analysis Date: **09/26/06 19:10**
Client ID: Run ID: **MERCURY_060926D** SeqNo: **957904** Prep Date: **9/26/2006** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	362.4	13	324.1	24.96	104	85-115	363.1	0.195	20	

DUP Sample ID: **0609272-05ADUP** Units: **µg/Kg** Analysis Date: **09/26/06 19:06**
Client ID: Run ID: **MERCURY_060926D** SeqNo: **957902** Prep Date: **9/26/2006** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	25.67	13	0	0	0		24.96	2.8	20	

The following samples were analyzed in this batch:

0609369-01A	0609369-02A	0609369-03A
0609369-04A	0609369-05B	

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: Terracon Consulting Engineers & Scientists
Work Order: 0609369
Project: 92067692/N. Gillette

QC BATCH REPORT

Batch ID: **19993** Instrument ID **ICP7500** Method: **SW6020**

MBLK Sample ID: **MBLKS1-092606** Units: **mg/Kg** Analysis Date: **09/26/06 20:20**

Client ID: Run ID: **ICP7500_060926A** SeqNo: **958113** Prep Date: **9/26/2006** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.50								
Barium	U	0.50								
Cadmium	U	0.50								
Chromium	0.0854	0.50								J
Lead	U	0.50								
Selenium	U	0.50								
Silver	U	0.50								

LCS Sample ID: **MLCSS1-092606** Units: **mg/Kg** Analysis Date: **09/26/06 20:44**

Client ID: Run ID: **ICP7500_060926A** SeqNo: **958116** Prep Date: **9/26/2006** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	9.644	0.50	10	0	96.4	80-120		0		
Barium	10.31	0.50	10	0	103	80-120		0		
Cadmium	10.11	0.50	10	0	101	80-120		0		
Chromium	10.79	0.50	10	0	108	80-120		0		
Lead	10.66	0.50	10	0	107	80-120		0		
Selenium	9.735	0.50	10	0	97.4	80-120		0		
Silver	10.75	0.50	10	0	108	80-120		0		

MS Sample ID: **0609223-02CMS** Units: **mg/Kg** Analysis Date: **09/26/06 22:13**

Client ID: Run ID: **ICP7500_060926A** SeqNo: **958124** Prep Date: **9/26/2006** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	11.68	0.50	10	3.559	81.2	75-125		0		
Barium	119.2	0.50	10	77.26	419	75-125		0		SO
Cadmium	8.338	0.50	10	0.1366	82	75-125		0		
Chromium	14.36	0.50	10	5.513	88.5	75-125		0		
Selenium	8.351	0.50	10	0.7214	76.3	75-125		0		
Silver	8.209	0.50	10	-0.03872	82.5	75-125		0		

MS Sample ID: **0609223-02CMS** Units: **mg/Kg** Analysis Date: **09/27/06 16:08**

Client ID: Run ID: **ICP7500_060927A** SeqNo: **958699** Prep Date: **9/26/2006** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Lead	16.15	0.50	10	6.126	100	75-125		0		

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J - Analyte detected below quantitation limits
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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: Terracon Consulting Engineers & Scientists
Work Order: 0609369
Project: 92067692/N. Gillette

QC BATCH REPORT

Batch ID: **19993** Instrument ID **ICP7500** Method: **SW6020**

MSD Sample ID: **0609223-02CMSD** Units: **mg/Kg** Analysis Date: **09/26/06 22:24**

Client ID: Run ID: **ICP7500_060926A** SeqNo: **958125** Prep Date: **9/26/2006** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	11.1	0.50	10	3.559	75.4	75-125	11.68	5.09	25	
Barium	65.85	0.50	10	77.26	-114	75-125	119.2	57.7	25	SRO
Cadmium	7.978	0.50	10	0.1366	78.4	75-125	8.338	4.41	25	
Chromium	13.55	0.50	10	5.513	80.4	75-125	14.36	5.8	25	
Selenium	8.124	0.50	10	0.7214	74	75-125	8.351	2.76	25	S
Silver	7.773	0.50	10	-0.03872	78.1	75-125	8.209	5.46	25	

MSD Sample ID: **0609223-02CMSD** Units: **mg/Kg** Analysis Date: **09/27/06 16:14**

Client ID: Run ID: **ICP7500_060927A** SeqNo: **958700** Prep Date: **9/26/2006** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Lead	15.22	0.50	10	6.126	90.9	75-125	16.15	5.93	25	

DUP Sample ID: **0609223-02CDUP** Units: **mg/Kg** Analysis Date: **09/26/06 22:07**

Client ID: Run ID: **ICP7500_060926A** SeqNo: **958123** Prep Date: **9/26/2006** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	3.553	0.50	0	0	0	0-0	3.559	0.169	25	
Barium	84.42	0.50	0	0	0	0-0	77.26	8.86	25	
Cadmium	0.1325	0.50	0	0	0	0-0	0.1366	0	25	J
Chromium	5.628	0.50	0	0	0	0-0	5.513	2.06	25	
Selenium	0.6896	0.50	0	0	0	0-0	0.7214	4.51	25	
Silver	U	0.50	0	0	0	0-0	-0.03872	0	25	

DUP Sample ID: **0609223-02CDUP** Units: **mg/Kg** Analysis Date: **09/27/06 16:02**

Client ID: Run ID: **ICP7500_060927A** SeqNo: **958698** Prep Date: **9/26/2006** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Lead	6.061	0.50	0	0	0	0-0	6.126	1.07	25	

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: Terracon Consulting Engineers & Scientists
Work Order: 0609369
Project: 92067692/N. Gillette

QC BATCH REPORT

Batch ID: **19993** Instrument ID **ICP7500** Method: **SW6020**

PDS Sample ID: **0609223-02CBS** Units: **mg/Kg** Analysis Date: **09/26/06 22:30**
Client ID: Run ID: **ICP7500_060926A** SeqNo: **958126** Prep Date: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	13.34	0.50	10	3.559	97.8	75-125	0			
Barium	88.58	0.50	10	77.26	113	75-125	0			O
Cadmium	9.852	0.50	10	0.1366	97.2	75-125	0			
Chromium	15.74	0.50	10	5.513	102	75-125	0			
Selenium	10.24	0.50	10	0.7214	95.2	75-125	0			
Silver	7.124	0.50	10	-0.03872	71.6	75-125	0			S

PDS Sample ID: **0609223-02CBS** Units: **mg/Kg** Analysis Date: **09/27/06 16:37**
Client ID: Run ID: **ICP7500_060927A** SeqNo: **958703** Prep Date: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Lead	17.6	0.50	10	6.126	115	75-125	0			

SD Sample ID: **0609223-02C DIL** Units: **mg/Kg** Analysis Date: **09/26/06 22:36**
Client ID: Run ID: **ICP7500_060926A** SeqNo: **958127** Prep Date: DF: **5**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	3.775	2.5	0	0	0	0-0	3.559	6.07	10	
Barium	78.55	2.5	0	0	0	0-0	77.26	1.67	10	
Cadmium	0.208	2.5	0	0	0	0-0	0.1366	0	10	J
Chromium	5.645	2.5	0	0	0	0-0	5.513	2.39	10	
Selenium	U	2.5	0	0	0	0-0	0.7214	0	10	
Silver	U	2.5	0	0	0	0-0	-0.03872	0	10	

SD Sample ID: **0609223-02C DIL** Units: **mg/Kg** Analysis Date: **09/27/06 16:43**
Client ID: Run ID: **ICP7500_060927A** SeqNo: **958704** Prep Date: DF: **5**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Lead	5.665	2.5	0	0	0	0-0	6.126	7.53	10	

The following samples were analyzed in this batch:

0609369-01A	0609369-02A	0609369-03A
0609369-04A	0609369-05B	

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: Terracon Consulting Engineers & Scientists
Work Order: 0609369
Project: 92067692/N. Gillette

QC BATCH REPORT

Batch ID: **R42340** Instrument ID **VOA5** Method: **SW8260**

MBLK Sample ID: **VBLKS-100406** Units: **µg/Kg** Analysis Date: **10/04/06 10:42**

Client ID: Run ID: **VOA5_061004A** SeqNo: **963048** Prep Date: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	U	5.0								
1,1,2,2-Tetrachloroethane	U	5.0								
1,1,2-Trichloroethane	U	5.0								
1,1-Dichloroethane	U	5.0								
1,1-Dichloroethene	U	5.0								
1,2-Dichloroethane	U	5.0								
1,2-Dichloropropane	U	5.0								
2-Butanone	U	10								
2-Hexanone	U	10								
4-Methyl-2-pentanone	1.253	10								J
Acetone	U	20								
Benzene	U	5.0								
Bromodichloromethane	U	5.0								
Bromoform	U	5.0								
Bromomethane	U	10								
Carbon disulfide	U	10								
Carbon tetrachloride	U	5.0								
Chlorobenzene	U	5.0								
Chloroethane	U	10								
Chloroform	U	5.0								
Chloromethane	U	10								
cis-1,2-Dichloroethene	U	5.0								
cis-1,3-Dichloropropene	U	5.0								
Dibromochloromethane	U	5.0								
m,p-Xylene	U	10								
Methyl tert-butyl ether	U	5.0								
Methylene chloride	U	10								
o-Xylene	U	5.0								
sec-Butylbenzene	U	5.0								
Styrene	U	5.0								
Tetrachloroethene	U	5.0								
Toluene	U	5.0								
trans-1,2-Dichloroethene	U	5.0								
trans-1,3-Dichloropropene	U	5.0								
Trichloroethene	U	5.0								
Vinyl chloride	U	2.0								
Xylenes, Total	U	15								
Surr: 1,2-Dichloroethane-d4	*54.54*	0	*50*	0	*109*	*70-128*		0		
Surr: 4-Bromofluorobenzene	*50.98*	0	*50*	0	*102*	*73-126*		0		
Surr: Dibromofluoromethane	*56.44*	0	*50*	0	*113*	*71-128*		0		

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: Terracon Consulting Engineers & Scientists
Work Order: 0609369
Project: 92067692/N. Gillette

QC BATCH REPORT

Batch ID: **R42340** Instrument ID **VOA5** Method: **SW8260**

Surr: Toluene-d8	*54.73*	0	*50*	0	*109*	*73-127*	0

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: Terracon Consulting Engineers & Scientists
Work Order: 0609369
Project: 92067692/N. Gillette

QC BATCH REPORT

Batch ID: **R42340** Instrument ID **VOA5** Method: **SW8260**

LCS Sample ID: **VLCSS-100406** Units: **µg/Kg** Analysis Date: **10/04/06 9:55**

Client ID: Run ID: **VOA5_061004A** SeqNo: **963047** Prep Date: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	52.28	5.0	50	0	105	75.6-123		0		
1,1,2,2-Tetrachloroethane	48.84	5.0	50	0	97.7	75.1-120		0		
1,1,2-Trichloroethane	47.83	5.0	50	0	95.7	72.8-120		0		
1,1-Dichloroethane	50.01	5.0	50	0	100	75.3-121		0		
1,1-Dichloroethene	47.89	5.0	50	0	95.8	78-120		0		
1,2-Dichloroethane	49.4	5.0	50	0	98.8	70.6-128		0		
1,2-Dichloropropane	50.9	5.0	50	0	102	79.4-120		0		
2-Butanone	89.96	10	100	0	90	54.8-130		0		
2-Hexanone	92.26	10	100	0	92.3	58.1-127		0		
4-Methyl-2-pentanone	96.97	10	100	0	97	67.6-120		0		
Acetone	79.26	20	100	0	79.3	53.4-132		0		
Benzene	50.45	5.0	50	0	101	80-121		0		
Bromodichloromethane	50.53	5.0	50	0	101	73.5-120		0		
Bromoform	46.06	5.0	50	0	92.1	76.9-120		0		
Bromomethane	46.12	10	50	0	92.2	58.9-132		0		
Carbon disulfide	101.2	10	100	0	101	75.6-121		0		
Carbon tetrachloride	50.92	5.0	50	0	102	71.8-130		0		
Chlorobenzene	49.48	5.0	50	0	99	80-120		0		
Chloroethane	49.6	10	50	0	99.2	62.5-135		0		
Chloroform	50.68	5.0	50	0	101	74.5-120		0		
Chloromethane	47.46	10	50	0	94.9	62.8-129		0		
cis-1,2-Dichloroethene	51.81	5.0	50	0	104	76.4-121		0		
cis-1,3-Dichloropropene	49.63	5.0	50	0	99.3	72.7-120		0		
Dibromochloromethane	49.82	5.0	50	0	99.6	71.5-120		0		
m,p-Xylene	100.1	10	100	0	100	79.6-125		0		
Methyl tert-butyl ether	49.95	5.0	50	0	99.9	73.7-120		0		
Methylene chloride	48.37	10	50	0	96.7	61.4-120		0		
o-Xylene	48.83	5.0	50	0	97.7	79.4-122		0		
sec-Butylbenzene	52.68	5.0	50	0	105	78.5-120		0		
Styrene	51.27	5.0	50	0	103	79.6-123		0		
Tetrachloroethene	49.26	5.0	50	0	98.5	79.5-125		0		
Toluene	50.57	5.0	50	0	101	79.1-123		0		
trans-1,2-Dichloroethene	47.8	5.0	50	0	95.6	76.3-124		0		
trans-1,3-Dichloropropene	51	5.0	50	0	102	65-127		0		
Trichloroethene	49.13	5.0	50	0	98.3	77.1-121		0		
Vinyl chloride	49.74	2.0	50	0	99.5	66.1-129		0		
Xylenes, Total	148.9	15	150	0	99.3	79.4-125		0		
Surr: 1,2-Dichloroethane-d4	*50.39*	0	*50*	0	*101*	*70-128*		0		
Surr: 4-Bromofluorobenzene	*48.62*	0	*50*	0	*97.2*	*73-126*		0		
Surr: Dibromofluoromethane	*51.28*	0	*50*	0	*103*	*71-128*		0		

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: Terracon Consulting Engineers & Scientists
Work Order: 0609369
Project: 92067692/N. Gillette

QC BATCH REPORT

Batch ID: **R42340** Instrument ID **VOA5** Method: **SW8260**

Surr: Toluene-d8	*49.53*	0	*50*	0	*99.1*	*73-127*	0

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: Terracon Consulting Engineers & Scientists
Work Order: 0609369
Project: 92067692/N. Gillette

QC BATCH REPORT

Batch ID: **R42340** Instrument ID **VOA5** Method: **SW8260**

MS Sample ID: **0610016-07AMS** Units: **µg/Kg** Analysis Date: **10/04/06 14:25**

Client ID: Run ID: **VOA5_061004A** SeqNo: **964376** Prep Date: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	45.15	5.0	50	0	90.3	75.6-123		0		
1,1,2,2-Tetrachloroethane	43.19	5.0	50	0	86.4	75.1-120		0		
1,1,2-Trichloroethane	42.22	5.0	50	0	84.4	72.8-120		0		
1,1-Dichloroethane	43.07	5.0	50	0	86.1	75.3-121		0		
1,1-Dichloroethene	44.04	5.0	50	0	88.1	78-120		0		
1,2-Dichloroethane	41.01	5.0	50	0	82	70.6-128		0		
1,2-Dichloropropane	38.95	5.0	50	0	77.9	79.4-120		0		S
2-Butanone	111.3	10	100	0	111	54.8-130		0		
2-Hexanone	98.04	10	100	0	98	58.1-127		0		
4-Methyl-2-pentanone	100.5	10	100	0	101	67.6-120		0		
Acetone	116.6	20	100	6.201	110	53.4-132		0		
Benzene	42.36	5.0	50	0	84.7	80-121		0		
Bromodichloromethane	40.11	5.0	50	0	80.2	73.5-120		0		
Bromoform	39	5.0	50	0	78	76.9-120		0		
Bromomethane	42.71	10	50	0	85.4	58.9-132		0		
Carbon disulfide	90.51	10	100	0	90.5	75.6-121		0		
Carbon tetrachloride	42.71	5.0	50	0	85.4	71.8-130		0		
Chlorobenzene	40.63	5.0	50	0	81.3	80-120		0		
Chloroethane	44.75	10	50	0	89.5	62.5-135		0		
Chloroform	42.36	5.0	50	0	84.7	74.5-120		0		
Chloromethane	44.54	10	50	0	89.1	62.8-129		0		
cis-1,2-Dichloroethene	42.52	5.0	50	0	85	76.4-121		0		
cis-1,3-Dichloropropene	40.73	5.0	50	0	81.5	72.7-120		0		
Dibromochloromethane	41.26	5.0	50	0	82.5	71.5-120		0		
m,p-Xylene	79.61	10	100	0	79.6	79.6-125		0		
Methyl tert-butyl ether	43	5.0	50	0	86	73.7-120		0		
Methylene chloride	48.17	10	50	5.961	84.4	61.4-120		0		
o-Xylene	38.86	5.0	50	0	77.7	79.4-122		0		S
sec-Butylbenzene	37.94	5.0	50	0	75.9	78.5-120		0		S
Styrene	41.2	5.0	50	0	82.4	79.6-123		0		
Tetrachloroethene	41.12	5.0	50	0	82.2	79.5-125		0		
Toluene	41.35	5.0	50	0	82.7	79.1-123		0		
trans-1,2-Dichloroethene	44	5.0	50	0	88	76.3-124		0		
trans-1,3-Dichloropropene	39.58	5.0	50	0	79.2	65-127		0		
Trichloroethene	40.92	5.0	50	0	81.8	77.1-121		0		
Vinyl chloride	44.14	2.0	50	0	88.3	66.1-129		0		
Xylenes, Total	118.5	15	150	0	79	79.4-125		0		S
Surr: 1,2-Dichloroethane-d4	*55.28*	0	*50*	0	*111*	*70-128*		0		
Surr: 4-Bromofluorobenzene	*47.75*	0	*50*	0	*95.5*	*73-126*		0		
Surr: Dibromofluoromethane	*51.93*	0	*50*	0	*104*	*71-128*		0		

ND - Not Detected at the Reporting Limit
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in assoc. Method Blank
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
U - Analyzed for but not detected
O - Referenced analyte value is > 4 times amount spiked
P - Dual Column results percent difference > 40%
E - Value above quantitation range

CLIENT: Terracon Consulting Engineers & Scientists
Work Order: 0609369
Project: 92067692/N. Gillette

QC BATCH REPORT

Batch ID: **R42340** Instrument ID **VOA5** Method: **SW8260**

Surr: Toluene-d8	*49.42*	0	*50*	0	*98.8*	*73-127*	0

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: Terracon Consulting Engineers & Scientists
Work Order: 0609369
Project: 92067692/N. Gillette

QC BATCH REPORT

Batch ID: **R42340** Instrument ID **VOA5** Method: **SW8260**

MSD Sample ID: **0610016-07AMSD** Units: **µg/Kg** Analysis Date: **10/04/06 15:00**

Client ID: Run ID: **VOA5_061004A** SeqNo: **964377** Prep Date: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	49.68	5.0	50	0	99.4	75.6-123	45.15	9.56	30	
1,1,2,2-Tetrachloroethane	46.92	5.0	50	0	93.8	75.1-120	43.19	8.28	30	
1,1,2-Trichloroethane	45.06	5.0	50	0	90.1	72.8-120	42.22	6.51	30	
1,1-Dichloroethane	45.9	5.0	50	0	91.8	75.3-121	43.07	6.37	30	
1,1-Dichloroethene	46.37	5.0	50	0	92.7	78-120	44.04	5.14	30	
1,2-Dichloroethane	44.05	5.0	50	0	88.1	70.6-128	41.01	7.14	30	
1,2-Dichloropropane	42.94	5.0	50	0	85.9	79.4-120	38.95	9.74	30	
2-Butanone	103.2	10	100	0	103	54.8-130	111.3	7.53	30	
2-Hexanone	101	10	100	0	101	58.1-127	98.04	2.97	30	
4-Methyl-2-pentanone	102.7	10	100	0	103	67.6-120	100.5	2.18	30	
Acetone	111.5	20	100	6.201	105	53.4-132	116.6	4.44	30	
Benzene	45.86	5.0	50	0	91.7	80-121	42.36	7.92	30	
Bromodichloromethane	44.73	5.0	50	0	89.5	73.5-120	40.11	10.9	30	
Bromoform	43.83	5.0	50	0	87.7	76.9-120	39	11.7	30	
Bromomethane	46.12	10	50	0	92.2	58.9-132	42.71	7.68	30	
Carbon disulfide	95.24	10	100	0	95.2	75.6-121	90.51	5.09	30	
Carbon tetrachloride	43.9	5.0	50	0	87.8	71.8-130	42.71	2.75	30	
Chlorobenzene	45.13	5.0	50	0	90.3	80-120	40.63	10.5	30	
Chloroethane	46.03	10	50	0	92.1	62.5-135	44.75	2.8	30	
Chloroform	45.75	5.0	50	0	91.5	74.5-120	42.36	7.7	30	
Chloromethane	48.24	10	50	0	96.5	62.8-129	44.54	7.97	30	
cis-1,2-Dichloroethene	46.43	5.0	50	0	92.9	76.4-121	42.52	8.78	30	
cis-1,3-Dichloropropene	45.85	5.0	50	0	91.7	72.7-120	40.73	11.8	30	
Dibromochloromethane	45.16	5.0	50	0	90.3	71.5-120	41.26	9.04	30	
m,p-Xylene	88.67	10	100	0	88.7	79.6-125	79.61	10.8	30	
Methyl tert-butyl ether	47.1	5.0	50	0	94.2	73.7-120	43	9.1	30	
Methylene chloride	52.37	10	50	5.961	92.8	61.4-120	48.17	8.34	30	
o-Xylene	42.84	5.0	50	0	85.7	79.4-122	38.86	9.74	30	
sec-Butylbenzene	45.64	5.0	50	0	91.3	78.5-120	37.94	18.4	30	
Styrene	44.23	5.0	50	0	88.5	79.6-123	41.2	7.08	30	
Tetrachloroethene	44.05	5.0	50	0	88.1	79.5-125	41.12	6.87	30	
Toluene	44.74	5.0	50	0	89.5	79.1-123	41.35	7.87	30	
trans-1,2-Dichloroethene	46.94	5.0	50	0	93.9	76.3-124	44	6.46	30	
trans-1,3-Dichloropropene	43.5	5.0	50	0	87	65-127	39.58	9.45	30	
Trichloroethene	45.06	5.0	50	0	90.1	77.1-121	40.92	9.62	30	
Vinyl chloride	49.72	2.0	50	0	99.4	66.1-129	44.14	11.9	30	
Xylenes, Total	131.5	15	150	0	87.7	79.4-125	118.5	10.4	30	
Surr: 1,2-Dichloroethane-d4	*56.06*	0	*50*	0	*112*	*70-128*	55.28	*1.4*	*30*	
Surr: 4-Bromofluorobenzene	*48.69*	0	*50*	0	*97.4*	*73-126*	47.75	*1.95*	*30*	
Surr: Dibromofluoromethane	*52.82*	0	*50*	0	*106*	*71-128*	51.93	*1.7*	*30*	

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: Terracon Consulting Engineers & Scientists
Work Order: 0609369
Project: 92067692/N. Gillette

QC BATCH REPORT

Batch ID: **R42340** Instrument ID **VOA5** Method: **SW8260**

Surr: Toluene-d8	*50.68*	0	*50*	0	*101*	*73-127*	49.42	*2.51*	*30*

The following samples were analyzed in this batch: 0609369-05A

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: Terracon Consulting Engineers & Scientists
Work Order: 0609369
Project: 92067692/N. Gillette

QC BATCH REPORT

Batch ID: **R42426** Instrument ID **VOA4** Method: **SW8260**

MBLK Sample ID: **VMBLK-100406** Units: **µg/Kg** Analysis Date: **10/04/06 11:36**

Client ID: Run ID: **VOA4_061004B** SeqNo: **964313** Prep Date: DF: **125**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2,4-Trimethylbenzene	U	620								
1,3,5-Trimethylbenzene	U	620								
Ethylbenzene	U	620								
n-Butylbenzene	U	620								
Naphthalene	U	620								
Surr: 1,2-Dichloroethane-d4	*5248*	0	*6250*	0	*84*	*70-128*		0		
Surr: 4-Bromofluorobenzene	*5711*	0	*6250*	0	*91.4*	*73-126*		0		
Surr: Dibromofluoromethane	*5834*	0	*6250*	0	*93.3*	*71-128*		0		
Surr: Toluene-d8	*5757*	0	*6250*	0	*92.1*	*73-127*		0		

LCS Sample ID: **VLCSW-100406** Units: **µg/L** Analysis Date: **10/04/06 10:30**

Client ID: Run ID: **VOA4_061004B** SeqNo: **964312** Prep Date: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2,4-Trimethylbenzene	46.27	5.0	50	0	92.5	80-120		0		
1,3,5-Trimethylbenzene	46.71	5.0	50	0	93.4	80-120		0		
Ethylbenzene	44.89	5.0	50	0	89.8	80-120		0		
n-Butylbenzene	46.61	5.0	50	0	93.2	80-120		0		
Naphthalene	43.33	5.0	50	0	86.7	71.4-124		0		
Surr: 1,2-Dichloroethane-d4	*40.8*	5.0	*50*	0	*81.6*	*70-125*		0		
Surr: 4-Bromofluorobenzene	*44.97*	5.0	*50*	0	*89.9*	*72.4-125*		0		
Surr: Dibromofluoromethane	*50.77*	5.0	*50*	0	*102*	*71.2-125*		0		
Surr: Toluene-d8	*47.91*	5.0	*50*	0	*95.8*	*75-125*		0		

MS Sample ID: **0609369-05AMS** Units: **µg/Kg** Analysis Date: **10/04/06 15:58**

Client ID: **TMW-4 (24-25)** Run ID: **VOA4_061004B** SeqNo: **964315** Prep Date: DF: **125**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2,4-Trimethylbenzene	32970	620	6250	21050	191	78.9-120		0		SE
1,3,5-Trimethylbenzene	14080	620	6250	7558	104	78.9-122		0		
Ethylbenzene	7446	620	6250	1434	96.2	79.9-122		0		
n-Butylbenzene	11360	620	6250	4221	114	78-124		0		
Naphthalene	18260	620	6250	10090	131	73.6-129		0		S
Surr: 1,2-Dichloroethane-d4	*5139*	0	*6250*	0	*82.2*	*70-128*		0		
Surr: 4-Bromofluorobenzene	*5945*	0	*6250*	0	*95.1*	*73-126*		0		
Surr: Dibromofluoromethane	*6270*	0	*6250*	0	*100*	*71-128*		0		
Surr: Toluene-d8	*5731*	0	*6250*	0	*91.7*	*73-127*		0		

ND - Not Detected at the Reporting Limit
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O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: Terracon Consulting Engineers & Scientists
Work Order: 0609369
Project: 92067692/N. Gillette

QC BATCH REPORT

Batch ID: **R42426** Instrument ID **VOA4** Method: **SW8260**

MSD Sample ID: **0609369-05AMSD** Units: **µg/Kg** Analysis Date: **10/04/06 16:19**

Client ID: **TMW-4 (24-25)** Run ID: **VOA4_061004B** SeqNo: **964316** Prep Date: DF: **125**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2,4-Trimethylbenzene	31550	620	6250	21050	168	78.9-120	32970	4.4	30	SE
1,3,5-Trimethylbenzene	13330	620	6250	7558	92.4	78.9-122	14080	5.5	30	
Ethylbenzene	7190	620	6250	1434	92.1	79.9-122	7446	3.49	30	
n-Butylbenzene	10770	620	6250	4221	105	78-124	11360	5.39	30	
Naphthalene	17940	620	6250	10090	126	73.6-129	18260	1.76	30	
Surr: 1,2-Dichloroethane-d4	*5162*	0	*6250*	0	*82.6*	*70-128*	5139	*0.455*	*30*	
Surr: 4-Bromofluorobenzene	*5906*	0	*6250*	0	*94.5*	*73-126*	5945	*0.648*	*30*	
Surr: Dibromofluoromethane	*6188*	0	*6250*	0	*99*	*71-128*	6270	*1.32*	*30*	
Surr: Toluene-d8	*5783*	0	*6250*	0	*92.5*	*73-127*	5731	*0.916*	*30*	

The following samples were analyzed in this batch: 0609369-05A

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: Terracon Consulting Engineers & Scientists
Work Order: 0609369
Project: 92067692/N. Gillette

QC BATCH REPORT

Batch ID: **R42037** Instrument ID **Balance1** Method: **E160.3**

DUP Sample ID: **0609299-01B-DUP** Units: **wt%** Analysis Date: **09/25/06 0:00**

Client ID: Run ID: **BALANCE1_060925C** SeqNo: **957178** Prep Date: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Percent Moisture	14.61	0.010	0	0	0	0-0	14.1	3.56	20	

DUP Sample ID: **0609367-03C-DUP** Units: **wt%** Analysis Date: **09/25/06 0:00**

Client ID: Run ID: **BALANCE1_060925C** SeqNo: **957193** Prep Date: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Percent Moisture	20.69	0.010	0	0	0	0-0	20.49	0.943	20	

The following samples were analyzed in this batch:

0609369-01A	0609369-02A	0609369-03A
0609369-04A	0609369-05B	

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

e-Lab ANALYTICAL
QUALITY • INTEGRITY • SERVICE

e-Lab Analytical, Inc.
10450 Stancliff Rd. #210
Houston, Texas 77099
(Tel) 281.530.5656
(Fax) 281.530.5887

Chain of Custody Form

Page 1 of 1

3352 128th Avenue
Holland, Michigan 49424
(Tel) 616.399.6070
(Fax) 616.399.6185

e-Lab Project Manager:

e-Lab Work Order #: 100359

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order	75385	Project Name	N. Gillette	A	VOC 8260
Work Order		Project Number	92067692	B	Total Metals RCRA 8
Company Name	HBC Terracon	Bill To Company	HBC Terracon	C	Moisture
Send Report To	Prasad Rajulu	Invoice Attn	Prasad Rajulu	D	
Address	11555 Clay Road Suite 100	Address	11555 Clay Road Suite 100	E	
City/State/Zip	Houston, TX 77043	City/State/Zip	Houston, TX 77043	F	
Phone	(713) 690-8989	Phone	(713) 690-8989	G	
Fax	(713) 690-8787	Fax	(713) 690-8787	H	
e-Mail Address		e-Mail Address		I	
				J	

#	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	TMW-3 (4-5)	9/23/2006	0735	Soil	ICE	1		X	X								
2	TMW-3 (6-7)	↓	0742	↓	↓	↓		X	X								
3	Dup-1							X	X								
4	TMW-4 (2-3)		1057			2		X									
5	TMW-4 (24-25)		1059					X									HOLD VOC
6	TMW-4 (39-40)		1102														HOLD
7																	
8																	
9																	
10																	

Sampler(s) Please Print & Sign

Shipment Method

Required Turnaround Time: (Check Box) ☐ Std 10 WK Days ☑ 5 WK Days ☐ 2 WK Days ☐ 24 Hour ☐ Other

Results Due Date:

Relinquished by: Date: 9/25/2006 Time: 0000 Received by:

Relinquished by: Date: Time: Received by (Laboratory): 9-25-06 0000

Logged by (Laboratory): Date: Time: Checked by (Laboratory):

Notes:

e-Lab Analytical Cooler ID	Cooler Temp.

QC Package: (Check One Box Below)
- ☐ Level II Std QC
- ☐ Level III Std QC/Raw Data
- ☐ Level IV SW846/CLP
- ☐ Other _____
- ☑ TRRP CheckList
- ☐ TRRP Level IV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-NaHSO$_4$ 7-Other 8-4°C 9-5035

Copyright 2004 by e-Lab Analytical, Inc.

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to e-Lab Analytical, Inc.
2. Unless otherwise agreed in a formal contract, services provided by e-Lab Analytical, Inc. are expressly limited to the terms and conditions stated on the reverse.

e-Lab Analytical, Inc.

Sample Receipt Checklist

Client Name TERRACON

Date/Time Received: 9/25/2006 8:00:00 AM

Work Order Number 0609369

Received by: RSZ

Checklist completed by [signature] 9/25/06 (Signature, Date)

Reviewed by [initials] 9/25/06 (Initials, Date)

Matrix: S

Carrier name Client

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	3.0c	.002	
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑

Adjusted? _____ Checked by _____

Login Notes: Trip Blank logged in without analysis.

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

W.O.# 060936

e-Lab Analytical, Inc.
10450 Stancliff Rd., Suite 210
Houston, Texas 77099
Tel. 281.530.5656
Fax. 218.530.5887

QUALITY • INTEGRITY • SERVICE

CUSTODY SEAL

Date: _____ Time: _____

Name: _____

Company: _____

Seal Broken By: R

Date: 9.25.06

WATER

e-Lab Analytical, Inc.

10450 Stancliff Rd, Suite 210 Houston, Texas 77099-4338 (281) 530-5656 Fax (281) 530-5887

October 05, 2006

Prasad Rajulu
Terracon Consulting Engineers & Scientists
11555 Clay Road
Suite 100
Houston, TX 77043

Tel: (713) 690-8989
Fax: (713) 690-8787

Re: 9206792/N. Gillette

Work Order : **0609422**

Dear Prasad Rajulu,

e-Lab Analytical, Inc. received 10 samples on 9/27/2006 4:20:00 PM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by e-Lab Analytical, Inc. and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by e-Lab Analytical, Inc. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 55.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Jeffrey L Croston

Electronically approved by: Odette E. Elliston

Jeffrey L Croston
Project Manager

Certificate No: T104704231-06-TX

e-Lab Analytical, Inc. **Date:** *October 05, 2006*

CLIENT:	Terracon Consulting Engineers & Scientists	**TRRP Laboratory Data Package Cover Page**
Project:	9206792/N. Gillette	
Work Order:	0609422	

This data package consists of all or some of the following as applicable:

This signature page, the laboratory review checklist, and the following reportable data:

R1 Field chain-of-custody documentation:

R2 Sample identification cross-reference

R3 Test reports (analytical data sheets) for each environmental sample that includes:
- a) Items consistent with NELAC 5.13 or ISO/IEC 17025 Section 5.10
- b) dilution factors,
- c) preparation methods,
- d) cleanup methods, and
- e) if required for the project, tentatively identified compounds (TICs).

R4 Surrogate recovery data including:
- a) Calculated recovery (%R), and
- b) The laboratory's surrogate QC limits.

R5 Test reports/summary forms for blank samples;

R6 Test reports/summary forms for laboratory control samples (LCSs) including:
- a) LCS spiking amounts,
- b) Calculated %R for each analyte, and
- c)The laboratory's LCS QC limits.

R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
- a) Samples associated with the MS/MSD clearly identified,
- b) MS/MSD spiking amounts,
- c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
- d) Calculated %Rs and relative percent differences (RPDs), and
- e) The laboratory's MS/MSD QC limits

R8 Laboratory analytical duplicate (if applicable) recovery and precision:
- a) the amount of analyte measured in the duplicate,
- b) the calculated RPD, and
- c) the laboratory's QC limits for analytical duplicates.

R9 List of method quantitation limits (MQLs) for each analyte for each method and matrix;?

R10 Other problems or anomalies.

The Exception Report for every "No" or "Not Reviewed (NR)" item in laboratory review checklist.

Release Statement: I am responsible for the release of this laboratory data package. This data package has been reviewed by the laboratory and is complete and technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory as having the potential to affect the quality of the data, have been identified by the laboratory in the Laboratory Review Checklist, and no information or data have been knowingly withheld that would affect the quality of the data.

Check, if applicable: [NA] This laboratory is an in-house laboratory controlled by the person responding to rule. The official signing the cover page of the rule-required report (for example, the APAR) in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.

Jeffrey L Croston

Jeffrey L Croston

Project Manager

Laboratory Review Checklist: Reportable Data

Laboratory Name: e-Lab Analytical, Inc.	LRC Date: 10/04/2006
Project Name:N. Gillette	Laboratory Job Number: 0609422
Reviewer Name: Jeff Croston	Prep Batch Number(s): 20060, 20075, R42183 ,R42319 and R42384

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
R1	OI	**CHAIN-OF-CUSTODY (C-O-C)**					
		1) Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		2) Were all departures from standard conditions described in an exception report?	X				
R2	OI	**SAMPLE AND QUALITY CONTROL (QC) IDENTIFICATION**					
		1) Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		2) Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**TEST REPORTS**					
		1) Were all samples prepared and analyzed within holding times?	X				
		2) Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		3) Were calculations checked by a peer or supervisor?	X				
		4) Were all analyte identifications checked by a peer or supervisor?	X				
		5) Were sample quantitation limits reported for all analytes not detected?	X				
		6) Were all results for soil and sediment samples reported on a dry weight basis?			X		
		7) Was % moisture (or solids) reported for all soil and sediment samples?			X		
		8) If required for the project, TICs reported?			X		
R4	O	**SURROGATE RECOVERY DATA**					
		1) Were surrogates added prior to extraction?	X				
		2) Were surrogate percent recoveries in all samples within the laboratory QC limits?	X				
R5	OI	**TEST REPORTS/SUMMMARY FORMS FOR BLANK SAMPLES**					
		1) Were appropriate type(s) of blanks analyzed?	X				
		2) Were blanks analyzed at the appropriate frequency?	X				
		3) Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		4) Were blank concentrations < MQL?	X				
R6	OI	**LABORATORY CONTROL SAMPLES (LCS):**					
		1) Were all COCs included in the LCS?	X				
		2) Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		3) Were LCSs analyzed at the required frequency?	X				
		4) Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		5) Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SQLs?	X				
		6) Was the LCSD RPD within QC limits?	X				
R7	OI	**MATRIX SPIKE (MS) AND MATRIX SPIKE DUPLICATE (MSD) DATA**					
		1) Were the project/method specified analytes included in the MS and MSD?	X				
		2) Were MS/MSD analyzed at the appropriate frequency?	X				
		3) Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?		X			1
		4) Were MS/MSD RPDs within laboratory QC limits?		X			2
R8	OI	**ANALYTICAL DUPLICATE DATA**					
		1) Were appropriate analytical duplicates analyzed for each matrix?	X				
		2) Were analytical duplicates analyzed at the appropriate frequency?	X				
		3) Were RPDs or relative standard deviations within the laboratory QC limits?	X				
R9	OI	**METHOD QUANTITATION LIMITS (MQLS):**					
		1) Are the MQLs for each method analyte listed and included in the laboratory data package?	X				
		2) Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		3) Are unadjusted MQLs included in the laboratory data package?	X				
R10	OI	**OTHER PROBLEMS/ANOMALIES**					
		1) Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		2) Were all necessary corrective actions performed for the reported data?	X				
		3) If requested, is the justification for elevated SQLs documented?	X				

1 Items identified by the letter "R" should be included in the laboratory data package submitted in o the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3 NA = Not applicable;
4 NR = Not Reviewed;
5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Supporting Data

Laboratory Name: e-Lab Analytical, Inc.	LRC Date: 10/04/2006
Project Name:N. Gillette	Laboratory Job Number: 0609422
Reviewer Name: Jeff Croston	Prep Batch Number(s): 20060, 20075, R42183 ,R42319 and R42384

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**INITIAL CALIBRATION (ICAL)**					
		1) Were response factors (RFs) and/or relative response factors (RRFs) for each analyte within the QC limits?	X				
		2) Were percent RSDs or correlation coefficient criteria met?	X				
		3) Was the number of standards recommended in the method used for all analytes?	X				
		4) Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		5) Are ICAL data available for all instruments used?	X				
		6) Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**INITIAL AND CONTINUING CALIBRATION VERIFICATION (ICCV AND CCV) AND**					
		1) Was the CCV analyzed at the method-required frequency?	X				
		2) Were percent differences for each analyte within the method-required QC limits?	X				
		3) Was the ICAL curve verified for each analyte?	X				
		4) Was the absolute value of the analyte concentration in the inorganic CCB < MDL?			X		
S3	O	**MASS SPECTRAL TUNING:**					
		1) Was the appropriate compound for the method used for tuning?	X				
		2) Were ion abundance data within the method-required QC limits?	X				
S4	O	**INTERNAL STANDARDS (IS):**					
		Were IS area counts and retention times within the method-required QC limits?	X				
S5	OI	**RAW DATA (NELAC SECTION 1 APPENDIX A GLOSSARY, AND SECTION 5.12 OR**					
		1) Were the raw data (e.g., chromatograms, spectral data) reviewed by an analyst?	X				
		2) Were data associated with manual integrations flagged on the raw data?	X				
S6	O	**DUAL COLUMN CONFIRMATION**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**TENTATIVELY IDENTIFIED COMPOUNDS (TICS):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**INTERFERENCE CHECK SAMPLE (ICS) RESULTS:**					
		Were percent recoveries within method QC limits?	X				
S9	I	**SERIAL DILUTIONS, POST DIGESTION SPIKES, AND METHOD OF STANDARD**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?		X			3
S10	OI	**PROFICIENCY TEST REPORTS:**					
		Are proficiency testing or inter-laboratory comparison results on file?	X				
S11	OI	**METHOD DETECTION LIMIT (MDL) STUDIES**					
		1) Was a MDL study performed for each reported analyte?	X				
		2) Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S12	OI	**STANDARDS DOCUMENTATION**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**COMPOUND/ANALYTE IDENTIFICATION PROCEDURES**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**DEMONSTRATION OF ANALYST COMPETENCY (DOC)**					
		1) Was DOC conducted consistent with NELAC 5C or ISO/IEC 4.2.2?	X				
		2) Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**VERIFICATION/VALIDATION DOCUMENTATION FOR METHODS**					
		Are all the methods used to generate the data documented, verified, and validated, where applicable, (NELAC 5.10.2 or ISO/IEC 17025 Section 5.4.5)?	X				
S16	OI	**LABORATORY STANDARD OPERATING PROCEDURES (SOPS):**					
		Are laboratory SOPs current and on file for each method performed?	X				

1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
3 NA = Not applicable.
4 NR = Not Reviewed.
5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Exception Report	
Laboratory Name: e-Lab Analytical, Inc.	LRC Date: 10/04/2006
Project Name:N. Gillette	Laboratory Job Number: 0609422
Reviewer Name: Jeff Croston	Prep Batch Number(s): 20060, 20075, R42183 ,R42319 and R42384

ER #[1]	DESCRIPTION
1	Batch's R42183 and R42319 Volatiles MS/MSD were unrelated samples.
	Batch R42384 Volatiles (sample MW-22) MSD recoveries were below the control limits for MTBE (65.4%).
2	Batch R42384 Volatiles (sample MW-22) MS/MSD RPD recoveries were below the control limits for Bromomethane (20.8%).
3	Batch 20060 Metals PDS and Serial Dilution was an unrelated sample.

1 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

e-Lab Analytical, Inc.

Date: *October 05, 2006*

CLIENT: Terracon Consulting Engineers & Scientists
Project: 9206792/N. Gillette
Work Order: **0609422**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
0609422-01	TMW-1	Water		9/27/2006 09:45	9/27/2006 16:20	☐
0609422-02	TMW-2	Water		9/27/2006 10:29	9/27/2006 16:20	☐
0609422-03	TMW-3	Water		9/27/2006 11:07	9/27/2006 16:20	☐
0609422-04	TMW-4	Water		9/27/2006 11:52	9/27/2006 16:20	☐
0609422-05	MW-12	Water		9/27/2006 12:38	9/27/2006 16:20	☐
0609422-06	Dup-1	Water		9/27/2006	9/27/2006 16:20	☐
0609422-07	MW-24	Water		9/27/2006 13:04	9/27/2006 16:20	☐
0609422-08	MW-22	Water		9/27/2006 13:48	9/27/2006 16:20	☐
0609422-09	MW-19	Water		9/27/2006 14:29	9/27/2006 16:20	☐
0609422-10	Trip Blank	Water		9/27/2006 14:29	9/27/2006 16:20	☑

e-Lab Analytical, Inc.

Date: *October 05, 2006*

CLIENT: Terracon Consulting Engineers & Scientists
Work Order: 0609422
Project: 9206792/N. Gillette
Lab ID: 0609422-01

Client Sample ID: TMW-1
Collection Date: 9/27/2006 9:45:00 AM
Matrix: WATER

Analyses	Result	Qual	SQL	MQL	Units	Dilution Factor	Date Analyzed
MERCURY, TOTAL			Method: **SW7470**		Prep: SW7470 / 10/2/06		Analyst: **JCJ**
Mercury	U		0.000042	0.000200	mg/L	1	10/2/2006
ICP METALS, TOTAL			Method: **SW6020**		Prep: SW3010A / 9/29/06		Analyst: **SA**
Arsenic	**0.0117**		**0.0018**	**0.00500**	**mg/L**	1	10/2/2006
Barium	**0.150**		**0.00060**	**0.00500**	**mg/L**	1	10/2/2006
Cadmium	**0.000411**	J	**0.00015**	**0.00100**	**mg/L**	1	10/2/2006
Chromium	**0.00720**		**0.00050**	**0.00200**	**mg/L**	1	10/2/2006
Lead	**0.0510**		**0.00020**	**0.00500**	**mg/L**	1	10/2/2006
Selenium	**0.00499**	J	**0.0017**	**0.00500**	**mg/L**	1	10/2/2006
Silver	U		0.00020	0.00500	mg/L	1	10/2/2006

Qualifiers:

U - Analyzed for but Not Detected
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
P - Dual Column results RPD > 40%
E - Value above quantitation range
H - Analyzed outside of Hold Time

e-Lab Analytical, Inc.

Date: *October 05, 2006*

CLIENT: Terracon Consulting Engineers & Scientists
Client Sample ID: TMW-2
Work Order: 0609422
Collection Date: 9/27/2006 10:29:00 AM
Project: 9206792/N. Gillette
Lab ID: 0609422-02
Matrix: WATER

Analyses	Result	Qual	SQL	MQL	Units	Dilution Factor	Date Analyzed
MERCURY, TOTAL			Method: **SW7470**		Prep: SW7470 / 10/2/06		Analyst: **JCJ**
Mercury	U		0.000042	0.000200	mg/L	1	10/2/2006
ICP METALS, TOTAL			Method: **SW6020**		Prep: SW3010A / 9/29/06		Analyst: **SA**
Arsenic	**0.00461**	J	**0.0018**	**0.00500**	**mg/L**	1	10/2/2006
Barium	**0.117**		**0.00060**	**0.00500**	**mg/L**	1	10/2/2006
Cadmium	U		0.00015	0.00100	mg/L	1	10/2/2006
Chromium	**0.00394**		**0.00050**	**0.00200**	**mg/L**	1	10/2/2006
Lead	**0.00369**	J	**0.00020**	**0.00500**	**mg/L**	1	10/2/2006
Selenium	**0.00505**		**0.0017**	**0.00500**	**mg/L**	1	10/2/2006
Silver	U		0.00020	0.00500	mg/L	1	10/2/2006

Qualifiers:

U - Analyzed for but Not Detected
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
P - Dual Column results RPD > 40%
E - Value above quantitation range
H - Analyzed outside of Hold Time

e-Lab Analytical, Inc.

Date: *October 05, 2006*

CLIENT: Terracon Consulting Engineers & Scientists
Work Order: 0609422
Project: 9206792/N. Gillette
Lab ID: 0609422-03

Client Sample ID: TMW-3
Collection Date: 9/27/2006 11:07:00 AM
Matrix: WATER

Analyses	Result	Qual	SQL	MQL	Units	Dilution Factor	Date Analyzed
MERCURY, TOTAL			Method: **SW7470**		Prep: SW7470 / 10/2/06		Analyst: **JCJ**
Mercury	U		0.000042	0.000200	mg/L	1	10/2/2006
ICP METALS, TOTAL			Method: **SW6020**		Prep: SW3010A / 9/29/06		Analyst: **SA**
Arsenic	**0.00692**		**0.0018**	**0.00500**	**mg/L**	1	10/2/2006
Barium	**0.118**		**0.00060**	**0.00500**	**mg/L**	1	10/2/2006
Cadmium	U		0.00015	0.00100	mg/L	1	10/2/2006
Chromium	**0.00460**		**0.00050**	**0.00200**	**mg/L**	1	10/2/2006
Lead	**0.00412**	J	**0.00020**	**0.00500**	**mg/L**	1	10/2/2006
Selenium	**0.0209**		**0.0017**	**0.00500**	**mg/L**	1	10/2/2006
Silver	U		0.00020	0.00500	mg/L	1	10/2/2006

Qualifiers:

U - Analyzed for but Not Detected
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
P - Dual Column results RPD > 40%
E - Value above quantitation range
H - Analyzed outside of Hold Time

e-Lab Analytical, Inc.

Date: *October 05, 2006*

CLIENT: Terracon Consulting Engineers & Scientists
Work Order: 0609422
Project: 9206792/N. Gillette
Lab ID: 0609422-04

Client Sample ID: TMW-4
Collection Date: 9/27/2006 11:52:00 AM
Matrix: WATER

Analyses	Result	Qual	SQL	MQL	Units	Dilution Factor	Date Analyzed
MERCURY, TOTAL		Method: **SW7470**			Prep: SW7470 / 10/2/06		Analyst: **JCJ**
Mercury	U		0.000042	0.000200	mg/L	1	10/2/2006
ICP METALS, TOTAL		Method: **SW6020**			Prep: SW3010A / 9/29/06		Analyst: **SA**
Arsenic	**0.00864**		**0.0018**	**0.00500**	**mg/L**	1	10/2/2006
Barium	**0.243**		**0.00060**	**0.00500**	**mg/L**	1	10/2/2006
Cadmium	U		0.00015	0.00100	mg/L	1	10/2/2006
Chromium	**0.00225**		**0.00050**	**0.00200**	**mg/L**	1	10/2/2006
Lead	**0.00116**	J	**0.00020**	**0.00500**	**mg/L**	1	10/2/2006
Selenium	U		0.0017	0.00500	mg/L	1	10/2/2006
Silver	U		0.00020	0.00500	mg/L	1	10/2/2006

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S - Spike Recovery outside accepted recovery limits
P - Dual Column results RPD > 40%
E - Value above quantitation range
H - Analyzed outside of Hold Time

e-Lab Analytical, Inc.

Date: *October 05, 2006*

CLIENT: Terracon Consulting Engineers & Scientists
Work Order: 0609422
Project: 9206792/N. Gillette
Lab ID: 0609422-05

Client Sample ID: MW-12
Collection Date: 9/27/2006 12:38:00 PM
Matrix: WATER

Analyses	Result	Qual	SQL	MQL	Units	Dilution Factor	Date Analyzed
MERCURY, TOTAL			Method: **SW7470**		Prep: SW7470 / 10/2/06		Analyst: **JCJ**
Mercury	U		0.000042	0.000200	mg/L	1	10/2/2006
ICP METALS, TOTAL			Method: **SW6020**		Prep: SW3010A / 9/29/06		Analyst: **SA**
Arsenic	**0.00698**		**0.0018**	**0.00500**	**mg/L**	1	10/2/2006
Barium	**0.0842**		**0.00060**	**0.00500**	**mg/L**	1	10/2/2006
Cadmium	U		0.00015	0.00100	mg/L	1	10/2/2006
Chromium	**0.00457**		**0.00050**	**0.00200**	**mg/L**	1	10/2/2006
Lead	**0.0553**		**0.00020**	**0.00500**	**mg/L**	1	10/2/2006
Selenium	**0.0134**		**0.0017**	**0.00500**	**mg/L**	1	10/2/2006
Silver	U		0.00020	0.00500	mg/L	1	10/2/2006
VOLATILES BY GC/MS			Method: **SW8260**				Analyst: **PC**
1,1,1-Trichloroethane	U		0.00060	0.0050	mg/L	1	9/28/2006
1,1,2,2-Tetrachloroethane	U		0.0015	0.0050	mg/L	1	9/28/2006
1,1,2-Trichloroethane	U		0.00050	0.0050	mg/L	1	9/28/2006
1,1-Dichloroethane	U		0.00050	0.0050	mg/L	1	9/28/2006
1,1-Dichloroethene	U		0.00060	0.0050	mg/L	1	9/28/2006
1,2,4-Trimethylbenzene	U		0.00060	0.0050	mg/L	1	9/28/2006
1,2-Dichloroethane	U		0.00050	0.0050	mg/L	1	9/28/2006
1,2-Dichloropropane	U		0.00070	0.0050	mg/L	1	9/28/2006
1,3,5-Trimethylbenzene	U		0.00070	0.0050	mg/L	1	9/28/2006
2-Butanone	U		0.00080	0.010	mg/L	1	9/28/2006
2-Hexanone	U		0.0025	0.010	mg/L	1	9/28/2006
4-Methyl-2-pentanone	U		0.0016	0.010	mg/L	1	9/28/2006
Acetone	U		0.0025	0.010	mg/L	1	9/28/2006
Benzene	U		0.00060	0.0050	mg/L	1	9/28/2006
Bromodichloromethane	U		0.00050	0.0050	mg/L	1	9/28/2006
Bromoform	U		0.00080	0.0050	mg/L	1	9/28/2006
Bromomethane	U		0.00050	0.0050	mg/L	1	9/28/2006
Carbon disulfide	U		0.00070	0.010	mg/L	1	9/28/2006
Carbon tetrachloride	U		0.00060	0.0050	mg/L	1	9/28/2006
Chlorobenzene	U		0.00050	0.0050	mg/L	1	9/28/2006
Chloroethane	U		0.00060	0.0050	mg/L	1	9/28/2006
Chloroform	U		0.00050	0.0050	mg/L	1	9/28/2006
Chloromethane	U		0.00050	0.0050	mg/L	1	9/28/2006
cis-1,2-Dichloroethene	U		0.00050	0.0050	mg/L	1	9/28/2006
cis-1,3-Dichloropropene	U		0.00050	0.0050	mg/L	1	9/28/2006
Dibromochloromethane	U		0.00050	0.0050	mg/L	1	9/28/2006
Ethylbenzene	U		0.00050	0.0050	mg/L	1	9/28/2006
m,p-Xylene	U		0.0010	0.010	mg/L	1	9/28/2006

Qualifiers:
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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
P - Dual Column results RPD > 40%
E - Value above quantitation range
H - Analyzed outside of Hold Time

e-Lab Analytical, Inc.

Date: *October 05, 2006*

CLIENT: Terracon Consulting Engineers & Scientists
Client Sample ID: MW-12
Work Order: 0609422
Collection Date: 9/27/2006 12:38:00 PM
Project: 9206792/N. Gillette
Lab ID: 0609422-05
Matrix: WATER

Analyses	Result	Qual	SQL	MQL	Units	Dilution Factor	Date Analyzed
Methyl tert-butyl ether	**0.0036**	J	**0.00050**	**0.0050**	**mg/L**	1	9/28/2006
Methylene chloride	U		0.00060	0.010	mg/L	1	9/28/2006
n-Butylbenzene	U		0.00080	0.0050	mg/L	1	9/28/2006
Naphthalene	U		0.0011	0.0050	mg/L	1	9/28/2006
o-Xylene	U		0.00050	0.0050	mg/L	1	9/28/2006
sec-Butylbenzene	U		0.00070	0.0050	mg/L	1	9/28/2006
Styrene	**0.0085**		**0.00050**	**0.0050**	**mg/L**	1	9/28/2006
Tetrachloroethene	U		0.00050	0.0050	mg/L	1	9/28/2006
Toluene	U		0.00050	0.0050	mg/L	1	9/28/2006
trans-1,2-Dichloroethene	U		0.00060	0.0050	mg/L	1	9/28/2006
trans-1,3-Dichloropropene	U		0.00050	0.0050	mg/L	1	9/28/2006
Trichloroethene	U		0.00070	0.0050	mg/L	1	9/28/2006
Vinyl chloride	U		0.00060	0.0020	mg/L	1	9/28/2006
Xylenes, Total	U		0.0015	0.015	mg/L	1	9/28/2006
Surr: 1,2-Dichloroethane-d4	*99.1*			*70-125*	*%REC*	1	9/28/2006
Surr: 4-Bromofluorobenzene	*95.8*			*72.4-125*	*%REC*	1	9/28/2006
Surr: Dibromofluoromethane	*95.4*			*71.2-125*	*%REC*	1	9/28/2006
Surr: Toluene-d8	*101*			*75-125*	*%REC*	1	9/28/2006

Qualifiers:

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P - Dual Column results RPD > 40%
E - Value above quantitation range
H - Analyzed outside of Hold Time

e-Lab Analytical, Inc.

Date: *October 05, 2006*

CLIENT: Terracon Consulting Engineers & Scientists
Client Sample ID: Dup-1
Work Order: 0609422
Collection Date: 9/27/2006
Project: 9206792/N. Gillette
Lab ID: 0609422-06
Matrix: WATER

Analyses	Result	Qual	SQL	MQL	Units	Dilution Factor	Date Analyzed
MERCURY, TOTAL			Method: **SW7470**		Prep: SW7470 / 10/2/06		Analyst: **JCJ**
Mercury	U		0.000042	0.000200	mg/L	1	10/2/2006
ICP METALS, TOTAL			Method: **SW6020**		Prep: SW3010A / 9/29/06		Analyst: **SA**
Arsenic	**0.00798**		**0.0018**	**0.00500**	**mg/L**	1	10/2/2006
Barium	**0.0871**		**0.00060**	**0.00500**	**mg/L**	1	10/2/2006
Cadmium	U		0.00015	0.00100	mg/L	1	10/2/2006
Chromium	**0.00710**		**0.00050**	**0.00200**	**mg/L**	1	10/2/2006
Lead	**0.0450**		**0.00020**	**0.00500**	**mg/L**	1	10/2/2006
Selenium	**0.0136**		**0.0017**	**0.00500**	**mg/L**	1	10/2/2006
Silver	U		0.00020	0.00500	mg/L	1	10/2/2006
VOLATILES BY GC/MS			Method: **SW8260**				Analyst: **PC**
1,1,1-Trichloroethane	U		0.00060	0.0050	mg/L	1	10/3/2006
1,1,2,2-Tetrachloroethane	U		0.0015	0.0050	mg/L	1	10/3/2006
1,1,2-Trichloroethane	U		0.00050	0.0050	mg/L	1	10/3/2006
1,1-Dichloroethane	U		0.00050	0.0050	mg/L	1	10/3/2006
1,1-Dichloroethene	U		0.00060	0.0050	mg/L	1	10/3/2006
1,2,4-Trimethylbenzene	U		0.00060	0.0050	mg/L	1	10/3/2006
1,2-Dichloroethane	U		0.00050	0.0050	mg/L	1	10/3/2006
1,2-Dichloropropane	U		0.00070	0.0050	mg/L	1	10/3/2006
1,3,5-Trimethylbenzene	U		0.00070	0.0050	mg/L	1	10/3/2006
2-Butanone	U		0.00080	0.010	mg/L	1	10/3/2006
2-Hexanone	U		0.0025	0.010	mg/L	1	10/3/2006
4-Methyl-2-pentanone	U		0.0016	0.010	mg/L	1	10/3/2006
Acetone	U		0.0025	0.010	mg/L	1	10/3/2006
Benzene	U		0.00060	0.0050	mg/L	1	10/3/2006
Bromodichloromethane	U		0.00050	0.0050	mg/L	1	10/3/2006
Bromoform	U		0.00080	0.0050	mg/L	1	10/3/2006
Bromomethane	U		0.00050	0.0050	mg/L	1	10/3/2006
Carbon disulfide	U		0.00070	0.010	mg/L	1	10/3/2006
Carbon tetrachloride	U		0.00060	0.0050	mg/L	1	10/3/2006
Chlorobenzene	U		0.00050	0.0050	mg/L	1	10/3/2006
Chloroethane	U		0.00060	0.0050	mg/L	1	10/3/2006
Chloroform	U		0.00050	0.0050	mg/L	1	10/3/2006
Chloromethane	U		0.00050	0.0050	mg/L	1	10/3/2006
cis-1,2-Dichloroethene	U		0.00050	0.0050	mg/L	1	10/3/2006
cis-1,3-Dichloropropene	U		0.00050	0.0050	mg/L	1	10/3/2006
Dibromochloromethane	U		0.00050	0.0050	mg/L	1	10/3/2006
Ethylbenzene	U		0.00050	0.0050	mg/L	1	10/3/2006
m,p-Xylene	U		0.0010	0.010	mg/L	1	10/3/2006

Qualifiers:
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P - Dual Column results RPD > 40%
E - Value above quantitation range
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e-Lab Analytical, Inc.

Date: *October 05, 2006*

CLIENT: Terracon Consulting Engineers & Scientists
Client Sample ID: Dup-1
Work Order: 0609422
Collection Date: 9/27/2006
Project: 9206792/N. Gillette
Lab ID: 0609422-06
Matrix: WATER

Analyses	Result	Qual	SQL	MQL	Units	Dilution Factor	Date Analyzed
Methyl tert-butyl ether	**0.0037**	J	**0.00050**	**0.0050**	**mg/L**	1	10/3/2006
Methylene chloride	U		0.00060	0.010	mg/L	1	10/3/2006
n-Butylbenzene	U		0.00080	0.0050	mg/L	1	10/3/2006
Naphthalene	U		0.0011	0.0050	mg/L	1	10/3/2006
o-Xylene	U		0.00050	0.0050	mg/L	1	10/3/2006
sec-Butylbenzene	U		0.00070	0.0050	mg/L	1	10/3/2006
Styrene	**0.0056**		**0.00050**	**0.0050**	**mg/L**	1	10/3/2006
Tetrachloroethene	U		0.00050	0.0050	mg/L	1	10/3/2006
Toluene	U		0.00050	0.0050	mg/L	1	10/3/2006
trans-1,2-Dichloroethene	U		0.00060	0.0050	mg/L	1	10/3/2006
trans-1,3-Dichloropropene	U		0.00050	0.0050	mg/L	1	10/3/2006
Trichloroethene	U		0.00070	0.0050	mg/L	1	10/3/2006
Vinyl chloride	U		0.00060	0.0020	mg/L	1	10/3/2006
Xylenes, Total	U		0.0015	0.015	mg/L	1	10/3/2006
Surr: 1,2-Dichloroethane-d4	*99.1*			*70-125*	*%REC*	1	10/3/2006
Surr: 4-Bromofluorobenzene	*94.1*			*72.4-125*	*%REC*	1	10/3/2006
Surr: Dibromofluoromethane	*92.8*			*71.2-125*	*%REC*	1	10/3/2006
Surr: Toluene-d8	*100*			*75-125*	*%REC*	1	10/3/2006

Qualifiers:

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P - Dual Column results RPD > 40%
E - Value above quantitation range
H - Analyzed outside of Hold Time

e-Lab Analytical, Inc.

Date: *October 05, 2006*

CLIENT: Terracon Consulting Engineers & Scientists
Work Order: 0609422
Project: 9206792/N. Gillette
Lab ID: 0609422-07

Client Sample ID: MW-24
Collection Date: 9/27/2006 1:04:00 PM
Matrix: WATER

Analyses	Result	Qual	SQL	MQL	Units	Dilution Factor	Date Analyzed
MERCURY, TOTAL			Method: **SW7470**			Prep: SW7470 / 10/2/06	Analyst: **JCJ**
Mercury	**0.000214**		**0.000042**	**0.000200**	**mg/L**	1	10/2/2006
ICP METALS, TOTAL			Method: **SW6020**			Prep: SW3010A / 9/29/06	Analyst: **SA**
Arsenic	**0.00875**		**0.0018**	**0.00500**	**mg/L**	1	10/2/2006
Barium	**0.181**		**0.00060**	**0.00500**	**mg/L**	1	10/2/2006
Cadmium	**0.00422**		**0.00015**	**0.00100**	**mg/L**	1	10/2/2006
Chromium	**0.00495**		**0.00050**	**0.00200**	**mg/L**	1	10/2/2006
Lead	**0.306**		**0.00020**	**0.00500**	**mg/L**	1	10/2/2006
Selenium	**0.0106**		**0.0017**	**0.00500**	**mg/L**	1	10/2/2006
Silver	**0.00114**	J	**0.00020**	**0.00500**	**mg/L**	1	10/2/2006
VOLATILES BY GC/MS			Method: **SW8260**				Analyst: **PC**
1,1,1-Trichloroethane	U		0.00060	0.0050	mg/L	1	10/3/2006
1,1,2,2-Tetrachloroethane	U		0.0015	0.0050	mg/L	1	10/3/2006
1,1,2-Trichloroethane	U		0.00050	0.0050	mg/L	1	10/3/2006
1,1-Dichloroethane	U		0.00050	0.0050	mg/L	1	10/3/2006
1,1-Dichloroethene	U		0.00060	0.0050	mg/L	1	10/3/2006
1,2,4-Trimethylbenzene	U		0.00060	0.0050	mg/L	1	10/3/2006
1,2-Dichloroethane	U		0.00050	0.0050	mg/L	1	10/3/2006
1,2-Dichloropropane	U		0.00070	0.0050	mg/L	1	10/3/2006
1,3,5-Trimethylbenzene	U		0.00070	0.0050	mg/L	1	10/3/2006
2-Butanone	U		0.00080	0.010	mg/L	1	10/3/2006
2-Hexanone	U		0.0025	0.010	mg/L	1	10/3/2006
4-Methyl-2-pentanone	U		0.0016	0.010	mg/L	1	10/3/2006
Acetone	U		0.0025	0.010	mg/L	1	10/3/2006
Benzene	U		0.00060	0.0050	mg/L	1	10/3/2006
Bromodichloromethane	U		0.00050	0.0050	mg/L	1	10/3/2006
Bromoform	U		0.00080	0.0050	mg/L	1	10/3/2006
Bromomethane	U		0.00050	0.0050	mg/L	1	10/3/2006
Carbon disulfide	U		0.00070	0.010	mg/L	1	10/3/2006
Carbon tetrachloride	U		0.00060	0.0050	mg/L	1	10/3/2006
Chlorobenzene	U		0.00050	0.0050	mg/L	1	10/3/2006
Chloroethane	U		0.00060	0.0050	mg/L	1	10/3/2006
Chloroform	U		0.00050	0.0050	mg/L	1	10/3/2006
Chloromethane	U		0.00050	0.0050	mg/L	1	10/3/2006
cis-1,2-Dichloroethene	U		0.00050	0.0050	mg/L	1	10/3/2006
cis-1,3-Dichloropropene	U		0.00050	0.0050	mg/L	1	10/3/2006
Dibromochloromethane	U		0.00050	0.0050	mg/L	1	10/3/2006
Ethylbenzene	U		0.00050	0.0050	mg/L	1	10/3/2006
m,p-Xylene	U		0.0010	0.010	mg/L	1	10/3/2006

Qualifiers:
U - Analyzed for but Not Detected
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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
P - Dual Column results RPD > 40%
E - Value above quantitation range
H - Analyzed outside of Hold Time

e-Lab Analytical, Inc.

Date: *October 05, 2006*

CLIENT: Terracon Consulting Engineers & Scientists
Client Sample ID: MW-24
Work Order: 0609422
Collection Date: 9/27/2006 1:04:00 PM
Project: 9206792/N. Gillette
Lab ID: 0609422-07
Matrix: WATER

Analyses	Result	Qual	SQL	MQL	Units	Dilution Factor	Date Analyzed
Methyl tert-butyl ether	**0.0010**	J	**0.00050**	**0.0050**	**mg/L**	1	10/3/2006
Methylene chloride	U		0.00060	0.010	mg/L	1	10/3/2006
n-Butylbenzene	U		0.00080	0.0050	mg/L	1	10/3/2006
Naphthalene	U		0.0011	0.0050	mg/L	1	10/3/2006
o-Xylene	U		0.00050	0.0050	mg/L	1	10/3/2006
sec-Butylbenzene	U		0.00070	0.0050	mg/L	1	10/3/2006
Styrene	U		0.00050	0.0050	mg/L	1	10/3/2006
Tetrachloroethene	U		0.00050	0.0050	mg/L	1	10/3/2006
Toluene	U		0.00050	0.0050	mg/L	1	10/3/2006
trans-1,2-Dichloroethene	U		0.00060	0.0050	mg/L	1	10/3/2006
trans-1,3-Dichloropropene	U		0.00050	0.0050	mg/L	1	10/3/2006
Trichloroethene	U		0.00070	0.0050	mg/L	1	10/3/2006
Vinyl chloride	U		0.00060	0.0020	mg/L	1	10/3/2006
Xylenes, Total	U		0.0015	0.015	mg/L	1	10/3/2006
Surr: 1,2-Dichloroethane-d4	*94.6*			*70-125*	*%REC*	1	10/3/2006
Surr: 4-Bromofluorobenzene	*85.3*			*72.4-125*	*%REC*	1	10/3/2006
Surr: Dibromofluoromethane	*88.0*			*71.2-125*	*%REC*	1	10/3/2006
Surr: Toluene-d8	*94.8*			*75-125*	*%REC*	1	10/3/2006

Qualifiers:

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* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
P - Dual Column results RPD > 40%
E - Value above quantitation range
H - Analyzed outside of Hold Time

e-Lab Analytical, Inc.

Date: *October 05, 2006*

CLIENT: Terracon Consulting Engineers & Scientists
Work Order: 0609422
Project: 9206792/N. Gillette
Lab ID: 0609422-08

Client Sample ID: MW-22
Collection Date: 9/27/2006 1:48:00 PM
Matrix: WATER

Analyses	Result	Qual	SQL	MQL	Units	Dilution Factor	Date Analyzed
MERCURY, TOTAL			Method: **SW7470**		Prep: SW7470 / 10/2/06		Analyst: **JCJ**
Mercury	U		0.000042	0.000200	mg/L	1	10/2/2006
ICP METALS, TOTAL			Method: **SW6020**		Prep: SW3010A / 9/29/06		Analyst: **SA**
Arsenic	**0.108**		**0.0018**	**0.00500**	**mg/L**	1	10/2/2006
Barium	**0.146**		**0.00060**	**0.00500**	**mg/L**	1	10/2/2006
Cadmium	U		0.00015	0.00100	mg/L	1	10/2/2006
Chromium	**0.000940**	J	**0.00050**	**0.00200**	**mg/L**	1	10/2/2006
Lead	**0.00779**		**0.00020**	**0.00500**	**mg/L**	1	10/2/2006
Selenium	**0.00217**	J	**0.0017**	**0.00500**	**mg/L**	1	10/2/2006
Silver	U		0.00020	0.00500	mg/L	1	10/2/2006
VOLATILES BY GC/MS			Method: **SW8260**				Analyst: **PC**
1,1,1-Trichloroethane	U		0.00060	0.0050	mg/L	1	10/3/2006
1,1,2,2-Tetrachloroethane	U		0.0015	0.0050	mg/L	1	10/3/2006
1,1,2-Trichloroethane	U		0.00050	0.0050	mg/L	1	10/3/2006
1,1-Dichloroethane	U		0.00050	0.0050	mg/L	1	10/3/2006
1,1-Dichloroethene	U		0.00060	0.0050	mg/L	1	10/3/2006
1,2,4-Trimethylbenzene	**0.39**		**0.015**	**0.12**	**mg/L**	25	10/4/2006
1,2-Dichloroethane	U		0.00050	0.0050	mg/L	1	10/3/2006
1,2-Dichloropropane	U		0.00070	0.0050	mg/L	1	10/3/2006
1,3,5-Trimethylbenzene	**0.11**		**0.00070**	**0.0050**	**mg/L**	1	10/3/2006
2-Butanone	U		0.00080	0.010	mg/L	1	10/3/2006
2-Hexanone	U		0.0025	0.010	mg/L	1	10/3/2006
4-Methyl-2-pentanone	U		0.0016	0.010	mg/L	1	10/3/2006
Acetone	**0.0074**	J	**0.0025**	**0.010**	**mg/L**	1	10/3/2006
Benzene	**1.1**		**0.015**	**0.12**	**mg/L**	25	10/4/2006
Bromodichloromethane	U		0.00050	0.0050	mg/L	1	10/3/2006
Bromoform	U		0.00080	0.0050	mg/L	1	10/3/2006
Bromomethane	U		0.00050	0.0050	mg/L	1	10/3/2006
Carbon disulfide	U		0.00070	0.010	mg/L	1	10/3/2006
Carbon tetrachloride	U		0.00060	0.0050	mg/L	1	10/3/2006
Chlorobenzene	U		0.00050	0.0050	mg/L	1	10/3/2006
Chloroethane	U		0.00060	0.0050	mg/L	1	10/3/2006
Chloroform	U		0.00050	0.0050	mg/L	1	10/3/2006
Chloromethane	U		0.00050	0.0050	mg/L	1	10/3/2006
cis-1,2-Dichloroethene	U		0.00050	0.0050	mg/L	1	10/3/2006
cis-1,3-Dichloropropene	U		0.00050	0.0050	mg/L	1	10/3/2006
Dibromochloromethane	U		0.00050	0.0050	mg/L	1	10/3/2006
Ethylbenzene	**0.17**		**0.00050**	**0.0050**	**mg/L**	1	10/3/2006
m,p-Xylene	**0.37**		**0.0010**	**0.010**	**mg/L**	1	10/3/2006

Qualifiers:

U - Analyzed for but Not Detected
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
P - Dual Column results RPD > 40%
E - Value above quantitation range
H - Analyzed outside of Hold Time

e-Lab Analytical, Inc.

Date: *October 05, 2006*

CLIENT: Terracon Consulting Engineers & Scientists
Client Sample ID: MW-22
Work Order: 0609422
Collection Date: 9/27/2006 1:48:00 PM
Project: 9206792/N. Gillette
Lab ID: 0609422-08
Matrix: WATER

Analyses	Result	Qual	SQL	MQL	Units	Dilution Factor	Date Analyzed
Methyl tert-butyl ether	**1.8**		**0.012**	**0.12**	**mg/L**	25	10/4/2006
Methylene chloride	U		0.00060	0.010	mg/L	1	10/3/2006
n-Butylbenzene	U		0.00080	0.0050	mg/L	1	10/3/2006
Naphthalene	**0.48**		**0.028**	**0.12**	**mg/L**	25	10/4/2006
o-Xylene	**0.023**		**0.00050**	**0.0050**	**mg/L**	1	10/3/2006
sec-Butylbenzene	**0.0020**	J	**0.00070**	**0.0050**	**mg/L**	1	10/3/2006
Styrene	U		0.00050	0.0050	mg/L	1	10/3/2006
Tetrachloroethene	U		0.00050	0.0050	mg/L	1	10/3/2006
Toluene	**0.012**		**0.00050**	**0.0050**	**mg/L**	1	10/3/2006
trans-1,2-Dichloroethene	U		0.00060	0.0050	mg/L	1	10/3/2006
trans-1,3-Dichloropropene	U		0.00050	0.0050	mg/L	1	10/3/2006
Trichloroethene	U		0.00070	0.0050	mg/L	1	10/3/2006
Vinyl chloride	U		0.00060	0.0020	mg/L	1	10/3/2006
Xylenes, Total	**0.39**		**0.0015**	**0.015**	**mg/L**	1	10/3/2006
Surr: 1,2-Dichloroethane-d4	*92.6*			*70-125*	*%REC*	1	10/3/2006
Surr: 1,2-Dichloroethane-d4	*104*			*70-125*	*%REC*	25	10/4/2006
Surr: 4-Bromofluorobenzene	*90.8*			*72.4-125*	*%REC*	1	10/3/2006
Surr: 4-Bromofluorobenzene	*111*			*72.4-125*	*%REC*	25	10/4/2006
Surr: Dibromofluoromethane	*84.7*			*71.2-125*	*%REC*	1	10/3/2006
Surr: Dibromofluoromethane	*110*			*71.2-125*	*%REC*	25	10/4/2006
Surr: Toluene-d8	*91.4*			*75-125*	*%REC*	1	10/3/2006
Surr: Toluene-d8	*111*			*75-125*	*%REC*	25	10/4/2006

Qualifiers:

U - Analyzed for but Not Detected
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
P - Dual Column results RPD > 40%
E - Value above quantitation range
H - Analyzed outside of Hold Time

e-Lab Analytical, Inc.

Date: *October 05, 2006*

CLIENT: Terracon Consulting Engineers & Scientists
Work Order: 0609422
Project: 9206792/N. Gillette
Lab ID: 0609422-09

Client Sample ID: MW-19
Collection Date: 9/27/2006 2:29:00 PM
Matrix: WATER

Analyses	Result	Qual	SQL	MQL	Units	Dilution Factor	Date Analyzed
MERCURY, TOTAL			Method: **SW7470**		Prep: SW7470 / 10/2/06		Analyst: **JCJ**
Mercury	U		0.000042	0.000200	mg/L	1	10/2/2006
ICP METALS, TOTAL			Method: **SW6020**		Prep: SW3010A / 9/29/06		Analyst: **SA**
Arsenic	**0.0116**		**0.0018**	**0.00500**	**mg/L**	1	10/3/2006
Barium	**0.0646**		**0.00060**	**0.00500**	**mg/L**	1	10/3/2006
Cadmium	**0.000212**	J	**0.00015**	**0.00100**	**mg/L**	1	10/3/2006
Chromium	**0.00291**		**0.00050**	**0.00200**	**mg/L**	1	10/3/2006
Lead	**0.00189**	J	**0.00020**	**0.00500**	**mg/L**	1	10/3/2006
Selenium	**0.00363**	J	**0.0017**	**0.00500**	**mg/L**	1	10/3/2006
Silver	U		0.00020	0.00500	mg/L	1	10/3/2006
VOLATILES BY GC/MS			Method: **SW8260**				Analyst: **PC**
1,1,1-Trichloroethane	U		0.00060	0.0050	mg/L	1	10/4/2006
1,1,2,2-Tetrachloroethane	U		0.0015	0.0050	mg/L	1	10/4/2006
1,1,2-Trichloroethane	U		0.00050	0.0050	mg/L	1	10/4/2006
1,1-Dichloroethane	U		0.00050	0.0050	mg/L	1	10/4/2006
1,1-Dichloroethene	U		0.00060	0.0050	mg/L	1	10/4/2006
1,2,4-Trimethylbenzene	U		0.00060	0.0050	mg/L	1	10/4/2006
1,2-Dichloroethane	U		0.00050	0.0050	mg/L	1	10/4/2006
1,2-Dichloropropane	U		0.00070	0.0050	mg/L	1	10/4/2006
1,3,5-Trimethylbenzene	U		0.00070	0.0050	mg/L	1	10/4/2006
2-Butanone	U		0.00080	0.010	mg/L	1	10/4/2006
2-Hexanone	U		0.0025	0.010	mg/L	1	10/4/2006
4-Methyl-2-pentanone	U		0.0016	0.010	mg/L	1	10/4/2006
Acetone	U		0.0025	0.010	mg/L	1	10/4/2006
Benzene	**0.00085**	J	**0.00060**	**0.0050**	**mg/L**	1	10/4/2006
Bromodichloromethane	U		0.00050	0.0050	mg/L	1	10/4/2006
Bromoform	U		0.00080	0.0050	mg/L	1	10/4/2006
Bromomethane	U		0.00050	0.0050	mg/L	1	10/4/2006
Carbon disulfide	U		0.00070	0.010	mg/L	1	10/4/2006
Carbon tetrachloride	U		0.00060	0.0050	mg/L	1	10/4/2006
Chlorobenzene	U		0.00050	0.0050	mg/L	1	10/4/2006
Chloroethane	U		0.00060	0.0050	mg/L	1	10/4/2006
Chloroform	U		0.00050	0.0050	mg/L	1	10/4/2006
Chloromethane	U		0.00050	0.0050	mg/L	1	10/4/2006
cis-1,2-Dichloroethene	U		0.00050	0.0050	mg/L	1	10/4/2006
cis-1,3-Dichloropropene	U		0.00050	0.0050	mg/L	1	10/4/2006
Dibromochloromethane	U		0.00050	0.0050	mg/L	1	10/4/2006
Ethylbenzene	U		0.00050	0.0050	mg/L	1	10/4/2006
m,p-Xylene	U		0.0010	0.010	mg/L	1	10/4/2006

Qualifiers:
U - Analyzed for but Not Detected
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S - Spike Recovery outside accepted recovery limits
P - Dual Column results RPD > 40%
E - Value above quantitation range
H - Analyzed outside of Hold Time

e-Lab Analytical, Inc.

Date: *October 05, 2006*

CLIENT: Terracon Consulting Engineers & Scientists
Work Order: 0609422
Project: 9206792/N. Gillette
Lab ID: 0609422-09

Client Sample ID: MW-19
Collection Date: 9/27/2006 2:29:00 PM
Matrix: WATER

Analyses	Result	Qual	SQL	MQL	Units	Dilution Factor	Date Analyzed
Methyl tert-butyl ether	**0.0021**	J	**0.00050**	**0.0050**	**mg/L**	1	10/4/2006
Methylene chloride	U		0.00060	0.010	mg/L	1	10/4/2006
n-Butylbenzene	U		0.00080	0.0050	mg/L	1	10/4/2006
Naphthalene	U		0.0011	0.0050	mg/L	1	10/4/2006
o-Xylene	U		0.00050	0.0050	mg/L	1	10/4/2006
sec-Butylbenzene	U		0.00070	0.0050	mg/L	1	10/4/2006
Styrene	U		0.00050	0.0050	mg/L	1	10/4/2006
Tetrachloroethene	U		0.00050	0.0050	mg/L	1	10/4/2006
Toluene	U		0.00050	0.0050	mg/L	1	10/4/2006
trans-1,2-Dichloroethene	U		0.00060	0.0050	mg/L	1	10/4/2006
trans-1,3-Dichloropropene	U		0.00050	0.0050	mg/L	1	10/4/2006
Trichloroethene	U		0.00070	0.0050	mg/L	1	10/4/2006
Vinyl chloride	U		0.00060	0.0020	mg/L	1	10/4/2006
Xylenes, Total	U		0.0015	0.015	mg/L	1	10/4/2006
Surr: 1,2-Dichloroethane-d4	*104*			*70-125*	*%REC*	1	10/4/2006
Surr: 4-Bromofluorobenzene	*108*			*72.4-125*	*%REC*	1	10/4/2006
Surr: Dibromofluoromethane	*110*			*71.2-125*	*%REC*	1	10/4/2006
Surr: Toluene-d8	*109*			*75-125*	*%REC*	1	10/4/2006

Qualifiers:

U - Analyzed for but Not Detected
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
P - Dual Column results RPD > 40%
E - Value above quantitation range
H - Analyzed outside of Hold Time

e-Lab Analytical, Inc.

Date: Oct 05, 2006

Test Code: 8260_W
Test Number: SW8260
Test Name: Volatiles by GC/MS
Matrix: Aqueous **Units:** mg/L

METHOD DETECTION / REPORTING LIMITS

Type	Analyte	CAS	MDL	Unadjusted MQL
A	1,1,1-Trichloroethane	71-55-6	0.0006	0.005
A	1,1,2,2-Tetrachloroethane	79-34-5	0.0015	0.005
A	1,1,2-Trichloroethane	79-00-5	0.0005	0.005
A	1,1-Dichloroethane	75-34-3	0.0005	0.005
A	1,1-Dichloroethene	75-35-4	0.0006	0.005
A	1,2,4-Trimethylbenzene	95-63-6	0.0006	0.005
A	1,2-Dichloroethane	107-06-2	0.0005	0.005
A	1,2-Dichloropropane	78-87-5	0.0007	0.005
A	1,3,5-Trimethylbenzene	108-67-8	0.0007	0.005
A	2-Butanone	78-93-3	0.0008	0.01
A	2-Hexanone	591-78-6	0.0025	0.01
A	4-Methyl-2-pentanone	108-10-1	0.0016	0.01
A	Acetone	67-64-1	0.0025	0.01
A	Benzene	71-43-2	0.0006	0.005
A	Bromodichloromethane	75-27-4	0.0005	0.005
A	Bromoform	75-25-2	0.0008	0.005
A	Bromomethane	74-83-9	0.0005	0.005
A	Carbon disulfide	75-15-0	0.0007	0.01
A	Carbon tetrachloride	56-23-5	0.0006	0.005
A	Chlorobenzene	108-90-7	0.0005	0.005
A	Chloroethane	75-00-3	0.0006	0.005
A	Chloroform	67-66-3	0.0005	0.005
A	Chloromethane	74-87-3	0.0005	0.005
A	cis-1,2-Dichloroethene	156-59-2	0.0005	0.005
A	cis-1,3-Dichloropropene	10061-01-5	0.0005	0.005
A	Dibromochloromethane	124-48-1	0.0005	0.005
A	Ethylbenzene	100-41-4	0.0005	0.005
A	m,p-Xylene	136777-61-2	0.001	0.01
A	Methyl tert-butyl ether	1634-04-4	0.0005	0.005
A	Methylene chloride	75-09-2	0.0006	0.01
A	n-Butylbenzene	104-51-8	0.0008	0.005
A	Naphthalene	91-20-3	0.0011	0.005
A	o-Xylene	95-47-6	0.0005	0.005
A	sec-Butylbenzene	135-98-8	0.0007	0.005
A	Styrene	100-42-5	0.0005	0.005
A	Tetrachloroethene	127-18-4	0.0005	0.005
A	Toluene	108-88-3	0.0005	0.005
A	trans-1,2-Dichloroethene	156-60-5	0.0006	0.005
A	trans-1,3-Dichloropropene	10061-02-6	0.0005	0.005
A	Trichloroethene	79-01-6	0.0007	0.005
A	Vinyl chloride	75-01-4	0.0006	0.002

M	Xylenes, Total	1330-20-7	0.0015	0.015
S	Surr: 1,2-Dichloroethane-d4	17060-07-0	0	0.005
S	Surr: 4-Bromofluorobenzene	460-00-4	0	0.005
S	Surr: Dibromofluoromethane	1868-53-7	0	0.005
S	Surr: Toluene-d8	2037-26-5	0	0.005

e-Lab Analytical, Inc.

Date: Oct 05, 2006

METHOD DETECTION / REPORTING LIMITS

Test Code: HG_W
Test Number: SW7470
Test Name: Mercury, Total
Matrix: Aqueous **Units:** mg/L

Type	Analyte	CAS	MDL	Unadjusted MQL
A	Mercury	7439-97-6	0.000042	0.0002

e-Lab Analytical, Inc.

Date: Oct 05, 2006

METHOD DETECTION / REPORTING LIMITS

Test Code: ICP_TW
Test Number: SW6020
Test Name: ICP Metals, Total
Matrix: Aqueous **Units:** mg/L

Type	Analyte	CAS	MDL	Unadjusted MQL
A	Arsenic	7440-38-2	0.0018	0.005
A	Barium	7440-39-3	0.0006	0.005
A	Cadmium	7440-43-9	0.00015	0.001
A	Chromium	7440-47-3	0.0005	0.002
A	Lead	7439-92-1	0.0002	0.005
A	Selenium	7782-49-2	0.0017	0.005
A	Silver	7440-22-4	0.0002	0.005

e-Lab Analytical, Inc.

CLIENT: Terracon Consulting Engineers & Scientists
Work Order: 0609422
Project: 9206792/N. Gillette

Date: *Oct 05 2006*

QC BATCH REPORT

Batch ID: **20060** Instrument ID **ICP7500** Method: **SW6020**

MBLK Sample ID: **MBLKW1-092906** Units: **mg/L** Analysis Date: **10/02/06 15:21**

Client ID: Run ID: **ICP7500_061002A** SeqNo: **961518** Prep Date: **9/29/2006** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0050								
Barium	U	0.0050								
Cadmium	0.0001804	0.0020								J
Chromium	U	0.0050								
Lead	0.0003711	0.0050								J
Selenium	U	0.0050								
Silver	U	0.0050								

LCS Sample ID: **MLCSW1-092906** Units: **mg/L** Analysis Date: **10/03/06 17:48**

Client ID: Run ID: **ICP7500_061003A** SeqNo: **962634** Prep Date: **9/29/2006** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.05157	0.0050	0.05	0	103	80-121	0			
Barium	0.05034	0.0050	0.05	0	101	79.8-119	0			
Cadmium	0.05254	0.0020	0.05	0	105	79.1-119	0			
Chromium	0.05031	0.0050	0.05	0	101	79.3-121	0			
Lead	0.05093	0.0050	0.05	0	102	80-118	0			
Selenium	0.05386	0.0050	0.05	0	108	79.2-118	0			
Silver	0.05249	0.0050	0.05	0	105	80-117	0			

MS Sample ID: **0609438-02CMS** Units: **mg/L** Analysis Date: **10/03/06 14:05**

Client ID: Run ID: **ICP7500_061003A** SeqNo: **962052** Prep Date: **9/29/2006** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.0835	0.0050	0.05	0.02867	110	80-121	0			
Barium	0.3035	0.0050	0.05	0.2473	112	79.8-119	0			O
Cadmium	0.05308	0.0020	0.05	0.00003676	106	79.1-119	0			
Chromium	0.05562	0.0050	0.05	0.002225	107	79.3-121	0			
Lead	0.05814	0.0050	0.05	0.002464	111	80-118	0			
Selenium	0.05557	0.0050	0.05	0.001816	108	79.2-118	0			
Silver	0.04792	0.0050	0.05	-0.0002939	96.4	80-117	0			

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: Terracon Consulting Engineers & Scientists
Work Order: 0609422
Project: 9206792/N. Gillette

QC BATCH REPORT

Batch ID: **20060** Instrument ID **ICP7500** Method: **SW6020**

MSD Sample ID: **0609438-02CMSD** Units: **mg/L** Analysis Date: **10/03/06 14:11**

Client ID: Run ID: **ICP7500_061003A** SeqNo: **962053** Prep Date: **9/29/2006** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.07978	0.0050	0.05	0.02867	102	80-121	0.0835	4.56	15	
Barium	0.2917	0.0050	0.05	0.2473	88.8	79.8-119	0.3035	3.97	15	O
Cadmium	0.05087	0.0020	0.05	0.00003676	102	79.1-119	0.05308	4.25	15	
Chromium	0.05221	0.0050	0.05	0.002225	100	79.3-121	0.05562	6.32	15	
Lead	0.05508	0.0050	0.05	0.002464	105	80-118	0.05814	5.41	15	
Selenium	0.05406	0.0050	0.05	0.001816	104	79.2-118	0.05557	2.75	15	
Silver	0.0465	0.0050	0.05	-0.0002939	93.6	80-117	0.04792	3.01	15	

DUP Sample ID: **0609438-02CDUP** Units: **mg/L** Analysis Date: **10/03/06 13:53**

Client ID: Run ID: **ICP7500_061003A** SeqNo: **962051** Prep Date: **9/29/2006** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.02727	0.0050	0	0	0	0-0	0.02867	5.01	25	
Barium	0.2455	0.0050	0	0	0	0-0	0.2473	0.731	25	
Cadmium	U	0.0020	0	0	0	0-0	0.00003676	0	25	
Chromium	0.001132	0.0050	0	0	0	0-0	0.002225	0	25	J
Lead	0.002382	0.0050	0	0	0	0-0	0.002464	0	25	J
Selenium	0.002148	0.0050	0	0	0	0-0	0.001816	0	25	J
Silver	U	0.0050	0	0	0	0-0	-0.0002939	0	25	

PDS Sample ID: **0609438-02CBS** Units: **mg/L** Analysis Date: **10/03/06 14:17**

Client ID: Run ID: **ICP7500_061003A** SeqNo: **962054** Prep Date: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.1489	0.0050	0.125	0.02867	96.2	75-125	0			
Barium	0.3568	0.0050	0.125	0.2473	87.6	75-125	0			
Cadmium	0.1138	0.0020	0.125	0.00003676	91	75-125	0			
Chromium	0.1192	0.0050	0.125	0.002225	93.6	75-125	0			
Lead	0.1237	0.0050	0.125	0.002464	97	75-125	0			
Selenium	0.1211	0.0050	0.125	0.001816	95.4	75-125	0			
Silver	0.07492	0.0050	0.125	-0.0002939	60.2	75-125	0			S

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: Terracon Consulting Engineers & Scientists
Work Order: 0609422
Project: 9206792/N. Gillette

QC BATCH REPORT

Batch ID: **20060** Instrument ID **ICP7500** Method: **SW6020**

SD Sample ID: **0609438-02C DIL** Units: **mg/L** Analysis Date: **10/03/06 14:23**

Client ID: Run ID: **ICP7500_061003A** SeqNo: **962055** Prep Date: DF: **5**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.03279	0.025	0	0	0	0-0	0.02867	14.4	10	R
Barium	0.2481	0.025	0	0	0	0-0	0.2473	0.323	10	
Cadmium	0.0009135	0.010	0	0	0	0-0	0.00003676	0	10	J
Chromium	U	0.025	0	0	0	0-0	0.002225	0	10	
Lead	0.003246	0.025	0	0	0	0-0	0.002464	0	10	J
Selenium	U	0.025	0	0	0	0-0	0.001816	0	10	
Silver	U	0.025	0	0	0	0-0	-0.0002939	0	10	

The following samples were analyzed in this batch:

0609422-01A	0609422-02A	0609422-03A
0609422-04A	0609422-05B	0609422-06B
0609422-07B	0609422-08B	0609422-09B

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: Terracon Consulting Engineers & Scientists
Work Order: 0609422
Project: 9206792/N. Gillette

QC BATCH REPORT

Batch ID: **20075** Instrument ID **Mercury** Method: **SW7470**

MBLK Sample ID: **GBLKW2-100206** Units: **mg/L** Analysis Date: **10/02/06 14:20**
Client ID: Run ID: **MERCURY_061002B** SeqNo: **961469** Prep Date: **10/2/2006** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.00020								

LCS Sample ID: **GLCSW2-100206** Units: **mg/L** Analysis Date: **10/02/06 14:23**
Client ID: Run ID: **MERCURY_061002B** SeqNo: **961470** Prep Date: **10/2/2006** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00535	0.00020	0.005	0	107	85-115		0		

LCSD Sample ID: **GLCSDW2-100206** Units: **mg/L** Analysis Date: **10/02/06 14:25**
Client ID: Run ID: **MERCURY_061002B** SeqNo: **961471** Prep Date: **10/2/2006** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00538	0.00020	0.005	0	108	85-115	0.00535	0.559	20	

MS Sample ID: **0609438-07CMS** Units: **mg/L** Analysis Date: **10/02/06 14:38**
Client ID: Run ID: **MERCURY_061002B** SeqNo: **961474** Prep Date: **10/2/2006** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00528	0.00020	0.005	-0.000011	106	85-115		0		

MSD Sample ID: **0609438-07CMSD** Units: **mg/L** Analysis Date: **10/02/06 14:40**
Client ID: Run ID: **MERCURY_061002B** SeqNo: **961475** Prep Date: **10/2/2006** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.0052	0.00020	0.005	-0.000011	104	85-115	0.00528	1.53	20	

DUP Sample ID: **0609438-07CDUP** Units: **mg/L** Analysis Date: **10/02/06 14:36**
Client ID: Run ID: **MERCURY_061002B** SeqNo: **961473** Prep Date: **10/2/2006** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.00020	0	0	0	0-0	-0.000011	0	20	

The following samples were analyzed in this batch:

0609422-01A	0609422-02A	0609422-03A
0609422-04A	0609422-05B	0609422-06B
0609422-07B	0609422-08B	0609422-09B

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: Terracon Consulting Engineers & Scientists
Work Order: 0609422
Project: 9206792/N. Gillette

QC BATCH REPORT

Batch ID: **R42183** Instrument ID **VOA2** Method: **SW8260**

MBLK Sample ID: **VBLKW-060928** Units: **µg/L** Analysis Date: **09/28/06 12:00**

Client ID: Run ID: **VOA2_060928A** SeqNo: **960053** Prep Date: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	U	5.0								
1,1,2,2-Tetrachloroethane	U	5.0								
1,1,2-Trichloroethane	U	5.0								
1,1-Dichloroethane	U	5.0								
1,1-Dichloroethene	U	5.0								
1,2,4-Trimethylbenzene	U	5.0								
1,2-Dichloroethane	U	5.0								
1,2-Dichloropropane	U	5.0								
1,3,5-Trimethylbenzene	U	5.0								
2-Butanone	U	10								
2-Hexanone	U	10								
4-Methyl-2-pentanone	U	10								
Acetone	U	10								
Benzene	U	5.0								
Bromodichloromethane	U	5.0								
Bromoform	U	5.0								
Bromomethane	U	5.0								
Carbon disulfide	U	10								
Carbon tetrachloride	U	5.0								
Chlorobenzene	U	5.0								
Chloroethane	U	5.0								
Chloroform	U	5.0								
Chloromethane	U	5.0								
cis-1,2-Dichloroethene	U	5.0								
cis-1,3-Dichloropropene	U	5.0								
Dibromochloromethane	U	5.0								
Ethylbenzene	U	5.0								
m,p-Xylene	U	10								
Methyl tert-butyl ether	U	5.0								
Methylene chloride	U	10								
n-Butylbenzene	U	5.0								
Naphthalene	U	5.0								
o-Xylene	U	5.0								
sec-Butylbenzene	U	5.0								
Styrene	U	5.0								
Tetrachloroethene	U	5.0								
Toluene	U	5.0								
trans-1,2-Dichloroethene	U	5.0								
trans-1,3-Dichloropropene	U	5.0								
Trichloroethene	U	5.0								

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: Terracon Consulting Engineers & Scientists
Work Order: 0609422
Project: 9206792/N. Gillette

QC BATCH REPORT

Batch ID: **R42183** Instrument ID **VOA2** Method: **SW8260**

Vinyl chloride	U	2.0					
Xylenes, Total	U	15					
Surr: 1,2-Dichloroethane-d4	*44.91*	5.0	*50*	0	*89.8*	*70-125*	0
Surr: 4-Bromofluorobenzene	*45.36*	5.0	*50*	0	*90.7*	*72.4-125*	0
Surr: Dibromofluoromethane	*49.8*	5.0	*50*	0	*99.6*	*71.2-125*	0
Surr: Toluene-d8	*51.5*	5.0	*50*	0	*103*	*75-125*	0

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: Terracon Consulting Engineers & Scientists
Work Order: 0609422
Project: 9206792/N. Gillette

QC BATCH REPORT

Batch ID: **R42183** Instrument ID **VOA2** Method: **SW8260**

LCS Sample ID: **VLCSW-060928** Units: **µg/L** Analysis Date: **09/28/06 11:10**

Client ID: Run ID: **VOA2_060928A** SeqNo: **960052** Prep Date: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	59.94	5.0	50	0	120	79.6-120		0		
1,1,2,2-Tetrachloroethane	53.3	5.0	50	0	107	78.9-121		0		
1,1,2-Trichloroethane	53.55	5.0	50	0	107	80-120		0		
1,1-Dichloroethane	52.27	5.0	50	0	105	74.2-122		0		
1,1-Dichloroethene	51.38	5.0	50	0	103	75.8-122		0		
1,2,4-Trimethylbenzene	52.08	5.0	50	0	104	80-120		0		
1,2-Dichloroethane	53.8	5.0	50	0	108	78.8-120		0		
1,2-Dichloropropane	56.59	5.0	50	0	113	80-120		0		
1,3,5-Trimethylbenzene	52.07	5.0	50	0	104	80-120		0		
2-Butanone	111	10	100	0	111	69.2-131		0		
2-Hexanone	112.8	10	100	0	113	59.1-135		0		
4-Methyl-2-pentanone	112.5	10	100	0	113	71.6-124		0		
Acetone	108.6	10	100	0	109	60.1-141		0		
Benzene	52.44	5.0	50	0	105	80-120		0		
Bromodichloromethane	58.09	5.0	50	0	116	80-120		0		
Bromoform	52.45	5.0	50	0	105	78.1-120		0		
Bromomethane	50.58	5.0	50	0	101	52.8-147		0		
Carbon disulfide	106	10	100	0	106	78.8-120		0		
Carbon tetrachloride	52.86	5.0	50	0	106	76.8-120		0		
Chlorobenzene	52.88	5.0	50	0	106	80-120		0		
Chloroethane	55.96	5.0	50	0	112	74.2-120		0		
Chloroform	54.62	5.0	50	0	109	80-120		0		
Chloromethane	51.28	5.0	50	0	103	63.5-133		0		
cis-1,2-Dichloroethene	52.84	5.0	50	0	106	80-120		0		
cis-1,3-Dichloropropene	55.17	5.0	50	0	110	80-120		0		
Dibromochloromethane	50.21	5.0	50	0	100	80-120		0		
Ethylbenzene	57.62	5.0	50	0	115	80-120		0		
m,p-Xylene	114.7	10	100	0	115	80-120		0		
Methyl tert-butyl ether	53.54	5.0	50	0	107	75.8-123		0		
Methylene chloride	50.12	10	50	0	100	74.7-120		0		
n-Butylbenzene	52.67	5.0	50	0	105	80-120		0		
Naphthalene	56.89	5.0	50	0	114	71.4-124		0		
o-Xylene	56.97	5.0	50	0	114	80-120		0		
sec-Butylbenzene	52.14	5.0	50	0	104	80-120		0		
Styrene	52.25	5.0	50	0	105	80-120		0		
Tetrachloroethene	57.37	5.0	50	0	115	80-120		0		
Toluene	55.78	5.0	50	0	112	80-120		0		
trans-1,2-Dichloroethene	53.65	5.0	50	0	107	75.9-122		0		
trans-1,3-Dichloropropene	53.05	5.0	50	0	106	80-120		0		
Trichloroethene	58.57	5.0	50	0	117	80-120		0		

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: Terracon Consulting Engineers & Scientists
Work Order: 0609422
Project: 9206792/N. Gillette

QC BATCH REPORT

Batch ID: **R42183** Instrument ID **VOA2** Method: **SW8260**

Vinyl chloride	57.48	2.0	50	0	115	76.2-121	0
Xylenes, Total	171.7	15	150	0	114	80-120	0
Surr: 1,2-Dichloroethane-d4	*45.52*	5.0	*50*	0	*91*	*70-125*	0
Surr: 4-Bromofluorobenzene	*50.66*	5.0	*50*	0	*101*	*72.4-125*	0
Surr: Dibromofluoromethane	*52.51*	5.0	*50*	0	*105*	*71.2-125*	0
Surr: Toluene-d8	*51.92*	5.0	*50*	0	*104*	*75-125*	0

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: Terracon Consulting Engineers & Scientists
Work Order: 0609422
Project: 9206792/N. Gillette

QC BATCH REPORT

Batch ID: **R42183** Instrument ID **VOA2** Method: **SW8260**

MS Sample ID: **0609371-01AMS** Units: **µg/L** Analysis Date: **09/28/06 14:31**

Client ID: Run ID: **VOA2_060928A** SeqNo: **960059** Prep Date: DF: **25**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	1365	120	1250	0	109	79.6-120		0		
1,1,2,2-Tetrachloroethane	1431	120	1250	0	115	78.9-121		0		
1,1,2-Trichloroethane	1376	120	1250	0	110	80-120		0		
1,1-Dichloroethane	1365	120	1250	0	109	74.2-122		0		
1,1-Dichloroethene	1197	120	1250	0	95.7	75.8-122		0		
1,2,4-Trimethylbenzene	1229	120	1250	0	98.4	80-120		0		
1,2-Dichloroethane	1419	120	1250	0	114	78.8-120		0		
1,2-Dichloropropane	1380	120	1250	0	110	80-120		0		
1,3,5-Trimethylbenzene	1200	120	1250	0	96	80-120		0		
2-Butanone	3002	250	2500	0	120	69.2-131		0		
2-Hexanone	2912	250	2500	0	116	59.1-135		0		
4-Methyl-2-pentanone	2970	250	2500	0	119	71.6-124		0		
Acetone	3034	250	2500	0	121	60.1-141		0		
Benzene	1379	120	1250	0	110	80-120		0		
Bromodichloromethane	1445	120	1250	0	116	80-120		0		
Bromoform	1359	120	1250	0	109	78.1-120		0		
Bromomethane	1018	120	1250	0	81.5	52.8-147		0		
Carbon disulfide	2547	250	2500	0	102	78.8-120		0		
Carbon tetrachloride	1074	120	1250	0	86	76.8-120		0		
Chlorobenzene	1294	120	1250	0	104	80-120		0		
Chloroethane	1393	120	1250	0	111	74.2-120		0		
Chloroform	1353	120	1250	0	108	80-120		0		
Chloromethane	1281	120	1250	0	102	63.5-133		0		
cis-1,2-Dichloroethene	1384	120	1250	0	111	80-120		0		
cis-1,3-Dichloropropene	1345	120	1250	0	108	80-120		0		
Dibromochloromethane	1260	120	1250	0	101	80-120		0		
Ethylbenzene	2917	120	1250	0	233	80-120		0		S
m,p-Xylene	2704	250	2500	0	108	80-120		0		
Methyl tert-butyl ether	1512	120	1250	0	121	75.8-123		0		
Methylene chloride	1373	250	1250	0	110	74.7-120		0		
n-Butylbenzene	1174	120	1250	0	93.9	80-120		0		
Naphthalene	1420	120	1250	0	114	71.4-124		0		
o-Xylene	1375	120	1250	0	110	80-120		0		
sec-Butylbenzene	1157	120	1250	0	92.6	80-120		0		
Styrene	1284	120	1250	0	103	80-120		0		
Tetrachloroethene	1280	120	1250	0	102	80-120		0		
Toluene	1339	120	1250	0	107	80-120		0		
trans-1,2-Dichloroethene	1361	120	1250	0	109	75.9-122		0		
trans-1,3-Dichloropropene	1316	120	1250	0	105	80-120		0		
Trichloroethene	1310	120	1250	0	105	80-120		0		

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: Terracon Consulting Engineers & Scientists
Work Order: 0609422
Project: 9206792/N. Gillette

QC BATCH REPORT

Batch ID: **R42183** Instrument ID **VOA2** Method: **SW8260**

Vinyl chloride	1322	50	1250	0	106	76.2-121	0
Xylenes, Total	4079	380	3750	0	109	80-120	0
Surr: 1,2-Dichloroethane-d4	*1306*	120	*1250*	0	*104*	*70-125*	0
Surr: 4-Bromofluorobenzene	*1274*	120	*1250*	0	*102*	*72.4-125*	0
Surr: Dibromofluoromethane	*1308*	120	*1250*	0	*105*	*71.2-125*	0
Surr: Toluene-d8	*1283*	120	*1250*	0	*103*	*75-125*	0

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: Terracon Consulting Engineers & Scientists
Work Order: 0609422
Project: 9206792/N. Gillette

QC BATCH REPORT

Batch ID: **R42183** Instrument ID **VOA2** Method: **SW8260**

MSD Sample ID: **0609371-01AMSD** Units: **µg/L** Analysis Date: **09/28/06 14:57**

Client ID: Run ID: **VOA2_060928A** SeqNo: **960060** Prep Date: DF: **25**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	1386	120	1250	0	111	79.6-120	1365	1.51	20	
1,1,2,2-Tetrachloroethane	1390	120	1250	0	111	78.9-121	1431	2.92	20	
1,1,2-Trichloroethane	1331	120	1250	0	107	80-120	1376	3.32	20	
1,1-Dichloroethane	1344	120	1250	0	108	74.2-122	1365	1.56	20	
1,1-Dichloroethene	1274	120	1250	0	102	75.8-122	1197	6.28	20	
1,2,4-Trimethylbenzene	1251	120	1250	0	100	80-120	1229	1.78	20	
1,2-Dichloroethane	1310	120	1250	0	105	78.8-120	1419	8.03	20	
1,2-Dichloropropane	1311	120	1250	0	105	80-120	1380	5.13	20	
1,3,5-Trimethylbenzene	1228	120	1250	0	98.2	80-120	1200	2.24	20	
2-Butanone	2977	250	2500	0	119	69.2-131	3002	0.846	20	
2-Hexanone	2938	250	2500	0	118	59.1-135	2912	0.868	20	
4-Methyl-2-pentanone	2985	250	2500	0	119	71.6-124	2970	0.496	20	
Acetone	2904	250	2500	0	116	60.1-141	3034	4.38	20	
Benzene	1336	120	1250	0	107	80-120	1379	3.19	20	
Bromodichloromethane	1365	120	1250	0	109	80-120	1445	5.74	20	
Bromoform	1335	120	1250	0	107	78.1-120	1359	1.75	20	
Bromomethane	1075	120	1250	0	86	52.8-147	1018	5.38	20	
Carbon disulfide	2630	250	2500	0	105	78.8-120	2547	3.2	20	
Carbon tetrachloride	1058	120	1250	0	84.6	76.8-120	1074	1.53	20	
Chlorobenzene	1276	120	1250	0	102	80-120	1294	1.48	20	
Chloroethane	1461	120	1250	0	117	74.2-120	1393	4.75	20	
Chloroform	1345	120	1250	0	108	80-120	1353	0.606	20	
Chloromethane	1269	120	1250	0	102	63.5-133	1281	0.901	20	
cis-1,2-Dichloroethene	1342	120	1250	0	107	80-120	1384	3.08	20	
cis-1,3-Dichloropropene	1298	120	1250	0	104	80-120	1345	3.55	20	
Dibromochloromethane	1248	120	1250	0	99.8	80-120	1260	0.964	20	
Ethylbenzene	2893	120	1250	0	231	80-120	2917	0.83	20	S
m,p-Xylene	2691	250	2500	0	108	80-120	2704	0.495	20	
Methyl tert-butyl ether	1503	120	1250	0	120	75.8-123	1512	0.585	20	
Methylene chloride	1346	250	1250	0	108	74.7-120	1373	2.01	20	
n-Butylbenzene	1240	120	1250	0	99.2	80-120	1174	5.47	20	
Naphthalene	1580	120	1250	0	126	71.4-124	1420	10.7	20	S
o-Xylene	1363	120	1250	0	109	80-120	1375	0.882	20	
sec-Butylbenzene	1221	120	1250	0	97.7	80-120	1157	5.39	20	
Styrene	1268	120	1250	0	101	80-120	1284	1.23	20	
Tetrachloroethene	1287	120	1250	0	103	80-120	1280	0.513	20	
Toluene	1314	120	1250	0	105	80-120	1339	1.92	20	
trans-1,2-Dichloroethene	1360	120	1250	0	109	75.9-122	1361	0.0784	20	
trans-1,3-Dichloropropene	1291	120	1250	0	103	80-120	1316	1.94	20	
Trichloroethene	1275	120	1250	0	102	80-120	1310	2.75	20	

ND - Not Detected at the Reporting Limit
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R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: Terracon Consulting Engineers & Scientists
Work Order: 0609422
Project: 9206792/N. Gillette

QC BATCH REPORT

Batch ID: **R42183** Instrument ID **VOA2** Method: **SW8260**

Vinyl chloride	1391	50	1250	0	111	76.2-121	1322	5.1	20
Xylenes, Total	4054	380	3750	0	108	80-120	4079	0.626	20
Surr: 1,2-Dichloroethane-d4	*1284*	120	*1250*	0	*103*	*70-125*	1306	*1.75*	*20*
Surr: 4-Bromofluorobenzene	*1242*	120	*1250*	0	*99.4*	*72.4-125*	1274	*2.56*	*20*
Surr: Dibromofluoromethane	*1291*	120	*1250*	0	*103*	*71.2-125*	1308	*1.36*	*20*
Surr: Toluene-d8	*1287*	120	*1250*	0	*103*	*75-125*	1283	*0.312*	*20*

The following samples were analyzed in this batch: 0609422-05A

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CLIENT: Terracon Consulting Engineers & Scientists
Work Order: 0609422
Project: 9206792/N. Gillette

QC BATCH REPORT

Batch ID: **R42319** Instrument ID **VOA2** Method: **SW8260**

MBLK Sample ID: **VBLKW-061003** Units: **µg/L** Analysis Date: **10/03/06 16:35**

Client ID: Run ID: **VOA2_061003A** SeqNo: **962558** Prep Date: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	U	5.0								
1,1,2,2-Tetrachloroethane	U	5.0								
1,1,2-Trichloroethane	U	5.0								
1,1-Dichloroethane	U	5.0								
1,1-Dichloroethene	U	5.0								
1,2,4-Trimethylbenzene	U	5.0								
1,2-Dichloroethane	U	5.0								
1,2-Dichloropropane	U	5.0								
1,3,5-Trimethylbenzene	U	5.0								
2-Butanone	U	10								
2-Hexanone	U	10								
4-Methyl-2-pentanone	U	10								
Acetone	U	10								
Benzene	U	5.0								
Bromodichloromethane	U	5.0								
Bromoform	U	5.0								
Bromomethane	U	5.0								
Carbon disulfide	U	10								
Carbon tetrachloride	U	5.0								
Chlorobenzene	U	5.0								
Chloroethane	U	5.0								
Chloroform	U	5.0								
Chloromethane	U	5.0								
cis-1,2-Dichloroethene	U	5.0								
cis-1,3-Dichloropropene	U	5.0								
Dibromochloromethane	U	5.0								
Ethylbenzene	U	5.0								
m,p-Xylene	U	10								
Methyl tert-butyl ether	U	5.0								
Methylene chloride	U	10								
n-Butylbenzene	U	5.0								
Naphthalene	U	5.0								
o-Xylene	U	5.0								
sec-Butylbenzene	U	5.0								
Styrene	U	5.0								
Tetrachloroethene	U	5.0								
Toluene	U	5.0								
trans-1,2-Dichloroethene	U	5.0								
trans-1,3-Dichloropropene	U	5.0								
Trichloroethene	U	5.0								

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CLIENT: Terracon Consulting Engineers & Scientists
Work Order: 0609422
Project: 9206792/N. Gillette

QC BATCH REPORT

Batch ID: **R42319** Instrument ID **VOA2** Method: **SW8260**

Vinyl chloride	U	2.0					
Xylenes, Total	U	15					
Surr: 1,2-Dichloroethane-d4	*47.21*	5.0	*50*	0	*94.4*	*70-125*	0
Surr: 4-Bromofluorobenzene	*43.8*	5.0	*50*	0	*87.6*	*72.4-125*	0
Surr: Dibromofluoromethane	*44.57*	5.0	*50*	0	*89.1*	*71.2-125*	0
Surr: Toluene-d8	*50.36*	5.0	*50*	0	*101*	*75-125*	0

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CLIENT: Terracon Consulting Engineers & Scientists
Work Order: 0609422
Project: 9206792/N. Gillette

QC BATCH REPORT

Batch ID: **R42319** Instrument ID **VOA2** Method: **SW8260**

LCS Sample ID: **VLCSW-061003** Units: **µg/L** Analysis Date: **10/03/06 15:43**

Client ID: Run ID: **VOA2_061003A** SeqNo: **962557** Prep Date: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	51.47	5.0	50	0	103	79.6-120	0			
1,1,2,2-Tetrachloroethane	51.57	5.0	50	0	103	78.9-121	0			
1,1,2-Trichloroethane	49.99	5.0	50	0	100	80-120	0			
1,1-Dichloroethane	50.86	5.0	50	0	102	74.2-122	0			
1,1-Dichloroethene	52.11	5.0	50	0	104	75.8-122	0			
1,2,4-Trimethylbenzene	54.18	5.0	50	0	108	80-120	0			
1,2-Dichloroethane	50.79	5.0	50	0	102	78.8-120	0			
1,2-Dichloropropane	51.75	5.0	50	0	103	80-120	0			
1,3,5-Trimethylbenzene	54.38	5.0	50	0	109	80-120	0			
2-Butanone	102.7	10	100	0	103	69.2-131	0			
2-Hexanone	112.1	10	100	0	112	59.1-135	0			
4-Methyl-2-pentanone	108.7	10	100	0	109	71.6-124	0			
Acetone	98.09	10	100	0	98.1	60.1-141	0			
Benzene	50.61	5.0	50	0	101	80-120	0			
Bromodichloromethane	52.23	5.0	50	0	104	80-120	0			
Bromoform	50.59	5.0	50	0	101	78.1-120	0			
Bromomethane	52.68	5.0	50	0	105	52.8-147	0			
Carbon disulfide	106.8	10	100	0	107	78.8-120	0			
Carbon tetrachloride	47.29	5.0	50	0	94.6	76.8-120	0			
Chlorobenzene	50.35	5.0	50	0	101	80-120	0			
Chloroethane	55.13	5.0	50	0	110	74.2-120	0			
Chloroform	51.14	5.0	50	0	102	80-120	0			
Chloromethane	52.64	5.0	50	0	105	63.5-133	0			
cis-1,2-Dichloroethene	52.16	5.0	50	0	104	80-120	0			
cis-1,3-Dichloropropene	54.87	5.0	50	0	110	80-120	0			
Dibromochloromethane	53.87	5.0	50	0	108	80-120	0			
Ethylbenzene	53.26	5.0	50	0	107	80-120	0			
m,p-Xylene	105.8	10	100	0	106	80-120	0			
Methyl tert-butyl ether	51.95	5.0	50	0	104	75.8-123	0			
Methylene chloride	51.4	10	50	0	103	74.7-120	0			
n-Butylbenzene	55.21	5.0	50	0	110	80-120	0			
Naphthalene	53.81	5.0	50	0	108	71.4-124	0			
o-Xylene	53.3	5.0	50	0	107	80-120	0			
sec-Butylbenzene	54.62	5.0	50	0	109	80-120	0			
Styrene	54.59	5.0	50	0	109	80-120	0			
Tetrachloroethene	50.76	5.0	50	0	102	80-120	0			
Toluene	52.15	5.0	50	0	104	80-120	0			
trans-1,2-Dichloroethene	51.88	5.0	50	0	104	75.9-122	0			
trans-1,3-Dichloropropene	54.12	5.0	50	0	108	80-120	0			
Trichloroethene	51.44	5.0	50	0	103	80-120	0			

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CLIENT: Terracon Consulting Engineers & Scientists
Work Order: 0609422
Project: 9206792/N. Gillette

QC BATCH REPORT

Batch ID: **R42319** Instrument ID **VOA2** Method: **SW8260**

Vinyl chloride	52.72	2.0	50	0	105	76.2-121	0
Xylenes, Total	159.1	15	150	0	106	80-120	0
Surr: 1,2-Dichloroethane-d4	*46.84*	5.0	*50*	0	*93.7*	*70-125*	0
Surr: 4-Bromofluorobenzene	*48.4*	5.0	*50*	0	*96.8*	*72.4-125*	0
Surr: Dibromofluoromethane	*46.28*	5.0	*50*	0	*92.6*	*71.2-125*	0
Surr: Toluene-d8	*49.43*	5.0	*50*	0	*98.9*	*75-125*	0

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CLIENT: Terracon Consulting Engineers & Scientists
Work Order: 0609422
Project: 9206792/N. Gillette

QC BATCH REPORT

Batch ID: **R42319** Instrument ID **VOA2** Method: **SW8260**

MS Sample ID: **0610008-01AMS** Units: **µg/L** Analysis Date: **10/03/06 17:51**

Client ID: Run ID: **VOA2_061003A** SeqNo: **962608** Prep Date: DF: **500**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	22070	2,500	25000	0	88.3	79.6-120		0		
1,1,2,2-Tetrachloroethane	25090	2,500	25000	0	100	78.9-121		0		
1,1,2-Trichloroethane	24080	2,500	25000	0	96.3	80-120		0		
1,1-Dichloroethane	23050	2,500	25000	0	92.2	74.2-122		0		
1,1-Dichloroethene	21480	2,500	25000	0	85.9	75.8-122		0		
1,2,4-Trimethylbenzene	23600	2,500	25000	0	94.4	80-120		0		
1,2-Dichloroethane	25780	2,500	25000	0	103	78.8-120		0		
1,2-Dichloropropane	24030	2,500	25000	0	96.1	80-120		0		
1,3,5-Trimethylbenzene	22780	2,500	25000	0	91.1	80-120		0		
2-Butanone	49680	5,000	50000	0	99.4	69.2-131		0		
2-Hexanone	49960	5,000	50000	0	99.9	59.1-135		0		
4-Methyl-2-pentanone	51690	5,000	50000	0	103	71.6-124		0		
Acetone	48060	5,000	50000	0	96.1	60.1-141		0		
Benzene	33580	2,500	25000	9632	95.8	80-120		0		
Bromodichloromethane	25130	2,500	25000	0	101	80-120		0		
Bromoform	23620	2,500	25000	0	94.5	78.1-120		0		
Bromomethane	24900	2,500	25000	0	99.6	52.8-147		0		
Carbon disulfide	43960	5,000	50000	0	87.9	78.8-120		0		
Carbon tetrachloride	24800	2,500	25000	4998	79.2	76.8-120		0		
Chlorobenzene	61230	2,500	25000	37820	93.6	80-120		0		
Chloroethane	22630	2,500	25000	0	90.5	74.2-120		0		
Chloroform	32820	2,500	25000	8109	98.9	80-120		0		
Chloromethane	22490	2,500	25000	0	90	63.5-133		0		
cis-1,2-Dichloroethene	23250	2,500	25000	0	93	80-120		0		
cis-1,3-Dichloropropene	25530	2,500	25000	0	102	80-120		0		
Dibromochloromethane	25370	2,500	25000	0	101	80-120		0		
Ethylbenzene	23320	2,500	25000	0	93.3	80-120		0		
m,p-Xylene	47330	5,000	50000	267.9	94.1	80-120		0		
Methyl tert-butyl ether	23530	2,500	25000	0	94.1	75.8-123		0		
Methylene chloride	24020	5,000	25000	0	96.1	74.7-120		0		
n-Butylbenzene	21740	2,500	25000	0	87	80-120		0		
Naphthalene	23120	2,500	25000	0	92.5	71.4-124		0		
o-Xylene	24390	2,500	25000	0	97.6	80-120		0		
sec-Butylbenzene	21390	2,500	25000	0	85.5	80-120		0		
Styrene	24730	2,500	25000	0	98.9	80-120		0		
Tetrachloroethene	20900	2,500	25000	0	83.6	80-120		0		
Toluene	23430	2,500	25000	0	93.7	80-120		0		
trans-1,2-Dichloroethene	22580	2,500	25000	0	90.3	75.9-122		0		
trans-1,3-Dichloropropene	24980	2,500	25000	0	99.9	80-120		0		
Trichloroethene	22250	2,500	25000	0	89	80-120		0		

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CLIENT: Terracon Consulting Engineers & Scientists
Work Order: 0609422
Project: 9206792/N. Gillette

QC BATCH REPORT

Batch ID: **R42319** Instrument ID **VOA2** Method: **SW8260**

Vinyl chloride	21460	1,000	25000	0	85.8	76.2-121	0
Xylenes, Total	71720	7,500	75000	267.9	95.3	80-120	0
Surr: 1,2-Dichloroethane-d4	*23450*	2,500	*25000*	0	*93.8*	*70-125*	0
Surr: 4-Bromofluorobenzene	*23630*	2,500	*25000*	0	*94.5*	*72.4-125*	0
Surr: Dibromofluoromethane	*22820*	2,500	*25000*	0	*91.3*	*71.2-125*	0
Surr: Toluene-d8	*23710*	2,500	*25000*	0	*94.8*	*75-125*	0

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CLIENT: Terracon Consulting Engineers & Scientists
Work Order: 0609422
Project: 9206792/N. Gillette

QC BATCH REPORT

Batch ID: **R42319** Instrument ID **VOA2** Method: **SW8260**

MSD Sample ID: **0610008-01AMSD** Units: **µg/L** Analysis Date: **10/03/06 18:17**

Client ID: Run ID: **VOA2_061003A** SeqNo: **962609** Prep Date: DF: **500**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	20730	2,500	25000	0	82.9	79.6-120	22070	6.29	20	
1,1,2,2-Tetrachloroethane	25280	2,500	25000	0	101	78.9-121	25090	0.765	20	
1,1,2-Trichloroethane	24160	2,500	25000	0	96.7	80-120	24080	0.35	20	
1,1-Dichloroethane	22470	2,500	25000	0	89.9	74.2-122	23050	2.54	20	
1,1-Dichloroethene	20580	2,500	25000	0	82.3	75.8-122	21480	4.28	20	
1,2,4-Trimethylbenzene	21980	2,500	25000	0	87.9	80-120	23600	7.13	20	
1,2-Dichloroethane	25260	2,500	25000	0	101	78.8-120	25780	2.03	20	
1,2-Dichloropropane	24160	2,500	25000	0	96.6	80-120	24030	0.55	20	
1,3,5-Trimethylbenzene	21440	2,500	25000	0	85.8	80-120	22780	6.06	20	
2-Butanone	49880	5,000	50000	0	99.8	69.2-131	49680	0.4	20	
2-Hexanone	53940	5,000	50000	0	108	59.1-135	49960	7.65	20	
4-Methyl-2-pentanone	53940	5,000	50000	0	108	71.6-124	51690	4.25	20	
Acetone	49590	5,000	50000	0	99.2	60.1-141	48060	3.15	20	
Benzene	32280	2,500	25000	9632	90.6	80-120	33580	3.95	20	
Bromodichloromethane	24950	2,500	25000	0	99.8	80-120	25130	0.699	20	
Bromoform	24180	2,500	25000	0	96.7	78.1-120	23620	2.32	20	
Bromomethane	24830	2,500	25000	0	99.3	52.8-147	24900	0.267	20	
Carbon disulfide	42350	5,000	50000	0	84.7	78.8-120	43960	3.73	20	
Carbon tetrachloride	23430	2,500	25000	4998	73.7	76.8-120	24800	5.67	20	S
Chlorobenzene	59790	2,500	25000	37820	87.9	80-120	61230	2.38	20	
Chloroethane	22230	2,500	25000	0	88.9	74.2-120	22630	1.79	20	
Chloroform	31980	2,500	25000	8109	95.5	80-120	32820	2.61	20	
Chloromethane	22160	2,500	25000	0	88.7	63.5-133	22490	1.48	20	
cis-1,2-Dichloroethene	23010	2,500	25000	0	92.1	80-120	23250	1.03	20	
cis-1,3-Dichloropropene	25660	2,500	25000	0	103	80-120	25530	0.515	20	
Dibromochloromethane	25600	2,500	25000	0	102	80-120	25370	0.877	20	
Ethylbenzene	22180	2,500	25000	0	88.7	80-120	23320	5.02	20	
m,p-Xylene	44790	5,000	50000	267.9	89	80-120	47330	5.52	20	
Methyl tert-butyl ether	24410	2,500	25000	0	97.6	75.8-123	23530	3.68	20	
Methylene chloride	23740	5,000	25000	0	95	74.7-120	24020	1.17	20	
n-Butylbenzene	19590	2,500	25000	0	78.4	80-120	21740	10.4	20	S
Naphthalene	23650	2,500	25000	0	94.6	71.4-124	23120	2.27	20	
o-Xylene	23300	2,500	25000	0	93.2	80-120	24390	4.57	20	
sec-Butylbenzene	19460	2,500	25000	0	77.8	80-120	21390	9.43	20	S
Styrene	24730	2,500	25000	0	98.9	80-120	24730	0.0219	20	
Tetrachloroethene	19470	2,500	25000	0	77.9	80-120	20900	7.06	20	S
Toluene	22730	2,500	25000	0	90.9	80-120	23430	3.06	20	
trans-1,2-Dichloroethene	21980	2,500	25000	0	87.9	75.9-122	22580	2.69	20	
trans-1,3-Dichloropropene	25310	2,500	25000	0	101	80-120	24980	1.28	20	
Trichloroethene	21650	2,500	25000	0	86.6	80-120	22250	2.75	20	

ND - Not Detected at the Reporting Limit
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in assoc. Method Blank
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
U - Analyzed for but not detected
O - Referenced analyte value is > 4 times amount spiked
P - Dual Column results percent difference > 40%
E - Value above quantitation range

CLIENT: Terracon Consulting Engineers & Scientists
Work Order: 0609422
Project: 9206792/N. Gillette

QC BATCH REPORT

Batch ID: **R42319** Instrument ID **VOA2** Method: **SW8260**

Vinyl chloride	20470	1,000	25000	0	81.9	76.2-121	21460	4.73	20
Xylenes, Total	68090	7,500	75000	267.9	90.4	80-120	71720	5.2	20
Surr: 1,2-Dichloroethane-d4	*22350*	2,500	*25000*	0	*89.4*	*70-125*	23450	*4.78*	*20*
Surr: 4-Bromofluorobenzene	*22960*	2,500	*25000*	0	*91.8*	*72.4-125*	23630	*2.89*	*20*
Surr: Dibromofluoromethane	*21920*	2,500	*25000*	0	*87.7*	*71.2-125*	22820	*4*	*20*
Surr: Toluene-d8	*23130*	2,500	*25000*	0	*92.5*	*75-125*	23710	*2.47*	*20*

The following samples were analyzed in this batch: 0609422-06A 0609422-07A 0609422-08A

ND - Not Detected at the Reporting Limit
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O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: Terracon Consulting Engineers & Scientists
Work Order: 0609422
Project: 9206792/N. Gillette

QC BATCH REPORT

Batch ID: **R42319** Instrument ID **VOA2** Method: **SW8260**

MSD Sample ID: **0610008-01AMSD** Units: **µg/L** Analysis Date: **10/03/06 18:17**

Client ID: Run ID: **VOA2_061003A** SeqNo: **962609** Prep Date: DF: **500**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	20730	2,500	25000	0	82.9	79.6-120	22070	6.29	20	
1,1,2,2-Tetrachloroethane	25280	2,500	25000	0	101	78.9-121	25090	0.765	20	
1,1,2-Trichloroethane	24160	2,500	25000	0	96.7	80-120	24080	0.35	20	
1,1-Dichloroethane	22470	2,500	25000	0	89.9	74.2-122	23050	2.54	20	
1,1-Dichloroethene	20580	2,500	25000	0	82.3	75.8-122	21480	4.28	20	
1,2,4-Trimethylbenzene	21980	2,500	25000	0	87.9	80-120	23600	7.13	20	
1,2-Dichloroethane	25260	2,500	25000	0	101	78.8-120	25780	2.03	20	
1,2-Dichloropropane	24160	2,500	25000	0	96.6	80-120	24030	0.55	20	
1,3,5-Trimethylbenzene	21440	2,500	25000	0	85.8	80-120	22780	6.06	20	
2-Butanone	49880	5,000	50000	0	99.8	69.2-131	49680	0.4	20	
2-Hexanone	53940	5,000	50000	0	108	59.1-135	49960	7.65	20	
4-Methyl-2-pentanone	53940	5,000	50000	0	108	71.6-124	51690	4.25	20	
Acetone	49590	5,000	50000	0	99.2	60.1-141	48060	3.15	20	
Benzene	32280	2,500	25000	9632	90.6	80-120	33580	3.95	20	
Bromodichloromethane	24950	2,500	25000	0	99.8	80-120	25130	0.699	20	
Bromoform	24180	2,500	25000	0	96.7	78.1-120	23620	2.32	20	
Bromomethane	24830	2,500	25000	0	99.3	52.8-147	24900	0.267	20	
Carbon disulfide	42350	5,000	50000	0	84.7	78.8-120	43960	3.73	20	
Carbon tetrachloride	23430	2,500	25000	4998	73.7	76.8-120	24800	5.67	20	S
Chlorobenzene	59790	2,500	25000	37820	87.9	80-120	61230	2.38	20	
Chloroethane	22230	2,500	25000	0	88.9	74.2-120	22630	1.79	20	
Chloroform	31980	2,500	25000	8109	95.5	80-120	32820	2.61	20	
Chloromethane	22160	2,500	25000	0	88.7	63.5-133	22490	1.48	20	
cis-1,2-Dichloroethene	23010	2,500	25000	0	92.1	80-120	23250	1.03	20	
cis-1,3-Dichloropropene	25660	2,500	25000	0	103	80-120	25530	0.515	20	
Dibromochloromethane	25600	2,500	25000	0	102	80-120	25370	0.877	20	
Ethylbenzene	22180	2,500	25000	0	88.7	80-120	23320	5.02	20	
m,p-Xylene	44790	5,000	50000	267.9	89	80-120	47330	5.52	20	
Methyl tert-butyl ether	24410	2,500	25000	0	97.6	75.8-123	23530	3.68	20	
Methylene chloride	23740	5,000	25000	0	95	74.7-120	24020	1.17	20	
n-Butylbenzene	19590	2,500	25000	0	78.4	80-120	21740	10.4	20	S
Naphthalene	23650	2,500	25000	0	94.6	71.4-124	23120	2.27	20	
o-Xylene	23300	2,500	25000	0	93.2	80-120	24390	4.57	20	
sec-Butylbenzene	19460	2,500	25000	0	77.8	80-120	21390	9.43	20	S
Styrene	24730	2,500	25000	0	98.9	80-120	24730	0.0219	20	
Tetrachloroethene	19470	2,500	25000	0	77.9	80-120	20900	7.06	20	S
Toluene	22730	2,500	25000	0	90.9	80-120	23430	3.06	20	
trans-1,2-Dichloroethene	21980	2,500	25000	0	87.9	75.9-122	22580	2.69	20	
trans-1,3-Dichloropropene	25310	2,500	25000	0	101	80-120	24980	1.28	20	
Trichloroethene	21650	2,500	25000	0	86.6	80-120	22250	2.75	20	

ND - Not Detected at the Reporting Limit
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in assoc. Method Blank
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
U - Analyzed for but not detected
O - Referenced analyte value is > 4 times amount spiked
P - Dual Column results percent difference > 40%
E - Value above quantitation range

CLIENT: Terracon Consulting Engineers & Scientists
Work Order: 0609422
Project: 9206792/N. Gillette

QC BATCH REPORT

Batch ID: **R42319** Instrument ID **VOA2** Method: **SW8260**

Vinyl chloride	20470	1,000	25000	0	81.9	76.2-121	21460	4.73	20
Xylenes, Total	68090	7,500	75000	267.9	90.4	80-120	71720	5.2	20
Surr: 1,2-Dichloroethane-d4	*22350*	2,500	*25000*	0	*89.4*	*70-125*	23450	*4.78*	*20*
Surr: 4-Bromofluorobenzene	*22960*	2,500	*25000*	0	*91.8*	*72.4-125*	23630	*2.89*	*20*
Surr: Dibromofluoromethane	*21920*	2,500	*25000*	0	*87.7*	*71.2-125*	22820	*4*	*20*
Surr: Toluene-d8	*23130*	2,500	*25000*	0	*92.5*	*75-125*	23710	*2.47*	*20*

The following samples were analyzed in this batch: 0609422-06A 0609422-07A 0609422-08A

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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CLIENT: Terracon Consulting Engineers & Scientists
Work Order: 0609422
Project: 9206792/N. Gillette

QC BATCH REPORT

Batch ID: **R42384** Instrument ID **VOA1** Method: **SW8260**

MBLK Sample ID: **VBLKW-061004** Units: **µg/L** Analysis Date: **10/04/06 17:36**

Client ID: Run ID: **VOA1_061004A** SeqNo: **964092** Prep Date: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	U	5.0								
1,1,2,2-Tetrachloroethane	U	5.0								
1,1,2-Trichloroethane	U	5.0								
1,1-Dichloroethane	U	5.0								
1,1-Dichloroethene	U	5.0								
1,2,4-Trimethylbenzene	U	5.0								
1,2-Dichloroethane	U	5.0								
1,2-Dichloropropane	U	5.0								
1,3,5-Trimethylbenzene	U	5.0								
2-Butanone	U	10								
2-Hexanone	U	10								
4-Methyl-2-pentanone	U	10								
Acetone	U	10								
Benzene	U	5.0								
Bromodichloromethane	U	5.0								
Bromoform	U	5.0								
Bromomethane	U	5.0								
Carbon disulfide	U	10								
Carbon tetrachloride	U	5.0								
Chlorobenzene	U	5.0								
Chloroethane	U	5.0								
Chloroform	U	5.0								
Chloromethane	U	5.0								
cis-1,2-Dichloroethene	U	5.0								
cis-1,3-Dichloropropene	U	5.0								
Dibromochloromethane	U	5.0								
Ethylbenzene	U	5.0								
m,p-Xylene	U	10								
Methyl tert-butyl ether	U	5.0								
Methylene chloride	U	10								
n-Butylbenzene	U	5.0								
Naphthalene	U	5.0								
o-Xylene	U	5.0								
sec-Butylbenzene	U	5.0								
Styrene	U	5.0								
Tetrachloroethene	U	5.0								
Toluene	U	5.0								
trans-1,2-Dichloroethene	U	5.0								
trans-1,3-Dichloropropene	U	5.0								
Trichloroethene	U	5.0								

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: Terracon Consulting Engineers & Scientists
Work Order: 0609422
Project: 9206792/N. Gillette

QC BATCH REPORT

Batch ID: **R42384** Instrument ID **VOA1** Method: **SW8260**

Vinyl chloride	U	2.0					
Xylenes, Total	U	15					
Surr: 1,2-Dichloroethane-d4	*50.48*	5.0	*50*	0	*101*	*70-125*	0
Surr: 4-Bromofluorobenzene	*53.94*	5.0	*50*	0	*108*	*72.4-125*	0
Surr: Dibromofluoromethane	*53.63*	5.0	*50*	0	*107*	*71.2-125*	0
Surr: Toluene-d8	*54.95*	5.0	*50*	0	*110*	*75-125*	0

ND - Not Detected at the Reporting Limit
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R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: Terracon Consulting Engineers & Scientists
Work Order: 0609422
Project: 9206792/N. Gillette

QC BATCH REPORT

Batch ID: **R42384** Instrument ID **VOA1** Method: **SW8260**

LCS Sample ID: **VLCSW-061004** Units: **µg/L** Analysis Date: **10/04/06 16:38**

Client ID: Run ID: **VOA1_061004A** SeqNo: **964121** Prep Date: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	52.08	5.0	50	0	104	79.6-120		0		
1,1,2,2-Tetrachloroethane	51.44	5.0	50	0	103	78.9-121		0		
1,1,2-Trichloroethane	50.24	5.0	50	0	100	80-120		0		
1,1-Dichloroethane	49.53	5.0	50	0	99.1	74.2-122		0		
1,1-Dichloroethene	50.25	5.0	50	0	101	75.8-122		0		
1,2,4-Trimethylbenzene	49.81	5.0	50	0	99.6	80-120		0		
1,2-Dichloroethane	49.65	5.0	50	0	99.3	78.8-120		0		
1,2-Dichloropropane	49.94	5.0	50	0	99.9	80-120		0		
1,3,5-Trimethylbenzene	49.67	5.0	50	0	99.3	80-120		0		
2-Butanone	99.82	10	100	0	99.8	69.2-131		0		
2-Hexanone	102.7	10	100	0	103	59.1-135		0		
4-Methyl-2-pentanone	103.2	10	100	0	103	71.6-124		0		
Acetone	100.4	10	100	0	100	60.1-141		0		
Benzene	49.24	5.0	50	0	98.5	80-120		0		
Bromodichloromethane	50.95	5.0	50	0	102	80-120		0		
Bromoform	46.97	5.0	50	0	93.9	78.1-120		0		
Bromomethane	52.7	5.0	50	0	105	52.8-147		0		
Carbon disulfide	102.2	10	100	0	102	78.8-120		0		
Carbon tetrachloride	54.88	5.0	50	0	110	76.8-120		0		
Chlorobenzene	49.5	5.0	50	0	99	80-120		0		
Chloroethane	48.39	5.0	50	0	96.8	74.2-120		0		
Chloroform	50.21	5.0	50	0	100	80-120		0		
Chloromethane	49.77	5.0	50	0	99.5	63.5-133		0		
cis-1,2-Dichloroethene	50.89	5.0	50	0	102	80-120		0		
cis-1,3-Dichloropropene	51.53	5.0	50	0	103	80-120		0		
Dibromochloromethane	51.77	5.0	50	0	104	80-120		0		
Ethylbenzene	48.89	5.0	50	0	97.8	80-120		0		
m,p-Xylene	98.08	10	100	0	98.1	80-120		0		
Methyl tert-butyl ether	52.48	5.0	50	0	105	75.8-123		0		
Methylene chloride	50.53	10	50	0	101	74.7-120		0		
n-Butylbenzene	50.95	5.0	50	0	102	80-120		0		
Naphthalene	54.04	5.0	50	0	108	71.4-124		0		
o-Xylene	49.35	5.0	50	0	98.7	80-120		0		
sec-Butylbenzene	51.89	5.0	50	0	104	80-120		0		
Styrene	49.79	5.0	50	0	99.6	80-120		0		
Tetrachloroethene	51.63	5.0	50	0	103	80-120		0		
Toluene	48.65	5.0	50	0	97.3	80-120		0		
trans-1,2-Dichloroethene	51.39	5.0	50	0	103	75.9-122		0		
trans-1,3-Dichloropropene	52.03	5.0	50	0	104	80-120		0		
Trichloroethene	51.72	5.0	50	0	103	80-120		0		

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
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R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: Terracon Consulting Engineers & Scientists
Work Order: 0609422
Project: 9206792/N. Gillette

QC BATCH REPORT

Batch ID: **R42384** Instrument ID **VOA1** Method: **SW8260**

Vinyl chloride	54.4	2.0	50	0	109	76.2-121	0
Xylenes, Total	147.4	15	150	0	98.3	80-120	0
Surr: 1,2-Dichloroethane-d4	*51.97*	5.0	*50*	0	*104*	*70-125*	0
Surr: 4-Bromofluorobenzene	*55.55*	5.0	*50*	0	*111*	*72.4-125*	0
Surr: Dibromofluoromethane	*55.52*	5.0	*50*	0	*111*	*71.2-125*	0
Surr: Toluene-d8	*55.81*	5.0	*50*	0	*112*	*75-125*	0

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R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
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CLIENT: Terracon Consulting Engineers & Scientists
Work Order: 0609422
Project: 9206792/N. Gillette

QC BATCH REPORT

Batch ID: **R42384** Instrument ID **VOA1** Method: **SW8260**

LCS Sample ID: **VLCSW-061004** Units: **µg/L** Analysis Date: **10/04/06 16:38**

Client ID: Run ID: **VOA1_061004A** SeqNo: **964121** Prep Date: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	52.08	5.0	50	0	104	79.6-120		0		
1,1,2,2-Tetrachloroethane	51.44	5.0	50	0	103	78.9-121		0		
1,1,2-Trichloroethane	50.24	5.0	50	0	100	80-120		0		
1,1-Dichloroethane	49.53	5.0	50	0	99.1	74.2-122		0		
1,1-Dichloroethene	50.25	5.0	50	0	101	75.8-122		0		
1,2,4-Trimethylbenzene	49.81	5.0	50	0	99.6	80-120		0		
1,2-Dichloroethane	49.65	5.0	50	0	99.3	78.8-120		0		
1,2-Dichloropropane	49.94	5.0	50	0	99.9	80-120		0		
1,3,5-Trimethylbenzene	49.67	5.0	50	0	99.3	80-120		0		
2-Butanone	99.82	10	100	0	99.8	69.2-131		0		
2-Hexanone	102.7	10	100	0	103	59.1-135		0		
4-Methyl-2-pentanone	103.2	10	100	0	103	71.6-124		0		
Acetone	100.4	10	100	0	100	60.1-141		0		
Benzene	49.24	5.0	50	0	98.5	80-120		0		
Bromodichloromethane	50.95	5.0	50	0	102	80-120		0		
Bromoform	46.97	5.0	50	0	93.9	78.1-120		0		
Bromomethane	52.7	5.0	50	0	105	52.8-147		0		
Carbon disulfide	102.2	10	100	0	102	78.8-120		0		
Carbon tetrachloride	54.88	5.0	50	0	110	76.8-120		0		
Chlorobenzene	49.5	5.0	50	0	99	80-120		0		
Chloroethane	48.39	5.0	50	0	96.8	74.2-120		0		
Chloroform	50.21	5.0	50	0	100	80-120		0		
Chloromethane	49.77	5.0	50	0	99.5	63.5-133		0		
cis-1,2-Dichloroethene	50.89	5.0	50	0	102	80-120		0		
cis-1,3-Dichloropropene	51.53	5.0	50	0	103	80-120		0		
Dibromochloromethane	51.77	5.0	50	0	104	80-120		0		
Ethylbenzene	48.89	5.0	50	0	97.8	80-120		0		
m,p-Xylene	98.08	10	100	0	98.1	80-120		0		
Methyl tert-butyl ether	52.48	5.0	50	0	105	75.8-123		0		
Methylene chloride	50.53	10	50	0	101	74.7-120		0		
n-Butylbenzene	50.95	5.0	50	0	102	80-120		0		
Naphthalene	54.04	5.0	50	0	108	71.4-124		0		
o-Xylene	49.35	5.0	50	0	98.7	80-120		0		
sec-Butylbenzene	51.89	5.0	50	0	104	80-120		0		
Styrene	49.79	5.0	50	0	99.6	80-120		0		
Tetrachloroethene	51.63	5.0	50	0	103	80-120		0		
Toluene	48.65	5.0	50	0	97.3	80-120		0		
trans-1,2-Dichloroethene	51.39	5.0	50	0	103	75.9-122		0		
trans-1,3-Dichloropropene	52.03	5.0	50	0	104	80-120		0		
Trichloroethene	51.72	5.0	50	0	103	80-120		0		

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: Terracon Consulting Engineers & Scientists
Work Order: 0609422
Project: 9206792/N. Gillette

QC BATCH REPORT

Batch ID: **R42384** Instrument ID **VOA1** Method: **SW8260**

MS Sample ID: **0609422-08AMS** Units: **µg/L** Analysis Date: **10/04/06 19:03**

Client ID: **MW-22** Run ID: **VOA1_061004A** SeqNo: **964122** Prep Date: DF: **25**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	1168	120	1250	0	93.5	79.6-120	0			
1,1,2,2-Tetrachloroethane	1320	120	1250	0	106	78.9-121	0			
1,1,2-Trichloroethane	1279	120	1250	0	102	80-120	0			
1,1-Dichloroethane	1188	120	1250	0	95	74.2-122	0			
1,1-Dichloroethene	1084	120	1250	0	86.7	75.8-122	0			
1,2,4-Trimethylbenzene	1513	120	1250	385.1	90.2	80-120	0			
1,2-Dichloroethane	1271	120	1250	0	102	78.8-120	0			
1,2-Dichloropropane	1264	120	1250	0	101	80-120	0			
1,3,5-Trimethylbenzene	1230	120	1250	132.9	87.7	80-120	0			
2-Butanone	2641	250	2500	0	106	69.2-131	0			
2-Hexanone	2599	250	2500	0	104	59.1-135	0			
4-Methyl-2-pentanone	2708	250	2500	0	108	71.6-124	0			
Acetone	2452	250	2500	0	98.1	60.1-141	0			
Benzene	2202	120	1250	1057	91.6	80-120	0			
Bromodichloromethane	1320	120	1250	0	106	80-120	0			
Bromoform	1221	120	1250	0	97.7	78.1-120	0			
Bromomethane	1139	120	1250	0	91.1	52.8-147	0			
Carbon disulfide	2239	250	2500	0	89.6	78.8-120	0			
Carbon tetrachloride	1154	120	1250	0	92.3	76.8-120	0			
Chlorobenzene	1198	120	1250	0	95.8	80-120	0			
Chloroethane	1145	120	1250	0	91.6	74.2-120	0			
Chloroform	1253	120	1250	0	100	80-120	0			
Chloromethane	1202	120	1250	0	96.2	63.5-133	0			
cis-1,2-Dichloroethene	1256	120	1250	0	100	80-120	0			
cis-1,3-Dichloropropene	1309	120	1250	0	105	80-120	0			
Dibromochloromethane	1328	120	1250	0	106	80-120	0			
Ethylbenzene	1325	120	1250	198.5	90.1	80-120	0			
m,p-Xylene	2744	250	2500	449	91.8	80-120	0			
Methyl tert-butyl ether	2886	120	1250	1822	85.2	75.8-123	0			
Methylene chloride	1269	250	1250	0	102	74.7-120	0			
n-Butylbenzene	1059	120	1250	0	84.8	80-120	0			
Naphthalene	1739	120	1250	475.4	101	71.4-124	0			
o-Xylene	1203	120	1250	29.41	93.9	80-120	0			
sec-Butylbenzene	1072	120	1250	0	85.8	80-120	0			
Styrene	1218	120	1250	0	97.5	80-120	0			
Tetrachloroethene	1112	120	1250	0	88.9	80-120	0			
Toluene	1170	120	1250	16.27	92.3	80-120	0			
trans-1,2-Dichloroethene	996.1	120	1250	0	79.7	75.9-122	0			
trans-1,3-Dichloropropene	1292	120	1250	0	103	80-120	0			
Trichloroethene	1176	120	1250	0	94.1	80-120	0			

ND - Not Detected at the Reporting Limit
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R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: Terracon Consulting Engineers & Scientists
Work Order: 0609422
Project: 9206792/N. Gillette

QC BATCH REPORT

Batch ID: **R42384** Instrument ID **VOA1** Method: **SW8260**

MS Sample ID: **0609422-08AMS** Units: **µg/L** Analysis Date: **10/04/06 19:03**

Client ID: **MW-22** Run ID: **VOA1_061004A** SeqNo: **964122** Prep Date: DF: **25**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	1168	120	1250	0	93.5	79.6-120	0			
1,1,2,2-Tetrachloroethane	1320	120	1250	0	106	78.9-121	0			
1,1,2-Trichloroethane	1279	120	1250	0	102	80-120	0			
1,1-Dichloroethane	1188	120	1250	0	95	74.2-122	0			
1,1-Dichloroethene	1084	120	1250	0	86.7	75.8-122	0			
1,2,4-Trimethylbenzene	1513	120	1250	385.1	90.2	80-120	0			
1,2-Dichloroethane	1271	120	1250	0	102	78.8-120	0			
1,2-Dichloropropane	1264	120	1250	0	101	80-120	0			
1,3,5-Trimethylbenzene	1230	120	1250	132.9	87.7	80-120	0			
2-Butanone	2641	250	2500	0	106	69.2-131	0			
2-Hexanone	2599	250	2500	0	104	59.1-135	0			
4-Methyl-2-pentanone	2708	250	2500	0	108	71.6-124	0			
Acetone	2452	250	2500	0	98.1	60.1-141	0			
Benzene	2202	120	1250	1057	91.6	80-120	0			
Bromodichloromethane	1320	120	1250	0	106	80-120	0			
Bromoform	1221	120	1250	0	97.7	78.1-120	0			
Bromomethane	1139	120	1250	0	91.1	52.8-147	0			
Carbon disulfide	2239	250	2500	0	89.6	78.8-120	0			
Carbon tetrachloride	1154	120	1250	0	92.3	76.8-120	0			
Chlorobenzene	1198	120	1250	0	95.8	80-120	0			
Chloroethane	1145	120	1250	0	91.6	74.2-120	0			
Chloroform	1253	120	1250	0	100	80-120	0			
Chloromethane	1202	120	1250	0	96.2	63.5-133	0			
cis-1,2-Dichloroethene	1256	120	1250	0	100	80-120	0			
cis-1,3-Dichloropropene	1309	120	1250	0	105	80-120	0			
Dibromochloromethane	1328	120	1250	0	106	80-120	0			
Ethylbenzene	1325	120	1250	198.5	90.1	80-120	0			
m,p-Xylene	2744	250	2500	449	91.8	80-120	0			
Methyl tert-butyl ether	2886	120	1250	1822	85.2	75.8-123	0			
Methylene chloride	1269	250	1250	0	102	74.7-120	0			
n-Butylbenzene	1059	120	1250	0	84.8	80-120	0			
Naphthalene	1739	120	1250	475.4	101	71.4-124	0			
o-Xylene	1203	120	1250	29.41	93.9	80-120	0			
sec-Butylbenzene	1072	120	1250	0	85.8	80-120	0			
Styrene	1218	120	1250	0	97.5	80-120	0			
Tetrachloroethene	1112	120	1250	0	88.9	80-120	0			
Toluene	1170	120	1250	16.27	92.3	80-120	0			
trans-1,2-Dichloroethene	996.1	120	1250	0	79.7	75.9-122	0			
trans-1,3-Dichloropropene	1292	120	1250	0	103	80-120	0			
Trichloroethene	1176	120	1250	0	94.1	80-120	0			

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: Terracon Consulting Engineers & Scientists
Work Order: 0609422
Project: 9206792/N. Gillette

QC BATCH REPORT

Batch ID: **R42384** Instrument ID **VOA1** Method: **SW8260**

MSD Sample ID: **0609422-08AMSD** Units: **µg/L** Analysis Date: **10/04/06 19:32**

Client ID: **MW-22** Run ID: **VOA1_061004A** SeqNo: **964123** Prep Date: DF: **25**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	1186	120	1250	0	94.8	79.6-120	1168	1.45	20	
1,1,2,2-Tetrachloroethane	1275	120	1250	0	102	78.9-121	1320	3.46	20	
1,1,2-Trichloroethane	1291	120	1250	0	103	80-120	1279	0.93	20	
1,1-Dichloroethane	1263	120	1250	0	101	74.2-122	1188	6.11	20	
1,1-Dichloroethene	1180	120	1250	0	94.4	75.8-122	1084	8.44	20	
1,2,4-Trimethylbenzene	1465	120	1250	385.1	86.4	80-120	1513	3.19	20	
1,2-Dichloroethane	1280	120	1250	0	102	78.8-120	1271	0.705	20	
1,2-Dichloropropane	1271	120	1250	0	102	80-120	1264	0.544	20	
1,3,5-Trimethylbenzene	1194	120	1250	132.9	84.9	80-120	1230	2.93	20	
2-Butanone	2723	250	2500	0	109	69.2-131	2641	3.06	20	
2-Hexanone	2630	250	2500	0	105	59.1-135	2599	1.2	20	
4-Methyl-2-pentanone	2636	250	2500	0	105	71.6-124	2708	2.7	20	
Acetone	2611	250	2500	0	104	60.1-141	2452	6.28	20	
Benzene	2205	120	1250	1057	91.8	80-120	2202	0.137	20	
Bromodichloromethane	1301	120	1250	0	104	80-120	1320	1.47	20	
Bromoform	1205	120	1250	0	96.4	78.1-120	1221	1.27	20	
Bromomethane	1404	120	1250	0	112	52.8-147	1139	20.8	20	R
Carbon disulfide	2353	250	2500	0	94.1	78.8-120	2239	4.96	20	
Carbon tetrachloride	1155	120	1250	0	92.4	76.8-120	1154	0.053	20	
Chlorobenzene	1189	120	1250	0	95.1	80-120	1198	0.761	20	
Chloroethane	1083	120	1250	0	86.6	74.2-120	1145	5.62	20	
Chloroform	1258	120	1250	0	101	80-120	1253	0.407	20	
Chloromethane	1260	120	1250	0	101	63.5-133	1202	4.64	20	
cis-1,2-Dichloroethene	1305	120	1250	0	104	80-120	1256	3.85	20	
cis-1,3-Dichloropropene	1297	120	1250	0	104	80-120	1309	0.918	20	
Dibromochloromethane	1320	120	1250	0	106	80-120	1328	0.662	20	
Ethylbenzene	1295	120	1250	198.5	87.7	80-120	1325	2.29	20	
m,p-Xylene	2665	250	2500	449	88.6	80-120	2744	2.94	20	
Methyl tert-butyl ether	2639	120	1250	1822	65.4	75.8-123	2886	8.94	20	S
Methylene chloride	1183	250	1250	0	94.6	74.7-120	1269	7.05	20	
n-Butylbenzene	1026	120	1250	0	82.1	80-120	1059	3.23	20	
Naphthalene	1767	120	1250	475.4	103	71.4-124	1739	1.6	20	
o-Xylene	1201	120	1250	29.41	93.7	80-120	1203	0.189	20	
sec-Butylbenzene	1041	120	1250	0	83.2	80-120	1072	2.97	20	
Styrene	1197	120	1250	0	95.7	80-120	1218	1.79	20	
Tetrachloroethene	1093	120	1250	0	87.5	80-120	1112	1.68	20	
Toluene	1172	120	1250	16.27	92.4	80-120	1170	0.148	20	
trans-1,2-Dichloroethene	981.4	120	1250	0	78.5	75.9-122	996.1	1.48	20	
trans-1,3-Dichloropropene	1286	120	1250	0	103	80-120	1292	0.467	20	
Trichloroethene	1140	120	1250	0	91.2	80-120	1176	3.04	20	

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O - Referenced analyte value is > 4 times amount spiked
P - Dual Column results percent difference > 40%
E - Value above quantitation range

CLIENT: Terracon Consulting Engineers & Scientists
Work Order: 0609422
Project: 9206792/N. Gillette

QC BATCH REPORT

Batch ID: **R42384** Instrument ID **VOA1** Method: **SW8260**

Vinyl chloride	1225	50	1250	0	98	76.2-121	1217	0.695	20
Xylenes, Total	3866	380	3750	478.4	90.3	80-120	3947	2.09	20
Surr: 1,2-Dichloroethane-d4	*1330*	120	*1250*	0	*106*	*70-125*	1328	*0.162*	*20*
Surr: 4-Bromofluorobenzene	*1396*	120	*1250*	0	*112*	*72.4-125*	1389	*0.494*	*20*
Surr: Dibromofluoromethane	*1414*	120	*1250*	0	*113*	*71.2-125*	1365	*3.59*	*20*
Surr: Toluene-d8	*1387*	120	*1250*	0	*111*	*75-125*	1384	*0.222*	*20*

The following samples were analyzed in this batch: 0609422-08A 0609422-09A

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B - Analyte detected in assoc. Method Blank
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E - Value above quantitation range

e-Lab ANALYTICAL
QUALITY • INTEGRITY • SERVICE

10450 Stancliff Rd. #210
Houston, Texas 77099
(Tel) 281.530.5656
(Fax) 281.530.5887

Chain of Custody Form

Page 1 of 1

3352 128th Avenue
Holland, Michigan 49424
(Tel) 616.399.6070
(Fax) 616.399.6185

e-Lab Project Manager: | e-Lab Work Order #: 0609422

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order	75385	Project Name	N. Gillette	A	VOC 8260
Work Order		Project Number	9206792	B	Total Metals RCRA 8
Company Name	HBC Terracon	Bill To Company	HBC Terracon	C	Moisture
Send Report To	Prasad Rajulu	Invoice Attn	Prasad Rajulu	D	
Address	11555 Clay Road Suite 100	Address	11555 Clay Road Suite 100	E	
				F	
City/State/Zip	Houston, TX 77043	City/State/Zip	Houston, TX 77043	G	
Phone	(713) 690-8989	Phone	(713) 690-8989	H	
Fax	(713) 690-8787	Fax	(713) 690-8787	I	
e-Mail Address		e-Mail Address		J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	TMW-1	9/27/06	0945	H2O	HNO3	1		X									
2	TMW-2		1029			1		X									
3	TMW-3		1107			1		X									
4	TMW-4		1152			1		X									
5	MW-12		1238		HNO3/HCl	4	X	X									
6	Dup-1		[illegible]				X	X									
7	MW-24		1304				X	X									
8	MW-22		1348				X	X									
9	MW-19		1429				X	X									
10																	

Sampler(s) Please Print & Sign: Josh McFallain

Shipment Method:

Required Turnaround Time: (Check Box) ☐ Std 10 WK Days ☑ 5 WK Days ☐ Other ____ ☐ 2 WK Days ☐ 24 Hour

Results Due Date:

Relinquished by:	Date: 9/27/06	Time: 9.27.06 1020	Received by:	Notes:
Relinquished by:	Date:	Time:	Received by (Laboratory): [signature] 9.27.06 1020	e-Lab Analytical Cooler ID / Cooler Temp.
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	

QC Package: (Check One Box Below)
☐ Level II Std QC ☑ TRRP CheckList
☐ Level III Std QC/Raw Data ☐ TRRP Level IV
☐ Level IV SW846/CLP
☐ Other ____

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to e-Lab Analytical, Inc.
2. Unless otherwise agreed in a formal contract, services provided by e-Lab Analytical, Inc. are expressly limited to the terms and conditions stated on the reverse.

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Sample Receipt Checklist

Client Name TERRACON

Date/Time Received: 9/27/2006 4:20:00 PM

Work Order Number 0609422

Received by: RSZ

Checklist completed by RICHARD SANCHEZ 9-28-06 (Signature / Date)

Reviewed by [illegible] 9/29/06 (Initials / Date)

Matrix: W

Carrier name Client

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	2.7c	002	
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐

Adjusted? _____ Checked by _____

Login Notes: Trip blank not on COC; logged in without analysis.

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

D609422

e-Lab Analytical, Inc.
10450 Stancliff Rd., Suite 210
Houston, Texas 77099
Tel. 281.530.5656
Fax. 218.530.5887

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CUSTODY SEAL

Date: _____ Time: _____
Name: _____
Company: _____

Seal Broken By: RS
Date: 9-27-06