FINAL
ANNUAL GROUNDWATER MONITORING REPORT 2006-2007
BUILDING 45

NCDENR Incident Number: 22890
Marine Corps Base
Camp Lejeune, North Carolina

June 14, 2007

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LIST OF ACRONYMS

2000 Guidelines	Groundwater Section Guidelines for Investigation and Remediation of Soil and Groundwater
2001 Guidelines	Guidelines for Assessment and Corrective Action, North Carolina Underground Storage Tank Section (Effective July 1, 2001)
2L GWQS	NCAC T15A:02L Groundwater Quality Standards
AS	Air Sparge
AST	Aboveground Storage Tank
BDL	Below Detection Limit
BN	Base/Neutral (extractables)
BNA	Base/Neutral/Acid (extractables)
BQL	Below Quantitation Limit
BLS	Below Land Surface
BTEX	Benzene, Toluene, Ethylbenzene, Xylenes
CAP	Corrective Action Plan
CFR	Code of Federal Regulations
Cr	Chromium
CSA	Comprehensive Site Assessment
DIPE	Di-isopropyl Ether
DO	Dissolved Oxygen
DOD	Department of Defense
DPT	Direct Push Technology
DWQ	Division of Water Quality
DWM	Division of Waste Management
DTW	Depth to Water
EDB	Ethylene di-bromide
EMD	Environmental Management Division
EPA	Environmental Protection Agency
EPH	Extractable Petroleum Hydrocarbons
EQB	Environmental Quality Branch
Fe	Iron
FID	Flame Ionization Detector
FT	Feet
GCL	Gross Contaminant Level
GIS	Geographic Information System
GPS	Global Positioning System
Guidelines Vol. II	Groundwater Section Guidelines for Investigation and Remediation of Soil and Groundwater, Volume II, Petroleum Underground Storage Tanks (January 2, 1998)
HDPE	High Density Polyethylene
I/C	Industrial/Commercial
ID	Identification
I&E	Installations and Environment Department
IGWQS	Interim Groundwater Quality Standards
IPE	Isopropyl Ether
LSA	Limited Site Assessment
LUST	Leaking Underground Storage Tank
m	Meter
MADEP	Massachusetts Department of Environmental Protection
MCAS	Marine Corps Air Station

MCB	Marine Corps Base
MDL	Method Detection Limit
mg/Kg	Milligrams per Kilogram
mg/L	Milligrams per Liter
MSCC	Maximum Soil Contaminant Concentration
MSL	Mean Sea Level
MTBE	Methyl tertiary butyl ether
µg/Kg	Micrograms per Kilogram
µg/L	Micrograms per Liter
NA	Not Analyzed
N/A	Not Applicable
NAVFAC	Naval Facilities Engineering Command Atlantic
NC	North Carolina
NCAC	North Carolina Administrative Code
NCDENR	North Carolina Department of Environment and Natural Resources
NE	None Established
NM	Not Measured
NMT	No Measurable Thickness
NS	Not Sampled
OVA	Organic Vapor Analyzer
PAH	Polynuclear Aromatic Hydrocarbons
Pb	Lead
PPB	Parts Per Billion
PPM	Parts Per Million
PID	Photo Ionization Detector
PQL	Practical Quantitation Limit
PVC	Polyvinyl chloride
RBCA	Risk-Based Corrective Action
RCRA	Resource Conservation and Recovery Act
Res	Residential
SOW	Scope of Work
STGW	Soil-to-Groundwater
SVE	Soil Vapor Extraction
SVOC	Semi Volatile Organic Compound
TCLP	Toxicity Characteristic Leaching Procedure
TIC	Tentatively Identified Compound
TOC	Top of Casing
TPH	Total Petroleum Hydrocarbons
US	United States
USCS	Unified Soil Classification System
USEPA	United States Environmental Protection Agency
USGS	United States Geological Survey
UST	Underground Storage Tank
VOC	Volatile Organic Compounds
VPH	Volatile Petroleum Hydrocarbons
WiRO	NCDENR Wilmington Regional Office

EXECUTIVE SUMMARY

The Building 45 site is located approximately one-half mile northwest of the main gate of Marine Corps Base (MCB) Camp Lejeune, North Carolina. The site is adjacent to and south of North Carolina Highway 24. It is an underground storage tank (UST) remediation site, as well as part of the Camp Lejeune Installation Restoration (IR) program Site 84, which is being addressed under Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). Building 45 was originally an electric substation that was converted to a heavy equipment and maintenance shop in 1965. The building was demolished in 1999. Previous investigations show it can be classified as an intermediate risk with industrial/commercial land use.

Several petroleum USTs were used at the site and served as the sources for the site's petroleum contamination. UST S-941-1 was a 6,000-gallon steel tank used for diesel and UST S-941-2 was a 550-gallon steel tank used for gasoline. These two tanks are the main source of petroleum contamination and were located near the front of the site, northeast of former Building 45. Two other USTs were located at the site, as well. A 1,000-gallon used-oil UST (UST-45-1) was removed from the site near the rear of the building, and the fourth tank, a 500-gallon heating oil UST, was located at the northwest corner of former Building 45. It was removed by J.A. Jones Environmental Services Inc. (J.A. Jones) in 1999.

Site assessments conducted of the gasoline, diesel, and used oil tank areas in the early 1990s identified soil and groundwater contamination at the site. These assessments were used to formulate a CAP in 1996. The CAP, developed by LAW, recommended an air sparge/soil vapor extraction system for soil and groundwater remediation. The system was installed by J.A. Jones and began operation in April 1998.

Monitoring and maintenance of the groundwater treatment system at the Bldg 45 site has continued from installation in 1998 to the present. The current monitoring program was initiated in June 2006 and continued through May 2007. Field activities included system inspections, monitoring, and maintenance of the system, until it was shut down with North Carolina Department of Environment and Natural Resources (NCDENR) approval in November 2006. Site monitoring wells were also gauged and sampled for petroleum contamination. Gaguging and sampling events occurred in July 2006, November 2006, and January 2007

Free product was not present in any site well during the monitoring period and has not been observed at the site since 2001. Only benzene and bis(2-ethylhexyl)phthalate was detected in site groundwater above the NCGWQSs. Benzene was detected in monitoring well MW-09, a deep well near former USTs 941-1 and 941-2, and bis(2-ethylhexyl)phthalate was detected in MW04/45. Other detected volatile and semi-volatile organic compounds were present at concentrations below the applicable NCGWQSs. Lead was detected in monitoring wells MW15 and MW18, but at concentrations well below the NCGWQS of 15 µg/L.

Based on fieldwork and laboratory analytical data from the 2006-2007 monitoring period, Sovereign recommends that MCB Camp Lejeune continues groundwater gauging and sampling of shallow monitoring wells (MW13, MW14, MW15, MW01/45, and MW04/45) and deep monitoring wells (MW06, MW09, and MW21) on the current program frequency and reports the

findings in an Annual Groundwater Monitoring Report. Groundwater should be analyzed using EPA Methods 8260, 8270, and 6010A with Standard Prep Method 3030C. MCB Camp Lejeune should also continue tracking soil contaminant concentrations to monitor the effects of natural attenuation. If free product does not re-occur, soil contaminant levels attenuate to below the lowest of the applicable MSCCs, and groundwater contaminants remain below GCLs, then the site would qualify for No Further Action with Land Use Restrictions. Additional corrective action, however, would be required if free product returns, soils are above MSCC levels, or groundwater contaminant levels rebound.

1.0 TITLE PAGE

DATE OF REPORT: June 14, 2007
Facility I.D.: N/A UST Incident Number: 22890
Site Name: Building 45
Site Location: Marine Corps Base Camp Lejeune, North Carolina
Nearest City/Town: Camp Lejeune County: Onslow
Risk Classification: Intermediate Risk Land Use Classification: Industrial/Commercial

UST Owner: Commanding Officer – MCB Camp Lejeune
I&E/EMD/EQB
PSC Box 20004
Address: MCB Camp Lejeune, NC 28542-0004 Phone: (910) 451-5068

UST Operator: Same as above
Address: Same as above Phone: Same as above

Property Owner: Same as above
Address: Same as above Phone: Same as above

Property Occupant: Same as above
Address: MCB Camp Lejeune, NC Phone: None

Consultant/Contractor: Sovereign Consulting Inc.
Address: 405 Oakmears Crescent, Suite 1
Virginia Beach, VA 23462 Phone: (757) 456-5093

Release Information

Date Discovered: October 23, 1992
Latitude: 34° 43' 53.04" N **Longitude:** 77° 21' 5.04" W
Estimated Quantity of Release: Unknown
Cause of Release: Leaking underground storage tank system
Source of Release (Piping/UST): UST and piping
Sizes and contents of UST system(s) from which the release occurred: The former system consisted of two tanks and associated piping. UST S-941-1 was a 6,000-gallon diesel steel tank and UST S-941-2 was a 550-gallon gasoline steel tank.

*I, **Nicole L. Hall** a Professional Engineer for Sovereign Consulting Inc., do certify that the information contained in this report is correct and accurate to the best of my knowledge.*

2.0 INTRODUCTION

The purpose of this report is to summarize data from recent groundwater gauging and sampling events at the Building 45 site aboard MCB Camp Lejeune, North Carolina. This data was collected during the June 2006 – May 2007 monitoring period. The project's original scope of work entailed monthly gauging of 20 site monitoring wells (each are proceeded with the prefix UST45/S941) – MW01/45, MW04/45, PW01R, MW02R, MW03R, MW04-MW09, MW12-MW-15, and MW17-MW21. Groundwater samples from the wells were collected on a quarterly basis – in August 2006, November 2006, and January/February 2007. Upon system shut down and scope of work revision effective January 2007, however, the scope of work was amended to semi-annual gauging and sampling of five shallow monitoring wells (MW13, MW14, MW15, MW01/45, and MW04/45) and annual sampling of three deep monitoring wells (MW09, MW21, and MW22, which cannot be located). Analyses run included EPA Methods 602 + Xylenes, 625 + 10 largest non-target peaks, and Method 3030C. Laboratory analytical suites were also amended in January 2007 to EPA Method 8260, 8270, and 6010A with Standard Prep Method 3030C. Results of Sovereign's 2006-2007 gauging and sampling events are presented in this report.

3.0 SITE HISTORY

Building 45 is located aboard MCB Camp Lejeune adjacent to and south of North Carolina Highway 24. The site is approximately one-half mile northwest of Camp Lejeune's main gate. Building 45 was originally an electric substation that was converted to a heavy equipment and maintenance shop in 1965. The building was demolished in 1999, and the foundation was removed separately in 2002.

Currently, the project site consists of the former Buildings 45 and 780, a former fueling area, and an inactive air sparge/soil vapor extraction remediation system. Groundwater monitoring wells are scattered over the site. As well as being a UST remediation site, the Building 45 area is also a Installation Restoration (IR) site under the CERCLA program. The UST program is addressing petroleum groundwater contamination at the site, while the IR program addresses primarily non-petroleum soil contaminants. In this case, PCBs at a depth of 0-2 feet are the CERCLA contaminant of concern.

Two USTs and their associated piping were installed at the site in 1941: UST S-941-1 was a 6,000-gallon steel tank used for diesel and UST S-941-2 was a 550-gallon steel tank used for gasoline. In 1990, UST S-941-2 failed leak detection tests. Follow on soil and groundwater testing in 1991 showed the presence of petroleum constituents in site soil and groundwater. As a result, the two USTs and their associated piping were closed by removal in 1992.

In addition to the diesel and gasoline tanks, two other USTs were located at the Building 45 site. In 1993, a 1,000-gallon used-oil UST (UST-45-1) was removed from the site near the rear of the building. During the removal, surrounding soils appeared to be affected by petroleum products, so approximately 82 tons of soil were excavated and subsequently disposed of off site. Another UST, located at the northwest corner of former Building 45, was removed by J.A. Jones in 1999. It was a 500-gallon heating oil UST.

Site assessments conducted of the gasoline, diesel, and used oil tank areas in the early 1990s identified soil and groundwater contamination at the site. These assessments were used to formulate a CAP in 1996. The CAP, developed by LAW, recommended an air sparge/soil vapor extraction system for soil and groundwater remediation. The system was installed by J.A. Jones and began operation in April 1998. Free product recovery was not addressed in the CAP as previous recovery efforts were deemed sufficient. Several Aggressive Fluid/Vapor Recovery (AFVR) events conducted between April 1999 and December 2001, however, recovered 426 gallons of free-phase product. The AFVR events were conducted at former wells MW02, MW03, and PW01. These wells were removed during excavation in 2002 and replaced as MW02R, MW03R, and PW01R by EEI in February 2005. These wells are located in the vicinity of the former USTs.

Monitoring and maintenance of the groundwater treatment system at the Bldg 45 site has continued from installation in 1998 to the present. In 2002, the IR program conducted a non-time critical removal action of soils at the site to include the area of the former USTs. As part of the excavation, Shaw abandoned UST monitoring wells PW01, MW02, MW03, MW10, and AS/SVE wells 5 through 8. Excavation took place in the area of highest contamination and historical free product, so a reduction in petroleum constituents was expected. Only the monitoring wells were replaced after excavation, so the remediation system currently consists of AS/SVE wells 1-4. A second IR soil excavation was conducted in 2005 in the general area of the former Building 45. In conjunction with the excavation, well MW16 appears to have been abandoned. A third IR excavation was conducted to the northwest of the former building during June 2006 by Rhea Engineers and Consultants, Inc. (Rhea). Data from the 2006 excavation have not been finalized as of the preparation of this groundwater monitoring report.

In an effort to reclassify the site using the NCDENR Risk Based Corrective Action (RBCA) Rules, MCB Camp Lejeune contracted CATLIN to complete an evaluation of the site. Initial site work and recommendations were completed and summarized in their June 24, 2004 DRAFT Remedial Action Optimization (RAO) & Revised Corrective Action Plan (RCAP) report. In the 2004 report, CATLIN recommended collecting additional soil samples for Risk Based Analysis in the vicinity of 20 locations, which historical data showed had the highest TPH concentrations across the site. CATLIN indicated that the proposed soil samples should not be collected until the IR program had completed the 2006 excavation. Using preliminary data from the 2006 Rhea excavation, CATLIN conducted additional site investigation activities in May 2006. Twenty soil samples were obtained from areas of historical soil exceedences to further delineate and quantify overall site soil contamination, as compared to the RBCA rules.

Risk Based laboratory results indicated no concentrations above the Industrial/Commercial (I/C) MSCCs; however, results were above the lowest MSCCs for some compounds. Since soil contamination exists above the lowest MSCCs, CATLIN recommended that additional soil remediation be conducted via natural attenuation. Since groundwater contaminant levels have decreased at the site, natural attenuation appeared to be the most suitable soil remedial alternative. They also recommended the collection of selected soil samples on a frequency of once every five years for contaminants of concern to evaluate the progress of natural attenuation.

CATLIN also made groundwater recommendations at the site, which included semi-annual sampling of five shallow zone monitoring wells (MW13, MW14, MW15, MW01/45, and MW04/45) and annual sampling of all deep zone monitoring wells. These recommendations were implemented at the site as of January 2007.

Monitoring and maintenance of the groundwater treatment system at the Bldg 45 site has continued from installation in 1998 to the present. The current program was initiated in June 2006 and continued through May 2007. Field activities included system inspections, monitoring, and maintenance of the system, as well as groundwater monitoring. This report outlines and describes such activities as performed by Sovereign during the monitoring period.

4.0 REMEDIATION SYSTEM OPERATION AND MAINTENANCE

The system originally included eight air sparge (AS) wells and eight soil vapor extraction (SVE) wells. As previously discussed, four AS/SVE wells (wells AS/SVE-5 through AS/SVE-8) were removed from the AS/SVE system during the 2002 IR excavation. The AS wells are two-inches in diameter and are screened from approximately 39.5 to 44.5 feet BLS. The well screens consist of five foot long, 0.02-inch slotted PVC, threaded to two-inch PVC casing. The SVE wells are six inches in diameter and extend to a depth of six feet BLS. The screened portion consists of three feet of 0.02-inch slotted PVC, screening an interval from 2.5 feet to 5.5 feet BLS. Compressed air is supplied to AS wells via 1.25-inch buried piping. The AS system consists of a rotary vane compressor, 80-gallon compressed air receiver, in-line filter, regulator, and flow meters. The SVE system consists of two soil vapor headers (one currently inactive), a moisture separator, a particulate filter, a positive displacement vapor extraction blower, and an ambient air bypass valve (used to regulate total vacuum applied to the SVE well field). A 500-gallon vertical polyethylene tank is used to store condensate from the air receiver and to collect fluid from the moisture separator.

The system generally operated continuously except during equipment servicing/repair, power outages, and high level water alarms. The remediation system was temporarily deactivated prior to each groundwater gauging and sampling event and then re-started following field activities. The remediation system was shut down, upon NCDENR approval of the recommendations made in Sovereign's 2005-2006 Annual Groundwater Monitoring Report, during the week of November 13, 2006.

There were no non-routine service calls made for the system during this monitoring period. System monitoring and maintenance was performed regularly, with site visits conducted at a minimum of three times per week. Instrument readings conducted during the site visits included AS flow rates, AS/SVE pressures/vacuums, temperatures, tank liquid levels, electricity usage, and motor run times. Servicing (oil changes, belt re-tensioning or replacement, filter changes, etc.) was conducted as per manufacturer's instructions or as needed upon system inspection. Emptying of the polyethylene holding tank was also conducted as needed.

Photoionization detector readings were recorded weekly during the monitoring period. Vapor velocity readings, vapor temperature, and vapor vacuum/pressure were also documented at the time the PID readings were recorded. The exhaust stack (SVE) was sampled monthly through

April 2006. The air samples were submitted for laboratory analysis via Modified EPA Method 18. The collection of air samples ceased after April 2006, by direction of the Navy Technical Representative.

Well purge water, development water, and equipment decontamination water generated during field events were contained in a portable holding tank. Water that accumulated in the SVE system polyethylene hold tank was removed and transported in the portable holding tank and processed through a groundwater treatment system located at Lot 203 on MCB Camp Lejeune.

5.0 GAUGING AND SAMPLING RESULTS

The field program for the Building 45 site consisted of monthly gauging from June 2006 through January 2007, when the scope of work was modified to align with the recommendations made in the 2006 CATLIN RAO & RCAP. Groundwater samples were collected in August 2006, November 2006, and January/February 2007. The current monitoring schedule (subsequent to modification) includes semiannual gauging and sampling of five shallow monitoring wells (MW13, MW14, MW15, MW01/45, and MW04/45) and annual gauging and sampling of three deep zone monitoring wells (MW09, MW21, and MW22). Note that monitoring well MW22 has not been located at the site in recent years; therefore, only MW09 and MW21 were gauged and sampled. Groundwater at the site was initially analyzed this period using EPA Methods 602 + Xylenes, 625 + 10 largest non-target peaks, and EPA Method 6010A with Standard Preparation Method 3030C. The amended laboratory analytical suites include EPA Method 8260 and 8270, as well as EPA Method 6010A with Standard Preparation Method 3030C. Activities were conducted in accordance with NCDENR guidance.

5.1 WELL GAUGING

Monitoring wells MW01/45, MW04/45, PW01R, MW02R, MW03R, MW04-MW09, MW12-MW-15, and MW17-MW21 were gauged monthly from June 2006 through January 2007. Gauging data is summarized in Tables 2 and 3. Wells were gauged using an interface probe to measure the depth to water and depth to product (if present). Depth to water at the site ranged from 2.38 feet to 17.97 feet below TOC. No measurable free product was detected at any site well designated for gauging during the 2006-2007 monitoring program. Historical free product data is located in Appendix A. Product has not been detected at the site since 2001.

Based on the resultant groundwater elevations, groundwater flow at the site appears to be toward the west and northwest. Figures 3 and 4 show the groundwater flow direction across the site for July 2006 and January 2007, respectively.

5.2 GROUNDWATER SAMPLING

Groundwater sampling was also conducted at the site. Samples were collected during three sampling events –July 2006, November 2006, and January 2007. All 20 monitoring wells in the monitoring program were sampled in July and November 2006; those wells were MW01/45, MW04/45, PW01R, MW02R, MW03R, MW04-MW09, MW12-MW-15, and

MW17-MW21. Per NAVFAC and EMD direction, only monitoring wells MW09, MW13, MW14, MW15, MW21, MW01/45, and MW04/45 were gauged and sampled in January 2007. This recommendation was implemented based on historical data showing that the omitted site monitoring wells did not exhibit contamination.

Duplicate samples were collected and trip blanks were provided by the laboratory. Prior to sampling, wells were purged of one well casing volume of water using a low-flow sampling pump with connected polyethylene discharge tubing. Water quality indicator parameters (pH, temperature, conductivity, oxidation-reduction potential, dissolved oxygen, and turbidity) were measured and recorded. If a well purged to dryness, the well was allowed to recharge before sampling. Samples were collected after purging using the laboratory-prepared sample bottles, placed on ice, and shipped under proper chain of custody to SGS/Paradigm Analytical Laboratories Inc. (SGS) in Wilmington, North Carolina (NC Certification Number 481). The lab tested the groundwater sample for volatiles via EPA Method 602/8260, semivolatiles using EPA Method 625/8270, and lead using EPA Method 6010A with Standard Preparation Method 3030C. Laboratory reports and chain of custody documentation are included in Appendix B.

Seven volatile compounds were detected in the groundwater at the site – benzene, diisopropyl ether, ethylbenzene, methyl tert butyl ether, toluene, total xylenes, and 1,2,4-trimethylbenzene. Only benzene was detected, however, at the site above its NCGWQS of 1 µg/L. Monitoring well MW09 exhibited benzene during during each sampling event at concentrations of 6.16 µg/L, 6.03 µg/L, 5.08 µg/L. These concentrations are wells below the GCL for the compound. Monitoring well MW-09 is located near the former USTs and is currently outside the influence of the current system layout. EPA Method 602 results are summarized in Table 4.

Acenaphthene, bis(2-ethylhexyl)phthalate, and naphthalene were detected in groundwater at the site. Only bis(2-ethylhexyl)phthalate was detected above its groundwater quality standard of 2.5 µg/L. The compound was detected in MW04/45 in January 2007 at a concentration of 134 µg/L. It is a common plasticizer and does not typically originate from petroleum releases. Unknown tentatively identified compounds (TICs) were detected in monitoring wells at the site. Most all detections were of unknown compounds with the exception of the following monitoring wells.

Monitoring Well	Sampling Event	TIC	Result (µg/L)	Match Probability
MW02R	Nov 2006	Cyclohexane, 1,2-dichloro-, trans-	5.23	90%
MW04/45	Nov 2006	Cyclopentasiloxane, decamethyl-	5.44	90%
MW09	Jan 2007	Maneb	13.2	91%
		Squalane	7.25	90%
Duplicate (MW09)	Jan 2007	Sulfur, mol. (S8)	12.3	94%

The quantitations provided are estimates. Due to the uncertainties associated with TICs, it is impossible to draw any conclusions based upon their presence. Table 5 summarizes semi-volatile lab results.

Lead was detected in monitoring wells MW15 and MW18 in January 2007 and November 2006, respectively, at concentrations well below the NCGWQS of 15 µg/L. Table 6 summarizes lead results. Finally, historical groundwater data for the site can be found in Appendix A.

6.0 RECEPTOR SURVEY

Sovereign reassessed site conditions and concluded that the receptor survey previously completed by CATLIN in the RAO & RCAP dated November 14, 2006 still applies. There has been no change in receptor impact, and there have been no changes to land use of the site or the surrounding areas.

7.0 CONCLUSIONS AND RECOMMENDATIONS

Based on fieldwork and laboratory analytical data gathered during the 2006-2007 monitoring period, the following conclusions are presented:

1. Previous investigations indicated diesel and gasoline were released from former USTs 941-1 and 941-2, located in the eastern portion of the site. Contamination at the site may also be attributed to the former used oil tank in the central portion of the site, as well as from past operations.
2. There are no active water supply wells within 1,500 feet of the site.
3. Shallow surficial aquifer groundwater flow is generally to the west and northwest.
4. Previously identified soil contamination was further assessed using RBCA analyses in the 2006 CATLIN RAO & RCAP. Soil contamination in some locations is above STGW MSCCs, but below I/C MSCCs.
5. No measurable free product was observed at any site well during the monitoring program, and no measurable free product has been observed at the site since 2001.
6. Only benzene and bis(2-ethylhexyl)phthalate was detected in site groundwater above the NCGWQSs. Benzene was detected in monitoring well MW-09, a deep well near former USTs 941-1 and 941-2, and bis(2-ethylhexyl)phthalate was detected in MW04/45. Other detected volatile and semi-volatile organic compounds were present at concentrations below the applicable NCGWQSs. Lead was detected in monitoring wells MW15 and MW18, but at concentrations well below the NCGWQS of 15 µg/L.

Previous remedial responses at the site included removal of USTs 941-1, 941-2, and 45-1; excavation of petroleum impacted soils, the employment of AFVR events, and the operation of an AS/SVE system. Corrective actions have been effective at removing free product and soil and groundwater contamination at the site. The following recommendations are, therefore, presented for the next monitoring period.

1. Continue groundwater gauging and sampling of shallow monitoring wells (MW13, MW14, MW15, MW01/45, and MW04/45) and deep monitoring wells (MW06, MW09, and MW21) on the current program frequency and report the findings in an Annual Groundwater

Monitoring Report. Groundwater should be analyzed using EPA Methods 8260, 8270, and 6010A with Standard Prep Method 3030C.

2. Continue tracking soil contaminant concentrations to monitor the effects of natural attenuation – the next soil sampling event does not need to occur until May 2011 (five years from the CATLIN RBCA soil samples).

If free product does not re-occur, soil contaminant levels attenuate to below the lowest of the applicable MSCCs, and groundwater contaminants remain below GCLs, then the site would qualify for No Further Action with Land Use Restrictions. Additional corrective action, however, would be required if free product returns, soils are above MSCC levels, or groundwater contaminant levels rebound.

8.0 REFERENCES

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TABLES

TABLE 1
WELL CONSTRUCTION INFORMATION
Incident Number and Name: 22890 - Building 45

Monitoring Well	Date Installed	Measured Well Depth (feet below TOC)	Top of Casing Elevation (feet)
UST45/S941-MW01/45	6/21/1994	20.1	11.43
UST45/S941-MW04/45	6/21/1994	22.0	7.11
UST45/S941-PW01R	2/23/2005	18.0	12.14
UST45/S941-MW02R	2/23/2005	14.5	11.07
UST45/S941-MW03R	2/23/2005	17.8	12.17
UST45/S941-MW04	12/9/1992	22.0	14.83
UST45/S941-MW05	12/11/1992	19.7	9.73
UST45/S941-MW06	12/11/1992	48.2	10.71
UST45/S941-MW07	12/11/1992	23.1	10.00
UST45/S941-MW08	12/11/1992	19.2	10.73
UST45/S941-MW09	12/14/0992	48.2	10.27
UST45/S941-MW12	11/18/1993	15.4	9.91
UST45/S941-MW13	1993	12.2	8.32
UST45/S941-MW14	1993	16.1	7.32
UST45/S941-MW15	12/22/1993	15.9	8.26
UST45/S941-MW17	12/21/1993	14.7	8.95
UST45/S941-MW18	12/22/1993	15.4	10.80
UST45/S941-MW19	12/1/1993	17.1	11.85
UST45/S941-MW20	12/1/1993	15.7	10.64
UST45/S941-MW21	1/5/1994	48.9	7.13

TABLE 2
GROUNDWATER ELEVATION DATA
2006 – 2007 MONITORING PERIOD

Incident Number and Name: 22890 - Building 45

Monitoring Well	Top of Casing Elevation (feet)	Groundwater Elevation (feet)								
		6/6/2006	7/11/2006	8/7/2006	9/1/2006	10/2/2006	11/13/2006	12/7/2006	1/5/2007	1/25/2007
UST45/S941-MW01/45	11.43	0.13	1.33	1.08	1.05	0.96	0.71	1.60	1.83	2.23
UST45/S941-MW04/45	7.11	Not Calculated	-5.84	-6.66	-6.72	-6.64	-6.71	-5.84	-5.76	-6.01
UST45/S941-PW01R	12.14	4.51	5.77	5.18	5.83	4.77	5.91	6.22	7.49	Not Calculated
UST45/S941-MW02R	11.07	4.35	6.16	5.60	6.24	5.17	6.14	6.66	7.83	Not Calculated
UST45/S941-MW03R	12.17	4.51	6.06	5.56	6.25	5.17	6.14	6.62	7.81	Not Calculated
UST45/S941-MW04	14.83	5.51	8.43	7.26	8.73	7.13	7.63	9.41	10.23	Not Calculated
UST45/S941-MW05	9.73	0.81	2.83	2.28	2.94	1.73	2.33	3.21	3.79	Not Calculated
UST45/S941-MW06	10.71	-7.26	-6.06	-6.54	-6.19	-6.56	-6.36	-5.66	-5.39	Not Calculated
UST45/S941-MW07	10.00	4.78	5.85	5.38	6.08	5.01	6.02	6.38	7.55	Not Calculated
UST45/S941-MW08	10.73	5.05	5.68	5.41	6.01	5.01	5.76	6.13	6.85	Not Calculated
UST45/S941-MW09	10.27	-7.33	-6.03	-6.54	-6.33	-6.55	-6.34	-5.63	-5.26	-5.74
UST45/S941-MW12	9.91	3.93	6.20	5.69	6.41	5.21	5.76	6.91	7.53	Not Calculated
UST45/S941-MW13	8.32	Not Calculated	3.66	3.13	3.38	2.66	1.92	2.55	3.19	3.55
UST45/S941-MW14	7.32	Not Calculated	-0.24	-1.08	-1.26	-1.34	-1.40	-0.45	-0.43	-0.50
UST45/S941-MW15	8.26	-1.15	1.51	-0.22	-0.19	0.01	-0.47	0.51	0.49	0.88
UST45/S941-MW17	8.95	2.87	4.33	3.59	3.71	3.00	4.14	4.25	5.80	Not Calculated
UST45/S941-MW18	10.80	Not Calculated	5.40	4.60	5.44	4.15	4.84	5.55	6.65	Not Calculated
UST45/S941-MW19	11.85	5.64	7.13	6.63	7.82	6.35	7.30	8.11	9.15	Not Calculated
UST45/S941-MW20	10.64	5.37	6.34	5.91	6.75	5.56	6.62	7.04	8.22	Not Calculated
UST45/S941-MW21	7.13	-7.51	-5.88	-6.79	-6.62	-6.63	-6.60	-5.77	-5.72	-5.97

NM = Well not measured; either not accessible or not designated as part of gauging program.
Not calculated due to insufficient data or well not measured. January 2007 sampling event included only MW01/45, 04/45, 09, 13, 14, 15, and 21 per NAVFAC and EMD direction.

TABLE 3
PRODUCT THICKNESS DATA
2006 – 2007 MONITORING PERIOD

Incident Number and Name: 22890 - Building 45

Monitoring Well	Top of Casing Elevation (feet)	Product Thickness (feet)								
		6/6/2006	7/11/2006	8/7/2006	9/1/2006	10/2/2006	11/13/2006	12/7/2006	1/5/2007	1/25/2007
UST45/S941-MW01/45	11.43	--	--	--	--	--	--	--	--	--
UST45/S941-MW04/45	7.11	NM	--	--	--	--	--	--	--	--
UST45/S941-PW01R	12.14	--	--	--	--	--	--	--	--	NM
UST45/S941-MW02R	11.07	--	--	--	--	--	--	--	--	NM
UST45/S941-MW03R	12.17	--	--	--	--	--	--	--	--	NM
UST45/S941-MW04	14.83	--	--	--	--	--	--	--	--	NM
UST45/S941-MW05	9.73	--	--	--	--	--	--	--	--	NM
UST45/S941-MW06	10.71	--	--	--	--	--	--	--	--	NM
UST45/S941-MW07	10.00	--	--	--	--	--	--	--	--	NM
UST45/S941-MW08	10.73	--	--	--	--	--	--	--	--	NM
UST45/S941-MW09	10.27	--	--	--	--	--	--	--	--	--
UST45/S941-MW12	9.91	--	--	--	--	--	--	--	--	NM
UST45/S941-MW13	8.32	NM	--	--	--	--	--	--	--	--
UST45/S941-MW14	7.32	NM	--	--	--	--	--	--	--	--
UST45/S941-MW15	8.26	--	--	--	--	--	--	--	--	--
UST45/S941-MW17	8.95	--	--	--	--	--	--	--	--	NM
UST45/S941-MW18	10.80	NM	--	--	--	--	--	--	--	NM
UST45/S941-MW19	11.85	--	--	--	--	--	--	--	--	NM
UST45/S941-MW20	10.64	--	--	--	--	--	--	--	--	NM
UST45/S941-MW21	7.13	--	--	--	--	--	--	--	--	--

"--" = no measurable free product detected.

NM = well not measured; either not accessible or not designated as part of gauging program. January 2007 sampling event included only MW01/45, 04/45, 09, 13, 14, 15, and 21 per NAVFAC and EMD direction.

TABLE 4
SUMMARY OF GROUNDWATER SAMPLING RESULTS
Incident Number and Name: 22890 - Building 45
Analytical Method: EPA Method 602 and 8260

Contaminant of Concern →									
Well ID	**Sample ID**	**Date Collected**	Benzene	Diisopropyl ether (DIPE)	Ethylbenzene	Methyl-tert butyl ether (MTBE)	Toluene	Total Xylenes	1,2,4-Trimehtylbenzene
UST45-MW01/45	UST45-MW01/45	8/9/2006	BQL	BQL	BQL	BQL	BQL	BQL	NS
		11/15/2006	BQL	BQL	BQL	BQL	BQL	BQL	NS
		1/26/2007	BQL	BQL	**0.350J**	BQL	**1.24**	**0.890J**	**0.330J**
UST45-MW02R	UST45-MW02R	8/8/2006	BQL	BQL	BQL	BQL	BQL	BQL	NS
		11/14/2006	BQL	BQL	BQL	BQL	**1.40**	BQL	NS
UST45-MW03R	UST45-MW03R	8/8/2006	BQL	BQL	BQL	BQL	BQL	BQL	NS
		11/14/2006	BQL	BQL	BQL	BQL	**0.378J**	BQL	NS
UST45-MW04	UST45-MW04	8/9/2006	BQL	BQL	BQL	BQL	BQL	BQL	NS
		11/15/2006	BQL	BQL	BQL	BQL	BQL	BQL	NS
UST45-MW04/45	UST45-MW04/45	8/9/2006	BQL	BQL	BQL	BQL	BQL	BQL	NS
		11/14/2006	BQL	BQL	BQL	BQL	**0.201J**	BQL	NS
		1/25/2007	BQL	BQL	**0.370J**	BQL	**1.22**	**0.960J**	**0.490J**
UST45-MW05	UST45-MW05	8/7/2006	BQL	BQL	BQL	BQL	BQL	BQL	NS
		11/14/2006	BQL	BQL	BQL	BQL	BQL	BQL	NS
UST45-MW06	UST45-MW06	8/9/2006	BQL	BQL	BQL	BQL	BQL	BQL	NS
		11/13/2006	BQL	BQL	BQL	BQL	**1.15**	BQL	NS
UST45-MW07	UST45-MW07	8/7/2006	BQL	BQL	BQL	BQL	BQL	BQL	NS
		11/13/2006	BQL	BQL	BQL	BQL	**1.21**	BQL	NS
UST45-MW08	UST45-MW08	8/7/2006	BQL	BQL	BQL	BQL	BQL	BQL	NS
		11/13/2006	BQL	BQL	BQL	BQL	**1.36**	BQL	NS
UST45-MW09	UST45-MW09	8/9/2006	**6.16**	BQL	BQL	**5.06**	BQL	BQL	NS
		11/13/2006	**6.03**	**0.334J**	**0.319J**	**8.56**	**1.32**	**1.979J**	NS
		1/25/2007	**5.08**	**0.300J**	**0.410J**	**12.4**	**1.57**	**0.780J**	BQL
UST45-MW12	UST45-MW12	8/8/2006	BQL	BQL	BQL	BQL	BQL	BQL	NS
		11/15/2006	BQL	BQL	BQL	BQL	BQL	BQL	NS
UST45-MW13	UST45-MW13	8/8/2006	BQL	BQL	BQL	BQL	BQL	BQL	NS
		11/15/2006	BQL	BQL	BQL	BQL	BQL	BQL	NS
		1/26/2007	BQL	BQL	BQL	BQL	**0.690J**	BQL	BQL
UST45-MW14	UST45-MW14	8/9/2006	BQL	BQL	BQL	BQL	BQL	BQL	NS
		11/14/2006	BQL	BQL	BQL	BQL	BQL	BQL	NS
		1/25/2007	BQL	BQL	BQL	BQL	**0.890J**	BQL	BQL
UST45-MW15	UST45-MW15	8/8/2006	BQL	BQL	BQL	BQL	BQL	BQL	NS
		11/15/2006	BQL	BQL	BQL	BQL	BQL	BQL	NS
		1/26/2007	BQL	BQL	BQL	BQL	**1.05**	BQL	BQL
UST45-MW17	UST45-MW17	8/7/2006	BQL	BQL	BQL	BQL	BQL	BQL	NS
		11/13/2006	BQL	BQL	BQL	BQL	**0.940J**	BQL	NS
UST45-MW18	UST45-MW18	8/8/2006	BQL	BQL	BQL	BQL	BQL	BQL	NS
		11/15/2006	BQL	BQL	BQL	BQL	BQL	BQL	NS
UST45-MW19	UST45-MW19	8/7/2006	BQL	BQL	BQL	BQL	BQL	BQL	NS
		11/13/2006	BQL	BQL	BQL	BQL	**1.20**	BQL	NS
UST45-MW20	UST45-MW20	8/7/2006	BQL	BQL	BQL	BQL	BQL	BQL	NS
		11/13/2006	BQL	BQL	BQL	BQL	**1.01**	BQL	NS
UST45-MW21	UST45-MW21	8/9/2006	BQL	BQL	BQL	BQL	BQL	BQL	NS
		11/14/2006	BQL	BQL	BQL	BQL	**0.694J**	BQL	NS
		1/25/2007	BQL	BQL	**0.240J**	**0.440J**	**1.27**	**0.450J**	BQL
UST45-PW01R	UST45-PW01R	8/8/2006	BQL	BQL	BQL	BQL	BQL	BQL	NS
		11/14/2006	BQL	BQL	BQL	BQL	**1.25**	BQL	NS
Duplicate	Duplicate	8/9/2006	**6.17**	BQL	BQL	**5.13**	BQL	BQL	NS
		11/13/2006	**6.02**	**0.335J**	**0.298J**	**8.50**	**1.20**	**0.689J**	NS
		1/25/2007	**4.99**	**0.320J**	**0.450J**	**13.2**	**1.79**	**0.870J**	**0.210J**
2L Standard (µg/l)			1	70	550	200	1,000	530	350
GCL (µg/l)			5,000	70,000	84,500	200,000	257,500	87,500	28,500

- Duplicate samples from MW09 in August 2006, November 2006, and January 2007 sampling events.
- All results reported in µg/l; µg/L =micrograms per liter
- GCL = gross contamination level
- BQL = Below Quantitation Limits
- J = Estimated concentration; detected below calibration range and above Method Detection Limit.
- **BOLD** = detected concentration
- **BOLD** and shaded = detected concentration above applicable standard
- Note – Sampling Methods changed from 602 to 8260 as of January 2007; all detections reported. January 2007 sampling event included only MW01/45, 04/45, 09, 13, 14, 15, and 21 per NAVFAC and EMD direction.

TABLE 5
SUMMARY OF GROUNDWATER SAMPLING RESULTS
Incident Number and Name: 22890 - Building 45
Analytical Method: EPA Method 625 and 8270

Contaminant of Concern →			Acenaphthene	Bis (2-ethylhexyl) phthalate	Naphthalene	All Other Compounds
Well ID	**Sample ID**	**Date Collected**				
UST45-MW01/45	UST45-MW01/45	8/9/2006	BQL	BQL	BQL	BQL
		11/15/2006	BQL	BQL	BQL	BQL
		1/26/2007	BQL	BQL	BQL	BQL
UST45-MW02R	UST45-MW02R	8/8/2006	BQL	BQL	BQL	BQL
		11/14/2006	BQL	BQL	BQL	BQL
UST45-MW03R	UST45-MW03R	8/8/2006	BQL	BQL	BQL	BQL
		11/14/2006	BQL	BQL	BQL	BQL
UST45-MW04	UST45-MW04	8/9/2006	BQL	BQL	BQL	BQL
		11/15/2006	BQL	**1.90J**	BQL	BQL
UST45-MW04/45	UST45-MW04/45	8/9/2006	BQL	BQL	BQL	BQL
		11/14/2006	BQL	BQL	BQL	BQL
		1/25/2007	BQL	**134**	BQL	BQL
UST45-MW05	UST45-MW05	8/7/2006	BQL	BQL	BQL	BQL
		11/14/2006	BQL	BQL	BQL	BQL
UST45-MW06	UST45-MW06	8/9/2006	BQL	BQL	BQL	BQL
		11/13/2006	**1.30J**	BQL	BQL	BQL
UST45-MW07	UST45-MW07	8/7/2006	BQL	BQL	BQL	BQL
		11/13/2006	BQL	BQL	BQL	BQL
UST45-MW08	UST45-MW08	8/7/2006	BQL	BQL	BQL	BQL
		11/13/2006	BQL	BQL	BQL	BQL
UST45-MW09	UST45-MW09	8/9/2006	BQL	BQL	BQL	BQL
		11/13/2006	BQL	BQL	**6.10J**	BQL
		1/25/2007	BQL	BQL	BQL	BQL
UST45-MW12	UST45-MW12	8/8/2006	BQL	BQL	BQL	BQL
		11/15/2006	BQL	BQL	BQL	BQL
UST45-MW13	UST45-MW13	8/8/2006	BQL	BQL	BQL	BQL
		11/15/2006	BQL	BQL	BQL	BQL
		1/26/2007	BQL	BQL	BQL	BQL
UST45-MW14	UST45-MW14	8/9/2006	BQL	BQL	BQL	BQL
		11/14/2006	BQL	BQL	BQL	BQL
		1/25/2007	BQL	BQL	BQL	BQL
UST45-MW15	UST45-MW15	8/8/2006	BQL	BQL	BQL	BQL
		11/15/2006	BQL	BQL	BQL	BQL
		1/26/2007	BQL	BQL	BQL	BQL
UST45-MW17	UST45-MW17	8/7/2006	BQL	BQL	BQL	BQL
		11/13/2006	BQL	BQL	BQL	BQL
UST45-MW18	UST45-MW18	8/8/2006	BQL	BQL	BQL	BQL
		11/15/2006	BQL	BQL	BQL	BQL
UST45-MW19	UST45-MW19	8/7/2006	BQL	BQL	BQL	BQL
		11/13/2006	BQL	BQL	BQL	BQL
UST45-MW20	UST45-MW20	8/7/2006	BQL	BQL	BQL	BQL
		11/13/2006	BQL	BQL	BQL	BQL
UST45-MW21	UST45-MW21	8/9/2006	BQL	BQL	BQL	BQL
		11/14/2006	BQL	BQL	BQL	BQL
		1/25/2007	BQL	BQL	BQL	BQL
UST45-PW01R	UST45-PW01R	8/8/2006	BQL	BQL	BQL	BQL
		11/14/2006	BQL	BQL	**6.20J**	BQL
Duplicate	Duplicate	8/9/2006	BQL	BQL	BQL	BQL
		11/13/2006	BQL	BQL	BQL	BQL
		1/25/2007	BQL	BQL	BQL	BQL
2L Standard (µg/l)			80	2.5	21	Varies
GCL (µg/l)			2,120	2,500	15,500	Varies

- Duplicate samples from MW09 in August 2006, November 2006, and January 2007 sampling events.
- TICs detected in all wells; refer to Section 5.2 and laboratory reports for additional information.
- All results reported in µg/l; µg/L =micrograms per liter
- GCL = gross contamination level
- BQL = Below Quantitation Limits
- J = Estimated concentration; detected below calibration range and above Method Detection Limit.
- **BOLD** = detected concentration
- **BOLD** and shaded = detected concentration above applicable standard
- Note – Sampling Methods changed from 625 to 8270 as of January 2007; all detections reported. January 2007 sampling event included only MW01/45, 04/45, 09, 13, 14, 15, and 21 per NAVFAC and EMD direction.

TABLE 6
SUMMARY OF GROUNDWATER SAMPLING RESULTS - EPA Method 3030C (Lead)
Incident Number and Name: 22890 - Building 45

Contaminant of Concern →			Lead
Well ID	**Sample ID**	**Date Collected**	
UST45-MW01/45	UST45-MW01/45	8/9/2006 11/15/2006 1/26/2007	BQL BQL BQL
UST45-MW02R	UST45-MW02R	8/8/2006 11/14/2006	BQL BQL
UST45-MW03R	UST45-MW03R	8/8/2006 11/14/2006	BQL BQL
UST45-MW04	UST45-MW04	8/9/2006 11/15/2006	BQL BQL
UST45-MW04/45	UST45-MW04/45	8/9/2006 11/14/2006 2/1/2007	BQL BQL BQL
UST45-MW05	UST45-MW05	8/7/2006 11/14/2006	BQL BQL
UST45-MW06	UST45-MW06	8/9/2006 11/13/2006	BQL BQL
UST45-MW07	UST45-MW07	8/7/2006 11/13/2006	BQL BQL
UST45-MW08	UST45-MW08	8/7/2006 11/13/2006	BQL BQL
UST45-MW09	UST45-MW09	8/9/2006 11/13/2006 2/1/2007	BQL BQL BQL
UST45-MW12	UST45-MW12	8/8/2006 11/15/2006	BQL BQL
UST45-MW13	UST45-MW13	8/8/2006 11/15/2006 1/26/2007	BQL BQL BQL
UST45-MW14	UST45-MW14	8/9/2006 11/14/2006 2/1/2007	BQL BQL BQL
UST45-MW15	UST45-MW15	8/8/2006 11/15/2006 1/26/2007	BQL BQL **1.23J**
UST45-MW17	UST45-MW17	8/7/2006 11/13/2006	BQL BQL
UST45-MW18	UST45-MW18	8/8/2006 11/15/2006	BQL **0.825J**
UST45-MW19	UST45-MW19	8/7/2006 11/13/2006	BQL BQL
UST45-MW20	UST45-MW20	8/7/2006 11/13/2006	BQL BQL
UST45-MW21	UST45-MW21	8/9/2006 11/14/2006 2/1/2007	BQL BQL BQL
UST45-PW01R	UST45-PW01R	8/8/2006 11/14/2006	BQL BQL
Duplicate	Duplicate	2/1/2007	BQL
2L Standard (µg/l)			15
GCL (µg/l)			15,000

- Duplicate samples from MW09 in August 2006, November 2006, and January 2007 sampling events.
- All results reported in µg/l; µg/L =micrograms per liter
- GCL = gross contamination level
- BQL = Below Quantitation Limits
- J = Estimated concentration; detected below calibration range and above Method Detection Limit.
- **BOLD** = detected concentration
- Note – January 2007 sampling event included only MW01/45, 04/45, 09, 13, 14, 15, and 21 per NAVFAC and EMD direction. Lead samples from the January 2007 event were recollected 2/1/2007.

FIGURES

Data Sources: Data Layers provided by MCB Camp Lejeune GIS Office.

SOVEREIGN CONSULTING INC.
VIRGINIA BEACH, VIRGINIA

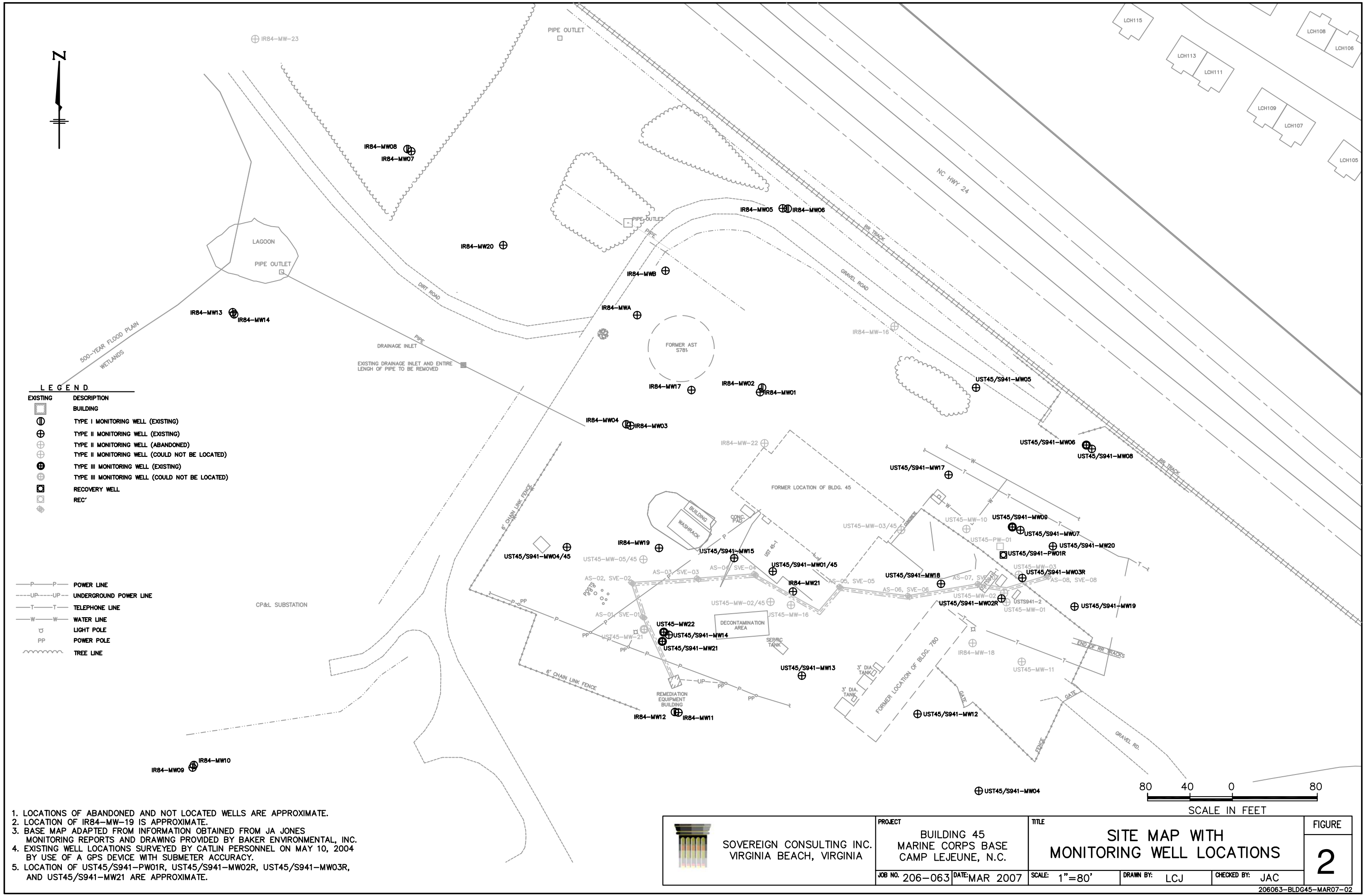
PROJECT
BUILDING 45
MARINE CORPS BASE
CAMP LEJEUNE, NC

TITLE
GENERAL VICINITY TOPOGRAPHIC SITE MAP

FIGURE
1

JOB NO.	DATE	SCALE	DRAWN BY	CHECKED BY
206-063	MAY 2007	AS SHOWN	KAWS	JAC

206-063-CAD-DWG-H-28-FIGURE-1



1. LOCATIONS OF ABANDONED AND NOT LOCATED WELLS ARE APPROXIMATE.
2. LOCATION OF IR84-MW-19 IS APPROXIMATE.
3. BASE MAP ADAPTED FROM INFORMATION OBTAINED FROM JA JONES MONITORING REPORTS AND DRAWING PROVIDED BY BAKER ENVIRONMENTAL, INC.
4. EXISTING WELL LOCATIONS SURVEYED BY CATLIN PERSONNEL ON MAY 10, 2004 BY USE OF A GPS DEVICE WITH SUBMETER ACCURACY.
5. LOCATION OF UST45/S941-PW01R, UST45/S941-MW02R, UST45/S941-MW03R, AND UST45/S941-MW21 ARE APPROXIMATE.

SOVEREIGN CONSULTING INC.
VIRGINIA BEACH, VIRGINIA

PROJECT: BUILDING 45
MARINE CORPS BASE
CAMP LEJEUNE, N.C.

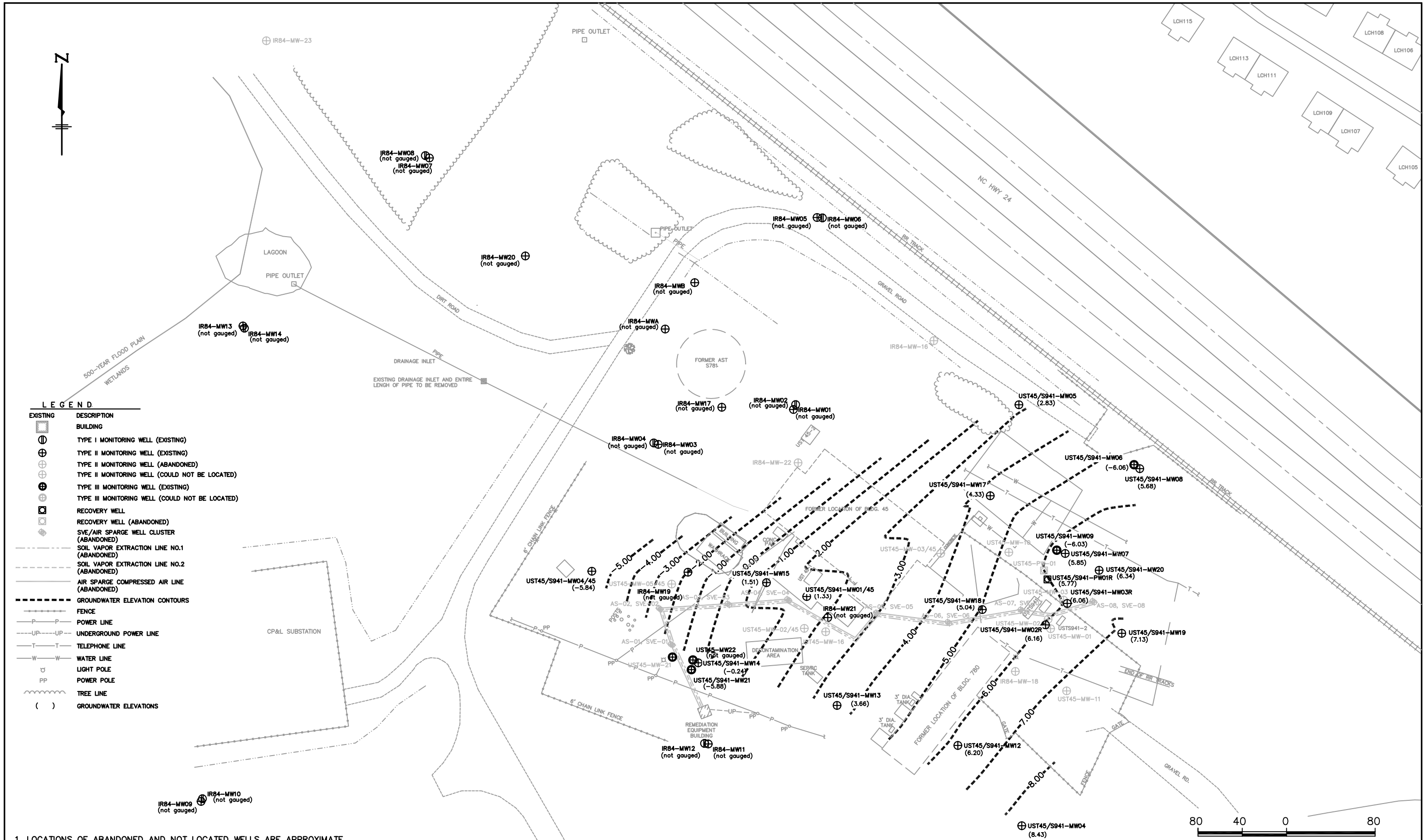
JOB NO. 206-063 | DATE: MAR 2007

TITLE: SITE MAP WITH MONITORING WELL LOCATIONS

SCALE: 1"=80' | DRAWN BY: LCJ | CHECKED BY: JAC

FIGURE 2

206063-BLDG45-MAR07-02



LEGEND

EXISTING	DESCRIPTION
	BUILDING
	TYPE I MONITORING WELL (EXISTING)
	TYPE II MONITORING WELL (EXISTING)
	TYPE II MONITORING WELL (ABANDONED)
	TYPE II MONITORING WELL (COULD NOT BE LOCATED)
	TYPE III MONITORING WELL (EXISTING)
	TYPE III MONITORING WELL (COULD NOT BE LOCATED)
	RECOVERY WELL
	RECOVERY WELL (ABANDONED)
	SVE/AIR SPARGE WELL CLUSTER (ABANDONED)
	SOIL VAPOR EXTRACTION LINE NO.1 (ABANDONED)
	SOIL VAPOR EXTRACTION LINE NO.2 (ABANDONED)
	AIR SPARGE COMPRESSED AIR LINE (ABANDONED)
	GROUNDWATER ELEVATION CONTOURS
	FENCE
P	POWER LINE
UP	UNDERGROUND POWER LINE
T	TELEPHONE LINE
W	WATER LINE
	LIGHT POLE
PP	POWER POLE
	TREE LINE
( )	GROUNDWATER ELEVATIONS

1. LOCATIONS OF ABANDONED AND NOT LOCATED WELLS ARE APPROXIMATE.
2. LOCATION OF IR84-MW-19 IS APPROXIMATE.
3. BASE MAP ADAPTED FROM INFORMATION OBTAINED FROM JA JONES MONITORING REPORTS AND DRAWING PROVIDED BY BAKER ENVIRONMENTAL, INC.
4. EXISTING WELL LOCATIONS SURVEYED BY CATLIN PERSONNEL ON MAY 10, 2004 BY USE OF A GPS DEVICE WITH SUBMETER ACCURACY.
5. LOCATION OF UST45/S941-PW01R, UST45/S941-MW02R, UST45/S941-MW03R, AND UST45/S941-MW21 ARE APPROXIMATE.
6. TYPE III WELLS NOT CONSIDERED FOR CONTOUR PURPOSES.

SOVEREIGN CONSULTING INC.
VIRGINIA BEACH, VIRGINIA

PROJECT: BUILDING 45
MARINE CORPS BASE
CAMP LEJEUNE, N.C.

JOB NO. 206-063 | DATE: MAR 2007

TITLE: SHALLOW WELL GROUNDWATER ELEVATIONS- JULY 2006

SCALE: 1"=80' | DRAWN BY: LCJ | CHECKED BY: JAC

FIGURE 3

206063-BLDG45-MAR07-03

LEGEND

EXISTING	DESCRIPTION
	BUILDING
	TYPE I MONITORING WELL (EXISTING)
	TYPE II MONITORING WELL (EXISTING)
	TYPE II MONITORING WELL (ABANDONED)
	TYPE II MONITORING WELL (COULD NOT BE LOCATED)
	TYPE III MONITORING WELL (EXISTING)
	TYPE III MONITORING WELL (COULD NOT BE LOCATED)
	RECOVERY WELL
	RECOVERY WELL (ABANDONED)
	SVE/AIR SPARGE WELL CLUSTER (ABANDONED)
	SOIL VAPOR EXTRACTION LINE NO.1 (ABANDONED)
	SOIL VAPOR EXTRACTION LINE NO.2 (ABANDONED)
	AIR SPARGE COMPRESSED AIR LINE (ABANDONED)
	GROUNDWATER ELEVATION CONTOURS
	FENCE
P	POWER LINE
UP	UNDERGROUND POWER LINE
T	TELEPHONE LINE
W	WATER LINE
	LIGHT POLE
PP	POWER POLE
	TREE LINE
( )	GROUNDWATER ELEVATIONS

1. LOCATIONS OF ABANDONED AND NOT LOCATED WELLS ARE APPROXIMATE.
2. LOCATION OF IR84-MW-19 IS APPROXIMATE.
3. BASE MAP ADAPTED FROM INFORMATION OBTAINED FROM JA JONES MONITORING REPORTS AND DRAWING PROVIDED BY BAKER ENVIRONMENTAL, INC.
4. EXISTING WELL LOCATIONS SURVEYED BY CATLIN PERSONNEL ON MAY 10, 2004 BY USE OF A GPS DEVICE WITH SUBMETER ACCURACY.
5. LOCATION OF UST45/S941-PW01R, UST45/S941-MW02R, UST45/S941-MW03R, AND UST45/S941-MW21 ARE APPROXIMATE.
6. TYPE III WELLS NOT CONSIDERED FOR CONTOUR PURPOSES.

SOVEREIGN CONSULTING INC.
VIRGINIA BEACH, VIRGINIA

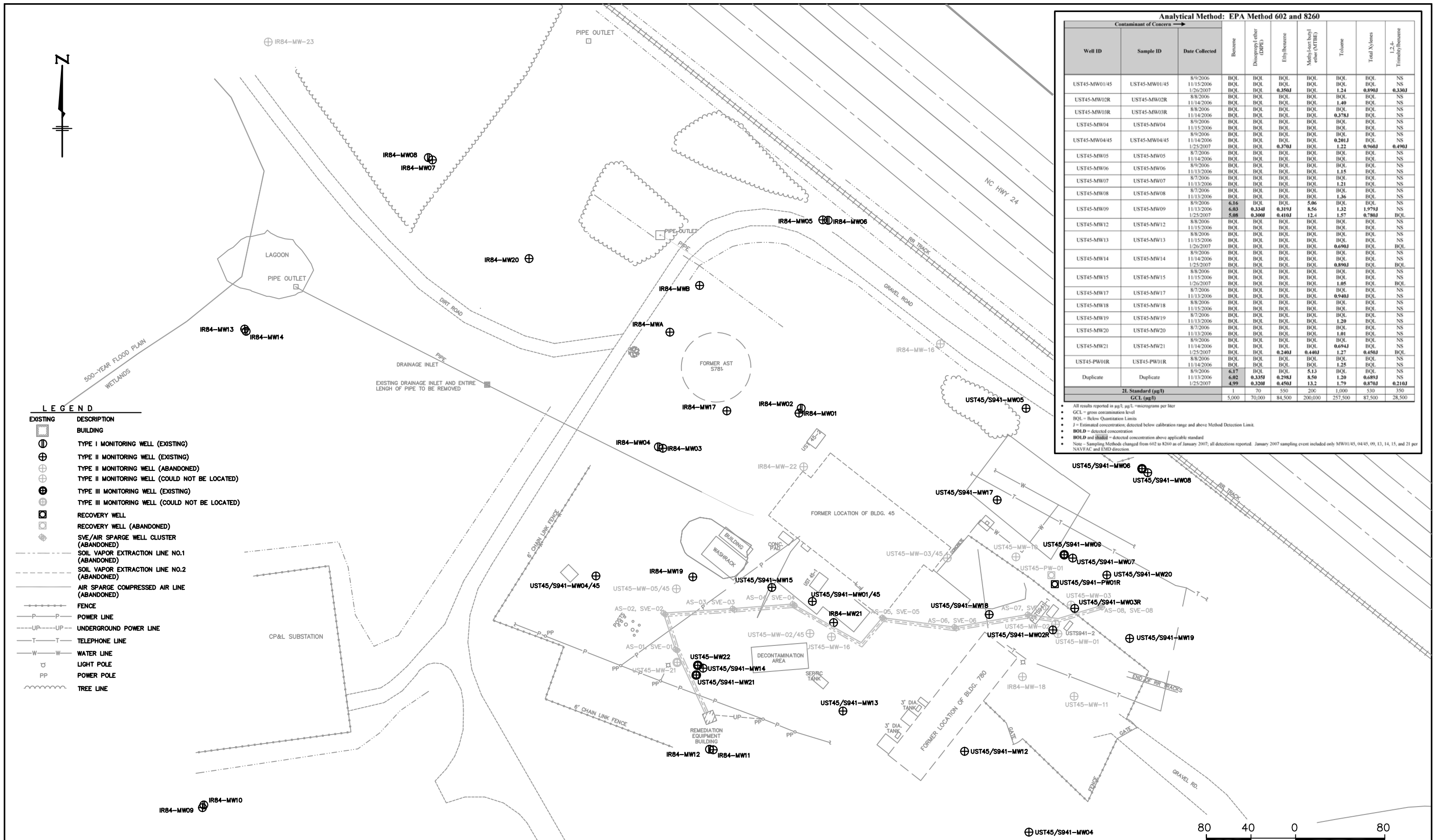
PROJECT: BUILDING 45
MARINE CORPS BASE
CAMP LEJEUNE, N.C.

TITLE: SHALLOW WELL GROUNDWATER ELEVATIONS– JANUARY 2007

FIGURE 4

JOB NO. 206-063 | DATE: MAR 2007 | SCALE: 1"=80' | DRAWN BY: LCJ | CHECKED BY: JAC

206063-BLDG45-MAR07-04



Analytical Method: EPA Method 602 and 8260

Well ID	Sample ID	Date Collected	Benzene	Diisopropyl ether (DIPE)	Ethylbenzene	Methyl-tert butyl ether (MTBE)	Toluene	Total Xylenes	1,2,4-Trimethylbenzene
UST45-MW01/45	UST45-MW01/45	8/9/2006	BQL	BQL	BQL	BQL	BQL	BQL	NS
		11/15/2006	BQL	BQL	BQL	BQL	BQL	BQL	NS
		1/26/2007	BQL	BQL	**0.350J**	BQL	**1.24**	**0.890J**	**0.330J**
UST45-MW02R	UST45-MW02R	8/8/2006	BQL	BQL	BQL	BQL	BQL	BQL	NS
		11/14/2006	BQL	BQL	BQL	BQL	**1.40**	BQL	NS
UST45-MW03R	UST45-MW03R	8/8/2006	BQL	BQL	BQL	BQL	BQL	BQL	NS
		11/14/2006	BQL	BQL	BQL	BQL	**0.378J**	BQL	NS
UST45-MW04	UST45-MW04	8/9/2006	BQL	BQL	BQL	BQL	BQL	BQL	NS
		11/15/2006	BQL	BQL	BQL	BQL	BQL	BQL	NS
UST45-MW04/45	UST45-MW04/45	8/9/2006	BQL	BQL	BQL	BQL	BQL	BQL	NS
		11/14/2006	BQL	BQL	BQL	BQL	**0.201J**	BQL	NS
		1/25/2007	BQL	BQL	**0.370J**	BQL	**1.22**	**0.960J**	**0.490J**
UST45-MW05	UST45-MW05	8/7/2006	BQL	BQL	BQL	BQL	BQL	BQL	NS
		11/14/2006	BQL	BQL	BQL	BQL	BQL	BQL	NS
UST45-MW06	UST45-MW06	8/9/2006	BQL	BQL	BQL	BQL	BQL	BQL	NS
		11/13/2006	BQL	BQL	BQL	BQL	**1.15**	BQL	NS
UST45-MW07	UST45-MW07	8/7/2006	BQL	BQL	BQL	BQL	BQL	BQL	NS
		11/13/2006	BQL	BQL	BQL	BQL	**1.21**	BQL	NS
UST45-MW08	UST45-MW08	8/7/2006	BQL	BQL	BQL	BQL	BQL	BQL	NS
		11/13/2006	BQL	BQL	BQL	BQL	**1.36**	BQL	NS
UST45-MW09	UST45-MW09	8/9/2006	**6.16**	BQL	BQL	**5.06**	BQL	BQL	NS
		11/13/2006	**6.03**	**0.334J**	**0.319J**	**8.56**	**1.32**	**1.979J**	NS
		1/25/2007	**5.08**	**0.300J**	**0.410J**	**12.4**	**1.57**	**0.780J**	BQL
UST45-MW12	UST45-MW12	8/8/2006	BQL	BQL	BQL	BQL	BQL	BQL	NS
		11/15/2006	BQL	BQL	BQL	BQL	BQL	BQL	NS
UST45-MW13	UST45-MW13	8/8/2006	BQL	BQL	BQL	BQL	BQL	BQL	NS
		11/15/2006	BQL	BQL	BQL	BQL	BQL	BQL	NS
		1/26/2007	BQL	BQL	BQL	BQL	**0.690J**	BQL	BQL
UST45-MW14	UST45-MW14	8/9/2006	BQL	BQL	BQL	BQL	BQL	BQL	NS
		11/14/2006	BQL	BQL	BQL	BQL	BQL	BQL	NS
		1/25/2007	BQL	BQL	BQL	BQL	**0.890J**	BQL	BQL
UST45-MW15	UST45-MW15	8/8/2006	BQL	BQL	BQL	BQL	BQL	BQL	NS
		11/15/2006	BQL	BQL	BQL	BQL	BQL	BQL	NS
		1/26/2007	BQL	BQL	BQL	BQL	**1.05**	BQL	BQL
UST45-MW17	UST45-MW17	8/7/2006	BQL	BQL	BQL	BQL	BQL	BQL	NS
		11/13/2006	BQL	BQL	BQL	BQL	**0.940J**	BQL	NS
UST45-MW18	UST45-MW18	8/8/2006	BQL	BQL	BQL	BQL	BQL	BQL	NS
		11/15/2006	BQL	BQL	BQL	BQL	BQL	BQL	NS
UST45-MW19	UST45-MW19	8/7/2006	BQL	BQL	BQL	BQL	BQL	BQL	NS
		11/13/2006	BQL	BQL	BQL	BQL	**1.20**	BQL	NS
UST45-MW20	UST45-MW20	8/7/2006	BQL	BQL	BQL	BQL	BQL	BQL	NS
		11/13/2006	BQL	BQL	BQL	BQL	**1.01**	BQL	NS
UST45-MW21	UST45-MW21	8/9/2006	BQL	BQL	BQL	BQL	BQL	BQL	NS
		11/14/2006	BQL	BQL	BQL	BQL	**0.694J**	BQL	NS
		1/25/2007	BQL	BQL	**0.240J**	**0.440J**	**1.27**	**0.450J**	BQL
UST45-PW01R	UST45-PW01R	8/8/2006	BQL	BQL	BQL	BQL	BQL	BQL	NS
		11/14/2006	BQL	BQL	BQL	BQL	**1.25**	BQL	NS
Duplicate	Duplicate	8/9/2006	**6.17**	BQL	BQL	**5.13**	BQL	BQL	NS
		11/13/2006	**6.02**	**0.335J**	**0.298J**	**8.50**	**1.20**	**0.689J**	NS
		1/25/2007	**4.99**	**0.320J**	**0.450J**	**13.2**	**1.79**	**0.870J**	**0.210J**
2L Standard (µg/l)			1	70	550	200	1,000	530	350
GCL (µg/l)			5,000	70,000	84,500	200,000	257,500	87,500	28,500

- All results reported in µg/l; µg/L =micrograms per liter
- GCL = gross contamination level
- BQL = Below Quantitation Limits
- J = Estimated concentration; detected below calibration range and above Method Detection Limit.
- **BOLD** = detected concentration
- **BOLD** and shaded = detected concentration above applicable standard
- Note – Sampling Methods changed from 602 to 8260 as of January 2007; all detections reported. January 2007 sampling event included only MW01/45, 04/45, 09, 13, 14, 15, and 21 per NAVFAC and EMD direction

LEGEND

EXISTING	DESCRIPTION
	BUILDING
	TYPE I MONITORING WELL (EXISTING)
	TYPE II MONITORING WELL (EXISTING)
	TYPE II MONITORING WELL (ABANDONED)
	TYPE II MONITORING WELL (COULD NOT BE LOCATED)
	TYPE III MONITORING WELL (EXISTING)
	TYPE III MONITORING WELL (COULD NOT BE LOCATED)
	RECOVERY WELL
	RECOVERY WELL (ABANDONED)
	SVE/AIR SPARGE WELL CLUSTER (ABANDONED)
	SOIL VAPOR EXTRACTION LINE NO.1 (ABANDONED)
	SOIL VAPOR EXTRACTION LINE NO.2 (ABANDONED)
	AIR SPARGE COMPRESSED AIR LINE (ABANDONED)
	FENCE
—P—P—	POWER LINE
---UP---UP--	UNDERGROUND POWER LINE
—T—T—	TELEPHONE LINE
—W—W—	WATER LINE
	LIGHT POLE
PP	POWER POLE
	TREE LINE

1. LOCATIONS OF ABANDONED AND NOT LOCATED WELLS ARE APPROXIMATE.
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5. LOCATION OF UST45/S941–PW01R, UST45/S941–MW02R, UST45/S941–MW03R, AND UST45/S941–MW21 ARE APPROXIMATE.

SOVEREIGN CONSULTING INC.
VIRGINIA BEACH, VIRGINIA

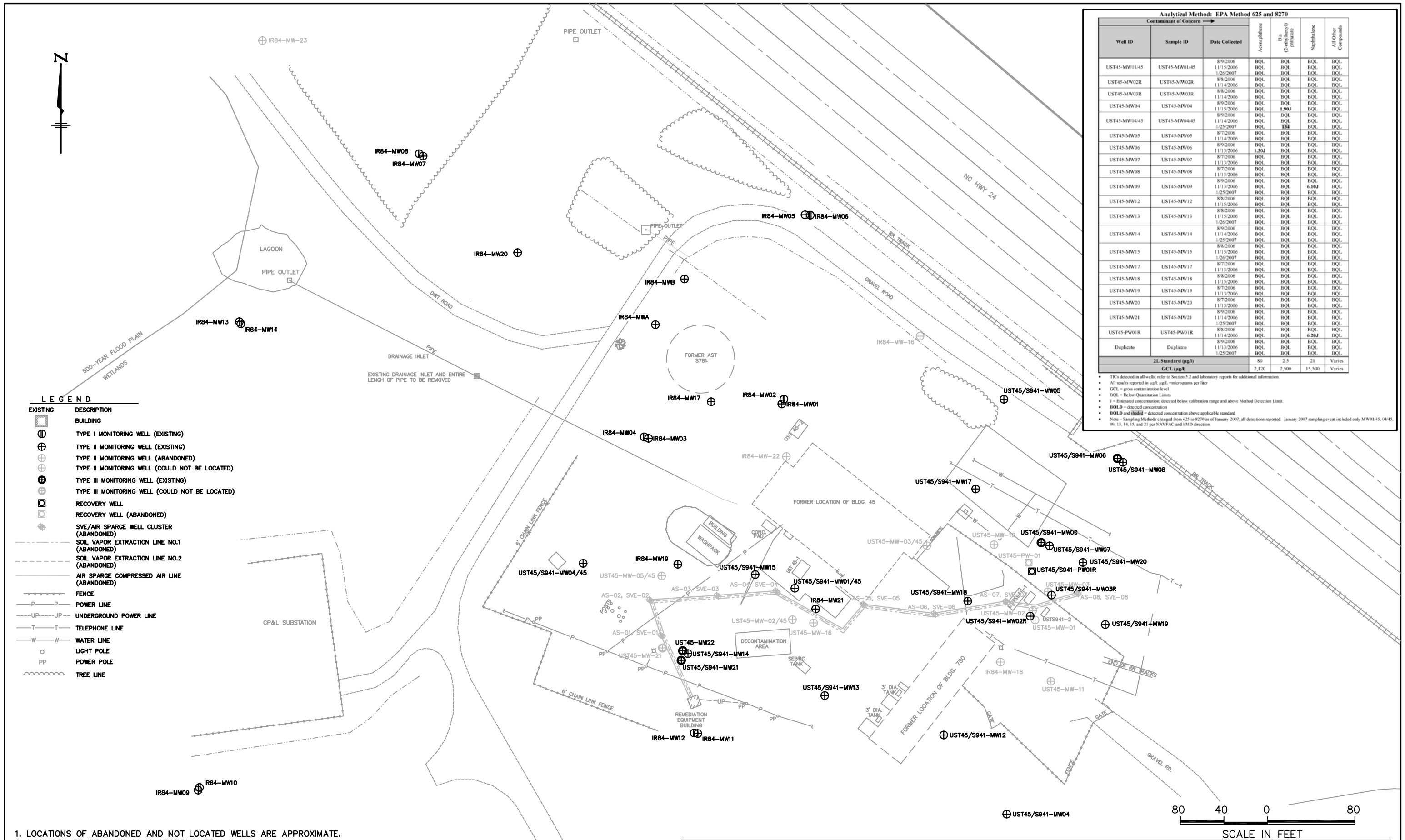
PROJECT: BUILDING 45
MARINE CORPS BASE
CAMP LEJEUNE, N.C.

TITLE: SITE MAP WITH EPA METHOD 602 AND 8260 GROUNDWATER RESULTS

FIGURE 5

JOB NO. 206–063 | DATE: MAR 2007 | SCALE: 1"=80' | DRAWN BY: LCJ | CHECKED BY: JAC

206063–BLDG45–MAR07–05



Analytical Method: EPA Method 625 and 8270

Contaminant of Concern →						
Well ID	Sample ID	Date Collected	Acenaphthene	Bis (2-ethylhexyl) phthalate	Naphthalene	All Other Compounds
UST45-MW01/45	UST45-MW01/45	8/9/2006	BQL	BQL	BQL	BQL
		11/15/2006	BQL	BQL	BQL	BQL
		1/26/2007	BQL	BQL	BQL	BQL
UST45-MW02R	UST45-MW02R	8/8/2006	BQL	BQL	BQL	BQL
		11/14/2006	BQL	BQL	BQL	BQL
UST45-MW03R	UST45-MW03R	8/8/2006	BQL	BQL	BQL	BQL
		11/14/2006	BQL	BQL	BQL	BQL
UST45-MW04	UST45-MW04	8/9/2006	BQL	BQL	BQL	BQL
		11/15/2006	BQL	**1.90J**	BQL	BQL
UST45-MW04/45	UST45-MW04/45	8/9/2006	BQL	BQL	BQL	BQL
		11/14/2006	BQL	BQL	BQL	BQL
		1/25/2007	BQL	**134**	BQL	BQL
UST45-MW05	UST45-MW05	8/7/2006	BQL	BQL	BQL	BQL
		11/14/2006	BQL	BQL	BQL	BQL
UST45-MW06	UST45-MW06	8/9/2006	BQL	BQL	BQL	BQL
		11/13/2006	**1.30J**	BQL	BQL	BQL
UST45-MW07	UST45-MW07	8/7/2006	BQL	BQL	BQL	BQL
		11/13/2006	BQL	BQL	BQL	BQL
UST45-MW08	UST45-MW08	8/7/2006	BQL	BQL	BQL	BQL
		11/13/2006	BQL	BQL	BQL	BQL
UST45-MW09	UST45-MW09	8/9/2006	BQL	BQL	BQL	BQL
		11/13/2006	BQL	BQL	**6.10J**	BQL
		1/25/2007	BQL	BQL	BQL	BQL
UST45-MW12	UST45-MW12	8/8/2006	BQL	BQL	BQL	BQL
		11/15/2006	BQL	BQL	BQL	BQL
UST45-MW13	UST45-MW13	8/8/2006	BQL	BQL	BQL	BQL
		11/15/2006	BQL	BQL	BQL	BQL
		1/26/2007	BQL	BQL	BQL	BQL
UST45-MW14	UST45-MW14	8/9/2006	BQL	BQL	BQL	BQL
		11/14/2006	BQL	BQL	BQL	BQL
		1/25/2007	BQL	BQL	BQL	BQL
UST45-MW15	UST45-MW15	8/8/2006	BQL	BQL	BQL	BQL
		11/15/2006	BQL	BQL	BQL	BQL
		1/26/2007	BQL	BQL	BQL	BQL
UST45-MW17	UST45-MW17	8/7/2006	BQL	BQL	BQL	BQL
		11/13/2006	BQL	BQL	BQL	BQL
UST45-MW18	UST45-MW18	8/8/2006	BQL	BQL	BQL	BQL
		11/15/2006	BQL	BQL	BQL	BQL
UST45-MW19	UST45-MW19	8/7/2006	BQL	BQL	BQL	BQL
		11/13/2006	BQL	BQL	BQL	BQL
UST45-MW20	UST45-MW20	8/7/2006	BQL	BQL	BQL	BQL
		11/13/2006	BQL	BQL	BQL	BQL
UST45-MW21	UST45-MW21	8/9/2006	BQL	BQL	BQL	BQL
		11/14/2006	BQL	BQL	BQL	BQL
		1/25/2007	BQL	BQL	BQL	BQL
UST45-PW01R	UST45-PW01R	8/8/2006	BQL	BQL	BQL	BQL
		11/14/2006	BQL	BQL	**6.20J**	BQL
Duplicate	Duplicate	8/9/2006	BQL	BQL	BQL	BQL
		11/13/2006	BQL	BQL	BQL	BQL
		1/25/2007	BQL	BQL	BQL	BQL
2L Standard (µg/l)			80	2.5	21	Varies
GCL (µg/l)			2,120	2,500	15,500	Varies

- TICs detected in all wells; refer to Section 5.2 and laboratory reports for additional information.
- All results reported in µg/L µg/L =micrograms per liter
- GCL = gross contamination level
- BQL = Below Quantitation Limits
- J = Estimated concentration; detected below calibration range and above Method Detection Limit.
- **BOLD** = detected concentration
- **BOLD** and shaded = detected concentration above applicable standard
- Note – Sampling Methods changed from 625 to 8270 as of January 2007; all detections reported. January 2007 sampling event included only MW01/45, 04/45, 09, 13, 14, 15, and 21 per NAVFAC and EMD direction

LEGEND

EXISTING	DESCRIPTION
	BUILDING
	TYPE I MONITORING WELL (EXISTING)
	TYPE II MONITORING WELL (EXISTING)
	TYPE II MONITORING WELL (ABANDONED)
	TYPE II MONITORING WELL (COULD NOT BE LOCATED)
	TYPE III MONITORING WELL (EXISTING)
	TYPE III MONITORING WELL (COULD NOT BE LOCATED)
	RECOVERY WELL
	RECOVERY WELL (ABANDONED)
	SVE/AIR SPARGE WELL CLUSTER (ABANDONED)
	SOIL VAPOR EXTRACTION LINE NO.1 (ABANDONED)
	SOIL VAPOR EXTRACTION LINE NO.2 (ABANDONED)
	AIR SPARGE COMPRESSED AIR LINE (ABANDONED)
	FENCE
P P	POWER LINE
UP UP	UNDERGROUND POWER LINE
T T	TELEPHONE LINE
W W	WATER LINE
	LIGHT POLE
PP	POWER POLE
	TREE LINE

1. LOCATIONS OF ABANDONED AND NOT LOCATED WELLS ARE APPROXIMATE.
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SOVEREIGN CONSULTING INC.
VIRGINIA BEACH, VIRGINIA

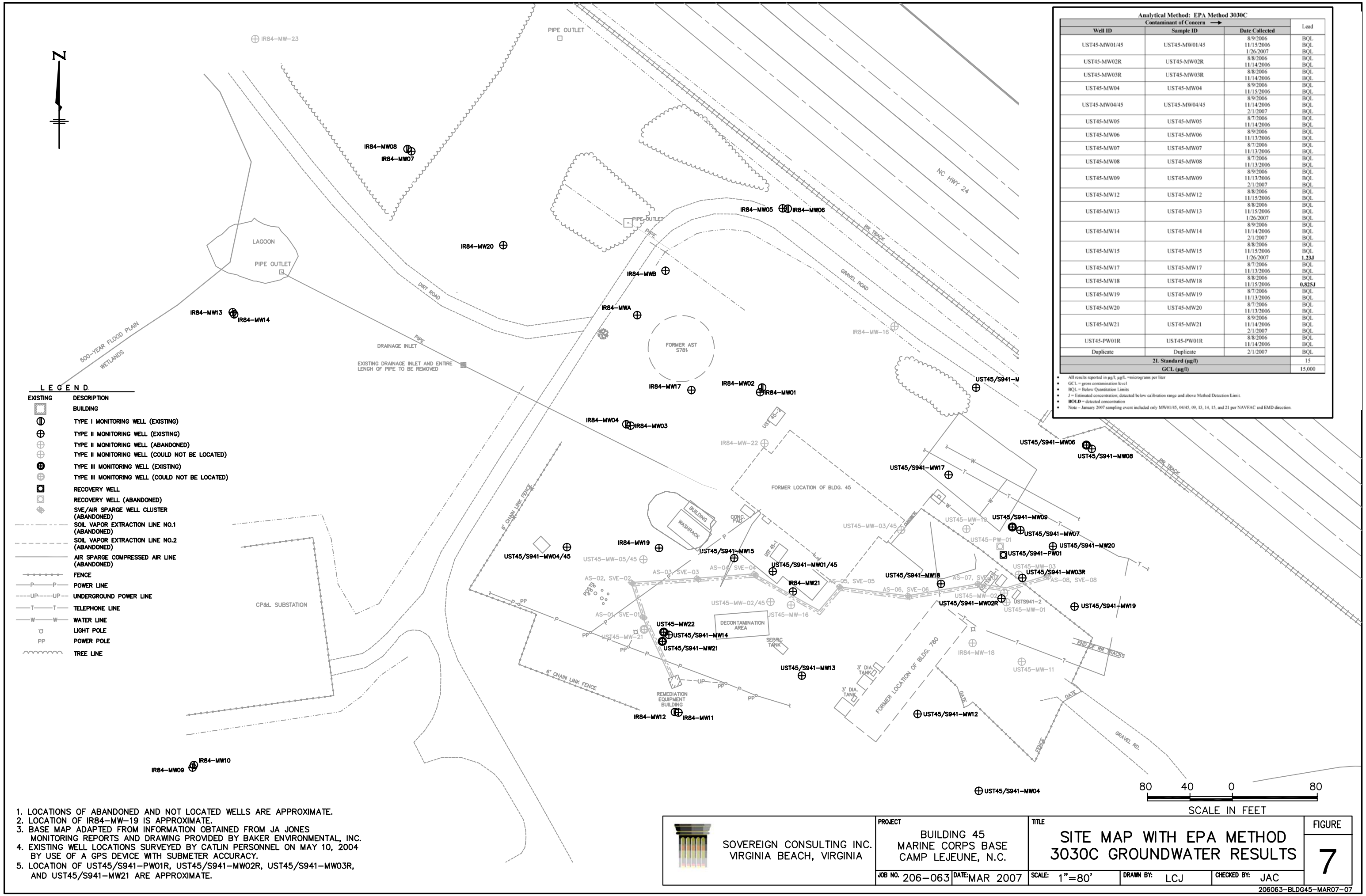
PROJECT: BUILDING 45
MARINE CORPS BASE
CAMP LEJEUNE, N.C.

TITLE: SITE MAP WITH EPA METHOD 625 AND 8270 GROUNDWATER RESULTS

FIGURE: 6

JOB NO. 206–063 | DATE: MAR 2007 | SCALE: 1"=80' | DRAWN BY: LCJ | CHECKED BY: JAC

206063–BLDG45–MAR07–06



Analytical Method: EPA Method 3030C

Contaminant of Concern →			Lead
Well ID	**Sample ID**	**Date Collected**	
UST45-MW01/45	UST45-MW01/45	8/9/2006	BQL
		11/15/2006	BQL
		1/26/2007	BQL
UST45-MW02R	UST45-MW02R	8/8/2006	BQL
		11/14/2006	BQL
UST45-MW03R	UST45-MW03R	8/8/2006	BQL
		11/14/2006	BQL
UST45-MW04	UST45-MW04	8/9/2006	BQL
		11/15/2006	BQL
UST45-MW04/45	UST45-MW04/45	8/9/2006	BQL
		11/14/2006	BQL
		2/1/2007	BQL
UST45-MW05	UST45-MW05	8/7/2006	BQL
		11/14/2006	BQL
UST45-MW06	UST45-MW06	8/9/2006	BQL
		11/13/2006	BQL
UST45-MW07	UST45-MW07	8/7/2006	BQL
		11/13/2006	BQL
UST45-MW08	UST45-MW08	8/7/2006	BQL
		11/13/2006	BQL
UST45-MW09	UST45-MW09	8/9/2006	BQL
		11/13/2006	BQL
		2/1/2007	BQL
UST45-MW12	UST45-MW12	8/8/2006	BQL
		11/15/2006	BQL
UST45-MW13	UST45-MW13	8/8/2006	BQL
		11/15/2006	BQL
		1/26/2007	BQL
UST45-MW14	UST45-MW14	8/9/2006	BQL
		11/14/2006	BQL
		2/1/2007	BQL
UST45-MW15	UST45-MW15	8/8/2006	BQL
		11/15/2006	BQL
		1/26/2007	**1.23J**
UST45-MW17	UST45-MW17	8/7/2006	BQL
		11/13/2006	BQL
UST45-MW18	UST45-MW18	8/8/2006	BQL
		11/15/2006	**0.825J**
UST45-MW19	UST45-MW19	8/7/2006	BQL
		11/13/2006	BQL
UST45-MW20	UST45-MW20	8/7/2006	BQL
		11/13/2006	BQL
UST45-MW21	UST45-MW21	8/9/2006	BQL
		11/14/2006	BQL
		2/1/2007	BQL
UST45-PW01R	UST45-PW01R	8/8/2006	BQL
		11/14/2006	BQL
Duplicate	Duplicate	2/1/2007	BQL
2L Standard (µg/l)			15
GCL (µg/l)			15,000

- All results reported in µg/l; µg/L =micrograms per liter
- GCL = gross contamination level
- BQL = Below Quantitation Limits
- J = Estimated concentration; detected below calibration range and above Method Detection Limit.
- **BOLD** = detected concentration
- Note – January 2007 sampling event included only MW01/45, 04/45, 09, 13, 14, 15, and 21 per NAVFAC and EMD direction.

LEGEND

EXISTING	DESCRIPTION
	BUILDING
	TYPE I MONITORING WELL (EXISTING)
	TYPE II MONITORING WELL (EXISTING)
	TYPE II MONITORING WELL (ABANDONED)
	TYPE II MONITORING WELL (COULD NOT BE LOCATED)
	TYPE III MONITORING WELL (EXISTING)
	TYPE III MONITORING WELL (COULD NOT BE LOCATED)
	RECOVERY WELL
	RECOVERY WELL (ABANDONED)
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	SOIL VAPOR EXTRACTION LINE NO.1 (ABANDONED)
	SOIL VAPOR EXTRACTION LINE NO.2 (ABANDONED)
	AIR SPARGE COMPRESSED AIR LINE (ABANDONED)
	FENCE
—P—P—	POWER LINE
—UP—UP—	UNDERGROUND POWER LINE
—T—T—	TELEPHONE LINE
—W—W—	WATER LINE
	LIGHT POLE
PP	POWER POLE
	TREE LINE

1. LOCATIONS OF ABANDONED AND NOT LOCATED WELLS ARE APPROXIMATE.
2. LOCATION OF IR84–MW–19 IS APPROXIMATE.
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SOVEREIGN CONSULTING INC.
VIRGINIA BEACH, VIRGINIA

PROJECT: BUILDING 45
MARINE CORPS BASE
CAMP LEJEUNE, N.C.

JOB NO. 206–063 | DATE: MAR 2007

TITLE: SITE MAP WITH EPA METHOD 3030C GROUNDWATER RESULTS

SCALE: 1"=80' | DRAWN BY: LCJ | CHECKED BY: JAC

FIGURE 7

206063–BLDG45–MAR07–07

APPENDIX A

HISTORICAL GROUNDWATER DATA

Table 4-1 (Page 1 of 8)

Volatile and Semi-Volatile Organic Compounds Detected in Groundwater - Building 45

September 2003

Marine Corps Base Camp Lejeune, North Carolina

Sample Location / Date Sampled	NCGWQS	MW8 09/29/03	MW9 09/29/03	MW13 09/30/03	MW14 09/30/03	MW15 09/30/03	MW16 09/30/03	MW17 09/29/03
VOCs (ug/L) / Method		EPA 602	EPA 602	EPA 602	EPA 602	EPA 602	EPA 602	EPA 602
Benzene	1	<1.0	**16.6**	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	620	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	29	<1.0	**0.72 J**	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Xylenes (total)	530	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Methyl Tert Butyl Ether	200	<1.0	**15.2**	<1.0	<1.0	<1.0	<1.0	<1.0
Total BTEX		ND	**17.32**	ND	ND	ND	ND	ND
PAHs (ug/L) / Method		EPA 610	EPA 610	EPA 610	EPA 610	EPA 610	EPA 610	EPA 610
Acenaphthene	80	<5.1	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Acenaphthylene	210	<5.1	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Anthracene	2100	<5.1	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Bis(2-Ethylhexyl)phthalate	3	NR	NR	NR	NR	NR	NR	NR
Fluorene	280	<5.1	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1-Methylnaphthalene	RL	<5.1	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
2-Methylnaphthalene	14	<5.1	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Naphthalene	21	<5.1	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Phenanthrene	210	<5.1	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Pyrene	210	<5.1	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0

Sample Location / Date Sampled	NCGWQS	MW18 09/30/03	MW19 09/30/03	MW20 09/30/03	MW1/45 09/30/03	MW1/45 Duplicate 09/30/03	MW4/45 09/30/03
VOCs (ug/L) / Method		EPA 602	EPA 602	EPA 602	EPA 602	EPA 602	EPA 602
Benzene	1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	620	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	29	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Xylenes (total)	530	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
Methyl Tert Butyl Ether	200	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0
Total BTEX	0	ND	ND	ND	ND	ND	ND
PAHs (ug/L) / Method	0	EPA 610	EPA 610	EPA 610	EPA 610	EPA 610	EPA 610
Acenaphthene	80	<5.1	<5.0	<5.0	<5.0	<5.1	<5.1
Acenaphthylene	210	<5.1	<5.0	<5.0	<5.0	<5.1	<5.1
Anthracene	2100	<5.1	<5.0	<5.0	<5.0	<5.1	<5.1
Bis(2-Ethylhexyl)phthalate	3	NR	NR	NR	NR	NR	NR
Fluorene	280	<5.1	<5.0	<5.0	<5.0	<5.1	NR
1-Methylnaphthalene	RL	<5.1	<5.0	<5.0	<5.0	<5.1	<5.1
2-Methylnaphthalene	14	<5.1	<5.0	<5.0	<5.0	<5.1	<5.1
Naphthalene	21	<5.1	<5.0	<5.0	<5.0	<5.1	<5.1
Phenanthrene	210	<5.1	<5.0	<5.0	<5.0	<5.1	<5.1
Pyrene	210	<5.1	<5.0	<5.0	<5.0	<5.1	<5.1

NCGWQS: North Carolina Groundwater Quality Standard

RL: Reporting Limit, no NCGWQS established for the consitituent; thereffore, the NCGWQS for the constituent is the reporting limit

Total BTEX: Sum of detected concentrations of benzene, toluene, ethylbenzene, and xylene isomers

ND: None detected; no benzene, toluene, ethylbenzene, or xylene isomers were detected

ug/L: micrograms per liter

NR: not detected at the indicated reporting limit

J: estimated concentration less than reporting limit

Bold type indicates detectable concentrations.

Shaded area indicates detectable concentration above the North Carolina Groundwater Quality Standards

Table 4-1 (Page 2 of 8)

Volatile and Semi-Volatile Organic Compounds Detected in Groundwater - Building 45

December 2003

Marine Corps Base Camp Lejeune, North Carolina

Sample Location / Date Sampled	NCGWQS	MW8 12/12/03	MW9 12/15/03	MW13 12/12/03	MW14 12/15/03	MW15 12/15/03	MW17 12/12/03
VOCs (ug/L) / Method		EPA 602	EPA 602	EPA 602	EPA 602	EPA 602	EPA 602
Benzene	1	<1.0	**16.4**	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	620	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	29	<1.0	**0.78 J**	<1.0	<1.0	<1.0	<1.0
Toluene	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Xylenes (total)	530	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Methyl Tert Butyl Ether	200	<1.0	**17.0**	<1.0	<1.0	<1.0	<1.0
Total BTEX		ND	**17.18**	ND	ND	ND	ND
PAHs (ug/L) / Method		EPA 610	EPA 610	EPA 610	EPA 610	EPA 610	EPA 610
Acenaphthene	80	<5.0	<5.0	<5.0	<5.0	<5.0	<5.1
Acenaphthylene	210	<5.0	<5.0	<5.0	<5.0	<5.0	<5.1
Anthracene	2100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.1
Bis(2-Ethylhexyl)phthalate	3	NR	NR	NR	NR	NR	NR
Fluorene	280	<5.0	<5.0	<5.0	<5.0	<5.0	<5.1
1-Methylnaphthalene	RL	<5.0	<5.0	<5.0	<5.0	<5.0	<5.1
2-Methylnaphthalene	14	<5.0	<5.0	<5.0	<5.0	<5.0	<5.1
Naphthalene	21	<5.0	<5.0	<5.0	<5.0	<5.0	<5.1
Phenanthrene	210	<5.0	<5.0	<5.0	<5.0	<5.0	<5.1
Pyrene	210	<5.0	<5.0	<5.0	<5.0	<5.0	<5.1

Sample Location / Date Sampled	NCGWQS	MW18 12/12/03	MW19 12/12/03	MW20 12/15/03	MW1/45 12/15/03	MW4/45 12/15/03	MW4/45 Duplicate 12/15/03
VOCs (ug/L) / Method		EPA 602	EPA 602	EPA 602	EPA 602	EPA 602	EPA 602
Benzene	1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	620	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	29	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Xylenes (total)	530	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0
Methyl Tert Butyl Ether	200	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0
Total BTEX	0	ND	ND	ND	ND	ND	ND
PAHs (ug/L) / Method	0	EPA 610	EPA 610	EPA 610	EPA 610	EPA 610	EPA 610
Acenaphthene	80	<5.0	<5.3	<5.0	<5.0	<5.1	<5.0
Acenaphthylene	210	<5.0	<5.3	<5.0	<5.0	<5.1	<5.0
Anthracene	2100	<5.0	<5.3	<5.0	<5.0	<5.1	<5.0
Bis(2-Ethylhexyl)phthalate	3	NR	NR	NR	NR	NR	NR
Fluorene	280	<5.0	<5.3	<5.0	<5.0	<5.1	<5.0
1-Methylnaphthalene	RL	<5.0	<5.3	<5.0	<5.0	<5.1	<5.0
2-Methylnaphthalene	14	<5.0	<5.3	<5.0	<5.0	<5.1	<5.0
Naphthalene	21	<5.0	<5.3	<5.0	<5.0	<5.1	<5.0
Phenanthrene	210	<5.0	<5.3	<5.0	<5.0	<5.1	<5.0
Pyrene	210	<5.0	<5.3	<5.0	<5.0	<5.1	<5.0

NCGWQS: North Carolina Groundwater Quality Standard

RL: Reporting Limit, no NCGWQS established for the consitituent; thereffore, the NCGWQS for the constituent is the reporting limit

Total BTEX: Sum of detected concentrations of benzene, toluene, ethylbenzene, and xylene isomers

ND: None detected; no benzene, toluene, ethylbenzene, or xylene isomers were detected

ug/L: micrograms per liter

<#: not detected at the indicated reporting limit

J: estimated concentration less than reporting limit

Bold type indicates detectable concentrations.

Shaded area indicates detectable concentration above the North Carolina Groundwater Quality Standards

Table 4-1 (Page 3 of 8)

Volatile and Semi-Volatile Organic Compounds Detected in Groundwater - Building 45

March 2004

Marine Corps Base Camp Lejeune, North Carolina

Sample Location Date Sampled	NCGWQS	MW8 03/08/04	MW9 04/29/04	MW13 03/08/04	MW14 03/09/04	MW15 03/09/04	MW17 03/08/04
VOCs (ug/L) / Method		EPA 602	EPA 602	EPA 602	EPA 602	EPA 602	EPA 602
Benzene	1	<1.0	**12.4**	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	620	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	29	<1.0	**2.0**	<1.0	<1.0	<1.0	<1.0
Toluene	1000	<1.0	**0.57 J**	<1.0	<1.0	<1.0	<1.0
Xylenes (total)	530	<3.0	**3.3**	<3.0	<3.0	<3.0	<3.0
Methyl Tert Butyl Ether	200	<1.0	**22.7**	<1.0	<1.0	<1.0	<1.0
Total BTEX		ND	**18.27**	ND	ND	ND	ND
PAHs (ug/L) / Method		EPA 610	EPA 610	EPA 610	EPA 610	EPA 610	EPA 610
Acenaphthene	80	<5.1	<5.0	<5.1	<5.1	<5.2	<5.0
Acenaphthylene	210	<5.1	<5.0	<5.1	<5.1	<5.2	<5.0
Anthracene	2100	<5.1	<5.0	<5.1	<5.1	<5.2	<5.0
Bis(2-Ethylhexyl)phthalate	3	NR	NR	NR	NR	NR	NR
Fluorene	280	<5.1	<5.0	<5.1	<5.1	<5.2	<5.0
1-Methylnaphthalene	RL	<5.1	<5.0	<5.1	<5.1	<5.2	<5.0
2-Methylnaphthalene	14	<5.1	<5.0	<5.1	<5.1	<5.2	<5.0
Naphthalene	21	<5.1	<5.0	<5.1	<5.1	<5.2	<5.0
Phenanthrene	210	<5.1	<5.0	<5.1	<5.1	<5.2	<5.0
Pyrene	210	<5.1	<5.0	<5.1	<5.1	<5.2	<5.0

Sample Location Date Sampled	NCGWQS	MW18 03/08/04	MW19 03/08/04	MW20 03/08/04	MW1/45 03/09/04	MW1/45 Duplicate 03/09/04	MW4/45 03/09/04
VOCs (ug/L) / Method		EPA 602	EPA 602	EPA 602	EPA 602	EPA 602	EPA 602
Benzene	1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	620	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	29	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Xylenes (total)	530	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0
Methyl Tert Butyl Ether	200	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0
Total BTEX	0	ND	ND	ND	ND	ND	ND
PAHs (ug/L) / Method	0	EPA 610	EPA 610	EPA 610	EPA 610	EPA 610	EPA 610
Acenaphthene	80	<5.1	<5.1	<5.0	<5.0	<5.0	<5.2
Acenaphthylene	210	<5.1	<5.1	<5.0	<5.0	<5.0	<5.2
Anthracene	2100	<5.1	<5.1	<5.0	<5.0	<5.0	<5.2
Bis(2-Ethylhexyl)phthalate	3	NR	NR	NR	NR	NR	NR
Fluorene	280	<5.1	<5.1	<5.0	<5.0	<5.0	<5.2
1-Methylnaphthalene	RL	<5.1	<5.1	<5.0	<5.0	<5.0	<5.2
2-Methylnaphthalene	14	<5.1	<5.1	<5.0	<5.0	<5.0	<5.2
Naphthalene	21	<5.1	<5.1	<5.0	<5.0	<5.0	<5.2
Phenanthrene	210	<5.1	<5.1	<5.0	<5.0	<5.0	<5.2
Pyrene	210	<5.1	<5.1	<5.0	<5.0	<5.0	<5.2

NCGWQS: North Carolina Groundwater Quality Standard

RL: Reporting Limit, no NCGWQS established for the consitituent; thereffore, the NCGWQS for the constituent is the reporting limit

Total BTEX: Sum of detected concentrations of benzene, toluene, ethylbenzene, and xylene isomers

ND: None detected; no benzene, toluene, ethylbenzene, or xylene isomers were detected

/L: micrograms per liter

: not detected at the indicated reporting limit

J: estimated concentration less than reporting limit

Bold type indicates detectable concentrations.

Shaded area indicates detectable concentration above the North Carolina Groundwater Quality Standards

Table 4-1 (Page 4 of 8)

Volatile and Semi-Volatile Organic Compounds Detected in Groundwater - Building 45

July 2004

Marine Corps Base Camp Lejeune, North Carolina

Sample Location Date Sampled	NCGWQS	MW7 07/14/04	MW8 07/14/04	MW9 07/14/04	MW9 Duplicate 07/14/04	MW13 07/15/04	MW14 07/15/04	MW15 07/15/04
VOCs (ug/L) / Method		EPA 602	EPA 602	EPA 602	EPA 602	EPA 602	EPA 602	EPA 602
Benzene	1	<1.0	<1.0	**9.1**	**9.3**	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	620	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	29	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Xylenes (total)	530	<3.0	<3.0	<3.0	<1.0	<3.0	<3.0	<3.0
Methyl Tert Butyl Ether	200	<1.0	<1.0	**21.7**	**22.0**	<1.0	<1.0	<1.0
Total BTEX		ND	ND	**9.1**	**9.3**	ND	ND	ND
PAHs (ug/L) / Method		EPA 610	EPA 610	EPA 610	EPA 610	EPA 610	EPA 610	EPA 610
Acenaphthene	80	<4.8	<4.9	<4.8	<4.9	<4.8	<4.9	<5.1
Acenaphthylene	210	<4.8	<4.9	<4.8	<4.9	<4.8	<4.9	<5.1
Anthracene	2100	<4.8	<4.9	<4.8	<4.9	<4.8	<4.9	<5.1
Bis(2-Ethylhexyl)phthalate	3	NR	NR	NR	NR	NR	NR	NR
Fluorene	280	NR	<4.9	<4.8	<4.9	<4.8	<4.9	<5.1
1-Methylnaphthalene	RL	<4.8	<4.9	<4.8	<4.9	<4.8	<4.9	<5.1
2-Methylnaphthalene	14	<4.8	<4.9	<4.8	<4.9	<4.8	<4.9	<5.1
Naphthalene	21	<4.8	<4.9	<4.8	<4.9	<4.8	<4.9	<5.1
Phenanthrene	210	<4.8	<4.9	<4.8	<4.9	<4.8	<4.9	<5.1
Pyrene	210	<4.8	<4.9	<4.8	<4.9	<4.8	<4.9	<5.1

Sample Location Date Sampled	NCGWQS	MW17 07/14/04	MW18 07/15/04	MW19 07/15/04	MW20 07/15/04	MW21 07/15/04	MW1/45 07/15/04	MW4/45 07/15/04
VOCs (ug/L) / Method		EPA 602	EPA 602	EPA 602	EPA 602	EPA 602	EPA 602	EPA 602
Benzene	1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	620	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	29	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Xylenes (total)	530	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Methyl Tert Butyl Ether	200	<1.0	**0.80 J**	<1.0	<1.0	<1.0	<1.0	<1.0
Total BTEX	0	ND	ND	ND	ND	ND	ND	ND
PAHs (ug/L) / Method	0	EPA 610	EPA 610	EPA 610	EPA 610	EPA 610	EPA 610	EPA 610
Acenaphthene	80	<4.8	<4.9	<4.8	<4.8	<5.2	<5.3	<5.0
Acenaphthylene	210	<4.8	<4.9	<4.8	<4.8	<5.2	<5.3	<5.0
Anthracene	2100	<4.8	<4.9	<4.8	<4.8	<5.2	<5.3	<5.0
Bis(2-Ethylhexyl)phthalate	3	NR	NR	NR	NR	NR	NR	NR
Fluorene	280	<4.8	<4.9	<4.8	<4.8	<5.2	<5.3	<5.0
1-Methylnaphthalene	RL	<4.8	<4.9	<4.8	<4.8	<5.2	<5.3	<5.0
2-Methylnaphthalene	14	<4.8	<4.9	<4.8	<4.8	<5.2	<5.3	<5.0
Naphthalene	21	<4.8	<4.9	<4.8	<4.8	<5.2	<5.3	<5.0
Phenanthrene	210	<4.8	<4.9	<4.8	<4.8	<5.2	<5.3	<5.0
Pyrene	210	<4.8	<4.9	<4.8	<4.8	<5.2	<5.3	<5.0

NCGWQS: North Carolina Groundwater Quality Standard

RL: Reporting Limit, no NCGWQS established for the consitituent; thereffore, the NCGWQS for the constituent is the reporting limit

Total BTEX: Sum of detected concentrations of benzene, toluene, ethylbenzene, and xylene isomers

ND: None detected; no benzene, toluene, ethylbenzene, or xylene isomers were detected

ug/L: micrograms per liter

<#: not detected at the indicated reporting limit

J: estimated concentration less than reporting limit

Bold type indicates detectable concentrations.

Shaded area indicates detectable concentration above the North Carolina Groundwater Quality Standards

Table 4-1 (Page 5 of 8)

Volatile and Semi-Volatile Organic Compounds Detected in Groundwater - Building 45

September 2004

Marine Corps Base Camp Lejeune, North Carolina

Sample Location / Date Sampled	NCGWQS	MW7 09/13/04	MW8 09/22/04	MW9 09/13/04	MW9 Duplicate 09/13/04	MW13 09/22/04	MW14 09/13/04	MW15 09/22/04
VOCs (ug/L) / Method		EPA 602	EPA 602	EPA 602	EPA 602	EPA 602	EPA 602	EPA 602
Benzene	1	<1.0	<1.0	8.2	8.1	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	620	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	29	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Xylenes (total)	530	<3.0	<3.0	<3.0	<1.0	<3.0	<3.0	<3.0
Methyl Tert Butyl Ether	200	<1.0	<1.0	**20.2**	**21.0**	<1.0	<1.0	<1.0
Total BTEX		ND	ND	**8.2**	**8.1**	ND	ND	ND
PAHs (ug/L) / Method		EPA 610	EPA 610	EPA 610	EPA 610	EPA 610	EPA 610	EPA 610
Acenaphthene	80	<4.8	<4.8	<4.8	<4.9	<4.8	<4.8	<4.8
Acenaphthylene	210	<4.8	<4.8	<4.8	<4.9	<4.8	<4.8	<4.8
Anthracene	2100	<4.8	<4.8	<4.8	<4.9	<4.8	<4.8	<4.8
Bis(2-Ethylhexyl)phthalate	3	NR	NR	NR	NR	NR	NR	NR
Fluorene	280	NR	<4.8	<4.8	<4.9	<4.8	<4.8	<4.8
1-Methylnaphthalene	RL	<4.8	<4.8	<4.8	<4.9	<4.8	<4.8	<4.8
2-Methylnaphthalene	14	<4.8	<4.8	<4.8	<4.9	<4.8	<4.8	<4.8
Naphthalene	21	<4.8	<4.8	<4.8	<4.9	<4.8	<4.8	<4.8
Phenanthrene	210	<4.8	<4.8	<4.8	<4.9	<4.8	<4.8	<4.8
Pyrene	210	<4.8	<4.8	<4.8	<4.9	<4.8	<4.8	<4.8

Sample Location / Date Sampled	NCGWQS	MW17 09/13/04	MW18 09/22/04	MW19 09/13/04	MW20 09/13/04	MW21 09/13/04	MW1/45 09/22/04	MW4/45 09/22/04
VOCs (ug/L) / Method		EPA 602	EPA 602	EPA 602	EPA 602	EPA 602	EPA 602	EPA 602
Benzene	1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	620	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	29	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Xylenes (total)	530	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Methyl Tert Butyl Ether	200	<1.0	1.1	<1.0	<1.0	<1.0	<1.0	<1.0
Total BTEX	0	ND	ND	ND	ND	ND	ND	ND
PAHs (ug/L) / Method	0	EPA 610	EPA 610	EPA 610	EPA 610	EPA 610	EPA 610	EPA 610
Acenaphthene	80	<5.1	<4.8	<4.8	<4.8	<5.0	<4.8	<5.0
Acenaphthylene	210	<5.1	<4.8	<4.8	<4.8	<5.0	<4.8	<5.0
Anthracene	2100	<5.1	<4.8	<4.8	<4.8	<5.0	<4.8	<5.0
Bis(2-Ethylhexyl)phthalate	3	NR	NR	NR	NR	NR	NR	NR
Fluorene	280	<5.1	<4.8	<4.8	<4.8	<5.0	<4.8	<5.0
1-Methylnaphthalene	RL	<5.1	<4.8	<4.8	<4.8	<5.0	<4.8	<5.0
2-Methylnaphthalene	14	<5.1	<4.8	<4.8	<4.8	<5.0	<4.8	<5.0
Naphthalene	21	<5.1	<4.8	<4.8	<4.8	<5.0	<4.8	<5.0
Phenanthrene	210	<5.1	<4.8	<4.8	<4.8	<5.0	<4.8	<5.0
Pyrene	210	<5.1	<4.8	<4.8	<4.8	<5.0	<4.8	<5.0

NCGWQS: North Carolina Groundwater Quality Standard

RL: Reporting Limit, no NCGWQS established for the consitituent; thereffore, the NCGWQS for the constituent is the reporting limit

Total BTEX: Sum of detected concentrations of benzene, toluene, ethylbenzene, and xylene isomers

ND: None detected; no benzene, toluene, ethylbenzene, or xylene isomers were detected

ug/L: micrograms per liter

#: not detected at the indicated reporting limit

J: estimated concentration less than reporting limit

Bold type indicates detectable concentrations.

Shaded area indicates detectable concentration above the North Carolina Groundwater Quality Standards

Table 4-1 (Page 6 of 8)

Volatile and Semi-Volatile Organic Compounds Detected in Groundwater - Building 45

December 2004

Marine Corps Base Camp Lejeune, North Carolina

Sample Location Date Sampled	NCGWQS	MW7 12/21/04	MW8 12/21/04	MW9 12/21/04	MW13 12/20/04	MW14 12/20/04	MW15 12/20/04	MW17 12/21/04
VOCs (ug/L) / Method		EPA 602	EPA 602	EPA 602	EPA 602	EPA 602	EPA 602	EPA 602
Benzene	1	<1.0	<1.0	**6.7**	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	620	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	29	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Xylenes (total)	530	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Methyl Tert Butyl Ether	200	<1.0	<1.0	**21.6**	<1.0	<1.0	<1.0	<1.0
Total BTEX		ND	ND	**6.7**	ND	ND	ND	ND
PAHs (ug/L) / Method		EPA 610	EPA 610	EPA 610	EPA 610	EPA 610	EPA 610	EPA 610
Acenaphthene	80	<4.8	<4.8	<4.8	<5.2	<5.5	<4.8	<4.8
Acenaphthylene	210	<4.8	<4.8	<4.8	<5.2	<5.5	<4.8	<4.8
Anthracene	2100	<4.8	<4.8	<4.8	<5.2	<5.5	<4.8	<4.8
Bis(2-Ethylhexyl)phthalate	3	NR	NR	NR	NR	NR	NR	NR
Fluorene	280	NR	<4.8	<4.8	<5.2	<5.5	<4.8	<4.8
1-Methylnaphthalene	RL	<4.8	<4.8	<4.8	<5.2	<5.5	<4.8	<4.8
2-Methylnaphthalene	14	<4.8	<4.8	<4.8	<5.2	<5.5	<4.8	<4.8
Naphthalene	21	<4.8	<4.8	<4.8	<5.2	<5.5	<4.8	<4.8
Phenanthrene	210	<4.8	<4.8	<4.8	<5.2	<5.5	<4.8	<4.8
Pyrene	210	<4.8	<4.8	<4.8	<5.2	<5.5	<4.8	<4.8

Sample Location Date Sampled	NCGWQS	MW18 12/20/04	MW19 12/20/04	MW20 12/21/04	MW21 12/20/04	MW21 Duplicate 12/20/04	MW1_45 12/20/04	MW4_45 12/21/04
VOCs (ug/L) / Method		EPA 602	EPA 602	EPA 602	EPA 602	EPA 602	EPA 602	EPA 602
Benzene	1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	620	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	29	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Xylenes (total)	530	<3.0	<3.0	<3.0	<3.0	<1.0	<3.0	<3.0
Methyl Tert Butyl Ether	200	**1.1**	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0
Total BTEX	0	ND	ND	ND	ND	ND	ND	ND
PAHs (ug/L) / Method	0	EPA 610	EPA 610	EPA 610	EPA 610	EPA 610	EPA 610	EPA 610
Acenaphthene	80	<5.6	<5.9	<4.8	<4.8	<6.0	<5.0	<5.1
Acenaphthylene	210	<5.6	<5.9	<4.8	<4.8	<6.0	<5.0	<5.1
Anthracene	2100	<5.6	<5.9	<4.8	<4.8	<6.0	<5.0	<5.1
Bis(2-Ethylhexyl)phthalate	3	NR	NR	NR	NR	NR	NR	NR
Fluorene	280	<5.6	<5.9	<4.8	<4.8	<6.0	<5.0	<5.1
1-Methylnaphthalene	RL	<5.6	<5.9	<4.8	<4.8	<6.0	<5.0	<5.1
2-Methylnaphthalene	14	<5.6	<5.9	<4.8	<4.8	<6.0	<5.0	<5.1
Naphthalene	21	<5.6	<5.9	<4.8	<4.8	<6.0	<5.0	<5.1
Phenanthrene	210	<5.6	<5.9	<4.8	<4.8	<6.0	<5.0	<5.1
Pyrene	210	<5.6	<5.9	<4.8	<4.8	<6.0	<5.0	<5.1

NCGWQS: North Carolina Groundwater Quality Standard

RL: Reporting Limit, no NCGWQS established for the consitituent; thereffore, the NCGWQS for the constituent is the reporting limit

Total BTEX: Sum of detected concentrations of benzene, toluene, ethylbenzene, and xylene isomers

ND: None detected; no benzene, toluene, ethylbenzene, or xylene isomers were detected

ug/L: micrograms per liter

<#: not detected at the indicated reporting limit

J: estimated concentration less than reporting limit

Bold type indicates detectable concentrations.

Shaded area indicates detectable concentration above the North Carolina Groundwater Quality Standards

Table 4-1 (Page 7 of 8)

Volatile and Semi-Volatile Organic Compounds Detected in Groundwater - Building 45

March 2005

Marine Corps Base Camp Lejeune, North Carolina

Sample Location	NCGWQS	MW7	MW8	MW9	MW9 Duplicate	MW13	MW14	MW15	MW17	MW18
Date Sampled		03/03/05	03/04/05	03/03/05	03/04/05	03/03/05	03/03/05	03/03/05	03/03/05	03/04/05
VOCs (ug/L) / Method		EPA 602	EPA 602	EPA 602	EPA 602	EPA 602	EPA 602	EPA 602	EPA 602	EPA 602
Benzene	1	<1.0	<1.0	**5.0**	**5.0**	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	620	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	29	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Xylenes (total)	530	<3.0	<3.0	<3.0	<1.0	<3.0	<3.0	<3.0	<3.0	<3.0
Methyl Tert Butyl Ether	200	<1.0	<1.0	**20.2**	**20.2**	<1.0	<1.0	<1.0	<1.0	**1.1**
Total BTEX		ND	ND	**5**	**5**	ND	ND	ND	ND	ND
PAHs (ug/L) / Method		EPA 610	EPA 610	EPA 610	EPA 610	EPA 610	EPA 610	EPA 610	EPA 610	EPA 610
Acenaphthene	80	<5.2	<4.8	<5.0	<4.9	<5.0	<4.8	<5.4	<4.8	<5.6
Acenaphthylene	210	<5.2	<4.8	<5.0	<4.9	<5.0	<4.8	<5.4	<4.8	<5.6
Anthracene	2100	<5.2	<4.8	<5.0	<4.9	<5.0	<4.8	<5.4	<4.8	<5.6
Bis(2-Ethylhexyl)phthalate	3	NR	NR	NR	NR	NR	NR	NR	NR	NR
Fluorene	280	NR	<4.8	<5.0	<4.9	<5.0	<4.8	<5.4	<4.8	<5.6
1-Methylnaphthalene	RL	<5.2	<4.8	<5.0	<4.9	<5.0	<4.8	<5.4	<4.8	<5.6
2-Methylnaphthalene	14	<5.2	<4.8	<5.0	<4.9	<5.0	<4.8	<5.4	<4.8	<5.6
Naphthalene	21	<5.2	<4.8	<5.0	<4.9	<5.0	<4.8	<5.4	<4.8	<5.6
Phenanthrene	210	<5.2	<4.8	<5.0	<4.9	<5.0	<4.8	<5.4	<4.8	<5.6
Pyrene	210	<5.2	<4.8	<5.0	<4.9	<5.0	<4.8	<5.4	<4.8	<5.6

Sample Location	NCGWQS	MW19	MW20	MW21	MW23	MW24	MW1/45	MW4/45	PW2
Date Sampled		03/03/05	03/03/05	03/03/05	03/04/05	03/04/05	03/02/05	03/02/05	03/04/05
VOCs (ug/L) / Method		EPA 602	EPA 602	EPA 602	EPA 602	EPA 602	EPA 602	EPA 602	EPA 602
Benzene	1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	620	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	29	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Xylenes (total)	530	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Methyl Tert Butyl Ether	200	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Total BTEX	0	ND	ND	ND	ND	ND	ND	ND	ND
PAHs (ug/L) / Method	0	EPA 610	EPA 610	EPA 610	EPA 610	EPA 610	EPA 610	EPA 610	EPA 610
Acenaphthene	80	<4.8	<4.9	<4.8	<4.8	<5.0	<5.0	<4.9	<5.0
Acenaphthylene	210	<4.8	<4.9	<4.8	<4.8	<5.0	<5.0	<4.9	<5.0
Anthracene	2100	<4.8	<4.9	<4.8	<4.8	<5.0	<5.0	<4.9	<5.0
Bis(2-Ethylhexyl)phthalate	3	NR	NR	NR	NR	NR	NR	NR	NR
Fluorene	280	<4.8	<4.9	<4.8	<4.8	<5.0	<5.0	<4.9	<5.0
1-Methylnaphthalene	RL	<4.8	<4.9	<4.8	<4.8	<5.0	<5.0	<4.9	<5.0
2-Methylnaphthalene	14	<4.8	<4.9	<4.8	<4.8	<5.0	<5.0	<4.9	<5.0
Naphthalene	21	<4.8	<4.9	<4.8	<4.8	<5.0	<5.0	<4.9	<5.0
Phenanthrene	210	<4.8	<4.9	<4.8	<4.8	<5.0	<5.0	<4.9	<5.0
Pyrene	210	<4.8	<4.9	<4.8	<4.8	<5.0	<5.0	<4.9	<5.0

NCGWQS: North Carolina Groundwater Quality Standard

RL: Reporting Limit, no NCGWQS established for the consitituent; thereffore, the NCGWQS for the constituent is the reporting limit

Total BTEX: Sum of detected concentrations of benzene, toluene, ethylbenzene, and xylene isomers

ND: None detected; no benzene, toluene, ethylbenzene, or xylene isomers were detected

UL: micrograms per liter

: not detected at the indicated reporting limit

J: estimated concentration less than reporting limit

Bold type indicates detectable concentrations.

Shaded area indicates detectable concentration above the North Carolina Groundwater Quality Standards

Table 4-1 (Page 8 of 8)

Volatile and Semi-Volatile Organic Compounds Detected in Groundwater - Building 45

June 2005

Marine Corps Base Camp Lejeune, North Carolina

Sample Location Date Sampled	NCGWQS	MW7 06/14/05	MW8 06/14/05	MW9 06/14/05	MW9 Duplicate 06/14/05	MW13 06/14/05	MW14 06/14/05	MW15 06/14/05	MW17 06/14/05	MW18 06/14/05
VOCs (ug/L) / Method		EPA 602	EPA 602	EPA 602	EPA 602	EPA 602	EPA 602	EPA 602	EPA 602	EPA 602
Benzene	1	<1.0	<1.0	**4.6**	**4.5**	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	620	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	29	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Xylenes (total)	530	<3.0	<3.0	<3.0	<1.0	<3.0	<3.0	<3.0	<3.0	<3.0
Methyl Tert Butyl Ether	200	<1.0	<1.0	**13.9**	**13.5**	<1.0	<1.0	<1.0	<1.0	**1.0**
Total BTEX		ND	ND	**4.6**	**4.5**	ND	ND	ND	ND	ND
PAHs (ug/L) / Method		EPA 610	EPA 610	EPA 610	EPA 610	EPA 610	EPA 610	EPA 610	EPA 610	EPA 610
Acenaphthene	80	<4.8	<5.2	<5.1	<5.2	<5.0	<5.0	<5.0	<4.8	<5.0
Acenaphthylene	210	<4.8	<5.2	<5.1	<5.2	<5.0	<5.0	<5.0	<4.8	<5.0
Anthracene	2100	<4.8	<5.2	<5.1	<5.2	<5.0	<5.0	<5.0	<4.8	<5.0
Bis(2-Ethylhexyl)phthalate	3	NR	NR	NR	NR	NR	NR	NR	NR	NR
Fluorene	280	NR	<5.2	<5.1	<5.2	<5.0	<5.0	<5.0	<4.8	<5.0
1-Methylnaphthalene	RL	<4.8	<5.2	<5.1	<5.2	<5.0	<5.0	<5.0	<4.8	<5.0
2-Methylnaphthalene	14	<4.8	<5.2	<5.1	<5.2	<5.0	<5.0	<5.0	<4.8	<5.0
Naphthalene	21	<4.8	<5.2	<5.1	<5.2	<5.0	<5.0	<5.0	<4.8	<5.0
Phenanthrene	210	<4.8	<5.2	<5.1	<5.2	<5.0	<5.0	<5.0	<4.8	<5.0
Pyrene	210	<4.8	<5.2	<5.1	<5.2	<5.0	<5.0	<5.0	<4.8	<5.0

Sample Location Date Sampled	NCGWQS	MW19 06/14/05	MW20 06/14/05	MW21 06/14/05	MW23 06/14/05	MW24 06/14/05	MW1_45 06/14/05	MW4_45 06/14/05	PW2 06/14/05
VOCs (ug/L) / Method		EPA 602	EPA 602	EPA 602	EPA 602	EPA 602	EPA 602	EPA 602	EPA 602
Benzene	1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	620	<1.0	<1.0	<1.0	**0.54 J**	<1.0	<1.0	<1.0	**0.57 J**
Ethylbenzene	29	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Xylenes (total)	530	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Methyl Tert Butyl Ether	200	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Total BTEX	0	ND	ND	ND	ND	ND	ND	ND	ND
PAHs (ug/L) / Method	0	EPA 610	EPA 610	EPA 610	EPA 610	EPA 610	EPA 610	EPA 610	EPA 610
Acenaphthene	80	<5.1	<5.2	<5.0	<4.9	<4.8	<5.0	<5.1	<5.1
Acenaphthylene	210	<5.1	<5.2	<5.0	<4.9	<4.8	<5.0	<5.1	<5.1
Anthracene	2100	<5.1	<5.2	<5.0	<4.9	<4.8	<5.0	<5.1	<5.1
Bis(2-Ethylhexyl)phthalate	3	NR	NR	NR	NR	NR	NR	NR	NR
Fluorene	280	<5.1	<5.2	<5.0	<4.9	<4.8	<5.0	<5.1	<5.1
1-Methylnaphthalene	RL	<5.1	<5.2	<5.0	<4.9	<4.8	<5.0	<5.1	<5.1
2-Methylnaphthalene	14	<5.1	<5.2	<5.0	<4.9	<4.8	<5.0	<5.1	<5.1
Naphthalene	21	<5.1	<5.2	<5.0	<4.9	<4.8	<5.0	<5.1	<5.1
Phenanthrene	210	<5.1	<5.2	<5.0	<4.9	<4.8	<5.0	<5.1	<5.1
Pyrene	210	<5.1	<5.2	<5.0	<4.9	<4.8	<5.0	<5.1	<5.1

NCGWQS: North Carolina Groundwater Quality Standard

RL: Reporting Limit, no NCGWQS established for the consitituent; thereffore, the NCGWQS for the constituent is the reporting limit

Total BTEX: Sum of detected concentrations of benzene, toluene, ethylbenzene, and xylene isomers

ND: None detected; no benzene, toluene, ethylbenzene, or xylene isomers were detected

ug/L: micrograms per liter

<#: not detected at the indicated reporting limit

J: estimated concentration less than reporting limit

Bold type indicates detectable concentrations.

Shaded area indicates detectable concentration above the North Carolina Groundwater Quality Standards

Historical Data Table
Analytical Data for November 2005 Sampling Event
Building 45, MCB Camp Lejeune

Parameter	NCGWQS	GCL	PW-01R	MW-02R	MW-03R	MW-06	MW-07	MW-08	MW-09	MW-18	MW-19
VOCs by EPA Method 6210D (µg/L)											
All Compounds	Varies	Varies	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
Benzene	1	5,000	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	**4.69**	<1.00	<1.00
Diisopropyl ether (DIPE)	70	70,000	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Ethylbenzene	550	84,500	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Methyl-tert butyl ether (MTBE)	200	200,000	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	**4.39**	<2.00	<2.00
Toluene	1,000	257,500	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Xylenes (total)	530	87,500	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00
SVOCs by EPA Method 625 (µg/L)											
Bis(2-ethylhexyl)phthalate	2.5	2,500	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Flourene	280	950	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Naphthalene	21	15,500	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Phenol	300	300,000	< 10.0	< 10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
TICs (total)			<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	**43.03**	<10.0
All other Compounds	Varies	Varies	< 10.0	< 10.0	< 10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
EPA 200.7 / SM 3030C (ug/L)											
Lead	15	15,000	< 5.00 B	< 5.00 B	< 5.00 B	< 5.00 B	< 5.00 B	< 5.00 B	< 5.00 B	< 5.00 B	< 5.00 B

Bold type indicates detectable contaminant concentrations
Bold and shaded indicates detectable concentrations above the NCGWQS
Bold and shaded indicates detectable concentrations above the GCL
NCGWQS - North Carolina Groundwater Quality Standard
GCL - Gross Contaminant Level
<# - not detected at the indicated reporting limit
ug/L - micrograms per liter
NE - Not established
RL - the NCGWQS for the constituent is the reporting limit
ND - None detected (no summed constituents were detected)
J - estimated concentration between minimium detection limit and reporting limit
B - Amount in prep blank > MDL
No duplicate for this sampling event

Historical Data Table
Analytical Data for April 2006 Sampling Event
Building 45, MCB Camp Lejeune

Parameter	NCGWQS	GCL	PW-01R	MW-02R	MW-03R	MW-04	MW-05	MW-06	MW-07	MW-08	MW-09	MW-12	MW-13	MW-14	MW-15	MW-17	MW-18	MW-19	MW-20	MW-21	MW-01/45	MW-04/45
VOCs by EPA Method 6210D (µg/L)																						
All Compounds	Varies	Varies	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
Benzene	1	5,000	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	**5.87**	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Diisopropyl ether (DIPE)	70	70,000	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Ethylbenzene	550	84,500	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Methyl-tert butyl ether (MTBE)	200	200,000	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	**4.46**	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
Toluene	1,000	257,500	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Xylenes (total)	530	87,500	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00
SVOCs by EPA Method 625 (µg/L)																						
Bis(2-ethylhexyl)phthalate	2.5	2,500	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Flourene	280	950	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Naphthalene	21	15,500	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Phenol	300	300,000	< 10.0	< 10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
TICs (total)			<10.0	<10.0	<10.0	<10.0	**9.88**	<10.0	**21**	<10.0	**20.1**	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
All other Compounds	Varies	Varies	< 10.0	< 10.0	< 10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
EPA 200.7 / SM 3030C (ug/L)																						
Lead	15	15,000	< 5.00 B	< 5.00 B	< 5.00 B	< 5.00 B	< 5.00 B	< 5.00 B	< 5.00 B	< 5.00 B	< 5.00 B	< 5.00 B	< 5.00 B	< 5.00 B	< 5.00 B	< 5.00 B	< 5.00 B	< 5.00 B	< 5.00 B	< 5.00 B	< 5.00 B	< 5.00 B

Bold type indicates detectable contaminant concentrations
Bold and shaded indicates detectable concentrations above the NCGWQS
Bold and shaded indicates detectable concentrations above the GCL
NCGWQS - North Carolina Groundwater Quality Standard
GCL - Gross Contaminant Level
<ll - not detected at the indicated reporting limit
ug/L - micrograms per liter
NE - Not established
RL - the NCGWQS for the constituent is the reporting limit
ND - None detected (no summed constituents were detected)
J - estimated concentration between minimium detection limit and reporting limit
B - Amount in prep blank > MDL

Historical Data Table
Analytical Data for August 2006 Sampling Event
Building 45, MCB Camp Lejeune

Parameter	NCGWQS	GCL	MW-01/45	MW-02R	MW-03R	MW-04	MW-04/45	MW-05	MW-06	MW-07	MW-08	MW-09	MW-12	MW-13	MW-14	MW-15	MW-17	MW-18	MW-19	MW-20	MW-21	PW-01R	Duplicate
VOCs by EPA Method 602 and 8260 (µg/L)																							
Benzene	1	5,000	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	6.16	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	6.17
Diisopropyl ether (DIPE)	70	70,000	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Ethylbenzene	550	84,500	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Toluene	200	200,000	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Xylenes (total)	1,000	257,500	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
Methyl-tert butyl ether (MTBE)	530	87,500	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	**5.06**	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	**5.13**
1,2,4- Trimethylbenzene			NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SVOCs by EPA Method 625 and 8270 (µg/L)																							
Acenaphthene	80	2,120	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Bis(2-ethylhexyl)phthalate	2.50	2,500	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Naphthalene	21	15,500	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
EPA 200.7 / SM 3030C (µg/L)																							
Lead (EPA 6010B / SM 3030C) (ug/L)	15	15,000	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0

Bold type indicates detectable contaminant concentrations
Bold and shaded indicates detectable concentrations above the NCGWQS
Bold and shaded indicates detectable concentrations above the GCL
NCGWQS - North Carolina Groundwater Quality Standard
GCL - Gross Contaminant Level
</# - not detected at the indicated reporting limit
ug/L - micrograms per liter
NE - Not established
RL - the NCGWQS for the constituent is the reporting limit
ND - None detected (no surumed constituents were detected)
J - estimated concentration between minimium detection limit and reporting limit
B - Amount in prep blank > MDL

Historical Data Table
Analytical Data for November 2006 Sampling Event
Building 45, MCB Camp Lejeune

Parameter	NCGWQS	GCL	MW-01/45	MW-02R	MW-03R	MW-04	MW-04/45	MW-05	MW-06	MW-07	MW-08	MW-09	MW-12	MW-13	MW-14	MW-15	MW-17	MW-18	MW-19	MW-20	MW-21	PW-01R	Duplicate
VOCs by BPA Method 602 and 8260 (ug/L)																							
Benzene	1	5,000	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	**6.03**	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	**6.02**
Diisopropyl ether (DIPE)	70	70,000	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	**0.334 J**	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	**0.335 J**
Ethylbenzene	550	84,500	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	**0.319 J**	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	**0.298 J**
Toluene	200	200,000	<1.00	**1.40**	**0.378 J**	<1.00	**0.201 J**	<1.00	**1.15**	**1.2**	**1.36**	**1.32**	<1.00	<1.00	<1.00	<1.00	**0.940 J**	<1.00	**1.20**	**1.01**	**0.694 J**	**1.25**	**1.20**
Xylenes (total)	1,000	257,500	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	**1.979 J**	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	**0.689 J**
Methyl-tert butyl ether (MTBE)	530	87,500	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	**8.56**	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	**8.50**
1,2,4- Trimethtylbenzene			NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SVOCs by EPA Method 625 and 8270 (ug/L)																							
Acenaphthene	80	2,120	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	**1.30 J**	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Bis(2-ethylhexyl)phthalate	2.50	2,500	<10.0	<10.0	<10.0	**1.90 J**	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Naphthalene	21	15,500	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	**6.10 J**	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	**6.20 J**	<10.0
EPA 200.7 / SM 3030C (ug/L)																							
Lead (EPA 6010B / SM 3030C)	15	15,000	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	**0.825 J**	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0

Bold type indicates detectable contaminant concentrations
Bold and shaded indicates detectable concentrations above the NCGWQS
Bold and shaded indicates detectable concentrations above the GCL
NCGWQS - North Carolina Groundwater Quality Standard
GCL - Gross Contaminant Level
<ll - not detected at the indicated reporting limit
ug/L - micrograms per liter
NE - Not established
RL - the NCGWQS for the constituent is the reporting limit
ND - None detected (no summed constituents were detected)
J - estimated concentration between minimium detection limit and reporting limit
B - Amount in prep blank > MDL

Historical Data Table
Analytical Data for January 2007 Sampling Event
Building 45, MCB Camp Lejeune

Parameter	NCGWQS	GCL	MW-01/45	MW-04/45	MW-09	MW-13	MW-14	MW-15	MW-21	Duplicate
VOCs by EPA Method 602 and 8260 (µg/L)										
Benzene	1	5,000	<1.00	<1.00	**5.08**	<1.00	<1.00	<1.00	<1.00	**4.99**
Diisopropyl ether (DIPE)	70	70,000	<1.00	<1.00	**0.300 J**	<1.00	<1.00	<1.00	<1.00	**0.320 J**
Ethylbenzene	550	84,500	**0.350 J**	**0.370 J**	**0.410 J**	<1.00	<1.00	<1.00	**0.240 J**	**0.450 J**
Toluene	200	200,000	**1.24**	**1.22**	**1.57**	**0.690 J**	**0.890 J**	**1.05**	**1.27**	**1.79**
Xylenes (total)	1,000	257,500	**0.890 J**	**0.960 J**	**0.780 J**	<2.00	<2.00	<2.00	**0.450 J**	**0.870 J**
Methyl-tert butyl ether (MTBE)	530	87,500	<2.00	<2.00	**12.4**	<2.00	<2.00	<2.00	**0.440 J**	**13.2**
1,2,4- Trimethtylbenzene			**0.330 J**	**0.490 J**	<0.50	NS	<0.50	<0.50	<0.50	**0.210 J**
SVOCs by EPA Method 625 and 8270 (µg/L)										
Acenaphthene	80	2,120	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Bis(2-ethylhexyl)phthalate	2.50	2,500	<10.0	**134**	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Naphthalene	21	15,500	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
EPA 200.7 / SM 3030C (ug/L)										
Lead (EPA 6010B / SM 3030C) (ug/L)	15	15,000	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	**1.23 J**	< 5.0	< 5.0

Bold type indicates detectable contaminant concentrations
Bold and shaded indicates detectable concentrations above the NCGWQS
Bold and shaded indicates detectable concentrations above the GCL
NCGWQS - North Carolina Groundwater Quality Standard
GCL - Gross Contaminant Level
<# - not detected at the indicated reporting limit
ug/L - micrograms per liter
NE - Not established
RL - the NCGWQS for the constituent is the reporting limit
ND - None detected (no summed constituents were detected)
J - estimated concentration between minimium detection limit and reporting limit
B - Amount in prep blank > MDL

TABLE A-2 (page 1 of 5)
Depth to Product Data Over Time
Building 45 Site

Location	Top of Casing Elevation[1]	Screen Zone	Depth to Product (feet BTOC)																							
			7/6/1998	7/16/1998	7/22/1998	8/11/1998	9/21/1998	10/14/1998	11/2/1998	12/8/1998	1/14/1999	2/8/1999	3/19/1999	4/9/1999	4/9/1999	4/13/1999	4/22/1999	4/22/1999	5/11/1999	5/11/1999	6/22/1999	6/22/1999	6/29/1999	6/29/1999	7/12/1999	7/19/1999
MW2	10.84	Shallow	5.97	6.41	6.73	Trace	4.70	--	6.35	7.16	6.05	5.10	5.25	5.35	NM	6.12	5.73	Trace	5.35	--	5.66	--	6.44	--	7.50	7.21
MW3	11.02	Shallow	--	6.72	7.33	Trace	5.50	--	7.01	7.84	6.83	5.62	5.66	7.10	--	--	NM	9.91	5.86	--	6.68	--	7.05	--	7.79	7.72
MW4	14.83	Shallow	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW5	9.73	Shallow	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW6	10.71	Deep	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
MW7	10.00	Shallow	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW8	10.73	Shallow	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Trace	--	--	--	--	--	--	--	--
MW9	10.27	Deep	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
MW10	11.49	Shallow	--	--	--	--	--	--	--	--	--	--	--	--	--	18.51	7.42	--	--	--	--	--	--	--	--	--
MW12	InD	Shallow	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
MW13	8.32	Shallow	NM	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW14	7.32	Shallow	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
MW15	8.26	Shallow	--	--	--	--	NM	--	--	--	--	--	--	--	--	--	--	--	--	--	NM	NM	NM	NM	NM	NM
MW16	8.77	Shallow	NM	--	--	--	--	--	--	--	--	--	--	--	--	Trace	--	--	--	--	--	--	--	--	--	--
MW17	8.95	Shallow	NM	--	--	NM	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW18	10.80	Shallow	--	--	--	--	--	--	--	NM	--	--	--	--	--	--	--	7.55	--	--	--	--	--	--	--	NM
MW19	11.85	Shallow	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW20	10.64	Shallow	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW21	7.13	Deep	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
MW22	InD	Deep	--	--	--	--	--	--	--	--	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW23	11.07	Shallow	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW24	12.17	Shallow	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
PW1	10.08	Shallow	NM	--	--	--	--	5.23	--	--	5.56	--	4.90	--	--	25.30	5.30	--	--	--	--	--	--	--	--	--
PW2	12.14	Shallow	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW1/45	11.43	Shallow	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW4/45	InD	Shallow	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL

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BTOC - below top of casing
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"--": indicates no measurable product detected

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TABLE A-2 (page 2 of 5)
Depth to Product Data Over Time
Building 45 Site

Location	Top of Casing Elevatiion [1]	Screen Zone	Depth to Product (feet BTOC)																						
			7/19/1999	7/27/1999	7/27/1999	8/18/1999	8/18/1999	8/26/1999	8/26/1999	9/2/1999	9/2/1999	10/12/1999	11/22/1999	1/26/2000	3/16/2000	4/7/2000	5/16/2000	6/15/2000	6/16/2000	6/19/2000	7/18/2000	7/19/2000	8/31/2000	8/31/2000	9/11/2000
MW2	10.84	Shallow	--	7.34	--	8.15	--	8.30	--	6.65	--	5.46	5.33	5.16	5.65	5.92	5.36	--	6.95	--	--	--	4.40	--	--
MW3	11.02	Shallow	--	7.95	--	8.73	--	8.84	--	Trace	--	6.40	6.13	NM	--	--	5.88	--	--	--	--	--	--	--	--
MW4	14.83	Shallow	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW5	9.73	Shallow	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW6	10.71	Deep	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
MW7	10.00	Shallow	--	--	--	--	--	--	--	--	--	--	--	NM	--	--	--	--	--	--	--	--	--	--	--
MW8	10.73	Shallow	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW9	10.27	Deep	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
MW10	11.49	Shallow	--	--	--	--	--	--	--	--	--	5.92	5.92	--	--	--	--	--	--	--	--	--	--	--	--
MW12	InD	Shallow	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
MW13	8.32	Shallow	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	NM	NM	--
MW14	7.32	Shallow	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
MW15	8.26	Shallow	NM	--	NM	--	--	NM	NM	NM	NM	--	NM	NM	--	--	--	--	--	--	--	--	--	--	--
MW16	8.77	Shallow	--	--	--	--	--	--	--	--	--	NM	NM	NM	--	--	--	--	--	--	--	--	NM	NM	NM
MW17	8.95	Shallow	--	--	--	--	--	--	--	--	--	NM	NM	NM	--	--	--	--	--	--	--	--	--	--	--
MW18	10.80	Shallow	NM	--	--	NM	NM	NM	NM	NM	NM	NM	NM	NM	--	--	--	--	--	--	--	--	--	--	--
MW19	11.85	Shallow	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW20	10.64	Shallow	--	--	--	--	--	--	--	--	--	--	--	NM	--	--	--	--	--	--	--	--	--	--	--
MW21	7.13	Deep	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
MW22	InD	Deep	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW23	11.07	Shallow	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW24	12.17	Shallow	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
PW1	10.08	Shallow	--	--	--	--	--	--	--	--	--	--	--	NM	--	--	--	--	Trace	--	--	--	--	--	--
PW2	12.14	Shallow	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW1/45	11.43	Shallow	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW4/45	InD	Shallow	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL

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TABLE A-2 (page 3 of 5)
Depth to Product Data Over Time
Building 45 Site

Location	Top of Casing Elevatiion [1]	Screen Zone	10/11/2000	11/13/2000	11/20/2000	12/5/2000	12/21/2000	12/21/2000	1/18/2001	1/18/2001	1/31/2001	2/20/2001	3/1/2001	3/1/2001	3/20/2001	4/16/2001	4/26/2001	4/26/2001	5/9/2001	5/9/2001	5/30/2001	5/30/2001	6/14/2001	6/14/2001	6/20/2001
MW2	10.84	Shallow	5.71	5.98	6.19	4.39	4.92	--	5.67	--	6.22	5.57	--	--	5.23	5.72	5.85	--	6.60	--	7.24	--	6.80	--	6.30
MW3	11.02	Shallow	6.35	--	--	4.40	5.30	--	5.85	--	--	5.92	5.92	--	5.68	6.40	--	--	7.25	--	7.83	--	--	--	--
MW4	14.83	Shallow	--	--	--	--	--	--	--	--	--	--	--	--	--	--	NM	NM	NM	NM	--	--	--	--	--
MW5	9.73	Shallow	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW6	10.71	Deep	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
MW7	10.00	Shallow	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW8	10.73	Shallow	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW9	10.27	Deep	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
MW10	11.49	Shallow	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	NM	--	--	--	--	--	--	--
MW12	InD	Shallow	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
MW13	8.32	Shallow	--	--	--	NM	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	NM	NM	--
MW14	7.32	Shallow	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
MW15	8.26	Shallow	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW16	8.77	Shallow	--	--	--	NM	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW17	8.95	Shallow	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW18	10.80	Shallow	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW19	11.85	Shallow	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW20	10.64	Shallow	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW21	7.13	Deep	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
MW22	InD	Deep	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW23	11.07	Shallow	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW24	12.17	Shallow	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
PW1	10.08	Shallow	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PW2	12.14	Shallow	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW1/45	11.43	Shallow	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW4/45	InD	Shallow	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL

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TABLE A-2 (page 4 of 5)
Depth to Product Data Over Time
Building 45 Site

Location	Top of Casing Elevation [1]	Screen Zone	6/26/2001	6/26/2001	7/17/2001	8/9/2001	8/16/2001	8/16/2001	8/29/2001	8/29/2001	9/10/2001	10/3/2001	10/3/2001	10/16/2001	10/30/2001	10/30/2001	11/5/2001	11/27/2001	11/27/2001	12/3/2001	12/13/2001	12/13/2001	1/16/2002	2/19/2002	3/21/2002
MW2	10.84	Shallow	6.80	--	7.03	7.88	7.88	--	8.25	--	7.02	8.25	8.25	8.88	8.90	8.25	Trace	Trace	--	--	--	--	--	--	--
MW3	11.02	Shallow	--	--	--	8.40	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW4	14.83	Shallow	--	--	--	--	NM	NM	NM	NM	--	--	--	--	--	--	--	--	--	--	NM	NM	--	--	--
MW5	9.73	Shallow	--	--	--	--	--	--	NM	--	--	--	--	--	--	--	--	--	--	--	NM	NM	--	--	--
MW6	10.71	Deep	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
MW7	10.00	Shallow	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW8	10.73	Shallow	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	NM	NM	--	--	--
MW9	10.27	Deep	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
MW10	11.49	Shallow	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW12	InD	Shallow	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
MW13	8.32	Shallow	NM	NM	--	--	NM	NM	NM	NM	--	NM	NM	--	NM	NM	--	--	--	--	NM	NM	--	--	--
MW14	7.32	Shallow	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
MW15	8.26	Shallow	--	--	--	--	NM	NM	--	--	--	NM	NM	--	NM	NM	--	--	--	--	NM	NM	--	--	--
MW16	8.77	Shallow	--	--	--	--	NM	NM	--	--	--	NM	NM	--	NM	NM	--	--	--	--	NM	NM	--	--	--
MW17	8.95	Shallow	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW18	10.80	Shallow	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW19	11.85	Shallow	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW20	10.64	Shallow	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW21	7.13	Deep	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
MW22	InD	Deep	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW23	11.07	Shallow	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW24	12.17	Shallow	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
PW1	10.08	Shallow	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PW2	12.14	Shallow	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW1/45	11.43	Shallow	--	--	--	--	NM	NM	--	--	--	NM	NM	--	NM	NM	--	--	--	--	NM	NM	--	--	--
MW4/45	InD	Shallow	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL

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TABLE A-2 (page 5 of 5)
Depth to Product Data Over Time
Building 45 Site

Location	Top of Casing Elevation [1]	Screen Zone	4/17/2002	5/15/2002	7/17/2002	9/29/2003	12/23/2003	1/15/2004	2/9/2004	3/8/2004	4/6/2004	5/3/2004	6/11/2004	7/14/2004	8/14/2004	9/13/2004	10/5/2004	12/20/2004	1/6/2005	2/1/2005	3/3/2005	4/22/2005	5/26/2005	6/14/2005	7/27/2005	8/4/2005
MW2	10.84	Shallow	--	--	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD
MW3	11.02	Shallow	--	--	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD
MW4	14.83	Shallow	--	--	--	NM	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW5	9.73	Shallow	--	--	--	NM	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW6	10.71	Deep	NL	NL	NL	NM	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW7	10.00	Shallow	--	--	--	NM	--	--	--	--	--	INA	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW8	10.73	Shallow	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW9	10.27	Deep	NL	NL	NL	--	--	--	--	--	--	INA	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW10	11.49	Shallow	--	--	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD
MW12	InD	Shallow	NL	NL	NL	NM	NM	NM	NM	NM	--	INA	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--
MW13	8.32	Shallow	--	--	--	--	--	--	--	--	--	INA	INA	NM	INA	--	--	--	--	--	--	--	--	--	--	--
MW14	7.32	Shallow	NL	NL	NL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW15	8.26	Shallow	--	--	--	--	--	--	--	--	--	INA	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW16	8.77	Shallow	--	--	--	--	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD
MW17	8.95	Shallow	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW18	10.80	Shallow	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW19	11.85	Shallow	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW20	10.64	Shallow	--	--	--	--	--	--	--	--	--	INA	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW21	7.13	Deep	NL	NL	NL	NM	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW22	InD	Deep	NM	--	NM	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF
MW23	11.07	Shallow	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	--	--	--	--	--	--
MW24	12.17	Shallow	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	--	--	--	--	--	--
PW1	10.08	Shallow	--	--	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD
PW2	12.14	Shallow	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	--	--	--	--	--	--
MW1/45	11.43	Shallow	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW4/45	InD	Shallow	NL	NL	NL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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"--": indicates no measurable product detected

ABD: Abandoned; well abandonded at time of measurement
INA: Inaccessible; well inaccessible at time of measurement (under water, surrounded by water, or covered by soil)
NC: Insufficient data to calcuate groundwater elevation or product thickness
NF: Not Found; well could not be found

NI: Not Installed; well not installed at the time of measurement
NL: Not Listed; well not listed in source document
NM: Not Measured; well not measured, reason not stated

APPENDIX B

LABORATORY REPORTS AND CHAIN OF CUSTODY DOCUMENTATION FROM 2006-2007 SAMPLING EVENTS

SGS

Mr. Chris Murray
Sovereign Consulting
405 Oakmears Crescent
Suite 1
Virginia Beach VA 23462
Report Number: G650-71

Client Project: NV015

Dear Mr. Murray:

Enclosed are the results of the analytical services performed under the referenced project. The samples are certified to meet the requirements of the National Environmental Laboratory Accreditation Conference Standards. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or the services performed during this project, please call SGS/Paradigm at (910) 350-1903. We will be happy to answer any questions or concerns which you may have.

Thank you for using SGS/Paradigm Analytical Labs for your analytical services. We look forward to working with you again on any additional analytical needs which you may have.

Sincerely,
SGS/Paradigm Analytical Laboratories, Inc.

8/30/2006

Laboratory Director Date
J. Patrick Weaver

SGS

Results for Volatiles
by GC 602

Client Sample ID: UST45/S941-MW02R
Client Project ID: NV015
Lab Sample ID: G650-71-1A
Lab Project ID: G650-71

Analyzed By: CLP
Date Collected: 8/8/2006 10:40
Date Received: 8/9/2006
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	8/14/2006
Diisopropyl ether (DIPE)	BQL	1.00	1	8/14/2006
Ethylbenzene	BQL	1.00	1	8/14/2006
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	8/14/2006
Toluene	BQL	1.00	1	8/14/2006
m/p-Xylene	BQL	2.00	1	8/14/2006
o-Xylene	BQL	2.00	1	8/14/2006

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	41.8	104

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By:

SGS

Results for Volatiles
by GC 602

Client Sample ID: UST45/S941-MW03R
Client Project ID: NV015
Lab Sample ID: G650-71-2A
Lab Project ID: G650-71

Analyzed By: CLP
Date Collected: 8/8/2006 9:53
Date Received: 8/9/2006
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	8/14/2006
Diisopropyl ether (DIPE)	BQL	1.00	1	8/14/2006
Ethylbenzene	BQL	1.00	1	8/14/2006
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	8/14/2006
Toluene	BQL	1.00	1	8/14/2006
m/p-Xylene	BQL	2.00	1	8/14/2006
o-Xylene	BQL	2.00	1	8/14/2006

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	41.7	104

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By:

SGS

Results for Volatiles

by GC 602

Client Sample ID: UST45/S941-PW01R
Client Project ID: NV015
Lab Sample ID: G650-71-3A
Lab Project ID: G650-71

Analyzed By: CLP
Date Collected: 8/8/2006 10:10
Date Received: 8/9/2006
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	8/14/2006
Diisopropyl ether (DIPE)	BQL	1.00	1	8/14/2006
Ethylbenzene	BQL	1.00	1	8/14/2006
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	8/14/2006
Toluene	BQL	1.00	1	8/14/2006
m/p-Xylene	BQL	2.00	1	8/14/2006
o-Xylene	BQL	2.00	1	8/14/2006

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	42.0	105

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By:

SGS

Results for Volatiles

by GC 602

Client Sample ID: UST45/S941-MW05
Client Project ID: NV015
Lab Sample ID: G650-71-4A
Lab Project ID: G650-71

Analyzed By: CLP
Date Collected: 8/7/2006 12:45
Date Received: 8/9/2006
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	8/14/2006
Diisopropyl ether (DIPE)	BQL	1.00	1	8/14/2006
Ethylbenzene	BQL	1.00	1	8/14/2006
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	8/14/2006
Toluene	BQL	1.00	1	8/14/2006
m/p-Xylene	BQL	2.00	1	8/14/2006
o-Xylene	BQL	2.00	1	8/14/2006

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	41.4	104

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: _____

SGS

Results for Volatiles

by GC 602

Client Sample ID: UST45/S941-MW07
Client Project ID: NV015
Lab Sample ID: G650-71-5A
Lab Project ID: G650-71

Analyzed By: CLP
Date Collected: 8/7/2006 15:45
Date Received: 8/9/2006
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	8/15/2006
Diisopropyl ether (DIPE)	BQL	1.00	1	8/15/2006
Ethylbenzene	BQL	1.00	1	8/15/2006
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	8/15/2006
Toluene	BQL	1.00	1	8/15/2006
m/p-Xylene	BQL	2.00	1	8/15/2006
o-Xylene	BQL	2.00	1	8/15/2006

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	41.7	104

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: _____

SGS

Results for Volatiles
by GC 602

Client Sample ID: UST45/S941-MW08
Client Project ID: NV015
Lab Sample ID: G650-71-6A
Lab Project ID: G650-71

Analyzed By: CLP
Date Collected: 8/7/2006 15:20
Date Received: 8/9/2006
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	8/15/2006
Diisopropyl ether (DIPE)	BQL	1.00	1	8/15/2006
Ethylbenzene	BQL	1.00	1	8/15/2006
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	8/15/2006
Toluene	BQL	1.00	1	8/15/2006
m/p-Xylene	BQL	2.00	1	8/15/2006
o-Xylene	BQL	2.00	1	8/15/2006

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	41.3	103

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By:

SGS

Results for Volatiles
by GC 602

Client Sample ID: UST45/S941-MW12
Client Project ID: NV015
Lab Sample ID: G650-71-7A
Lab Project ID: G650-71

Analyzed By: CLP
Date Collected: 8/8/2006 12:15
Date Received: 8/9/2006
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	8/15/2006
Diisopropyl ether (DIPE)	BQL	1.00	1	8/15/2006
Ethylbenzene	BQL	1.00	1	8/15/2006
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	8/15/2006
Toluene	BQL	1.00	1	8/15/2006
m/p-Xylene	BQL	2.00	1	8/15/2006
o-Xylene	BQL	2.00	1	8/15/2006

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	41.3	103

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By:

SGS

Results for Volatiles

by GC 602

Client Sample ID: UST45/S941-MW13
Client Project ID: NV015
Lab Sample ID: G650-71-8A
Lab Project ID: G650-71

Analyzed By: CLP
Date Collected: 8/8/2006 13:10
Date Received: 8/9/2006
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	8/15/2006
Diisopropyl ether (DIPE)	BQL	1.00	1	8/15/2006
Ethylbenzene	BQL	1.00	1	8/15/2006
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	8/15/2006
Toluene	BQL	1.00	1	8/15/2006
m/p-Xylene	BQL	2.00	1	8/15/2006
o-Xylene	BQL	2.00	1	8/15/2006

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	41.5	104

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By:

SGS

Results for Volatiles

by GC 602

Client Sample ID: UST45/S941-MW15
Client Project ID: NV015
Lab Sample ID: G650-71-9A
Lab Project ID: G650-71

Analyzed By: CLP
Date Collected: 8/8/2006 14:05
Date Received: 8/9/2006
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	8/15/2006
Diisopropyl ether (DIPE)	BQL	1.00	1	8/15/2006
Ethylbenzene	BQL	1.00	1	8/15/2006
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	8/15/2006
Toluene	BQL	1.00	1	8/15/2006
m/p-Xylene	BQL	2.00	1	8/15/2006
o-Xylene	BQL	2.00	1	8/15/2006

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	41.6	104

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By:

SGS

Results for Volatiles
by GC 602

Client Sample ID: UST45/S941-MW17
Client Project ID: NV015
Lab Sample ID: G650-71-10A
Lab Project ID: G650-71

Analyzed By: CLP
Date Collected: 8/7/2006 13:15
Date Received: 8/9/2006
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	8/15/2006
Diisopropyl ether (DIPE)	BQL	1.00	1	8/15/2006
Ethylbenzene	BQL	1.00	1	8/15/2006
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	8/15/2006
Toluene	BQL	1.00	1	8/15/2006
m/p-Xylene	BQL	2.00	1	8/15/2006
o-Xylene	BQL	2.00	1	8/15/2006

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	41.6	104

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By:

SGS

Results for Volatiles

by GC 602

Client Sample ID: UST45/S941-MW18
Client Project ID: NV015
Lab Sample ID: G650-71-11A
Lab Project ID: G650-71

Analyzed By: CLP
Date Collected: 8/8/2006 11:55
Date Received: 8/9/2006
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	8/15/2006
Diisopropyl ether (DIPE)	BQL	1.00	1	8/15/2006
Ethylbenzene	BQL	1.00	1	8/15/2006
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	8/15/2006
Toluene	BQL	1.00	1	8/15/2006
m/p-Xylene	BQL	2.00	1	8/15/2006
o-Xylene	BQL	2.00	1	8/15/2006

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	41.8	104

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By:

SGS

Results for Volatiles

by GC 602

Client Sample ID: UST45/S941-MW19
Client Project ID: NV015
Lab Sample ID: G650-71-12A
Lab Project ID: G650-71

Analyzed By: CLP
Date Collected: 8/7/2006 15:58
Date Received: 8/9/2006
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	8/15/2006
Diisopropyl ether (DIPE)	BQL	1.00	1	8/15/2006
Ethylbenzene	BQL	1.00	1	8/15/2006
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	8/15/2006
Toluene	BQL	1.00	1	8/15/2006
m/p-Xylene	BQL	2.00	1	8/15/2006
o-Xylene	BQL	2.00	1	8/15/2006

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	41.6	104

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: _____

SGS

Results for Volatiles

by GC 602

Client Sample ID: UST45/S941-MW20
Client Project ID: NV015
Lab Sample ID: G650-71-13A
Lab Project ID: G650-71

Analyzed By: CLP
Date Collected: 8/7/2006 16:24
Date Received: 8/9/2006
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	8/15/2006
Diisopropyl ether (DIPE)	BQL	1.00	1	8/15/2006
Ethylbenzene	BQL	1.00	1	8/15/2006
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	8/15/2006
Toluene	BQL	1.00	1	8/15/2006
m/p-Xylene	BQL	2.00	1	8/15/2006
o-Xylene	BQL	2.00	1	8/15/2006

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	41.6	104

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By:

SGS

Results for Volatiles
by GC 602

Client Sample ID: TRIP BLANK
Client Project ID: NV015
Lab Sample ID: G650-71-14A
Lab Project ID: G650-71

Analyzed By: CLP
Date Collected: 8/8/2006 0:00
Date Received: 8/9/2006
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	8/18/2006
Diisopropyl ether (DIPE)	BQL	1.00	1	8/18/2006
Ethylbenzene	BQL	1.00	1	8/18/2006
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	8/18/2006
Toluene	BQL	1.00	1	8/18/2006
m/p-Xylene	BQL	2.00	1	8/18/2006
o-Xylene	BQL	2.00	1	8/18/2006

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	39.1	97.7

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By:

SGS

Results for Metals

Client Sample ID:	UST45/S941-MW02R	Analyzed By:	PSW
Client Project ID:	NV015	Date Collected:	8/8/06 10:40
Lab Sample ID:	G650-71-1	Date Received:	8/9/06
Lab Project ID:	G650-71	Matrix:	WATER
Batch ID:	5928		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Lead	BQL	0.00500	25	MG/L	6020	8/17/06

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL
Samples Prepared by 3030C

Reviewed By:

MET_LIMS_4.1

SGS

Results for Metals

Client Sample ID:	UST45/S941-MW03R	Analyzed By:	PSW
Client Project ID:	NV015	Date Collected:	8/8/06 9:53
Lab Sample ID:	G650-71-2	Date Received:	8/9/06
Lab Project ID:	G650-71	Matrix:	WATER
Batch ID:	5928		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Lead	BQL	0.00500	25	MG/L	6020	8/17/06

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL
Samples Prepared by 3030C

Reviewed By:
MET_LIMS_4.1

SGS

Results for Metals

Client Sample ID:	UST45/S941-PW01R	Analyzed By:	PSW
Client Project ID:	NV015	Date Collected:	8/8/06 10:10
Lab Sample ID:	G650-71-3	Date Received:	8/9/06
Lab Project ID:	G650-71	Matrix:	WATER
Batch ID:	5928		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Lead	BQL	0.00500	25	MG/L	6020	8/17/06

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL
Samples Prepared by 3030C

Reviewed By:

MET_LIMS_4.1

SGS

Results for Metals

Client Sample ID:	UST45/S941-MW05	Analyzed By:	PSW
Client Project ID:	NV015	Date Collected:	8/7/06 12:45
Lab Sample ID:	G650-71-4	Date Received:	8/9/06
Lab Project ID:	G650-71	Matrix:	WATER
Batch ID:	5928		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Lead	BQL	0.00500	25	MG/L	6020	8/17/06

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL
Samples Prepared by 3030C

Reviewed By:
MET_LIMS_4.1

SGS

Results for Metals

Client Sample ID:	UST45/S941-MW07	Analyzed By:	PSW
Client Project ID:	NV015	Date Collected:	8/7/06 15:45
Lab Sample ID:	G650-71-5	Date Received:	8/9/06
Lab Project ID:	G650-71	Matrix:	WATER
Batch ID:	5928		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Lead	BQL	0.00500	25	MG/L	6020	8/17/06

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL
Samples Prepared by 3030C

Reviewed By:
MET_LIMS_4.1

SGS

Results for Metals

Client Sample ID:	UST45/S941-MW08	Analyzed By:	PSW
Client Project ID:	NV015	Date Collected:	8/7/06 15:20
Lab Sample ID:	G650-71-6	Date Received:	8/9/06
Lab Project ID:	G650-71	Matrix:	WATER
Batch ID:	5928		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Lead	BQL	0.00500	25	MG/L	6020	8/17/06

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL
Samples Prepared by 3030C

Reviewed By:

MET_LIMS_4.1

SGS

Results for Metals

Client Sample ID:	UST45/S941-MW12	Analyzed By:	PSW
Client Project ID:	NV015	Date Collected:	8/8/06 12:15
Lab Sample ID:	G650-71-7	Date Received:	8/9/06
Lab Project ID:	G650-71	Matrix:	WATER
Batch ID:	5928		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Lead	BQL	0.00500	25	MG/L	6020	8/17/06

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL
Samples Prepared by 3030C

Reviewed By: _____
MET_LIMS_4.1

SGS

Results for Metals

Client Sample ID:	UST45/S941-MW13	Analyzed By:	PSW
Client Project ID:	NV015	Date Collected:	8/8/06 13:10
Lab Sample ID:	G650-71-8	Date Received:	8/9/06
Lab Project ID:	G650-71	Matrix:	WATER
Batch ID:	5928		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Lead	BQL	0.00500	25	MG/L	6020	8/17/06

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL
Samples Prepared by 3030C

Reviewed By: _____
MET_LIMS_4.1

SGS

Results for Metals

Client Sample ID:	UST45/S941-MW15	Analyzed By:	PSW
Client Project ID:	NV015	Date Collected:	8/8/06 14:05
Lab Sample ID:	G650-71-9	Date Received:	8/9/06
Lab Project ID:	G650-71	Matrix:	WATER
Batch ID:	5928		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Lead	BQL	0.00500	25	MG/L	6020	8/17/06

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL
Samples Prepared by 3030C

Reviewed By:
MET_LIMS_4.1

SGS

Results for Metals

Client Sample ID:	UST45/S941-MW17	Analyzed By:	PSW
Client Project ID:	NV015	Date Collected:	8/7/06 13:15
Lab Sample ID:	G650-71-10	Date Received:	8/9/06
Lab Project ID:	G650-71	Matrix:	WATER
Batch ID:	5928		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Lead	BQL	0.00500	25	MG/L	6020	8/17/06

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL
Samples Prepared by 3030C

Reviewed By:
MET_LIMS_4.1

SGS

Results for Metals

Client Sample ID:	UST45/S941-MW18	Analyzed By:	PSW
Client Project ID:	NV015	Date Collected:	8/8/06 11:55
Lab Sample ID:	G650-71-11	Date Received:	8/9/06
Lab Project ID:	G650-71	Matrix:	WATER
Batch ID:	5928		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Lead	BQL	0.00500	25	MG/L	6020	8/17/06

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL
Samples Prepared by 3030C

Reviewed By:
MET_LIMS_4.1

SGS

Results for Metals

Client Sample ID:	UST45/S941-MW19	Analyzed By:	PSW
Client Project ID:	NV015	Date Collected:	8/7/06 15:58
Lab Sample ID:	G650-71-12	Date Received:	8/9/06
Lab Project ID:	G650-71	Matrix:	WATER
Batch ID:	5928		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Lead	BQL	0.00500	25	MG/L	6020	8/17/06

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL
Samples Prepared by 3030C

Reviewed By: _____
MET_LIMS_4.1

SGS

Results for Metals

Client Sample ID:	UST45/S941-MW20	Analyzed By:	PSW
Client Project ID:	NV015	Date Collected:	8/7/06 16:24
Lab Sample ID:	G650-71-13	Date Received:	8/9/06
Lab Project ID:	G650-71	Matrix:	WATER
Batch ID:	5928		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Lead	BQL	0.00500	25	MG/L	6020	8/17/06

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL
Samples Prepared by 3030C

Reviewed By:
MET_LIMS_4.1

SGS

Results for Semivolatiles by GCMS 625

Client Sample ID: UST45/S941-MW02R
Client Project ID: NV015
Lab Sample ID: G650-71-1I
Lab Project ID: G650-71

Analyzed By: EAW
Date Collected: 8/8/2006 10:40
Date Received: 8/9/2006
Date Extracted: 8/15/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Acenaphthene	BQL	10.0	1	8/21/2006
Acenaphthylene	BQL	10.0	1	8/21/2006
Anthracene	BQL	10.0	1	8/21/2006
Benzo[a]anthracene	BQL	10.0	1	8/21/2006
Benzo[a]pyrene	BQL	10.0	1	8/21/2006
Benzo[b]fluoranthene	BQL	10.0	1	8/21/2006
Benzo[g,h,i]perylene	BQL	10.0	1	8/21/2006
Benzo[k]fluoranthene	BQL	10.0	1	8/21/2006
Bis(2-chloroethoxy)methane	BQL	10.0	1	8/21/2006
Bis(2-chloroethyl)ether	BQL	10.0	1	8/21/2006
Bis(2-chloroisopropyl)ether	BQL	10.0	1	8/21/2006
Bis(2-ethylhexyl)phthalate	BQL	10.0	1	8/21/2006
4-bromophenyl phenyl ether	BQL	10.0	1	8/21/2006
Butylbenzylphthalate	BQL	10.0	1	8/21/2006
2-Chloronaphthalene	BQL	10.0	1	8/21/2006
2-Chlorophenol	BQL	10.0	1	8/21/2006
4-Chloro-3-methylphenol	BQL	10.0	1	8/21/2006
4-Chlorophenyl phenyl ether	BQL	10.0	1	8/21/2006
Chrysene	BQL	10.0	1	8/21/2006
Dibenzo[a,h]anthracene	BQL	10.0	1	8/21/2006
Di-n-Butylphthalate	BQL	10.0	1	8/21/2006
1,2-Dichlorobenzene	BQL	10.0	1	8/21/2006
1,3-Dichlorobenzene	BQL	10.0	1	8/21/2006
1,4-Dichlorobenzene	BQL	10.0	1	8/21/2006
3,3'-Dichlorobenzidine	BQL	20.0	1	8/21/2006
2,4-Dichlorophenol	BQL	10.0	1	8/21/2006
Diethylphthalate	BQL	10.0	1	8/21/2006
Dimethylphthalate	BQL	10.0	1	8/21/2006
2,4-Dimethylphenol	BQL	10.0	1	8/21/2006
Di-n-octylphthalate	BQL	10.0	1	8/21/2006
4,6-Dinitro-2-methylphenol	BQL	50.0	1	8/21/2006
2,4-Dinitrophenol	BQL	50.0	1	8/21/2006
2,4-Dinitrotoluene	BQL	10.0	1	8/21/2006
2,6-Dinitrotoluene	BQL	10.0	1	8/21/2006
Diphenylamine *	BQL	10.0	1	8/21/2006
Fluoranthene	BQL	10.0	1	8/21/2006
Fluorene	BQL	10.0	1	8/21/2006
Hexachlorobenzene	BQL	10.0	1	8/21/2006
Hexachlorobutadiene	BQL	10.0	1	8/21/2006
Hexachlorocyclopentadiene	BQL	20.0	1	8/21/2006
Hexachloroethane	BQL	10.0	1	8/21/2006
Indeno(1,2,3-c,d)pyrene	BQL	10.0	1	8/21/2006
Isophorone	BQL	10.0	1	8/21/2006
Naphthalene	BQL	10.0	1	8/21/2006

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SGS

Results for Semivolatiles
by GCMS 625

Client Sample ID: UST45/S941-MW02R
Client Project ID: NV015
Lab Sample ID: G650-71-1I
Lab Project ID: G650-71

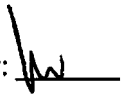
Analyzed By: EAW
Date Collected: 8/8/2006 10:40
Date Received: 8/9/2006
Date Extracted: 8/15/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Nitrobenzene	BQL	10.0	1	8/21/2006
2-Nitrophenol	BQL	10.0	1	8/21/2006
4-Nitrophenol	BQL	50.0	1	8/21/2006
N-Nitrosodi-n-propylamine	BQL	10.0	1	8/21/2006
Pentachlorophenol	BQL	50.0	1	8/21/2006
Phenanthrene	BQL	10.0	1	8/21/2006
Phenol	BQL	10.0	1	8/21/2006
Pyrene	BQL	10.0	1	8/21/2006
1,2,4-Trichlorobenzene	BQL	10.0	1	8/21/2006
2,4,6-Trichlorophenol	BQL	10.0	1	8/21/2006

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7	70
2-Fluorophenol	10	7	70
Nitrobenzene-d5	10	6.9	69
Phenol-d6	10	6.6	66
2,4,6-Tribromophenol	10	7	70
4-Terphenyl-d14	10	10.9	109

Comments:
* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:
BQL = Below Quantitation Limits.

Reviewed By: 

SGS

Results of Library Search for Semivolatile Compounds

by GCMS

Client Sample ID: UST45/S941-MW02R
Client Project ID: NV015
Lab Sample ID: G650-71-1I
Lab Project ID: G650-71
Sample Wt/Vol: 500 ML
Dilution: 1

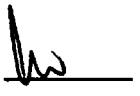
Analyzed By: MRC
Date Collected: 8/8/2006 10:40
Date Received: 8/9/2006
Date Extracted: 8/15/2006
Date Analyzed: 8/21/2006
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Unknown	5.04			20.8
2	Unknown	4.62			5.28
3					
4					
5					
6					
7					
8					
9					
10					

Comment:

Tentatively Identified Compound (TIC) refers to substances which are not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist.

Quantitation is accomplished by relative peak area of the compound compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is equal to or greater than 10% of that of the nearest internal standard. Quantitation provided is an estimate.

Reviewed by: 

SGS

Results for Semivolatiles
by GCMS 625

Client Sample ID: UST45/S941-MW03R
Client Project ID: NV015
Lab Sample ID: G650-71-2G
Lab Project ID: G650-71

Analyzed By: EAW
Date Collected: 8/8/2006 9:53
Date Received: 8/9/2006
Date Extracted: 8/14/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Acenaphthene	BQL	10.0	1	8/21/2006
Acenaphthylene	BQL	10.0	1	8/21/2006
Anthracene	BQL	10.0	1	8/21/2006
Benzo[a]anthracene	BQL	10.0	1	8/21/2006
Benzo[a]pyrene	BQL	10.0	1	8/21/2006
Benzo[b]fluoranthene	BQL	10.0	1	8/21/2006
Benzo[g,h,i]perylene	BQL	10.0	1	8/21/2006
Benzo[k]fluoranthene	BQL	10.0	1	8/21/2006
Bis(2-chloroethoxy)methane	BQL	10.0	1	8/21/2006
Bis(2-chloroethyl)ether	BQL	10.0	1	8/21/2006
Bis(2-chloroisopropyl)ether	BQL	10.0	1	8/21/2006
Bis(2-ethylhexyl)phthalate	BQL	10.0	1	8/21/2006
4-bromophenyl phenyl ether	BQL	10.0	1	8/21/2006
Butylbenzylphthalate	BQL	10.0	1	8/21/2006
2-Chloronaphthalene	BQL	10.0	1	8/21/2006
2-Chlorophenol	BQL	10.0	1	8/21/2006
4-Chloro-3-methylphenol	BQL	10.0	1	8/21/2006
4-Chlorophenyl phenyl ether	BQL	10.0	1	8/21/2006
Chrysene	BQL	10.0	1	8/21/2006
Dibenzo[a,h]anthracene	BQL	10.0	1	8/21/2006
Di-n-Butylphthalate	BQL	10.0	1	8/21/2006
1,2-Dichlorobenzene	BQL	10.0	1	8/21/2006
1,3-Dichlorobenzene	BQL	10.0	1	8/21/2006
1,4-Dichlorobenzene	BQL	10.0	1	8/21/2006
3,3'-Dichlorobenzidine	BQL	20.0	1	8/21/2006
2,4-Dichlorophenol	BQL	10.0	1	8/21/2006
Diethylphthalate	BQL	10.0	1	8/21/2006
Dimethylphthalate	BQL	10.0	1	8/21/2006
2,4-Dimethylphenol	BQL	10.0	1	8/21/2006
Di-n-octylphthalate	BQL	10.0	1	8/21/2006
4,6-Dinitro-2-methylphenol	BQL	50.0	1	8/21/2006
2,4-Dinitrophenol	BQL	50.0	1	8/21/2006
2,4-Dinitrotoluene	BQL	10.0	1	8/21/2006
2,6-Dinitrotoluene	BQL	10.0	1	8/21/2006
Diphenylamine *	BQL	10.0	1	8/21/2006
Fluoranthene	BQL	10.0	1	8/21/2006
Fluorene	BQL	10.0	1	8/21/2006
Hexachlorobenzene	BQL	10.0	1	8/21/2006
Hexachlorobutadiene	BQL	10.0	1	8/21/2006
Hexachlorocyclopentadiene	BQL	20.0	1	8/21/2006
Hexachloroethane	BQL	10.0	1	8/21/2006
Indeno(1,2,3-c,d)pyrene	BQL	10.0	1	8/21/2006
Isophorone	BQL	10.0	1	8/21/2006
Naphthalene	BQL	10.0	1	8/21/2006

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Results for Semivolatiles
by GCMS 625

Client Sample ID: UST45/S941-MW03R
Client Project ID: NV015
Lab Sample ID: G650-71-2G
Lab Project ID: G650-71

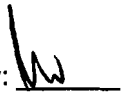
Analyzed By: EAW
Date Collected: 8/8/2006 9:53
Date Received: 8/9/2006
Date Extracted: 8/14/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Nitrobenzene	BQL	10.0	1	8/21/2006
2-Nitrophenol	BQL	10.0	1	8/21/2006
4-Nitrophenol	BQL	50.0	1	8/21/2006
N-Nitrosodi-n-propylamine	BQL	10.0	1	8/21/2006
Pentachlorophenol	BQL	50.0	1	8/21/2006
Phenanthrene	BQL	10.0	1	8/21/2006
Phenol	BQL	10.0	1	8/21/2006
Pyrene	BQL	10.0	1	8/21/2006
1,2,4-Trichlorobenzene	BQL	10.0	1	8/21/2006
2,4,6-Trichlorophenol	BQL	10.0	1	8/21/2006

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	6.9	69
2-Fluorophenol	10	6.6	66
Nitrobenzene-d5	10	6.2	62
Phenol-d6	10	6.1	61
2,4,6-Tribromophenol	10	7.7	77
4-Terphenyl-d14	10	11	110

Comments:
* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:
BQL = Below Quantitation Limits.

Reviewed By: 

SGS

Results of Library Search for Semivolatile Compounds

by GCMS

Client Sample ID: UST45/S941-MW03R
Client Project ID: NV015
Lab Sample ID: G650-71-2G
Lab Project ID: G650-71
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: MRC
Date Collected: 8/8/2006 9:53
Date Received: 8/9/2006
Date Extracted: 8/14/2006
Date Analyzed: 8/21/2006
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Unknown	5.04			21.2
2	Unknown	4.75			13.3
3	Unknown	4.62			6.92
4					
5					
6					
7					
8					
9					
10					

Comment:

Tentatively Identified Compound (TIC) refers to substances which are not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist.

Quantitation is accomplished by relative peak area of the compound compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is equal to or greater than 10% of that of the nearest internal standard. Quantitation provided is an estimate.

Reviewed by:

SGS

Results for Semivolatiles by GCMS 625

Client Sample ID: UST45/S941-PW01R
Client Project ID: NV015
Lab Sample ID: G650-71-3G
Lab Project ID: G650-71

Analyzed By: EAW
Date Collected: 8/8/2006 10:10
Date Received: 8/9/2006
Date Extracted: 8/14/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Acenaphthene	BQL	10.0	1	8/21/2006
Acenaphthylene	BQL	10.0	1	8/21/2006
Anthracene	BQL	10.0	1	8/21/2006
Benzo[a]anthracene	BQL	10.0	1	8/21/2006
Benzo[a]pyrene	BQL	10.0	1	8/21/2006
Benzo[b]fluoranthene	BQL	10.0	1	8/21/2006
Benzo[g,h,i]perylene	BQL	10.0	1	8/21/2006
Benzo[k]fluoranthene	BQL	10.0	1	8/21/2006
Bis(2-chloroethoxy)methane	BQL	10.0	1	8/21/2006
Bis(2-chloroethyl)ether	BQL	10.0	1	8/21/2006
Bis(2-chloroisopropyl)ether	BQL	10.0	1	8/21/2006
Bis(2-ethylhexyl)phthalate	BQL	10.0	1	8/21/2006
4-bromophenyl phenyl ether	BQL	10.0	1	8/21/2006
Butylbenzylphthalate	BQL	10.0	1	8/21/2006
2-Chloronaphthalene	BQL	10.0	1	8/21/2006
2-Chlorophenol	BQL	10.0	1	8/21/2006
4-Chloro-3-methylphenol	BQL	10.0	1	8/21/2006
4-Chlorophenyl phenyl ether	BQL	10.0	1	8/21/2006
Chrysene	BQL	10.0	1	8/21/2006
Dibenzo[a,h]anthracene	BQL	10.0	1	8/21/2006
Di-n-Butylphthalate	BQL	10.0	1	8/21/2006
1,2-Dichlorobenzene	BQL	10.0	1	8/21/2006
1,3-Dichlorobenzene	BQL	10.0	1	8/21/2006
1,4-Dichlorobenzene	BQL	10.0	1	8/21/2006
3,3'-Dichlorobenzidine	BQL	20.0	1	8/21/2006
2,4-Dichlorophenol	BQL	10.0	1	8/21/2006
Diethylphthalate	BQL	10.0	1	8/21/2006
Dimethylphthalate	BQL	10.0	1	8/21/2006
2,4-Dimethylphenol	BQL	10.0	1	8/21/2006
Di-n-octylphthalate	BQL	10.0	1	8/21/2006
4,6-Dinitro-2-methylphenol	BQL	50.0	1	8/21/2006
2,4-Dinitrophenol	BQL	50.0	1	8/21/2006
2,4-Dinitrotoluene	BQL	10.0	1	8/21/2006
2,6-Dinitrotoluene	BQL	10.0	1	8/21/2006
Diphenylamine *	BQL	10.0	1	8/21/2006
Fluoranthene	BQL	10.0	1	8/21/2006
Fluorene	BQL	10.0	1	8/21/2006
Hexachlorobenzene	BQL	10.0	1	8/21/2006
Hexachlorobutadiene	BQL	10.0	1	8/21/2006
Hexachlorocyclopentadiene	BQL	20.0	1	8/21/2006
Hexachloroethane	BQL	10.0	1	8/21/2006
Indeno(1,2,3-c,d)pyrene	BQL	10.0	1	8/21/2006
Isophorone	BQL	10.0	1	8/21/2006
Naphthalene	BQL	10.0	1	8/21/2006

SGS

Results for Semivolatiles
by GCMS 625

Client Sample ID: UST45/S941-PW01R
Client Project ID: NV015
Lab Sample ID: G650-71-3G
Lab Project ID: G650-71

Analyzed By: EAW
Date Collected: 8/8/2006 10:10
Date Received: 8/9/2006
Date Extracted: 8/14/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Nitrobenzene	BQL	10.0	1	8/21/2006
2-Nitrophenol	BQL	10.0	1	8/21/2006
4-Nitrophenol	BQL	50.0	1	8/21/2006
N-Nitrosodi-n-propylamine	BQL	10.0	1	8/21/2006
Pentachlorophenol	BQL	50.0	1	8/21/2006
Phenanthrene	BQL	10.0	1	8/21/2006
Phenol	BQL	10.0	1	8/21/2006
Pyrene	BQL	10.0	1	8/21/2006
1,2,4-Trichlorobenzene	BQL	10.0	1	8/21/2006
2,4,6-Trichlorophenol	BQL	10.0	1	8/21/2006

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.7	77
2-Fluorophenol	10	7.9	79
Nitrobenzene-d5	10	7.3	73
Phenol-d6	10	7.2	72
2,4,6-Tribromophenol	10	10	100
4-Terphenyl-d14	10	11.3	113

Comments:
* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:
BQL = Below Quantitation Limits.

Reviewed By:

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SGS

Results of Library Search for Semivolatile Compounds

by GCMS

Client Sample ID: UST45/S941-PW01R
Client Project ID: NV015
Lab Sample ID: G650-71-3G
Lab Project ID: G650-71
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: EAW
Date Collected: 8/8/2006 10:10
Date Received: 8/9/2006
Date Extracted: 8/14/2006
Date Analyzed: 8/21/2006
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Unknown	5.04			25.6
2	Unknown	4.75			17.8
3	Unknown	20.24			5.06
4	Unknown	4.61			4.08
5					
6					
7					
8					
9					
10					

Comment:

Tentatively Identified Compound (TIC) refers to substances which are not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist.

Quantitation is accomplished by relative peak area of the compound compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is equal to or greater than 10% of that of the nearest internal standard. Quantitation provided is an estimate.

Reviewed by:

SGS

Results for Semivolatiles
by GCMS 625

Client Sample ID: UST45/S941-MW05
Client Project ID: NV015
Lab Sample ID: G650-71-4M
Lab Project ID: G650-71

Analyzed By: EAW
Date Collected: 8/7/2006 12:45
Date Received: 8/9/2006
Date Extracted: 8/14/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Acenaphthene	BQL	10.0	1	8/21/2006
Acenaphthylene	BQL	10.0	1	8/21/2006
Anthracene	BQL	10.0	1	8/21/2006
Benzo[a]anthracene	BQL	10.0	1	8/21/2006
Benzo[a]pyrene	BQL	10.0	1	8/21/2006
Benzo[b]fluoranthene	BQL	10.0	1	8/21/2006
Benzo[g,h,i]perylene	BQL	10.0	1	8/21/2006
Benzo[k]fluoranthene	BQL	10.0	1	8/21/2006
Bis(2-chloroethoxy)methane	BQL	10.0	1	8/21/2006
Bis(2-chloroethyl)ether	BQL	10.0	1	8/21/2006
Bis(2-chloroisopropyl)ether	BQL	10.0	1	8/21/2006
Bis(2-ethylhexyl)phthalate	BQL	10.0	1	8/21/2006
4-bromophenyl phenyl ether	BQL	10.0	1	8/21/2006
Butylbenzylphthalate	BQL	10.0	1	8/21/2006
2-Chloronaphthalene	BQL	10.0	1	8/21/2006
2-Chlorophenol	BQL	10.0	1	8/21/2006
4-Chloro-3-methylphenol	BQL	10.0	1	8/21/2006
4-Chlorophenyl phenyl ether	BQL	10.0	1	8/21/2006
Chrysene	BQL	10.0	1	8/21/2006
Dibenzo[a,h]anthracene	BQL	10.0	1	8/21/2006
Di-n-Butylphthalate	BQL	10.0	1	8/21/2006
1,2-Dichlorobenzene	BQL	10.0	1	8/21/2006
1,3-Dichlorobenzene	BQL	10.0	1	8/21/2006
1,4-Dichlorobenzene	BQL	10.0	1	8/21/2006
3,3'-Dichlorobenzidine	BQL	20.0	1	8/21/2006
2,4-Dichlorophenol	BQL	10.0	1	8/21/2006
Diethylphthalate	BQL	10.0	1	8/21/2006
Dimethylphthalate	BQL	10.0	1	8/21/2006
2,4-Dimethylphenol	BQL	10.0	1	8/21/2006
Di-n-octylphthalate	BQL	10.0	1	8/21/2006
4,6-Dinitro-2-methylphenol	BQL	50.0	1	8/21/2006
2,4-Dinitrophenol	BQL	50.0	1	8/21/2006
2,4-Dinitrotoluene	BQL	10.0	1	8/21/2006
2,6-Dinitrotoluene	BQL	10.0	1	8/21/2006
Diphenylamine *	BQL	10.0	1	8/21/2006
Fluoranthene	BQL	10.0	1	8/21/2006
Fluorene	BQL	10.0	1	8/21/2006
Hexachlorobenzene	BQL	10.0	1	8/21/2006
Hexachlorobutadiene	BQL	10.0	1	8/21/2006
Hexachlorocyclopentadiene	BQL	20.0	1	8/21/2006
Hexachloroethane	BQL	10.0	1	8/21/2006
Indeno(1,2,3-c,d)pyrene	BQL	10.0	1	8/21/2006
Isophorone	BQL	10.0	1	8/21/2006
Naphthalene	BQL	10.0	1	8/21/2006

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Results for Semivolatiles
by GCMS 625

Client Sample ID: UST45/S941-MW05
Client Project ID: NV015
Lab Sample ID: G650-71-4M
Lab Project ID: G650-71

Analyzed By: EAW
Date Collected: 8/7/2006 12:45
Date Received: 8/9/2006
Date Extracted: 8/14/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Nitrobenzene	BQL	10.0	1	8/21/2006
2-Nitrophenol	BQL	10.0	1	8/21/2006
4-Nitrophenol	BQL	50.0	1	8/21/2006
N-Nitrosodi-n-propylamine	BQL	10.0	1	8/21/2006
Pentachlorophenol	BQL	50.0	1	8/21/2006
Phenanthrene	BQL	10.0	1	8/21/2006
Phenol	BQL	10.0	1	8/21/2006
Pyrene	BQL	10.0	1	8/21/2006
1,2,4-Trichlorobenzene	BQL	10.0	1	8/21/2006
2,4,6-Trichlorophenol	BQL	10.0	1	8/21/2006

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7	70
2-Fluorophenol	10	6.8	68
Nitrobenzene-d5	10	6.4	64
Phenol-d6	10	6.5	65
2,4,6-Tribromophenol	10	8.7	87
4-Terphenyl-d14	10	9.8	98

Comments:
* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:
BQL = Below Quantitation Limits.

Reviewed By:

8270_LIMS_V1.99

SGS

Results of Library Search for Semivolatile Compounds

by GCMS

Client Sample ID: UST45/S941-MW05
Client Project ID: NV015
Lab Sample ID: G650-71-4M
Lab Project ID: G650-71
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: EAW
Date Collected: 8/7/2006 12:45
Date Received: 8/9/2006
Date Extracted: 8/14/2006
Date Analyzed: 8/21/2006
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Unknown	19.79			44.8
2	Unknown	5.04			22.8
3	Unknown	21.39			19.4
4	Alkane, Unknown	12.07			18.2
5	Alcohol, Unknown	12.24			16.8
6	Alkane, Unknown	12.21			15.4
7	Alkane, Unknown	9.60			15
8	Unknown	9.84			6.64
9	Unknown	18.45			6.51
10	Unknown	4.09			6.1

Comment:

Tentatively Identified Compound (TIC) refers to substances which are not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist.

Quantitation is accomplished by relative peak area of the compound compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is equal to or greater than 10% of that of the nearest internal standard. Quantitation provided is an estimate.

Reviewed by:

SGS

Results for Semivolatiles by GCMS 625

Client Sample ID: UST45/S941-MW07
Client Project ID: NV015
Lab Sample ID: G650-71-5G
Lab Project ID: G650-71

Analyzed By: EAW
Date Collected: 8/7/2006 15:45
Date Received: 8/9/2006
Date Extracted: 8/14/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Acenaphthene	BQL	10.0	1	8/23/2006
Acenaphthylene	BQL	10.0	1	8/23/2006
Anthracene	BQL	10.0	1	8/23/2006
Benzo[a]anthracene	BQL	10.0	1	8/23/2006
Benzo[a]pyrene	BQL	10.0	1	8/23/2006
Benzo[b]fluoranthene	BQL	10.0	1	8/23/2006
Benzo[g,h,i]perylene	BQL	10.0	1	8/23/2006
Benzo[k]fluoranthene	BQL	10.0	1	8/23/2006
Bis(2-chloroethoxy)methane	BQL	10.0	1	8/23/2006
Bis(2-chloroethyl)ether	BQL	10.0	1	8/23/2006
Bis(2-chloroisopropyl)ether	BQL	10.0	1	8/23/2006
Bis(2-ethylhexyl)phthalate	BQL	10.0	1	8/23/2006
4-bromophenyl phenyl ether	BQL	10.0	1	8/23/2006
Butylbenzylphthalate	BQL	10.0	1	8/23/2006
2-Chloronaphthalene	BQL	10.0	1	8/23/2006
2-Chlorophenol	BQL	10.0	1	8/23/2006
4-Chloro-3-methylphenol	BQL	10.0	1	8/23/2006
4-Chlorophenyl phenyl ether	BQL	10.0	1	8/23/2006
Chrysene	BQL	10.0	1	8/23/2006
Dibenzo[a,h]anthracene	BQL	10.0	1	8/23/2006
Di-n-Butylphthalate	BQL	10.0	1	8/23/2006
1,2-Dichlorobenzene	BQL	10.0	1	8/23/2006
1,3-Dichlorobenzene	BQL	10.0	1	8/23/2006
1,4-Dichlorobenzene	BQL	10.0	1	8/23/2006
3,3'-Dichlorobenzidine	BQL	20.0	1	8/23/2006
2,4-Dichlorophenol	BQL	10.0	1	8/23/2006
Diethylphthalate	BQL	10.0	1	8/23/2006
Dimethylphthalate	BQL	10.0	1	8/23/2006
2,4-Dimethylphenol	BQL	10.0	1	8/23/2006
Di-n-octylphthalate	BQL	10.0	1	8/23/2006
4,6-Dinitro-2-methylphenol	BQL	50.0	1	8/23/2006
2,4-Dinitrophenol	BQL	50.0	1	8/23/2006
2,4-Dinitrotoluene	BQL	10.0	1	8/23/2006
2,6-Dinitrotoluene	BQL	10.0	1	8/23/2006
Diphenylamine *	BQL	10.0	1	8/23/2006
Fluoranthene	BQL	10.0	1	8/23/2006
Fluorene	BQL	10.0	1	8/23/2006
Hexachlorobenzene	BQL	10.0	1	8/23/2006
Hexachlorobutadiene	BQL	10.0	1	8/23/2006
Hexachlorocyclopentadiene	BQL	20.0	1	8/23/2006
Hexachloroethane	BQL	10.0	1	8/23/2006
Indeno(1,2,3-c,d)pyrene	BQL	10.0	1	8/23/2006
Isophorone	BQL	10.0	1	8/23/2006
Naphthalene	BQL	10.0	1	8/23/2006

SGS

Results for Semivolatiles
by GCMS 625

Client Sample ID: UST45/S941-MW07
Client Project ID: NV015
Lab Sample ID: G650-71-5G
Lab Project ID: G650-71

Analyzed By: EAW
Date Collected: 8/7/2006 15:45
Date Received: 8/9/2006
Date Extracted: 8/14/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Nitrobenzene	BQL	10.0	1	8/23/2006
2-Nitrophenol	BQL	10.0	1	8/23/2006
4-Nitrophenol	BQL	50.0	1	8/23/2006
N-Nitrosodi-n-propylamine	BQL	10.0	1	8/23/2006
Pentachlorophenol	BQL	50.0	1	8/23/2006
Phenanthrene	BQL	10.0	1	8/23/2006
Phenol	BQL	10.0	1	8/23/2006
Pyrene	BQL	10.0	1	8/23/2006
1,2,4-Trichlorobenzene	BQL	10.0	1	8/23/2006
2,4,6-Trichlorophenol	BQL	10.0	1	8/23/2006

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	6.5	65
2-Fluorophenol	10	6.2	62
Nitrobenzene-d5	10	5.9	59
Phenol-d6	10	6.5	65
2,4,6-Tribromophenol	10	4.3	43
4-Terphenyl-d14	10	8.9	89

Comments:
* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:
BQL = Below Quantitation Limits.

Reviewed By:

SGS

Results of Library Search for Semivolatile Compounds

by GCMS

Client Sample ID: UST45/S941-MW07
Client Project ID: NV015
Lab Sample ID: G650-71-5G
Lab Project ID: G650-71
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: EAW
Date Collected: 8/7/2006 15:45
Date Received: 8/9/2006
Date Extracted: 8/14/2006
Date Analyzed: 8/21/2006
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Unknown	5.09			5.91
2					
3					
4					
5					
6					
7					
8					
9					
10					

Comment:

Tentatively Identified Compound (TIC) refers to substances which are not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist.

Quantitation is accomplished by relative peak area of the compound compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is equal to or greater than 10% of that of the nearest internal standard. Quantitation provided is an estimate.

Reviewed by:

SGS

Results for Semivolatiles by GCMS 625

Client Sample ID: UST45/S941-MW08
Client Project ID: NV015
Lab Sample ID: G650-71-6G
Lab Project ID: G650-71

Analyzed By: EAW
Date Collected: 8/7/2006 15:20
Date Received: 8/9/2006
Date Extracted: 8/14/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Acenaphthene	BQL	10.0	1	8/23/2006
Acenaphthylene	BQL	10.0	1	8/23/2006
Anthracene	BQL	10.0	1	8/23/2006
Benzo[a]anthracene	BQL	10.0	1	8/23/2006
Benzo[a]pyrene	BQL	10.0	1	8/23/2006
Benzo[b]fluoranthene	BQL	10.0	1	8/23/2006
Benzo[g,h,i]perylene	BQL	10.0	1	8/23/2006
Benzo[k]fluoranthene	BQL	10.0	1	8/23/2006
Bis(2-chloroethoxy)methane	BQL	10.0	1	8/23/2006
Bis(2-chloroethyl)ether	BQL	10.0	1	8/23/2006
Bis(2-chloroisopropyl)ether	BQL	10.0	1	8/23/2006
Bis(2-ethylhexyl)phthalate	BQL	10.0	1	8/23/2006
4-bromophenyl phenyl ether	BQL	10.0	1	8/23/2006
Butylbenzylphthalate	BQL	10.0	1	8/23/2006
2-Chloronaphthalene	BQL	10.0	1	8/23/2006
2-Chlorophenol	BQL	10.0	1	8/23/2006
4-Chloro-3-methylphenol	BQL	10.0	1	8/23/2006
4-Chlorophenyl phenyl ether	BQL	10.0	1	8/23/2006
Chrysene	BQL	10.0	1	8/23/2006
Dibenzo[a,h]anthracene	BQL	10.0	1	8/23/2006
Di-n-Butylphthalate	BQL	10.0	1	8/23/2006
1,2-Dichlorobenzene	BQL	10.0	1	8/23/2006
1,3-Dichlorobenzene	BQL	10.0	1	8/23/2006
1,4-Dichlorobenzene	BQL	10.0	1	8/23/2006
3,3'-Dichlorobenzidine	BQL	20.0	1	8/23/2006
2,4-Dichlorophenol	BQL	10.0	1	8/23/2006
Diethylphthalate	BQL	10.0	1	8/23/2006
Dimethylphthalate	BQL	10.0	1	8/23/2006
2,4-Dimethylphenol	BQL	10.0	1	8/23/2006
Di-n-octylphthalate	BQL	10.0	1	8/23/2006
4,6-Dinitro-2-methylphenol	BQL	50.0	1	8/23/2006
2,4-Dinitrophenol	BQL	50.0	1	8/23/2006
2,4-Dinitrotoluene	BQL	10.0	1	8/23/2006
2,6-Dinitrotoluene	BQL	10.0	1	8/23/2006
Diphenylamine *	BQL	10.0	1	8/23/2006
Fluoranthene	BQL	10.0	1	8/23/2006
Fluorene	BQL	10.0	1	8/23/2006
Hexachlorobenzene	BQL	10.0	1	8/23/2006
Hexachlorobutadiene	BQL	10.0	1	8/23/2006
Hexachlorocyclopentadiene	BQL	20.0	1	8/23/2006
Hexachloroethane	BQL	10.0	1	8/23/2006
Indeno(1,2,3-c,d)pyrene	BQL	10.0	1	8/23/2006
Isophorone	BQL	10.0	1	8/23/2006
Naphthalene	BQL	10.0	1	8/23/2006

SGS

Results for Semivolatiles
by GCMS 625

Client Sample ID: UST45/S941-MW08
Client Project ID: NV015
Lab Sample ID: G650-71-6G
Lab Project ID: G650-71

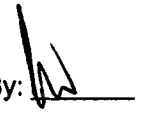
Analyzed By: EAW
Date Collected: 8/7/2006 15:20
Date Received: 8/9/2006
Date Extracted: 8/14/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Nitrobenzene	BQL	10.0	1	8/23/2006
2-Nitrophenol	BQL	10.0	1	8/23/2006
4-Nitrophenol	BQL	50.0	1	8/23/2006
N-Nitrosodi-n-propylamine	BQL	10.0	1	8/23/2006
Pentachlorophenol	BQL	50.0	1	8/23/2006
Phenanthrene	BQL	10.0	1	8/23/2006
Phenol	BQL	10.0	1	8/23/2006
Pyrene	BQL	10.0	1	8/23/2006
1,2,4-Trichlorobenzene	BQL	10.0	1	8/23/2006
2,4,6-Trichlorophenol	BQL	10.0	1	8/23/2006

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.6	76
2-Fluorophenol	10	7.6	76
Nitrobenzene-d5	10	6.3	63
Phenol-d6	10	6.5	65
2,4,6-Tribromophenol	10	3.9	39
4-Terphenyl-d14	10	9.8	98

Comments:
* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:
BQL = Below Quantitation Limits.

Reviewed By: 

SGS

Results of Library Search for Semivolatile Compounds

by GCMS

Client Sample ID: UST45/S941-MW08
Client Project ID: NV015
Lab Sample ID: G650-71-6G
Lab Project ID: G650-71
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: EAW
Date Collected: 8/7/2006 15:20
Date Received: 8/9/2006
Date Extracted: 8/14/2006
Date Analyzed: 8/21/2006
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Unknown	5.02			25.3
2	Unknown	5.13			6.33
3	Unknown	5.09			5.4
4					
5					
6					
7					
8					
9					
10					

Comment:

Tentatively Identified Compound (TIC) refers to substances which are not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist.

Quantitation is accomplished by relative peak area of the compound compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is equal to or greater than 10% of that of the nearest internal standard. Quantitation provided is an estimate.

Reviewed by: _____

SGS

Results for Semivolatiles
by GCMS 625

Client Sample ID: UST45/S941-MW12
Client Project ID: NV015
Lab Sample ID: G650-71-7G
Lab Project ID: G650-71

Analyzed By: EAW
Date Collected: 8/8/2006 12:15
Date Received: 8/9/2006
Date Extracted: 8/14/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Acenaphthene	BQL	10.0	1	8/23/2006
Acenaphthylene	BQL	10.0	1	8/23/2006
Anthracene	BQL	10.0	1	8/23/2006
Benzo[a]anthracene	BQL	10.0	1	8/23/2006
Benzo[a]pyrene	BQL	10.0	1	8/23/2006
Benzo[b]fluoranthene	BQL	10.0	1	8/23/2006
Benzo[g,h,i]perylene	BQL	10.0	1	8/23/2006
Benzo[k]fluoranthene	BQL	10.0	1	8/23/2006
Bis(2-chloroethoxy)methane	BQL	10.0	1	8/23/2006
Bis(2-chloroethyl)ether	BQL	10.0	1	8/23/2006
Bis(2-chloroisopropyl)ether	BQL	10.0	1	8/23/2006
Bis(2-ethylhexyl)phthalate	BQL	10.0	1	8/23/2006
4-bromophenyl phenyl ether	BQL	10.0	1	8/23/2006
Butylbenzylphthalate	BQL	10.0	1	8/23/2006
2-Chloronaphthalene	BQL	10.0	1	8/23/2006
2-Chlorophenol	BQL	10.0	1	8/23/2006
4-Chloro-3-methylphenol	BQL	10.0	1	8/23/2006
4-Chlorophenyl phenyl ether	BQL	10.0	1	8/23/2006
Chrysene	BQL	10.0	1	8/23/2006
Dibenzo[a,h]anthracene	BQL	10.0	1	8/23/2006
Di-n-Butylphthalate	BQL	10.0	1	8/23/2006
1,2-Dichlorobenzene	BQL	10.0	1	8/23/2006
1,3-Dichlorobenzene	BQL	10.0	1	8/23/2006
1,4-Dichlorobenzene	BQL	10.0	1	8/23/2006
3,3'-Dichlorobenzidine	BQL	20.0	1	8/23/2006
2,4-Dichlorophenol	BQL	10.0	1	8/23/2006
Diethylphthalate	BQL	10.0	1	8/23/2006
Dimethylphthalate	BQL	10.0	1	8/23/2006
2,4-Dimethylphenol	BQL	10.0	1	8/23/2006
Di-n-octylphthalate	BQL	10.0	1	8/23/2006
4,6-Dinitro-2-methylphenol	BQL	50.0	1	8/23/2006
2,4-Dinitrophenol	BQL	50.0	1	8/23/2006
2,4-Dinitrotoluene	BQL	10.0	1	8/23/2006
2,6-Dinitrotoluene	BQL	10.0	1	8/23/2006
Diphenylamine *	BQL	10.0	1	8/23/2006
Fluoranthene	BQL	10.0	1	8/23/2006
Fluorene	BQL	10.0	1	8/23/2006
Hexachlorobenzene	BQL	10.0	1	8/23/2006
Hexachlorobutadiene	BQL	10.0	1	8/23/2006
Hexachlorocyclopentadiene	BQL	20.0	1	8/23/2006
Hexachloroethane	BQL	10.0	1	8/23/2006
Indeno(1,2,3-c,d)pyrene	BQL	10.0	1	8/23/2006
Isophorone	BQL	10.0	1	8/23/2006
Naphthalene	BQL	10.0	1	8/23/2006

SGS

Results for Semivolatiles
by GCMS 625

Client Sample ID: UST45/S941-MW12
Client Project ID: NV015
Lab Sample ID: G650-71-7G
Lab Project ID: G650-71

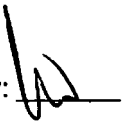
Analyzed By: EAW
Date Collected: 8/8/2006 12:15
Date Received: 8/9/2006
Date Extracted: 8/14/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Nitrobenzene	BQL	10.0	1	8/23/2006
2-Nitrophenol	BQL	10.0	1	8/23/2006
4-Nitrophenol	BQL	50.0	1	8/23/2006
N-Nitrosodi-n-propylamine	BQL	10.0	1	8/23/2006
Pentachlorophenol	BQL	50.0	1	8/23/2006
Phenanthrene	BQL	10.0	1	8/23/2006
Phenol	BQL	10.0	1	8/23/2006
Pyrene	BQL	10.0	1	8/23/2006
1,2,4-Trichlorobenzene	BQL	10.0	1	8/23/2006
2,4,6-Trichlorophenol	BQL	10.0	1	8/23/2006

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	6.1	61
2-Fluorophenol	10	4.5	45
Nitrobenzene-d5	10	5.4	54
Phenol-d6	10	5.8	58
2,4,6-Tribromophenol	10	3.9	39
4-Terphenyl-d14	10	11.3	114

Comments:
* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:
BQL = Below Quantitation Limits.

Reviewed By: 

SGS

Results of Library Search for Semivolatile Compounds

by GCMS

Client Sample ID: UST45/S941-MW12
Client Project ID: NV015
Lab Sample ID: G650-71-7G
Lab Project ID: G650-71
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: EAW
Date Collected: 8/8/2006 12:15
Date Received: 8/9/2006
Date Extracted: 8/14/2006
Date Analyzed: 8/21/2006
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Unknown	5.06			19.5
2	Unknown	5.13			17.6
3	Unknown	5.28			17.4
4	Unknown	5.03			6.64
5	Unknown	5.04			6.58
6					
7					
8					
9					
10					

Comment:

Tentatively Identified Compound (TIC) refers to substances which are not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist.

Quantitation is accomplished by relative peak area of the compound compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is equal to or greater than 10% of that of the nearest internal standard. Quantitation provided is an estimate.

Reviewed by:

SGS

Results for Semivolatiles by GCMS 625

Client Sample ID: UST45/S941-MW13
Client Project ID: NV015
Lab Sample ID: G650-71-8G
Lab Project ID: G650-71

Analyzed By: EAW
Date Collected: 8/8/2006 13:10
Date Received: 8/9/2006
Date Extracted: 8/14/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Acenaphthene	BQL	10.0	1	8/23/2006
Acenaphthylene	BQL	10.0	1	8/23/2006
Anthracene	BQL	10.0	1	8/23/2006
Benzo[a]anthracene	BQL	10.0	1	8/23/2006
Benzo[a]pyrene	BQL	10.0	1	8/23/2006
Benzo[b]fluoranthene	BQL	10.0	1	8/23/2006
Benzo[g,h,i]perylene	BQL	10.0	1	8/23/2006
Benzo[k]fluoranthene	BQL	10.0	1	8/23/2006
Bis(2-chloroethoxy)methane	BQL	10.0	1	8/23/2006
Bis(2-chloroethyl)ether	BQL	10.0	1	8/23/2006
Bis(2-chloroisopropyl)ether	BQL	10.0	1	8/23/2006
Bis(2-ethylhexyl)phthalate	BQL	10.0	1	8/23/2006
4-bromophenyl phenyl ether	BQL	10.0	1	8/23/2006
Butylbenzylphthalate	BQL	10.0	1	8/23/2006
2-Chloronaphthalene	BQL	10.0	1	8/23/2006
2-Chlorophenol	BQL	10.0	1	8/23/2006
4-Chloro-3-methylphenol	BQL	10.0	1	8/23/2006
4-Chlorophenyl phenyl ether	BQL	10.0	1	8/23/2006
Chrysene	BQL	10.0	1	8/23/2006
Dibenzo[a,h]anthracene	BQL	10.0	1	8/23/2006
Di-n-Butylphthalate	BQL	10.0	1	8/23/2006
1,2-Dichlorobenzene	BQL	10.0	1	8/23/2006
1,3-Dichlorobenzene	BQL	10.0	1	8/23/2006
1,4-Dichlorobenzene	BQL	10.0	1	8/23/2006
3,3'-Dichlorobenzidine	BQL	20.0	1	8/23/2006
2,4-Dichlorophenol	BQL	10.0	1	8/23/2006
Diethylphthalate	BQL	10.0	1	8/23/2006
Dimethylphthalate	BQL	10.0	1	8/23/2006
2,4-Dimethylphenol	BQL	10.0	1	8/23/2006
Di-n-octylphthalate	BQL	10.0	1	8/23/2006
4,6-Dinitro-2-methylphenol	BQL	50.0	1	8/23/2006
2,4-Dinitrophenol	BQL	50.0	1	8/23/2006
2,4-Dinitrotoluene	BQL	10.0	1	8/23/2006
2,6-Dinitrotoluene	BQL	10.0	1	8/23/2006
Diphenylamine *	BQL	10.0	1	8/23/2006
Fluoranthene	BQL	10.0	1	8/23/2006
Fluorene	BQL	10.0	1	8/23/2006
Hexachlorobenzene	BQL	10.0	1	8/23/2006
Hexachlorobutadiene	BQL	10.0	1	8/23/2006
Hexachlorocyclopentadiene	BQL	20.0	1	8/23/2006
Hexachloroethane	BQL	10.0	1	8/23/2006
Indeno(1,2,3-c,d)pyrene	BQL	10.0	1	8/23/2006
Isophorone	BQL	10.0	1	8/23/2006
Naphthalene	BQL	10.0	1	8/23/2006

SGS

Results for Semivolatiles
by GCMS 625

Client Sample ID: UST45/S941-MW13
Client Project ID: NV015
Lab Sample ID: G650-71-8G
Lab Project ID: G650-71

Analyzed By: EAW
Date Collected: 8/8/2006 13:10
Date Received: 8/9/2006
Date Extracted: 8/14/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Nitrobenzene	BQL	10.0	1	8/23/2006
2-Nitrophenol	BQL	10.0	1	8/23/2006
4-Nitrophenol	BQL	50.0	1	8/23/2006
N-Nitrosodi-n-propylamine	BQL	10.0	1	8/23/2006
Pentachlorophenol	BQL	50.0	1	8/23/2006
Phenanthrene	BQL	10.0	1	8/23/2006
Phenol	BQL	10.0	1	8/23/2006
Pyrene	BQL	10.0	1	8/23/2006
1,2,4-Trichlorobenzene	BQL	10.0	1	8/23/2006
2,4,6-Trichlorophenol	BQL	10.0	1	8/23/2006

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.9	79
2-Fluorophenol	10	6.7	67
Nitrobenzene-d5	10	7.3	73
Phenol-d6	10	7.1	71
2,4,6-Tribromophenol	10	4.5	45
4-Terphenyl-d14	10	11.7	117

Comments:
* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:
BQL = Below Quantitation Limits.

Reviewed By:

SGS

Results of Library Search for Semivolatile Compounds

by GCMS

Client Sample ID: UST45/S941-MW13
Client Project ID: NV015
Lab Sample ID: G650-71-8G
Lab Project ID: G650-71
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: EAW
Date Collected: 8/8/2006 13:10
Date Received: 8/9/2006
Date Extracted: 8/14/2006
Date Analyzed: 8/21/2006
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	No library search compounds detected.				
2					
3					
4					
5					
6					
7					
8					
9					
10					

Comment:

Tentatively Identified Compound (TIC) refers to substances which are not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist.

Quantitation is accomplished by relative peak area of the compound compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is equal to or greater than 10% of that of the nearest internal standard. Quantitation provided is an estimate.

Reviewed by:

SGS

Results for Semivolatiles by GCMS 625

Client Sample ID: UST45/S941-MW15
Client Project ID: NV015
Lab Sample ID: G650-71-9G
Lab Project ID: G650-71

Analyzed By: EAW
Date Collected: 8/8/2006 14:05
Date Received: 8/9/2006
Date Extracted: 8/14/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Acenaphthene	BQL	10.0	1	8/23/2006
Acenaphthylene	BQL	10.0	1	8/23/2006
Anthracene	BQL	10.0	1	8/23/2006
Benzo[a]anthracene	BQL	10.0	1	8/23/2006
Benzo[a]pyrene	BQL	10.0	1	8/23/2006
Benzo[b]fluoranthene	BQL	10.0	1	8/23/2006
Benzo[g,h,i]perylene	BQL	10.0	1	8/23/2006
Benzo[k]fluoranthene	BQL	10.0	1	8/23/2006
Bis(2-chloroethoxy)methane	BQL	10.0	1	8/23/2006
Bis(2-chloroethyl)ether	BQL	10.0	1	8/23/2006
Bis(2-chloroisopropyl)ether	BQL	10.0	1	8/23/2006
Bis(2-ethylhexyl)phthalate	BQL	10.0	1	8/23/2006
4-bromophenyl phenyl ether	BQL	10.0	1	8/23/2006
Butylbenzylphthalate	BQL	10.0	1	8/23/2006
2-Chloronaphthalene	BQL	10.0	1	8/23/2006
2-Chlorophenol	BQL	10.0	1	8/23/2006
4-Chloro-3-methylphenol	BQL	10.0	1	8/23/2006
4-Chlorophenyl phenyl ether	BQL	10.0	1	8/23/2006
Chrysene	BQL	10.0	1	8/23/2006
Dibenzo[a,h]anthracene	BQL	10.0	1	8/23/2006
Di-n-Butylphthalate	BQL	10.0	1	8/23/2006
1,2-Dichlorobenzene	BQL	10.0	1	8/23/2006
1,3-Dichlorobenzene	BQL	10.0	1	8/23/2006
1,4-Dichlorobenzene	BQL	10.0	1	8/23/2006
3,3'-Dichlorobenzidine	BQL	20.0	1	8/23/2006
2,4-Dichlorophenol	BQL	10.0	1	8/23/2006
Diethylphthalate	BQL	10.0	1	8/23/2006
Dimethylphthalate	BQL	10.0	1	8/23/2006
2,4-Dimethylphenol	BQL	10.0	1	8/23/2006
Di-n-octylphthalate	BQL	10.0	1	8/23/2006
4,6-Dinitro-2-methylphenol	BQL	50.0	1	8/23/2006
2,4-Dinitrophenol	BQL	50.0	1	8/23/2006
2,4-Dinitrotoluene	BQL	10.0	1	8/23/2006
2,6-Dinitrotoluene	BQL	10.0	1	8/23/2006
Diphenylamine *	BQL	10.0	1	8/23/2006
Fluoranthene	BQL	10.0	1	8/23/2006
Fluorene	BQL	10.0	1	8/23/2006
Hexachlorobenzene	BQL	10.0	1	8/23/2006
Hexachlorobutadiene	BQL	10.0	1	8/23/2006
Hexachlorocyclopentadiene	BQL	20.0	1	8/23/2006
Hexachloroethane	BQL	10.0	1	8/23/2006
Indeno(1,2,3-c,d)pyrene	BQL	10.0	1	8/23/2006
Isophorone	BQL	10.0	1	8/23/2006
Naphthalene	BQL	10.0	1	8/23/2006

SGS

Results for Semivolatiles
by GCMS 625

Client Sample ID: UST45/S941-MW15
Client Project ID: NV015
Lab Sample ID: G650-71-9G
Lab Project ID: G650-71

Analyzed By: EAW
Date Collected: 8/8/2006 14:05
Date Received: 8/9/2006
Date Extracted: 8/14/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Nitrobenzene	BQL	10.0	1	8/23/2006
2-Nitrophenol	BQL	10.0	1	8/23/2006
4-Nitrophenol	BQL	50.0	1	8/23/2006
N-Nitrosodi-n-propylamine	BQL	10.0	1	8/23/2006
Pentachlorophenol	BQL	50.0	1	8/23/2006
Phenanthrene	BQL	10.0	1	8/23/2006
Phenol	BQL	10.0	1	8/23/2006
Pyrene	BQL	10.0	1	8/23/2006
1,2,4-Trichlorobenzene	BQL	10.0	1	8/23/2006
2,4,6-Trichlorophenol	BQL	10.0	1	8/23/2006

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.2	72
2-Fluorophenol	10	7	70
Nitrobenzene-d5	10	6.9	69
Phenol-d6	10	6.9	69
2,4,6-Tribromophenol	10	3.3	33
4-Terphenyl-d14	10	13.5	135

Comments:
* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:
BQL = Below Quantitation Limits.

Reviewed By:

SGS

Results of Library Search for Semivolatile Compounds

by GCMS

Client Sample ID: UST45/S941-MW15
Client Project ID: NV015
Lab Sample ID: G650-71-9G
Lab Project ID: G650-71
Sample Wt/Vol: 500 ML
Dilution: 1

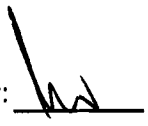
Analyzed By: EAW
Date Collected: 8/8/2006 14:05
Date Received: 8/9/2006
Date Extracted: 8/14/2006
Date Analyzed: 8/21/2006
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Unknown	5.28			18.2
2	Unknown	5.32			16.9
3	Unknown	5.11			9.58
4	Unknown	5.05			8.03
5	Unknown	5.13			6.31
6					
7					
8					
9					
10					

Comment:

Tentatively Identified Compound (TIC) refers to substances which are not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist.

Quantitation is accomplished by relative peak area of the compound compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is equal to or greater than 10% of that of the nearest internal standard. Quantitation provided is an estimate.

Reviewed by: 

SGS

Results for Semivolatiles
by GCMS 625

Client Sample ID: UST45/S941-MW17
Client Project ID: NV015
Lab Sample ID: G650-71-10G
Lab Project ID: G650-71

Analyzed By: EAW
Date Collected: 8/7/2006 13:15
Date Received: 8/9/2006
Date Extracted: 8/14/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Acenaphthene	BQL	10.0	1	8/23/2006
Acenaphthylene	BQL	10.0	1	8/23/2006
Anthracene	BQL	10.0	1	8/23/2006
Benzo[a]anthracene	BQL	10.0	1	8/23/2006
Benzo[a]pyrene	BQL	10.0	1	8/23/2006
Benzo[b]fluoranthene	BQL	10.0	1	8/23/2006
Benzo[g,h,i]perylene	BQL	10.0	1	8/23/2006
Benzo[k]fluoranthene	BQL	10.0	1	8/23/2006
Bis(2-chloroethoxy)methane	BQL	10.0	1	8/23/2006
Bis(2-chloroethyl)ether	BQL	10.0	1	8/23/2006
Bis(2-chloroisopropyl)ether	BQL	10.0	1	8/23/2006
Bis(2-ethylhexyl)phthalate	BQL	10.0	1	8/23/2006
4-bromophenyl phenyl ether	BQL	10.0	1	8/23/2006
Butylbenzylphthalate	BQL	10.0	1	8/23/2006
2-Chloronaphthalene	BQL	10.0	1	8/23/2006
2-Chlorophenol	BQL	10.0	1	8/23/2006
4-Chloro-3-methylphenol	BQL	10.0	1	8/23/2006
4-Chlorophenyl phenyl ether	BQL	10.0	1	8/23/2006
Chrysene	BQL	10.0	1	8/23/2006
Dibenzo[a,h]anthracene	BQL	10.0	1	8/23/2006
Di-n-Butylphthalate	BQL	10.0	1	8/23/2006
1,2-Dichlorobenzene	BQL	10.0	1	8/23/2006
1,3-Dichlorobenzene	BQL	10.0	1	8/23/2006
1,4-Dichlorobenzene	BQL	10.0	1	8/23/2006
3,3'-Dichlorobenzidine	BQL	20.0	1	8/23/2006
2,4-Dichlorophenol	BQL	10.0	1	8/23/2006
Diethylphthalate	BQL	10.0	1	8/23/2006
Dimethylphthalate	BQL	10.0	1	8/23/2006
2,4-Dimethylphenol	BQL	10.0	1	8/23/2006
Di-n-octylphthalate	BQL	10.0	1	8/23/2006
4,6-Dinitro-2-methylphenol	BQL	50.0	1	8/23/2006
2,4-Dinitrophenol	BQL	50.0	1	8/23/2006
2,4-Dinitrotoluene	BQL	10.0	1	8/23/2006
2,6-Dinitrotoluene	BQL	10.0	1	8/23/2006
Diphenylamine *	BQL	10.0	1	8/23/2006
Fluoranthene	BQL	10.0	1	8/23/2006
Fluorene	BQL	10.0	1	8/23/2006
Hexachlorobenzene	BQL	10.0	1	8/23/2006
Hexachlorobutadiene	BQL	10.0	1	8/23/2006
Hexachlorocyclopentadiene	BQL	20.0	1	8/23/2006
Hexachloroethane	BQL	10.0	1	8/23/2006
Indeno(1,2,3-c,d)pyrene	BQL	10.0	1	8/23/2006
Isophorone	BQL	10.0	1	8/23/2006
Naphthalene	BQL	10.0	1	8/23/2006

SGS

Results for Semivolatiles
by GCMS 625

Client Sample ID: UST45/S941-MW17
Client Project ID: NV015
Lab Sample ID: G650-71-10G
Lab Project ID: G650-71

Analyzed By: EAW
Date Collected: 8/7/2006 13:15
Date Received: 8/9/2006
Date Extracted: 8/14/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Nitrobenzene	BQL	10.0	1	8/23/2006
2-Nitrophenol	BQL	10.0	1	8/23/2006
4-Nitrophenol	BQL	50.0	1	8/23/2006
N-Nitrosodi-n-propylamine	BQL	10.0	1	8/23/2006
Pentachlorophenol	BQL	50.0	1	8/23/2006
Phenanthrene	BQL	10.0	1	8/23/2006
Phenol	BQL	10.0	1	8/23/2006
Pyrene	BQL	10.0	1	8/23/2006
1,2,4-Trichlorobenzene	BQL	10.0	1	8/23/2006
2,4,6-Trichlorophenol	BQL	10.0	1	8/23/2006

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	6.4	64
2-Fluorophenol	10	5.4	54
Nitrobenzene-d5	10	5.3	53
Phenol-d6	10	6.2	62
2,4,6-Tribromophenol	10	3.3	33
4-Terphenyl-d14	10	10.5	105

Comments:
* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:
BQL = Below Quantitation Limits.

Reviewed By:

SGS

Results of Library Search for Semivolatile Compounds

by GCMS

Client Sample ID: UST45/S941-MW17
Client Project ID: NV015
Lab Sample ID: G650-71-10G
Lab Project ID: G650-71
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: EAW
Date Collected: 8/7/2006 13:15
Date Received: 8/9/2006
Date Extracted: 8/14/2006
Date Analyzed: 8/21/2006
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Unknown	5.08			18.4
2	Unknown	5.17			7.36
3	Unknown	5.07			7.05
4	Unknown	5.12			6.12
5	Unknown	5.13			5.85
6	Unknown	5.14			5.14
7					
8					
9					
10					

Comment:

Tentatively Identified Compound (TIC) refers to substances which are not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist.

Quantitation is accomplished by relative peak area of the compound compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is equal to or greater than 10% of that of the nearest internal standard. Quantitation provided is an estimate.

Reviewed by:

SGS

Results for Semivolatiles
by GCMS 625

Client Sample ID: UST45/S941-MW18
Client Project ID: NV015
Lab Sample ID: G650-71-11G
Lab Project ID: G650-71

Analyzed By: EAW
Date Collected: 8/8/2006 11:55
Date Received: 8/9/2006
Date Extracted: 8/14/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Acenaphthene	BQL	10.0	1	8/23/2006
Acenaphthylene	BQL	10.0	1	8/23/2006
Anthracene	BQL	10.0	1	8/23/2006
Benzo[a]anthracene	BQL	10.0	1	8/23/2006
Benzo[a]pyrene	BQL	10.0	1	8/23/2006
Benzo[b]fluoranthene	BQL	10.0	1	8/23/2006
Benzo[g,h,i]perylene	BQL	10.0	1	8/23/2006
Benzo[k]fluoranthene	BQL	10.0	1	8/23/2006
Bis(2-chloroethoxy)methane	BQL	10.0	1	8/23/2006
Bis(2-chloroethyl)ether	BQL	10.0	1	8/23/2006
Bis(2-chloroisopropyl)ether	BQL	10.0	1	8/23/2006
Bis(2-ethylhexyl)phthalate	BQL	10.0	1	8/23/2006
4-bromophenyl phenyl ether	BQL	10.0	1	8/23/2006
Butylbenzylphthalate	BQL	10.0	1	8/23/2006
2-Chloronaphthalene	BQL	10.0	1	8/23/2006
2-Chlorophenol	BQL	10.0	1	8/23/2006
4-Chloro-3-methylphenol	BQL	10.0	1	8/23/2006
4-Chlorophenyl phenyl ether	BQL	10.0	1	8/23/2006
Chrysene	BQL	10.0	1	8/23/2006
Dibenzo[a,h]anthracene	BQL	10.0	1	8/23/2006
Di-n-Butylphthalate	BQL	10.0	1	8/23/2006
1,2-Dichlorobenzene	BQL	10.0	1	8/23/2006
1,3-Dichlorobenzene	BQL	10.0	1	8/23/2006
1,4-Dichlorobenzene	BQL	10.0	1	8/23/2006
3,3'-Dichlorobenzidine	BQL	20.0	1	8/23/2006
2,4-Dichlorophenol	BQL	10.0	1	8/23/2006
Diethylphthalate	BQL	10.0	1	8/23/2006
Dimethylphthalate	BQL	10.0	1	8/23/2006
2,4-Dimethylphenol	BQL	10.0	1	8/23/2006
Di-n-octylphthalate	BQL	10.0	1	8/23/2006
4,6-Dinitro-2-methylphenol	BQL	50.0	1	8/23/2006
2,4-Dinitrophenol	BQL	50.0	1	8/23/2006
2,4-Dinitrotoluene	BQL	10.0	1	8/23/2006
2,6-Dinitrotoluene	BQL	10.0	1	8/23/2006
Diphenylamine *	BQL	10.0	1	8/23/2006
Fluoranthene	BQL	10.0	1	8/23/2006
Fluorene	BQL	10.0	1	8/23/2006
Hexachlorobenzene	BQL	10.0	1	8/23/2006
Hexachlorobutadiene	BQL	10.0	1	8/23/2006
Hexachlorocyclopentadiene	BQL	20.0	1	8/23/2006
Hexachloroethane	BQL	10.0	1	8/23/2006
Indeno(1,2,3-c,d)pyrene	BQL	10.0	1	8/23/2006
Isophorone	BQL	10.0	1	8/23/2006
Naphthalene	BQL	10.0	1	8/23/2006

SGS

Results for Semivolatiles
by GCMS 625

Client Sample ID: UST45/S941-MW18
Client Project ID: NV015
Lab Sample ID: G650-71-11G
Lab Project ID: G650-71

Analyzed By: EAW
Date Collected: 8/8/2006 11:55
Date Received: 8/9/2006
Date Extracted: 8/14/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Nitrobenzene	BQL	10.0	1	8/23/2006
2-Nitrophenol	BQL	10.0	1	8/23/2006
4-Nitrophenol	BQL	50.0	1	8/23/2006
N-Nitrosodi-n-propylamine	BQL	10.0	1	8/23/2006
Pentachlorophenol	BQL	50.0	1	8/23/2006
Phenanthrene	BQL	10.0	1	8/23/2006
Phenol	BQL	10.0	1	8/23/2006
Pyrene	BQL	10.0	1	8/23/2006
1,2,4-Trichlorobenzene	BQL	10.0	1	8/23/2006
2,4,6-Trichlorophenol	BQL	10.0	1	8/23/2006

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.9	79
2-Fluorophenol	10	5.7	57
Nitrobenzene-d5	10	5.6	56
Phenol-d6	10	6.7	67
2,4,6-Tribromophenol	10	5.9	59
4-Terphenyl-d14	10	10.4	104

Comments:
* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:
BQL = Below Quantitation Limits.

Reviewed By:

SGS

Results of Library Search for Semivolatile Compounds

by GCMS

Client Sample ID: UST45/S941-MW18
Client Project ID: NV015
Lab Sample ID: G650-71-11G
Lab Project ID: G650-71
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: EAW
Date Collected: 8/8/2006 11:55
Date Received: 8/9/2006
Date Extracted: 8/14/2006
Date Analyzed: 8/21/2006
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Unknown	5.04			14.7
2	Unknown	5.12			11.6
3	Unknown	21.73			4.72
4					
5					
6					
7					
8					
9					
10					

Comment:

Tentatively Identified Compound (TIC) refers to substances which are not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist.

Quantitation is accomplished by relative peak area of the compound compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is equal to or greater than 10% of that of the nearest internal standard. Quantitation provided is an estimate.

Reviewed by:

SGS

Results for Semivolatiles by GCMS 625

Client Sample ID: UST45/S941-MW19
Client Project ID: NV015
Lab Sample ID: G650-71-12G
Lab Project ID: G650-71

Analyzed By: EAW
Date Collected: 8/7/2006 15:58
Date Received: 8/9/2006
Date Extracted: 8/14/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Acenaphthene	BQL	10.0	1	8/23/2006
Acenaphthylene	BQL	10.0	1	8/23/2006
Anthracene	BQL	10.0	1	8/23/2006
Benzo[a]anthracene	BQL	10.0	1	8/23/2006
Benzo[a]pyrene	BQL	10.0	1	8/23/2006
Benzo[b]fluoranthene	BQL	10.0	1	8/23/2006
Benzo[g,h,i]perylene	BQL	10.0	1	8/23/2006
Benzo[k]fluoranthene	BQL	10.0	1	8/23/2006
Bis(2-chloroethoxy)methane	BQL	10.0	1	8/23/2006
Bis(2-chloroethyl)ether	BQL	10.0	1	8/23/2006
Bis(2-chloroisopropyl)ether	BQL	10.0	1	8/23/2006
Bis(2-ethylhexyl)phthalate	BQL	10.0	1	8/23/2006
4-bromophenyl phenyl ether	BQL	10.0	1	8/23/2006
Butylbenzylphthalate	BQL	10.0	1	8/23/2006
2-Chloronaphthalene	BQL	10.0	1	8/23/2006
2-Chlorophenol	BQL	10.0	1	8/23/2006
4-Chloro-3-methylphenol	BQL	10.0	1	8/23/2006
4-Chlorophenyl phenyl ether	BQL	10.0	1	8/23/2006
Chrysene	BQL	10.0	1	8/23/2006
Dibenzo[a,h]anthracene	BQL	10.0	1	8/23/2006
Di-n-Butylphthalate	BQL	10.0	1	8/23/2006
1,2-Dichlorobenzene	BQL	10.0	1	8/23/2006
1,3-Dichlorobenzene	BQL	10.0	1	8/23/2006
1,4-Dichlorobenzene	BQL	10.0	1	8/23/2006
3,3'-Dichlorobenzidine	BQL	20.0	1	8/23/2006
2,4-Dichlorophenol	BQL	10.0	1	8/23/2006
Diethylphthalate	BQL	10.0	1	8/23/2006
Dimethylphthalate	BQL	10.0	1	8/23/2006
2,4-Dimethylphenol	BQL	10.0	1	8/23/2006
Di-n-octylphthalate	BQL	10.0	1	8/23/2006
4,6-Dinitro-2-methylphenol	BQL	50.0	1	8/23/2006
2,4-Dinitrophenol	BQL	50.0	1	8/23/2006
2,4-Dinitrotoluene	BQL	10.0	1	8/23/2006
2,6-Dinitrotoluene	BQL	10.0	1	8/23/2006
Diphenylamine *	BQL	10.0	1	8/23/2006
Fluoranthene	BQL	10.0	1	8/23/2006
Fluorene	BQL	10.0	1	8/23/2006
Hexachlorobenzene	BQL	10.0	1	8/23/2006
Hexachlorobutadiene	BQL	10.0	1	8/23/2006
Hexachlorocyclopentadiene	BQL	20.0	1	8/23/2006
Hexachloroethane	BQL	10.0	1	8/23/2006
Indeno(1,2,3-c,d)pyrene	BQL	10.0	1	8/23/2006
Isophorone	BQL	10.0	1	8/23/2006
Naphthalene	BQL	10.0	1	8/23/2006

SGS

Results for Semivolatiles
by GCMS 625

Client Sample ID: UST45/S941-MW19
Client Project ID: NV015
Lab Sample ID: G650-71-12G
Lab Project ID: G650-71

Analyzed By: EAW
Date Collected: 8/7/2006 15:58
Date Received: 8/9/2006
Date Extracted: 8/14/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Nitrobenzene	BQL	10.0	1	8/23/2006
2-Nitrophenol	BQL	10.0	1	8/23/2006
4-Nitrophenol	BQL	50.0	1	8/23/2006
N-Nitrosodi-n-propylamine	BQL	10.0	1	8/23/2006
Pentachlorophenol	BQL	50.0	1	8/23/2006
Phenanthrene	BQL	10.0	1	8/23/2006
Phenol	BQL	10.0	1	8/23/2006
Pyrene	BQL	10.0	1	8/23/2006
1,2,4-Trichlorobenzene	BQL	10.0	1	8/23/2006
2,4,6-Trichlorophenol	BQL	10.0	1	8/23/2006

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	6.3	63
2-Fluorophenol	10	9.8	98
Nitrobenzene-d5	10	4.9	49
Phenol-d6	10	11.1	111
2,4,6-Tribromophenol	10	4.7	47
4-Terphenyl-d14	10	10.9	109

Comments:
* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:
BQL = Below Quantitation Limits.

Reviewed By:

SGS

Results of Library Search for Semivolatile Compounds

by GCMS

Client Sample ID: UST45/S941-MW19
Client Project ID: NV015
Lab Sample ID: G650-71-12G
Lab Project ID: G650-71
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: EAW
Date Collected: 8/7/2006 15:58
Date Received: 8/9/2006
Date Extracted: 8/14/2006
Date Analyzed: 8/21/2006
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Unknown	5.29			28.2
2	Unknown	5.28			22
3	Unknown	5.33			17.9
4	Unknown	5.36			12
5	Unknown	5.47			10.8
6	Unknown	5.41			8.71
7	Unknown	5.39			7.18
8	Unknown	5.43			6.48
9					
10					

Comment:

Tentatively Identified Compound (TIC) refers to substances which are not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist.

Quantitation is accomplished by relative peak area of the compound compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is equal to or greater than 10% of that of the nearest internal standard. Quantitation provided is an estimate.

Reviewed by:

SGS

Results for Semivolatiles by GCMS 625

Client Sample ID: UST45/S941-MW20
Client Project ID: NV015
Lab Sample ID: G650-71-13H
Lab Project ID: G650-71

Analyzed By: EAW
Date Collected: 8/7/2006 16:24
Date Received: 8/9/2006
Date Extracted: 8/14/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Acenaphthene	BQL	10.0	1	8/23/2006
Acenaphthylene	BQL	10.0	1	8/23/2006
Anthracene	BQL	10.0	1	8/23/2006
Benzo[a]anthracene	BQL	10.0	1	8/23/2006
Benzo[a]pyrene	BQL	10.0	1	8/23/2006
Benzo[b]fluoranthene	BQL	10.0	1	8/23/2006
Benzo[g,h,i]perylene	BQL	10.0	1	8/23/2006
Benzo[k]fluoranthene	BQL	10.0	1	8/23/2006
Bis(2-chloroethoxy)methane	BQL	10.0	1	8/23/2006
Bis(2-chloroethyl)ether	BQL	10.0	1	8/23/2006
Bis(2-chloroisopropyl)ether	BQL	10.0	1	8/23/2006
Bis(2-ethylhexyl)phthalate	BQL	10.0	1	8/23/2006
4-bromophenyl phenyl ether	BQL	10.0	1	8/23/2006
Butylbenzylphthalate	BQL	10.0	1	8/23/2006
2-Chloronaphthalene	BQL	10.0	1	8/23/2006
2-Chlorophenol	BQL	10.0	1	8/23/2006
4-Chloro-3-methylphenol	BQL	10.0	1	8/23/2006
4-Chlorophenyl phenyl ether	BQL	10.0	1	8/23/2006
Chrysene	BQL	10.0	1	8/23/2006
Dibenzo[a,h]anthracene	BQL	10.0	1	8/23/2006
Di-n-Butylphthalate	BQL	10.0	1	8/23/2006
1,2-Dichlorobenzene	BQL	10.0	1	8/23/2006
1,3-Dichlorobenzene	BQL	10.0	1	8/23/2006
1,4-Dichlorobenzene	BQL	10.0	1	8/23/2006
3,3'-Dichlorobenzidine	BQL	20.0	1	8/23/2006
2,4-Dichlorophenol	BQL	10.0	1	8/23/2006
Diethylphthalate	BQL	10.0	1	8/23/2006
Dimethylphthalate	BQL	10.0	1	8/23/2006
2,4-Dimethylphenol	BQL	10.0	1	8/23/2006
Di-n-octylphthalate	BQL	10.0	1	8/23/2006
4,6-Dinitro-2-methylphenol	BQL	50.0	1	8/23/2006
2,4-Dinitrophenol	BQL	50.0	1	8/23/2006
2,4-Dinitrotoluene	BQL	10.0	1	8/23/2006
2,6-Dinitrotoluene	BQL	10.0	1	8/23/2006
Diphenylamine *	BQL	10.0	1	8/23/2006
Fluoranthene	BQL	10.0	1	8/23/2006
Fluorene	BQL	10.0	1	8/23/2006
Hexachlorobenzene	BQL	10.0	1	8/23/2006
Hexachlorobutadiene	BQL	10.0	1	8/23/2006
Hexachlorocyclopentadiene	BQL	20.0	1	8/23/2006
Hexachloroethane	BQL	10.0	1	8/23/2006
Indeno(1,2,3-c,d)pyrene	BQL	10.0	1	8/23/2006
Isophorone	BQL	10.0	1	8/23/2006
Naphthalene	BQL	10.0	1	8/23/2006

SGS

Results for Semivolatiles
by GCMS 625

Client Sample ID: UST45/S941-MW20
Client Project ID: NV015
Lab Sample ID: G650-71-13H
Lab Project ID: G650-71

Analyzed By: EAW
Date Collected: 8/7/2006 16:24
Date Received: 8/9/2006
Date Extracted: 8/14/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Nitrobenzene	BQL	10.0	1	8/23/2006
2-Nitrophenol	BQL	10.0	1	8/23/2006
4-Nitrophenol	BQL	50.0	1	8/23/2006
N-Nitrosodi-n-propylamine	BQL	10.0	1	8/23/2006
Pentachlorophenol	BQL	50.0	1	8/23/2006
Phenanthrene	BQL	10.0	1	8/23/2006
Phenol	BQL	10.0	1	8/23/2006
Pyrene	BQL	10.0	1	8/23/2006
1,2,4-Trichlorobenzene	BQL	10.0	1	8/23/2006
2,4,6-Trichlorophenol	BQL	10.0	1	8/23/2006

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	5.5	55
2-Fluorophenol	10	5.5	55
Nitrobenzene-d5	10	6.3	63
Phenol-d6	10	6.7	67
2,4,6-Tribromophenol	10	4.2	42
4-Terphenyl-d14	10	11	110

Comments:
* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:
BQL = Below Quantitation Limits.

Reviewed By:

SGS

Results of Library Search for Semivolatile Compounds

by GCMS

Client Sample ID: UST45/S941-MW20
Client Project ID: NV015
Lab Sample ID: G650-71-13H
Lab Project ID: G650-71
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: EAW
Date Collected: 8/7/2006 16:24
Date Received: 8/9/2006
Date Extracted: 8/14/2006
Date Analyzed: 8/21/2006
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Unknown	5.09			31.9
2	Unknown	5.13			28.5
3	Unknown	5.30			7.27
4	Unknown	5.42			5.62
5	Unknown	5.44			4.92
6					
7					
8					
9					
10					

Comment:

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Reviewed by:

SGS

List of Reporting Abbreviations
and Data Qualifiers

B = Compound also detected in batch blank

BQL = Below Quantitation Limit (RL or MDL)

DF = Dilution Factor

Dup = Duplicate

D = Detected, but RPD is > 40% between results in dual column method.

E = Estimated concentration, exceeds calibration range.

J = Estimated concentration, below calibration range and above MDL

LCS(D) = Laboratory Control Spike (Duplicate)

MDL = Method Detection Limit

MS(D) = Matrix Spike (Duplicate)

PQL = Practical Quantitation Limit

RL = Reporting Limit

RPD = Relative Percent Difference

mg/kg = milligram per kilogram, ppm, parts per million

ug/kg = micrograms per kilogram, ppb, parts per billion

mg/L = milligram per liter, ppm, parts per million

ug/L = micrograms per liter, ppb, parts per billion

% Rec = Percent Recovery

% soilds = Percent Solids

Special Notes:

1) Metals and mercury samples are digested with a hot block, see the standard operating procedure document for details.

2) Uncertainty for all reported data is less than or equal to 30 percent.

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053842

(1) CLIENT: SOVEREIGN Consulting

CONTACT: Theresa Emerson PHONE NO: (910) 526 3941

PROJECT: NV015 SITE/PWSID#: Bldg 45

REPORTS TO: Chris Murray FAX NO.: (757) 456-5095

INVOICE TO: Chris Murray QUOTE #
405 OAK Mears Crescent Ste 1
Virginia Beach VA 23462 P.O. NUMBER NV015

SGS Reference: G650-71

PAGE 1 OF 2

(2)

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	No CONTAINERS	SAMPLE TYPE (C=COMP G=GRAB)	Preservatives Used	HCl	HNO3	None								REMARKS
							Analysis Required (3)	602	Pb (Lead) 1080C 51/416	625 + TICs								
1	UST45/5941-MW02R	8/8/06	1040	W	5			X	X	X								
2	UST45/5941-MW03R	8/8/06	0953	W	5			X	X	X								
3	UST45/5941-PW01R	8/8/06	1010	W	5			X	X	X								
4	UST45/5941-MW05	8/7/06	1245	W	5			X	X	X								
5	UST45/5941-MW07	8/7/06	1545	W	5			X	X	X								
6	UST45/5941-MW08	8/7/06	1520	W	5			X	X	X								
7	UST45/5941-MW12	8/8/06	1215	W	5			X	X	X								
8	UST45/5941-MW13	8/8/06	1310	W	5			X	X	X								
9	UST45/5941-MW15	8/8/06	1405	W	5			X	X	X								
10	UST45/5941-MW17	8/7/06	1315	W	5			X	X	X								

(5)

Collected/Relinquished By:(1)	Date	Time	Received By:
	1530 8/8/06		
Relinquished By: (2)	Date 8/9/06	Time 1000	Received By: Amy DeLaney
Relinquished By: (3)	Date	Time	Received By:
Relinquished By: (4)	Date	Time	Received By:

(4)

Shipping Carrier: FEDEX

Shipping Ticket No:

Samples Received Cold? (Circle) YES NO

Temperature °C: 3.8, 4.1, 3.5°C

Special Deliverable Requirements: EDD Format

Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT

Requested Turnaround Time and Special Instructions:

Email Results "EDD Format" to:
NHALL@sovcon.com / cmurray@sovcon.com

STANDARD TURNAROUND

SGS

CHAIN OF CUSTODY RECORD
SGS Environmental Services Inc.

Locations Nationwide
- Alaska
- Hawaii
- Louisiana
- Maryland
- New Jersey
- North Carolina
- West Virginia

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053843

(1)

CLIENT: SOVEREIGN Consulting

CONTACT: Theresa Ellington PHONE NO: (910) 526 3941

PROJECT: NV015 SITE/PWSID#: Bldg 45

REPORTS TO: Chris Murray FAX NO.: (757) 456-5095

INVOICE TO: Chris Murray QUOTE #

P.O. NUMBER NV015

SGS Reference: G650-71

PAGE 2 OF 2

(2)

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	No CONTAINERS	SAMPLE TYPE (C=COMP G=GRAB)	Preservatives Used	Analysis Required (3)	REMARKS
	UST45/5941-MW18	8/8/06	1155	W	5		HCl / HNO3 / None	8021 / Pb (Lead) 3010 or 7421 / 625 + TICs	
	UST45/5941-MW19	8/7/06	1558	W	5				
	UST45/5941-MW20	8/7/06	1624	W	5				
	TRIP BLANK	8/8/06	LAB	W	1				

(5)

Collected/Relinquished By:(1)	Date 8/8/06	Time 1530	Received By:
Relinquished By: (2)	Date 8/9/06	Time 1000	Received By: Amy DiLaney
Relinquished By: (3)	Date	Time	Received By:
Relinquished By: (4)	Date	Time	Received By:

(4)

Shipping Carrier: FedEx

Shipping Ticket No:

Samples Received Cold? (Circle) YES NO

Temperature °C: 3.0, 4.8, 3.5°C

Special Deliverable Requirements: EDD Format

Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT

Requested Turnaround Time and Special Instructions:

Email Results "EDD Format" to nhall@sovcon.com cmurray@sovcon.com

STANDARD TURNAROUND

200 W. Potter Dr. Anchorage, AK 99518 Tel: (907) 562-2343 Fax: (907) 561-5301
5500 Business Drive Wilmington, NC 28405 Tel: (910) 350-1903 Fax: (910) 350-1557
1258 Greenbrier Street Charleston, WV 25311 Tel: (304) 346-0725 Fax: (304) 346-0761

White - Retained by Lab

SGS

Mr. Chris Murray
Sovereign Consulting
405 Oakmears Crescent
Suite 1
Virginia Beach VA 23462
Report Number: G650-72

Client Project: NV015

Dear Mr. Murray:

Enclosed are the results of the analytical services performed under the referenced project. The samples are certified to meet the requirements of the National Environmental Laboratory Accreditation Conference Standards. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or the services performed during this project, please call SGS/Paradigm at (910) 350-1903. We will be happy to answer any questions or concerns which you may have.

Thank you for using SGS/Paradigm Analytical Labs for your analytical services. We look forward to working with you again on any additional analytical needs which you may have.

Sincerely,
SGS/Paradigm Analytical Laboratories, Inc.

9/8/2006

Laboratory Director — Date
J. Patrick Weaver

SGS

Results for Volatiles
by GC 602

Client Sample ID: UST45/S941-MW04
Client Project ID: NV015
Lab Sample ID: G650-72-1A
Lab Project ID: G650-72

Analyzed By: CLP
Date Collected: 8/9/2006 12:58
Date Received: 8/10/2006
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	8/16/2006
Diisopropyl ether (DIPE)	BQL	1.00	1	8/16/2006
Ethylbenzene	BQL	1.00	1	8/16/2006
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	8/16/2006
Toluene	BQL	1.00	1	8/16/2006
m/p-Xylene	BQL	2.00	1	8/16/2006
o-Xylene	BQL	2.00	1	8/16/2006

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	42.0	105

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By:

SGS

Results for Volatiles
by GC 602

Client Sample ID: UST45/S941-MW06
Client Project ID: NV015
Lab Sample ID: G650-72-2A
Lab Project ID: G650-72

Analyzed By: CLP
Date Collected: 8/9/2006 15:20
Date Received: 8/10/2006
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	8/16/2006
Diisopropyl ether (DIPE)	BQL	1.00	1	8/16/2006
Ethylbenzene	BQL	1.00	1	8/16/2006
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	8/16/2006
Toluene	BQL	1.00	1	8/16/2006
m/p-Xylene	BQL	2.00	1	8/16/2006
o-Xylene	BQL	2.00	1	8/16/2006

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	41.9	105

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By:

SGS

Results for Volatiles
by GC 602

Client Sample ID: UST45/S941-MW-09
Client Project ID: NV015
Lab Sample ID: G650-72-3A
Lab Project ID: G650-72

Analyzed By: CLP
Date Collected: 8/9/2006 13:55
Date Received: 8/10/2006
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	**6.16**	1.00	1	8/16/2006
Diisopropyl ether (DIPE)	BQL	1.00	1	8/16/2006
Ethylbenzene	BQL	1.00	1	8/16/2006
Methyl-tert butyl ether (MTBE)	**5.06**	2.00	1	8/16/2006
Toluene	BQL	1.00	1	8/16/2006
m/p-Xylene	BQL	2.00	1	8/16/2006
o-Xylene	BQL	2.00	1	8/16/2006

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	41.6	104

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By:

SGS

Results for Volatiles
by GC 602

Client Sample ID: UST45/S941-MW14
Client Project ID: NV015
Lab Sample ID: G650-72-4A
Lab Project ID: G650-72

Analyzed By: CLP
Date Collected: 8/9/2006 8:50
Date Received: 8/10/2006
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	8/16/2006
Diisopropyl ether (DIPE)	BQL	1.00	1	8/16/2006
Ethylbenzene	BQL	1.00	1	8/16/2006
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	8/16/2006
Toluene	BQL	1.00	1	8/16/2006
m/p-Xylene	BQL	2.00	1	8/16/2006
o-Xylene	BQL	2.00	1	8/16/2006

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	41.8	104

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By:

SGS

Results for Volatiles

by GC 602

Client Sample ID: UST45/S941-MW21
Client Project ID: NV015
Lab Sample ID: G650-72-5A
Lab Project ID: G650-72

Analyzed By: CLP
Date Collected: 8/9/2006 10:05
Date Received: 8/10/2006
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	8/16/2006
Diisopropyl ether (DIPE)	BQL	1.00	1	8/16/2006
Ethylbenzene	BQL	1.00	1	8/16/2006
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	8/16/2006
Toluene	BQL	1.00	1	8/16/2006
m/p-Xylene	BQL	2.00	1	8/16/2006
o-Xylene	BQL	2.00	1	8/16/2006

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	42.1	105

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By:

SGS

Results for Volatiles
by GC 602

Client Sample ID: UST45/S941-MW01/45
Client Project ID: NV015
Lab Sample ID: G650-72-6A
Lab Project ID: G650-72

Analyzed By: CLP
Date Collected: 8/9/2006 11:55
Date Received: 8/10/2006
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	8/16/2006
Diisopropyl ether (DIPE)	BQL	1.00	1	8/16/2006
Ethylbenzene	BQL	1.00	1	8/16/2006
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	8/16/2006
Toluene	BQL	1.00	1	8/16/2006
m/p-Xylene	BQL	2.00	1	8/16/2006
o-Xylene	BQL	2.00	1	8/16/2006

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	41.6	104

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By:

SGS

Results for Volatiles
by GC 602

Client Sample ID: UST45/S941-MW04/45
Client Project ID: NV015
Lab Sample ID: G650-72-7A
Lab Project ID: G650-72

Analyzed By: CLP
Date Collected: 8/9/2006 10:55
Date Received: 8/10/2006
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	8/16/2006
Diisopropyl ether (DIPE)	BQL	1.00	1	8/16/2006
Ethylbenzene	BQL	1.00	1	8/16/2006
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	8/16/2006
Toluene	BQL	1.00	1	8/16/2006
m/p-Xylene	BQL	2.00	1	8/16/2006
o-Xylene	BQL	2.00	1	8/16/2006

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	42.0	105

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By:

SGS

Results for Volatiles

by GC 602

Client Sample ID: UST45/S941-Duplicate
Client Project ID: NV015
Lab Sample ID: G650-72-8A
Lab Project ID: G650-72

Analyzed By: CLP
Date Collected: 8/9/2006 0:00
Date Received: 8/10/2006
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	**6.17**	1.00	1	8/16/2006
Diisopropyl ether (DIPE)	BQL	1.00	1	8/16/2006
Ethylbenzene	BQL	1.00	1	8/16/2006
Methyl-tert butyl ether (MTBE)	**5.13**	2.00	1	8/16/2006
Toluene	BQL	1.00	1	8/16/2006
m/p-Xylene	BQL	2.00	1	8/16/2006
o-Xylene	BQL	2.00	1	8/16/2006

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	41.6	104

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By:

SGS

Results for Volatiles
by GC 602

Client Sample ID: TRIP BLANK
Client Project ID: NV015
Lab Sample ID: G650-72-9A
Lab Project ID: G650-72

Analyzed By: CLP
Date Collected: 8/9/2006 0:00
Date Received: 8/10/2006
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	8/16/2006
Diisopropyl ether (DIPE)	BQL	1.00	1	8/16/2006
Ethylbenzene	BQL	1.00	1	8/16/2006
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	8/16/2006
Toluene	BQL	1.00	1	8/16/2006
m/p-Xylene	BQL	2.00	1	8/16/2006
o-Xylene	BQL	2.00	1	8/16/2006

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	42.0	105

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By:

SGS

Results for Metals

Client Sample ID:	UST45/S941-MW04	Analyzed By:	PSW
Client Project ID:	NV015	Date Collected:	8/9/06 12:58
Lab Sample ID:	G650-72-1	Date Received:	8/10/06
Lab Project ID:	G650-72	Matrix:	WATER
Batch ID:	5949		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Lead	BQL	0.00500	25	MG/L	6020	8/17/06

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL
Samples Prepared by 3030C

Reviewed By:
MET_LIMS_4.1

SGS

Results for Metals

Client Sample ID:	UST45/S941-MW06	Analyzed By:	PSW
Client Project ID:	NV015	Date Collected:	8/9/06 15:20
Lab Sample ID:	G650-72-2	Date Received:	8/10/06
Lab Project ID:	G650-72	Matrix:	WATER
Batch ID:	5949		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Lead	BQL	0.00500	25	MG/L	6020	8/17/06

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL
Samples Prepared by 3030C

Reviewed By:
MET_LIMS_4.1

SGS

Results for Metals

Client Sample ID:	UST45/S941-MW-09	Analyzed By:	PSW
Client Project ID:	NV015	Date Collected:	8/9/06 13:55
Lab Sample ID:	G650-72-3	Date Received:	8/10/06
Lab Project ID:	G650-72	Matrix:	WATER
Batch ID:	5949		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Lead	BQL	0.00500	25	MG/L	6020	8/17/06

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL
Samples Prepared by 3030C

Reviewed By:
MET_LIMS_4.1

SGS

Results for Metals

Client Sample ID:	UST45/S941-MW14	Analyzed By:	PSW
Client Project ID:	NV015	Date Collected:	8/9/06 8:50
Lab Sample ID:	G650-72-4	Date Received:	8/10/06
Lab Project ID:	G650-72	Matrix:	WATER
Batch ID:	5949		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Lead	BQL	0.00500	25	MG/L	6020	8/17/06

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL
Samples Prepared by 3030C

Reviewed By:
MET_LIMS_4.1

SGS

Results for Metals

Client Sample ID:	UST45/S941-MW21	Analyzed By:	PSW
Client Project ID:	NV015	Date Collected:	8/9/06 10:05
Lab Sample ID:	G650-72-5	Date Received:	8/10/06
Lab Project ID:	G650-72	Matrix:	WATER
Batch ID:	5949		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Lead	BQL	0.00500	25	MG/L	6020	8/17/06

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL
Samples Prepared by 3030C

Reviewed By:
MET_LIMS_4.1

SGS

Results for Metals

Client Sample ID:	UST45/S941-MW01/45	Analyzed By:	PSW
Client Project ID:	NV015	Date Collected:	8/9/06 11:55
Lab Sample ID:	G650-72-6	Date Received:	8/10/06
Lab Project ID:	G650-72	Matrix:	WATER
Batch ID:	5949		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Lead	BQL	0.00500	25	MG/L	6020	8/17/06

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL
Samples Prepared by 3030C

Reviewed By:
MET_LIMS_4.1

SGS

Results for Metals

Client Sample ID:	UST45/S941-MW04/45	Analyzed By:	PSW
Client Project ID:	NV015	Date Collected:	8/9/06 10:55
Lab Sample ID:	G650-72-7	Date Received:	8/10/06
Lab Project ID:	G650-72	Matrix:	WATER
Batch ID:	5949		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Lead	BQL	0.00500	25	MG/L	6020	8/17/06

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL
Samples Prepared by 3030C

Reviewed By:
MET_LIMS_4.1

SGS

Results for Metals

Client Sample ID:	UST45/S941-Duplicate	Analyzed By:	PSW
Client Project ID:	NV015	Date Collected:	8/9/06 0:00
Lab Sample ID:	G650-72-8	Date Received:	8/10/06
Lab Project ID:	G650-72	Matrix:	WATER
Batch ID:	5949		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Lead	BQL	0.00500	25	MG/L	6020	8/17/06

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL
Samples Prepared by 3030C

Reviewed By:

MET_LIMS_4.1

SGS

Results for Semivolatiles by GCMS 625

Client Sample ID: UST45/S941-MW04
Client Project ID: NV015
Lab Sample ID: G650-72-1G
Lab Project ID: G650-72

Analyzed By: EAW
Date Collected: 8/9/2006 12:58
Date Received: 8/10/2006
Date Extracted: 8/16/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Acenaphthene	BQL	10.0	1	8/25/2006
Acenaphthylene	BQL	10.0	1	8/25/2006
Anthracene	BQL	10.0	1	8/25/2006
Benzo[a]anthracene	BQL	10.0	1	8/25/2006
Benzo[a]pyrene	BQL	10.0	1	8/25/2006
Benzo[b]fluoranthene	BQL	10.0	1	8/25/2006
Benzo[g,h,i]perylene	BQL	10.0	1	8/25/2006
Benzo[k]fluoranthene	BQL	10.0	1	8/25/2006
Bis(2-chloroethoxy)methane	BQL	10.0	1	8/25/2006
Bis(2-chloroethyl)ether	BQL	10.0	1	8/25/2006
Bis(2-chloroisopropyl)ether	BQL	10.0	1	8/25/2006
Bis(2-ethylhexyl)phthalate	BQL	10.0	1	8/25/2006
4-bromophenyl phenyl ether	BQL	10.0	1	8/25/2006
Butylbenzylphthalate	BQL	10.0	1	8/25/2006
2-Chloronaphthalene	BQL	10.0	1	8/25/2006
2-Chlorophenol	BQL	10.0	1	8/25/2006
4-Chloro-3-methylphenol	BQL	10.0	1	8/25/2006
4-Chlorophenyl phenyl ether	BQL	10.0	1	8/25/2006
Chrysene	BQL	10.0	1	8/25/2006
Dibenzo[a,h]anthracene	BQL	10.0	1	8/25/2006
Di-n-Butylphthalate	BQL	10.0	1	8/25/2006
1,2-Dichlorobenzene	BQL	10.0	1	8/25/2006
1,3-Dichlorobenzene	BQL	10.0	1	8/25/2006
1,4-Dichlorobenzene	BQL	10.0	1	8/25/2006
3,3'-Dichlorobenzidine	BQL	20.0	1	8/25/2006
2,4-Dichlorophenol	BQL	10.0	1	8/25/2006
Diethylphthalate	BQL	10.0	1	8/25/2006
Dimethylphthalate	BQL	10.0	1	8/25/2006
2,4-Dimethylphenol	BQL	10.0	1	8/25/2006
Di-n-octylphthalate	BQL	10.0	1	8/25/2006
4,6-Dinitro-2-methylphenol	BQL	50.0	1	8/25/2006
2,4-Dinitrophenol	BQL	50.0	1	8/25/2006
2,4-Dinitrotoluene	BQL	10.0	1	8/25/2006
2,6-Dinitrotoluene	BQL	10.0	1	8/25/2006
Diphenylamine *	BQL	10.0	1	8/25/2006
Fluoranthene	BQL	10.0	1	8/25/2006
Fluorene	BQL	10.0	1	8/25/2006
Hexachlorobenzene	BQL	10.0	1	8/25/2006
Hexachlorobutadiene	BQL	10.0	1	8/25/2006
Hexachlorocyclopentadiene	BQL	20.0	1	8/25/2006
Hexachloroethane	BQL	10.0	1	8/25/2006
Indeno(1,2,3-c,d)pyrene	BQL	10.0	1	8/25/2006
Isophorone	BQL	10.0	1	8/25/2006
Naphthalene	BQL	10.0	1	8/25/2006

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Results for Semivolatiles
by GCMS 625

Client Sample ID: UST45/S941-MW04
Client Project ID: NV015
Lab Sample ID: G650-72-1G
Lab Project ID: G650-72

Analyzed By: EAW
Date Collected: 8/9/2006 12:58
Date Received: 8/10/2006
Date Extracted: 8/16/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Nitrobenzene	BQL	10.0	1	8/25/2006
2-Nitrophenol	BQL	10.0	1	8/25/2006
4-Nitrophenol	BQL	50.0	1	8/25/2006
N-Nitrosodi-n-propylamine	BQL	10.0	1	8/25/2006
Pentachlorophenol	BQL	50.0	1	8/25/2006
Phenanthrene	BQL	10.0	1	8/25/2006
Phenol	BQL	10.0	1	8/25/2006
Pyrene	BQL	10.0	1	8/25/2006
1,2,4-Trichlorobenzene	BQL	10.0	1	8/25/2006
2,4,6-Trichlorophenol	BQL	10.0	1	8/25/2006

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7	70
2-Fluorophenol	10	7.6	76
Nitrobenzene-d5	10	7.5	75
Phenol-d6	10	7.4	74
2,4,6-Tribromophenol	10	7.9	79
4-Terphenyl-d14	10	10.1	101

Comments:

* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:

BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By:

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SGS

Results of Library Search for Semivolatile Compounds

by GCMS

Client Sample ID: UST45/S941-MW04
Client Project ID: NV015
Lab Sample ID: G650-72-1G
Lab Project ID: G650-72
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: EAW
Date Collected: 8/9/2006 12:58
Date Received: 8/10/2006
Date Extracted: 8/16/2006
Date Analyzed: 8/25/2006
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Unknown	4.89			25.3
2	Unknown	6.22			7.72
3	Unknown	5.10			5.42
4					
5					
6					
7					
8					
9					
10					

Comment:

Tentatively Identified Compound (TIC) refers to substances which are not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist.

Quantitation is accomplished by relative peak area of the compound compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is equal to or greater than 10% of that of the nearest internal standard. Quantitation provided is an estimate.

Reviewed by:

SGS

Results for Semivolatiles by GCMS 625

Client Sample ID: UST45/S941-MW06
Client Project ID: NV015
Lab Sample ID: G650-72-2G
Lab Project ID: G650-72

Analyzed By: EAW
Date Collected: 8/9/2006 15:20
Date Received: 8/10/2006
Date Extracted: 8/16/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Acenaphthene	BQL	10.0	1	8/25/2006
Acenaphthylene	BQL	10.0	1	8/25/2006
Anthracene	BQL	10.0	1	8/25/2006
Benzo[a]anthracene	BQL	10.0	1	8/25/2006
Benzo[a]pyrene	BQL	10.0	1	8/25/2006
Benzo[b]fluoranthene	BQL	10.0	1	8/25/2006
Benzo[g,h,i]perylene	BQL	10.0	1	8/25/2006
Benzo[k]fluoranthene	BQL	10.0	1	8/25/2006
Bis(2-chloroethoxy)methane	BQL	10.0	1	8/25/2006
Bis(2-chloroethyl)ether	BQL	10.0	1	8/25/2006
Bis(2-chloroisopropyl)ether	BQL	10.0	1	8/25/2006
Bis(2-ethylhexyl)phthalate	BQL	10.0	1	8/25/2006
4-bromophenyl phenyl ether	BQL	10.0	1	8/25/2006
Butylbenzylphthalate	BQL	10.0	1	8/25/2006
2-Chloronaphthalene	BQL	10.0	1	8/25/2006
2-Chlorophenol	BQL	10.0	1	8/25/2006
4-Chloro-3-methylphenol	BQL	10.0	1	8/25/2006
4-Chlorophenyl phenyl ether	BQL	10.0	1	8/25/2006
Chrysene	BQL	10.0	1	8/25/2006
Dibenzo[a,h]anthracene	BQL	10.0	1	8/25/2006
Di-n-Butylphthalate	BQL	10.0	1	8/25/2006
1,2-Dichlorobenzene	BQL	10.0	1	8/25/2006
1,3-Dichlorobenzene	BQL	10.0	1	8/25/2006
1,4-Dichlorobenzene	BQL	10.0	1	8/25/2006
3,3'-Dichlorobenzidine	BQL	20.0	1	8/25/2006
2,4-Dichlorophenol	BQL	10.0	1	8/25/2006
Diethylphthalate	BQL	10.0	1	8/25/2006
Dimethylphthalate	BQL	10.0	1	8/25/2006
2,4-Dimethylphenol	BQL	10.0	1	8/25/2006
Di-n-octylphthalate	BQL	10.0	1	8/25/2006
4,6-Dinitro-2-methylphenol	BQL	50.0	1	8/25/2006
2,4-Dinitrophenol	BQL	50.0	1	8/25/2006
2,4-Dinitrotoluene	BQL	10.0	1	8/25/2006
2,6-Dinitrotoluene	BQL	10.0	1	8/25/2006
Diphenylamine *	BQL	10.0	1	8/25/2006
Fluoranthene	BQL	10.0	1	8/25/2006
Fluorene	BQL	10.0	1	8/25/2006
Hexachlorobenzene	BQL	10.0	1	8/25/2006
Hexachlorobutadiene	BQL	10.0	1	8/25/2006
Hexachlorocyclopentadiene	BQL	20.0	1	8/25/2006
Hexachloroethane	BQL	10.0	1	8/25/2006
Indeno(1,2,3-c,d)pyrene	BQL	10.0	1	8/25/2006
Isophorone	BQL	10.0	1	8/25/2006
Naphthalene	BQL	10.0	1	8/25/2006

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Results for Semivolatiles
by GCMS 625

Client Sample ID: UST45/S941-MW06
Client Project ID: NV015
Lab Sample ID: G650-72-2G
Lab Project ID: G650-72

Analyzed By: EAW
Date Collected: 8/9/2006 15:20
Date Received: 8/10/2006
Date Extracted: 8/16/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Nitrobenzene	BQL	10.0	1	8/25/2006
2-Nitrophenol	BQL	10.0	1	8/25/2006
4-Nitrophenol	BQL	50.0	1	8/25/2006
N-Nitrosodi-n-propylamine	BQL	10.0	1	8/25/2006
Pentachlorophenol	BQL	50.0	1	8/25/2006
Phenanthrene	BQL	10.0	1	8/25/2006
Phenol	BQL	10.0	1	8/25/2006
Pyrene	BQL	10.0	1	8/25/2006
1,2,4-Trichlorobenzene	BQL	10.0	1	8/25/2006
2,4,6-Trichlorophenol	BQL	10.0	1	8/25/2006

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.3	73
2-Fluorophenol	10	7.7	77
Nitrobenzene-d5	10	7.7	77
Phenol-d6	10	7.3	73
2,4,6-Tribromophenol	10	7.1	71
4-Terphenyl-d14	10	11.1	111

Comments:
* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:
BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By:

8270_LIMS_V1.99

SGS

Results of Library Search for Semivolatile Compounds

by GCMS

Client Sample ID: UST45/S941-MW06
Client Project ID: NV015
Lab Sample ID: G650-72-2G
Lab Project ID: G650-72
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: EAW
Date Collected: 8/9/2006 15:20
Date Received: 8/10/2006
Date Extracted: 8/16/2006
Date Analyzed: 8/25/2006
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Unknown	4.89			31.7
2	Unknown	6.21			7.52
3					
4					
5					
6					
7					
8					
9					
10					

Comment:

Tentatively Identified Compound (TIC) refers to substances which are not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist.

Quantitation is accomplished by relative peak area of the compound compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is equal to or greater than 10% of that of the nearest internal standard. Quantitation provided is an estimate.

Reviewed by:

SGS

Results for Semivolatiles
by GCMS 625

Client Sample ID: UST45/S941-MW-09
Client Project ID: NV015
Lab Sample ID: G650-72-3G
Lab Project ID: G650-72

Analyzed By: EAW
Date Collected: 8/9/2006 13:55
Date Received: 8/10/2006
Date Extracted: 8/16/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Acenaphthene	BQL	10.0	1	8/25/2006
Acenaphthylene	BQL	10.0	1	8/25/2006
Anthracene	BQL	10.0	1	8/25/2006
Benzo[a]anthracene	BQL	10.0	1	8/25/2006
Benzo[a]pyrene	BQL	10.0	1	8/25/2006
Benzo[b]fluoranthene	BQL	10.0	1	8/25/2006
Benzo[g,h,i]perylene	BQL	10.0	1	8/25/2006
Benzo[k]fluoranthene	BQL	10.0	1	8/25/2006
Bis(2-chloroethoxy)methane	BQL	10.0	1	8/25/2006
Bis(2-chloroethyl)ether	BQL	10.0	1	8/25/2006
Bis(2-chloroisopropyl)ether	BQL	10.0	1	8/25/2006
Bis(2-ethylhexyl)phthalate	BQL	10.0	1	8/25/2006
4-bromophenyl phenyl ether	BQL	10.0	1	8/25/2006
Butylbenzylphthalate	BQL	10.0	1	8/25/2006
2-Chloronaphthalene	BQL	10.0	1	8/25/2006
2-Chlorophenol	BQL	10.0	1	8/25/2006
4-Chloro-3-methylphenol	BQL	10.0	1	8/25/2006
4-Chlorophenyl phenyl ether	BQL	10.0	1	8/25/2006
Chrysene	BQL	10.0	1	8/25/2006
Dibenzo[a,h]anthracene	BQL	10.0	1	8/25/2006
Di-n-Butylphthalate	BQL	10.0	1	8/25/2006
1,2-Dichlorobenzene	BQL	10.0	1	8/25/2006
1,3-Dichlorobenzene	BQL	10.0	1	8/25/2006
1,4-Dichlorobenzene	BQL	10.0	1	8/25/2006
3,3'-Dichlorobenzidine	BQL	20.0	1	8/25/2006
2,4-Dichlorophenol	BQL	10.0	1	8/25/2006
Diethylphthalate	BQL	10.0	1	8/25/2006
Dimethylphthalate	BQL	10.0	1	8/25/2006
2,4-Dimethylphenol	BQL	10.0	1	8/25/2006
Di-n-octylphthalate	BQL	10.0	1	8/25/2006
4,6-Dinitro-2-methylphenol	BQL	50.0	1	8/25/2006
2,4-Dinitrophenol	BQL	50.0	1	8/25/2006
2,4-Dinitrotoluene	BQL	10.0	1	8/25/2006
2,6-Dinitrotoluene	BQL	10.0	1	8/25/2006
Diphenylamine *	BQL	10.0	1	8/25/2006
Fluoranthene	BQL	10.0	1	8/25/2006
Fluorene	BQL	10.0	1	8/25/2006
Hexachlorobenzene	BQL	10.0	1	8/25/2006
Hexachlorobutadiene	BQL	10.0	1	8/25/2006
Hexachlorocyclopentadiene	BQL	20.0	1	8/25/2006
Hexachloroethane	BQL	10.0	1	8/25/2006
Indeno(1,2,3-c,d)pyrene	BQL	10.0	1	8/25/2006
Isophorone	BQL	10.0	1	8/25/2006
Naphthalene	BQL	10.0	1	8/25/2006

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SGS

Results for Semivolatiles
by GCMS 625

Client Sample ID: UST45/S941-MW-09
Client Project ID: NV015
Lab Sample ID: G650-72-3G
Lab Project ID: G650-72

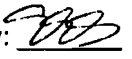
Analyzed By: EAW
Date Collected: 8/9/2006 13:55
Date Received: 8/10/2006
Date Extracted: 8/16/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Nitrobenzene	BQL	10.0	1	8/25/2006
2-Nitrophenol	BQL	10.0	1	8/25/2006
4-Nitrophenol	BQL	50.0	1	8/25/2006
N-Nitrosodi-n-propylamine	BQL	10.0	1	8/25/2006
Pentachlorophenol	BQL	50.0	1	8/25/2006
Phenanthrene	BQL	10.0	1	8/25/2006
Phenol	BQL	10.0	1	8/25/2006
Pyrene	BQL	10.0	1	8/25/2006
1,2,4-Trichlorobenzene	BQL	10.0	1	8/25/2006
2,4,6-Trichlorophenol	BQL	10.0	1	8/25/2006

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	6.8	68
2-Fluorophenol	10	7.5	75
Nitrobenzene-d5	10	7.3	73
Phenol-d6	10	7.2	72
2,4,6-Tribromophenol	10	8.1	81
4-Terphenyl-d14	10	9.9	99

Comments:
* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:
BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By: 

8270_LIMS_V1.99

SGS

Results of Library Search for Semivolatile Compounds

by GCMS

Client Sample ID: UST45/S941-MW-09
Client Project ID: NV015
Lab Sample ID: G650-72-3G
Lab Project ID: G650-72
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: EAW
Date Collected: 8/9/2006 13:55
Date Received: 8/10/2006
Date Extracted: 8/16/2006
Date Analyzed: 8/25/2006
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Unknown	4.89			23.2
2					
3					
4					
5					
6					
7					
8					
9					
10					

Comment:

Tentatively Identified Compound (TIC) refers to substances which are not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist.

Quantitation is accomplished by relative peak area of the compound compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is equal to or greater than 10% of that of the nearest internal standard. Quantitation provided is an estimate.

Reviewed by:

SGS

Results for Semivolatiles by GCMS 625

Client Sample ID: UST45/S941-MW14
Client Project ID: NV015
Lab Sample ID: G650-72-4G
Lab Project ID: G650-72

Analyzed By: EAW
Date Collected: 8/9/2006 8:50
Date Received: 8/10/2006
Date Extracted: 8/16/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Acenaphthene	BQL	10.0	1	8/25/2006
Acenaphthylene	BQL	10.0	1	8/25/2006
Anthracene	BQL	10.0	1	8/25/2006
Benzo[a]anthracene	BQL	10.0	1	8/25/2006
Benzo[a]pyrene	BQL	10.0	1	8/25/2006
Benzo[b]fluoranthene	BQL	10.0	1	8/25/2006
Benzo[g,h,i]perylene	BQL	10.0	1	8/25/2006
Benzo[k]fluoranthene	BQL	10.0	1	8/25/2006
Bis(2-chloroethoxy)methane	BQL	10.0	1	8/25/2006
Bis(2-chloroethyl)ether	BQL	10.0	1	8/25/2006
Bis(2-chloroisopropyl)ether	BQL	10.0	1	8/25/2006
Bis(2-ethylhexyl)phthalate	BQL	10.0	1	8/25/2006
4-bromophenyl phenyl ether	BQL	10.0	1	8/25/2006
Butylbenzylphthalate	BQL	10.0	1	8/25/2006
2-Chloronaphthalene	BQL	10.0	1	8/25/2006
2-Chlorophenol	BQL	10.0	1	8/25/2006
4-Chloro-3-methylphenol	BQL	10.0	1	8/25/2006
4-Chlorophenyl phenyl ether	BQL	10.0	1	8/25/2006
Chrysene	BQL	10.0	1	8/25/2006
Dibenzo[a,h]anthracene	BQL	10.0	1	8/25/2006
Di-n-Butylphthalate	BQL	10.0	1	8/25/2006
1,2-Dichlorobenzene	BQL	10.0	1	8/25/2006
1,3-Dichlorobenzene	BQL	10.0	1	8/25/2006
1,4-Dichlorobenzene	BQL	10.0	1	8/25/2006
3,3'-Dichlorobenzidine	BQL	20.0	1	8/25/2006
2,4-Dichlorophenol	BQL	10.0	1	8/25/2006
Diethylphthalate	BQL	10.0	1	8/25/2006
Dimethylphthalate	BQL	10.0	1	8/25/2006
2,4-Dimethylphenol	BQL	10.0	1	8/25/2006
Di-n-octylphthalate	BQL	10.0	1	8/25/2006
4,6-Dinitro-2-methylphenol	BQL	50.0	1	8/25/2006
2,4-Dinitrophenol	BQL	50.0	1	8/25/2006
2,4-Dinitrotoluene	BQL	10.0	1	8/25/2006
2,6-Dinitrotoluene	BQL	10.0	1	8/25/2006
Diphenylamine *	BQL	10.0	1	8/25/2006
Fluoranthene	BQL	10.0	1	8/25/2006
Fluorene	BQL	10.0	1	8/25/2006
Hexachlorobenzene	BQL	10.0	1	8/25/2006
Hexachlorobutadiene	BQL	10.0	1	8/25/2006
Hexachlorocyclopentadiene	BQL	20.0	1	8/25/2006
Hexachloroethane	BQL	10.0	1	8/25/2006
Indeno(1,2,3-c,d)pyrene	BQL	10.0	1	8/25/2006
Isophorone	BQL	10.0	1	8/25/2006
Naphthalene	BQL	10.0	1	8/25/2006
Nitrobenzene	BQL	10.0	1	8/25/2006
2-Nitrophenol	BQL	10.0	1	8/25/2006
4-Nitrophenol	BQL	50.0	1	8/25/2006
N-Nitrosodi-n-propylamine	BQL	10.0	1	8/25/2006

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SGS

Results for Semivolatiles
by GCMS 625

Client Sample ID: UST45/S941-MW14
Client Project ID: NV015
Lab Sample ID: G650-72-4G
Lab Project ID: G650-72

Analyzed By: EAW
Date Collected: 8/9/2006 8:50
Date Received: 8/10/2006
Date Extracted: 8/16/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Pentachlorophenol	BQL	50.0	1	8/25/2006
Phenanthrene	BQL	10.0	1	8/25/2006
Phenol	BQL	10.0	1	8/25/2006
Pyrene	BQL	10.0	1	8/25/2006
1,2,4-Trichlorobenzene	BQL	10.0	1	8/25/2006
2,4,6-Trichlorophenol	BQL	10.0	1	8/25/2006

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	4.3	43 #
2-Fluorophenol	10	3.7	37
Nitrobenzene-d5	10	4.6	46
Phenol-d6	10	3	30 #
2,4,6-Tribromophenol	10	3.5	35
4-Terphenyl-d14	10	2.4	24

Comments:
* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.
Sample was re-extracted due to low surrogate recovery.

Flags:
BQL = Below Quantitation Limits.
# = Surrogate outside of In-House statistical limits.

Reviewed By:

SGS

Results of Library Search for Semivolatile Compounds

by GCMS

Client Sample ID: UST45/S941-MW14
Client Project ID: NV015
Lab Sample ID: G650-72-4G
Lab Project ID: G650-72
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: EAW
Date Collected: 8/9/2006 8:50
Date Received: 8/10/2006
Date Extracted: 8/16/2006
Date Analyzed: 8/25/2006
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Unknown	4.89			8.15
2					
3					
4					
5					
6					
7					
8					
9					
10					

Comment:

Tentatively Identified Compound (TIC) refers to substances which are not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist.

Quantitation is accomplished by relative peak area of the compound compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is equal to or greater than 10% of that of the nearest internal standard. Quantitation provided is an estimate.

Reviewed by:

SGS

Results for Semivolatiles
by GCMS 625

Client Sample ID: UST45/S941-MW14
Client Project ID: NV015
Lab Sample ID: G650-72-4H
Lab Project ID: G650-72

Analyzed By: EAW
Date Collected: 8/9/2006 8:50
Date Received: 8/10/2006
Date Extracted: 8/29/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Acenaphthene	BQL	12.3	1	9/6/2006
Acenaphthylene	BQL	12.3	1	9/6/2006
Anthracene	BQL	12.3	1	9/6/2006
Benzo[a]anthracene	BQL	12.3	1	9/6/2006
Benzo[a]pyrene	BQL	12.3	1	9/6/2006
Benzo[b]fluoranthene	BQL	12.3	1	9/6/2006
Benzo[g,h,i]perylene	BQL	12.3	1	9/6/2006
Benzo[k]fluoranthene	BQL	12.3	1	9/6/2006
Bis(2-chloroethoxy)methane	BQL	12.3	1	9/6/2006
Bis(2-chloroethyl)ether	BQL	12.3	1	9/6/2006
Bis(2-chloroisopropyl)ether	BQL	12.3	1	9/6/2006
Bis(2-ethylhexyl)phthalate	BQL	12.3	1	9/6/2006
4-bromophenyl phenyl ether	BQL	12.3	1	9/6/2006
Butylbenzylphthalate	BQL	12.3	1	9/6/2006
2-Chloronaphthalene	BQL	12.3	1	9/6/2006
2-Chlorophenol	BQL	12.3	1	9/6/2006
4-Chloro-3-methylphenol	BQL	12.3	1	9/6/2006
4-Chlorophenyl phenyl ether	BQL	12.3	1	9/6/2006
Chrysene	BQL	12.3	1	9/6/2006
Dibenzo[a,h]anthracene	BQL	12.3	1	9/6/2006
Di-n-Butylphthalate	BQL	12.3	1	9/6/2006
1,2-Dichlorobenzene	BQL	12.3	1	9/6/2006
1,3-Dichlorobenzene	BQL	12.3	1	9/6/2006
1,4-Dichlorobenzene	BQL	12.3	1	9/6/2006
3,3'-Dichlorobenzidine	BQL	24.7	1	9/6/2006
2,4-Dichlorophenol	BQL	12.3	1	9/6/2006
Diethylphthalate	BQL	12.3	1	9/6/2006
Dimethylphthalate	BQL	12.3	1	9/6/2006
2,4-Dimethylphenol	BQL	12.3	1	9/6/2006
Di-n-octylphthalate	BQL	12.3	1	9/6/2006
4,6-Dinitro-2-methylphenol	BQL	61.7	1	9/6/2006
2,4-Dinitrophenol	BQL	61.7	1	9/6/2006
2,4-Dinitrotoluene	BQL	12.3	1	9/6/2006
2,6-Dinitrotoluene	BQL	12.3	1	9/6/2006
Diphenylamine *	BQL	12.3	1	9/6/2006
Fluoranthene	BQL	12.3	1	9/6/2006
Fluorene	BQL	12.3	1	9/6/2006
Hexachlorobenzene	BQL	12.3	1	9/6/2006
Hexachlorobutadiene	BQL	12.3	1	9/6/2006
Hexachlorocyclopentadiene	BQL	24.7	1	9/6/2006
Hexachloroethane	BQL	12.3	1	9/6/2006
Indeno(1,2,3-c,d)pyrene	BQL	12.3	1	9/6/2006
Isophorone	BQL	12.3	1	9/6/2006
Naphthalene	BQL	12.3	1	9/6/2006
Nitrobenzene	BQL	12.3	1	9/6/2006
2-Nitrophenol	BQL	12.3	1	9/6/2006
4-Nitrophenol	BQL	61.7	1	9/6/2006
N-Nitrosodi-n-propylamine	BQL	12.3	1	9/6/2006

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Results for Semivolatiles
by GCMS 625

Client Sample ID: UST45/S941-MW14
Client Project ID: NV015
Lab Sample ID: G650-72-4H
Lab Project ID: G650-72

Analyzed By: EAW
Date Collected: 8/9/2006 8:50
Date Received: 8/10/2006
Date Extracted: 8/29/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Pentachlorophenol	BQL	61.7	1	9/6/2006
Phenanthrene	BQL	12.3	1	9/6/2006
Phenol	BQL	12.3	1	9/6/2006
Pyrene	BQL	12.3	1	9/6/2006
1,2,4-Trichlorobenzene	BQL	12.3	1	9/6/2006
2,4,6-Trichlorophenol	BQL	12.3	1	9/6/2006

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.3	93
2-Fluorophenol	10	9.4	94
Nitrobenzene-d5	10	11.8	118
Phenol-d6	10	9.1	91
2,4,6-Tribromophenol	10	10	100
4-Terphenyl-d14	10	13	130

Comments:
* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.
Sample was re-extracted and re-analyzed outside of the method specified holding time.

Flags:
BQL = Below Quantitation Limits.

Reviewed By:

SGS

Results of Library Search for Semivolatile Compounds

by GCMS

Client Sample ID: UST45/S941-MW14
Client Project ID: NV015
Lab Sample ID: G650-72-4H
Lab Project ID: G650-72
Sample Wt/Vol: 405 ML
Dilution: 1

Analyzed By: EAW
Date Collected: 8/9/2006 8:50
Date Received: 8/10/2006
Date Extracted: 8/29/2006
Date Analyzed: 9/6/2006
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Unknown	4.98			11.2
2	Unknown	5.08			5.78
3	Unknown	6.15			5.13
4	Unknown	3.90			4.72
5	Unknown	12.29			4.37
6	Unknown	7.67			4.15
7					
8					
9					
10					

Comment:

Tentatively Identified Compound (TIC) refers to substances which are not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist.

Quantitation is accomplished by relative peak area of the compound compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is equal to or greater than 10% of that of the nearest internal standard. Quantitation provided is an estimate.

Reviewed by: _____

SGS

Results for Semivolatiles by GCMS 625

Client Sample ID: UST45/S941-MW21
Client Project ID: NV015
Lab Sample ID: G650-72-5G
Lab Project ID: G650-72

Analyzed By: EAW
Date Collected: 8/9/2006 10:05
Date Received: 8/10/2006
Date Extracted: 8/16/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Acenaphthene	BQL	10.0	1	8/25/2006
Acenaphthylene	BQL	10.0	1	8/25/2006
Anthracene	BQL	10.0	1	8/25/2006
Benzo[a]anthracene	BQL	10.0	1	8/25/2006
Benzo[a]pyrene	BQL	10.0	1	8/25/2006
Benzo[b]fluoranthene	BQL	10.0	1	8/25/2006
Benzo[g,h,i]perylene	BQL	10.0	1	8/25/2006
Benzo[k]fluoranthene	BQL	10.0	1	8/25/2006
Bis(2-chloroethoxy)methane	BQL	10.0	1	8/25/2006
Bis(2-chloroethyl)ether	BQL	10.0	1	8/25/2006
Bis(2-chloroisopropyl)ether	BQL	10.0	1	8/25/2006
Bis(2-ethylhexyl)phthalate	BQL	10.0	1	8/25/2006
4-bromophenyl phenyl ether	BQL	10.0	1	8/25/2006
Butylbenzylphthalate	BQL	10.0	1	8/25/2006
2-Chloronaphthalene	BQL	10.0	1	8/25/2006
2-Chlorophenol	BQL	10.0	1	8/25/2006
4-Chloro-3-methylphenol	BQL	10.0	1	8/25/2006
4-Chlorophenyl phenyl ether	BQL	10.0	1	8/25/2006
Chrysene	BQL	10.0	1	8/25/2006
Dibenzo[a,h]anthracene	BQL	10.0	1	8/25/2006
Di-n-Butylphthalate	BQL	10.0	1	8/25/2006
1,2-Dichlorobenzene	BQL	10.0	1	8/25/2006
1,3-Dichlorobenzene	BQL	10.0	1	8/25/2006
1,4-Dichlorobenzene	BQL	10.0	1	8/25/2006
3,3'-Dichlorobenzidine	BQL	20.0	1	8/25/2006
2,4-Dichlorophenol	BQL	10.0	1	8/25/2006
Diethylphthalate	BQL	10.0	1	8/25/2006
Dimethylphthalate	BQL	10.0	1	8/25/2006
2,4-Dimethylphenol	BQL	10.0	1	8/25/2006
Di-n-octylphthalate	BQL	10.0	1	8/25/2006
4,6-Dinitro-2-methylphenol	BQL	50.0	1	8/25/2006
2,4-Dinitrophenol	BQL	50.0	1	8/25/2006
2,4-Dinitrotoluene	BQL	10.0	1	8/25/2006
2,6-Dinitrotoluene	BQL	10.0	1	8/25/2006
Diphenylamine *	BQL	10.0	1	8/25/2006
Fluoranthene	BQL	10.0	1	8/25/2006
Fluorene	BQL	10.0	1	8/25/2006
Hexachlorobenzene	BQL	10.0	1	8/25/2006
Hexachlorobutadiene	BQL	10.0	1	8/25/2006
Hexachlorocyclopentadiene	BQL	20.0	1	8/25/2006
Hexachloroethane	BQL	10.0	1	8/25/2006
Indeno(1,2,3-c,d)pyrene	BQL	10.0	1	8/25/2006
Isophorone	BQL	10.0	1	8/25/2006
Naphthalene	BQL	10.0	1	8/25/2006

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Results for Semivolatiles
by GCMS 625

Client Sample ID: UST45/S941-MW21
Client Project ID: NV015
Lab Sample ID: G650-72-5G
Lab Project ID: G650-72

Analyzed By: EAW
Date Collected: 8/9/2006 10:05
Date Received: 8/10/2006
Date Extracted: 8/16/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Nitrobenzene	BQL	10.0	1	8/25/2006
2-Nitrophenol	BQL	10.0	1	8/25/2006
4-Nitrophenol	BQL	50.0	1	8/25/2006
N-Nitrosodi-n-propylamine	BQL	10.0	1	8/25/2006
Pentachlorophenol	BQL	50.0	1	8/25/2006
Phenanthrene	BQL	10.0	1	8/25/2006
Phenol	BQL	10.0	1	8/25/2006
Pyrene	BQL	10.0	1	8/25/2006
1,2,4-Trichlorobenzene	BQL	10.0	1	8/25/2006
2,4,6-Trichlorophenol	BQL	10.0	1	8/25/2006

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.8	78
2-Fluorophenol	10	8.2	82
Nitrobenzene-d5	10	8.1	81
Phenol-d6	10	7.4	74
2,4,6-Tribromophenol	10	8.8	88
4-Terphenyl-d14	10	11.7	117

Comments:
* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:
BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By:

SGS

Results of Library Search for Semivolatile Compounds

by GCMS

Client Sample ID: UST45/S941-MW21
Client Project ID: NV015
Lab Sample ID: G650-72-5G
Lab Project ID: G650-72
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: EAW
Date Collected: 8/9/2006 10:05
Date Received: 8/10/2006
Date Extracted: 8/16/2006
Date Analyzed: 8/25/2006
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Unknown	4.89			25.6
2	Unknown	6.21			7.06
3	Unknown	5.10			6.68
4					
5					
6					
7					
8					
9					
10					

Comment:

Tentatively Identified Compound (TIC) refers to substances which are not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist.

Quantitation is accomplished by relative peak area of the compound compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is equal to or greater than 10% of that of the nearest internal standard. Quantitation provided is an estimate.

Reviewed by:

SGS

Results for Semivolatiles by GCMS 625

Client Sample ID: UST45/S941-MW01/45
Client Project ID: NV015
Lab Sample ID: G650-72-6G
Lab Project ID: G650-72

Analyzed By: EAW
Date Collected: 8/9/2006 11:55
Date Received: 8/10/2006
Date Extracted: 8/16/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Acenaphthene	BQL	10.0	1	8/25/2006
Acenaphthylene	BQL	10.0	1	8/25/2006
Anthracene	BQL	10.0	1	8/25/2006
Benzo[a]anthracene	BQL	10.0	1	8/25/2006
Benzo[a]pyrene	BQL	10.0	1	8/25/2006
Benzo[b]fluoranthene	BQL	10.0	1	8/25/2006
Benzo[g,h,i]perylene	BQL	10.0	1	8/25/2006
Benzo[k]fluoranthene	BQL	10.0	1	8/25/2006
Bis(2-chloroethoxy)methane	BQL	10.0	1	8/25/2006
Bis(2-chloroethyl)ether	BQL	10.0	1	8/25/2006
Bis(2-chloroisopropyl)ether	BQL	10.0	1	8/25/2006
Bis(2-ethylhexyl)phthalate	BQL	10.0	1	8/25/2006
4-bromophenyl phenyl ether	BQL	10.0	1	8/25/2006
Butylbenzylphthalate	BQL	10.0	1	8/25/2006
2-Chloronaphthalene	BQL	10.0	1	8/25/2006
2-Chlorophenol	BQL	10.0	1	8/25/2006
4-Chloro-3-methylphenol	BQL	10.0	1	8/25/2006
4-Chlorophenyl phenyl ether	BQL	10.0	1	8/25/2006
Chrysene	BQL	10.0	1	8/25/2006
Dibenzo[a,h]anthracene	BQL	10.0	1	8/25/2006
Di-n-Butylphthalate	BQL	10.0	1	8/25/2006
1,2-Dichlorobenzene	BQL	10.0	1	8/25/2006
1,3-Dichlorobenzene	BQL	10.0	1	8/25/2006
1,4-Dichlorobenzene	BQL	10.0	1	8/25/2006
3,3'-Dichlorobenzidine	BQL	20.0	1	8/25/2006
2,4-Dichlorophenol	BQL	10.0	1	8/25/2006
Diethylphthalate	BQL	10.0	1	8/25/2006
Dimethylphthalate	BQL	10.0	1	8/25/2006
2,4-Dimethylphenol	BQL	10.0	1	8/25/2006
Di-n-octylphthalate	BQL	10.0	1	8/25/2006
4,6-Dinitro-2-methylphenol	BQL	50.0	1	8/25/2006
2,4-Dinitrophenol	BQL	50.0	1	8/25/2006
2,4-Dinitrotoluene	BQL	10.0	1	8/25/2006
2,6-Dinitrotoluene	BQL	10.0	1	8/25/2006
Diphenylamine *	BQL	10.0	1	8/25/2006
Fluoranthene	BQL	10.0	1	8/25/2006
Fluorene	BQL	10.0	1	8/25/2006
Hexachlorobenzene	BQL	10.0	1	8/25/2006
Hexachlorobutadiene	BQL	10.0	1	8/25/2006
Hexachlorocyclopentadiene	BQL	20.0	1	8/25/2006
Hexachloroethane	BQL	10.0	1	8/25/2006
Indeno(1,2,3-c,d)pyrene	BQL	10.0	1	8/25/2006
Isophorone	BQL	10.0	1	8/25/2006
Naphthalene	BQL	10.0	1	8/25/2006

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Results for Semivolatiles
by GCMS 625

Client Sample ID: UST45/S941-MW01/45
Client Project ID: NV015
Lab Sample ID: G650-72-6G
Lab Project ID: G650-72

Analyzed By: EAW
Date Collected: 8/9/2006 11:55
Date Received: 8/10/2006
Date Extracted: 8/16/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Nitrobenzene	BQL	10.0	1	8/25/2006
2-Nitrophenol	BQL	10.0	1	8/25/2006
4-Nitrophenol	BQL	50.0	1	8/25/2006
N-Nitrosodi-n-propylamine	BQL	10.0	1	8/25/2006
Pentachlorophenol	BQL	50.0	1	8/25/2006
Phenanthrene	BQL	10.0	1	8/25/2006
Phenol	BQL	10.0	1	8/25/2006
Pyrene	BQL	10.0	1	8/25/2006
1,2,4-Trichlorobenzene	BQL	10.0	1	8/25/2006
2,4,6-Trichlorophenol	BQL	10.0	1	8/25/2006

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.2	82
2-Fluorophenol	10	8	80
Nitrobenzene-d5	10	8.2	82
Phenol-d6	10	7.2	72
2,4,6-Tribromophenol	10	9.2	92
4-Terphenyl-d14	10	11.2	112

Comments:
* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:
BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By:

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Results of Library Search for Semivolatile Compounds

by GCMS

Client Sample ID: UST45/S941-MW01/45
Client Project ID: NV015
Lab Sample ID: G650-72-6G
Lab Project ID: G650-72
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: EAW
Date Collected: 8/9/2006 11:55
Date Received: 8/10/2006
Date Extracted: 8/16/2006
Date Analyzed: 8/25/2006
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Unknown	4.88			25.3
2	Unknown	5.09			5.58
3					
4					
5					
6					
7					
8					
9					
10					

Comment:

Tentatively Identified Compound (TIC) refers to substances which are not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist.

Quantitation is accomplished by relative peak area of the compound compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is equal to or greater than 10% of that of the nearest internal standard. Quantitation provided is an estimate.

Reviewed by:

SGS

Results for Semivolatiles by GCMS 625

Client Sample ID: UST45/S941-MW04/45
Client Project ID: NV015
Lab Sample ID: G650-72-7I
Lab Project ID: G650-72

Analyzed By: EAW
Date Collected: 8/9/2006 10:55
Date Received: 8/10/2006
Date Extracted: 8/16/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Acenaphthene	BQL	10.0	1	8/25/2006
Acenaphthylene	BQL	10.0	1	8/25/2006
Anthracene	BQL	10.0	1	8/25/2006
Benzo[a]anthracene	BQL	10.0	1	8/25/2006
Benzo[a]pyrene	BQL	10.0	1	8/25/2006
Benzo[b]fluoranthene	BQL	10.0	1	8/25/2006
Benzo[g,h,i]perylene	BQL	10.0	1	8/25/2006
Benzo[k]fluoranthene	BQL	10.0	1	8/25/2006
Bis(2-chloroethoxy)methane	BQL	10.0	1	8/25/2006
Bis(2-chloroethyl)ether	BQL	10.0	1	8/25/2006
Bis(2-chloroisopropyl)ether	BQL	10.0	1	8/25/2006
Bis(2-ethylhexyl)phthalate	BQL	10.0	1	8/25/2006
4-bromophenyl phenyl ether	BQL	10.0	1	8/25/2006
Butylbenzylphthalate	BQL	10.0	1	8/25/2006
2-Chloronaphthalene	BQL	10.0	1	8/25/2006
2-Chlorophenol	BQL	10.0	1	8/25/2006
4-Chloro-3-methylphenol	BQL	10.0	1	8/25/2006
4-Chlorophenyl phenyl ether	BQL	10.0	1	8/25/2006
Chrysene	BQL	10.0	1	8/25/2006
Dibenzo[a,h]anthracene	BQL	10.0	1	8/25/2006
Di-n-Butylphthalate	BQL	10.0	1	8/25/2006
1,2-Dichlorobenzene	BQL	10.0	1	8/25/2006
1,3-Dichlorobenzene	BQL	10.0	1	8/25/2006
1,4-Dichlorobenzene	BQL	10.0	1	8/25/2006
3,3'-Dichlorobenzidine	BQL	20.0	1	8/25/2006
2,4-Dichlorophenol	BQL	10.0	1	8/25/2006
Diethylphthalate	BQL	10.0	1	8/25/2006
Dimethylphthalate	BQL	10.0	1	8/25/2006
2,4-Dimethylphenol	BQL	10.0	1	8/25/2006
Di-n-octylphthalate	BQL	10.0	1	8/25/2006
4,6-Dinitro-2-methylphenol	BQL	50.0	1	8/25/2006
2,4-Dinitrophenol	BQL	50.0	1	8/25/2006
2,4-Dinitrotoluene	BQL	10.0	1	8/25/2006
2,6-Dinitrotoluene	BQL	10.0	1	8/25/2006
Diphenylamine *	BQL	10.0	1	8/25/2006
Fluoranthene	BQL	10.0	1	8/25/2006
Fluorene	BQL	10.0	1	8/25/2006
Hexachlorobenzene	BQL	10.0	1	8/25/2006
Hexachlorobutadiene	BQL	10.0	1	8/25/2006
Hexachlorocyclopentadiene	BQL	20.0	1	8/25/2006
Hexachloroethane	BQL	10.0	1	8/25/2006
Indeno(1,2,3-c,d)pyrene	BQL	10.0	1	8/25/2006
Isophorone	BQL	10.0	1	8/25/2006
Naphthalene	BQL	10.0	1	8/25/2006

SGS

Results for Semivolatiles
by GCMS 625

Client Sample ID: UST45/S941-MW04/45
Client Project ID: NV015
Lab Sample ID: G650-72-7I
Lab Project ID: G650-72

Analyzed By: EAW
Date Collected: 8/9/2006 10:55
Date Received: 8/10/2006
Date Extracted: 8/16/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Nitrobenzene	BQL	10.0	1	8/25/2006
2-Nitrophenol	BQL	10.0	1	8/25/2006
4-Nitrophenol	BQL	50.0	1	8/25/2006
N-Nitrosodi-n-propylamine	BQL	10.0	1	8/25/2006
Pentachlorophenol	BQL	50.0	1	8/25/2006
Phenanthrene	BQL	10.0	1	8/25/2006
Phenol	BQL	10.0	1	8/25/2006
Pyrene	BQL	10.0	1	8/25/2006
1,2,4-Trichlorobenzene	BQL	10.0	1	8/25/2006
2,4,6-Trichlorophenol	BQL	10.0	1	8/25/2006

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	6.6	66
2-Fluorophenol	10	6.7	67
Nitrobenzene-d5	10	6.6	66
Phenol-d6	10	6.3	63
2,4,6-Tribromophenol	10	7.5	75
4-Terphenyl-d14	10	9.2	92

Comments:

* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:

BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By:

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SGS

Results of Library Search for Semivolatile Compounds

by GCMS

Client Sample ID: UST45/S941-MW04/45
Client Project ID: NV015
Lab Sample ID: G650-72-7I
Lab Project ID: G650-72
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: EAW
Date Collected: 8/9/2006 10:55
Date Received: 8/10/2006
Date Extracted: 8/16/2006
Date Analyzed: 8/25/2006
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Unknown	4.89			21.6
2	Unknown	5.09			6.63
3	Unknown	6.22			5.18
4					
5					
6					
7					
8					
9					
10					

Comment:

Tentatively Identified Compound (TIC) refers to substances which are not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist.

Quantitation is accomplished by relative peak area of the compound compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is equal to or greater than 10% of that of the nearest internal standard. Quantitation provided is an estimate.

Reviewed by:

SGS

Results for Semivolatiles by GCMS 625

Client Sample ID: UST45/S941-Duplicate
Client Project ID: NV015
Lab Sample ID: G650-72-8H
Lab Project ID: G650-72

Analyzed By: EAW
Date Collected: 8/9/2006 0:00
Date Received: 8/10/2006
Date Extracted: 8/16/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Acenaphthene	BQL	10.0	1	8/25/2006
Acenaphthylene	BQL	10.0	1	8/25/2006
Anthracene	BQL	10.0	1	8/25/2006
Benzo[a]anthracene	BQL	10.0	1	8/25/2006
Benzo[a]pyrene	BQL	10.0	1	8/25/2006
Benzo[b]fluoranthene	BQL	10.0	1	8/25/2006
Benzo[g,h,i]perylene	BQL	10.0	1	8/25/2006
Benzo[k]fluoranthene	BQL	10.0	1	8/25/2006
Bis(2-chloroethoxy)methane	BQL	10.0	1	8/25/2006
Bis(2-chloroethyl)ether	BQL	10.0	1	8/25/2006
Bis(2-chloroisopropyl)ether	BQL	10.0	1	8/25/2006
Bis(2-ethylhexyl)phthalate	BQL	10.0	1	8/25/2006
4-bromophenyl phenyl ether	BQL	10.0	1	8/25/2006
Butylbenzylphthalate	BQL	10.0	1	8/25/2006
2-Chloronaphthalene	BQL	10.0	1	8/25/2006
2-Chlorophenol	BQL	10.0	1	8/25/2006
4-Chloro-3-methylphenol	BQL	10.0	1	8/25/2006
4-Chlorophenyl phenyl ether	BQL	10.0	1	8/25/2006
Chrysene	BQL	10.0	1	8/25/2006
Dibenzo[a,h]anthracene	BQL	10.0	1	8/25/2006
Di-n-Butylphthalate	BQL	10.0	1	8/25/2006
1,2-Dichlorobenzene	BQL	10.0	1	8/25/2006
1,3-Dichlorobenzene	BQL	10.0	1	8/25/2006
1,4-Dichlorobenzene	BQL	10.0	1	8/25/2006
3,3'-Dichlorobenzidine	BQL	20.0	1	8/25/2006
2,4-Dichlorophenol	BQL	10.0	1	8/25/2006
Diethylphthalate	BQL	10.0	1	8/25/2006
Dimethylphthalate	BQL	10.0	1	8/25/2006
2,4-Dimethylphenol	BQL	10.0	1	8/25/2006
Di-n-octylphthalate	BQL	10.0	1	8/25/2006
4,6-Dinitro-2-methylphenol	BQL	50.0	1	8/25/2006
2,4-Dinitrophenol	BQL	50.0	1	8/25/2006
2,4-Dinitrotoluene	BQL	10.0	1	8/25/2006
2,6-Dinitrotoluene	BQL	10.0	1	8/25/2006
Diphenylamine *	BQL	10.0	1	8/25/2006
Fluoranthene	BQL	10.0	1	8/25/2006
Fluorene	BQL	10.0	1	8/25/2006
Hexachlorobenzene	BQL	10.0	1	8/25/2006
Hexachlorobutadiene	BQL	10.0	1	8/25/2006
Hexachlorocyclopentadiene	BQL	20.0	1	8/25/2006
Hexachloroethane	BQL	10.0	1	8/25/2006
Indeno(1,2,3-c,d)pyrene	BQL	10.0	1	8/25/2006
Isophorone	BQL	10.0	1	8/25/2006
Naphthalene	BQL	10.0	1	8/25/2006
Nitrobenzene	BQL	10.0	1	8/25/2006
2-Nitrophenol	BQL	10.0	1	8/25/2006
4-Nitrophenol	BQL	50.0	1	8/25/2006

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Results for Semivolatiles
by GCMS 625

Client Sample ID: UST45/S941-Duplicate
Client Project ID: NV015
Lab Sample ID: G650-72-8H
Lab Project ID: G650-72

Analyzed By: EAW
Date Collected: 8/9/2006 0:00
Date Received: 8/10/2006
Date Extracted: 8/16/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
N-Nitrosodi-n-propylamine	BQL	10.0	1	8/25/2006
Pentachlorophenol	BQL	50.0	1	8/25/2006
Phenanthrene	BQL	10.0	1	8/25/2006
Phenol	BQL	10.0	1	8/25/2006
Pyrene	BQL	10.0	1	8/25/2006
1,2,4-Trichlorobenzene	BQL	10.0	1	8/25/2006
2,4,6-Trichlorophenol	BQL	10.0	1	8/25/2006

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	3.8	38 #
2-Fluorophenol	10	4	40
Nitrobenzene-d5	10	3.8	38 #
Phenol-d6	10	3.7	37 #
2,4,6-Tribromophenol	10	3.8	38
4-Terphenyl-d14	10	5	50

Comments:
* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.
Sample was re-extracted due to low surrogate recoveries.

Flags:
BQL = Below Quantitation Limits.
# = Surrogate outside of In-House statistical limits.

Reviewed By:

SGS

Results of Library Search for Semivolatile Compounds

by GCMS

Client Sample ID: UST45/S941-Duplicate
Client Project ID: NV015
Lab Sample ID: G650-72-8H
Lab Project ID: G650-72
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: EAW
Date Collected: 8/9/2006 0:00
Date Received: 8/10/2006
Date Extracted: 8/16/2006
Date Analyzed: 8/25/2006
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Unknown	4.89			12.8
2					
3					
4					
5					
6					
7					
8					
9					
10					

Comment:

Tentatively Identified Compound (TIC) refers to substances which are not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist.

Quantitation is accomplished by relative peak area of the compound compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is equal to or greater than 10% of that of the nearest internal standard. Quantitation provided is an estimate.

Reviewed by:

SGS

Results for Semivolatiles
by GCMS 625

Client Sample ID: UST45/S941-Duplicate
Client Project ID: NV015
Lab Sample ID: G650-72-8I
Lab Project ID: G650-72

Analyzed By: EAW
Date Collected: 8/9/2006 0:00
Date Received: 8/10/2006
Date Extracted: 8/29/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Acenaphthene	BQL	10.6	1	9/6/2006
Acenaphthylene	BQL	10.6	1	9/6/2006
Anthracene	BQL	10.6	1	9/6/2006
Benzo[a]anthracene	BQL	10.6	1	9/6/2006
Benzo[a]pyrene	BQL	10.6	1	9/6/2006
Benzo[b]fluoranthene	BQL	10.6	1	9/6/2006
Benzo[g,h,i]perylene	BQL	10.6	1	9/6/2006
Benzo[k]fluoranthene	BQL	10.6	1	9/6/2006
Bis(2-chloroethoxy)methane	BQL	10.6	1	9/6/2006
Bis(2-chloroethyl)ether	BQL	10.6	1	9/6/2006
Bis(2-chloroisopropyl)ether	BQL	10.6	1	9/6/2006
Bis(2-ethylhexyl)phthalate	BQL	10.6	1	9/6/2006
4-bromophenyl phenyl ether	BQL	10.6	1	9/6/2006
Butylbenzylphthalate	BQL	10.6	1	9/6/2006
2-Chloronaphthalene	BQL	10.6	1	9/6/2006
2-Chlorophenol	BQL	10.6	1	9/6/2006
4-Chloro-3-methylphenol	BQL	10.6	1	9/6/2006
4-Chlorophenyl phenyl ether	BQL	10.6	1	9/6/2006
Chrysene	BQL	10.6	1	9/6/2006
Dibenzo[a,h]anthracene	BQL	10.6	1	9/6/2006
Di-n-Butylphthalate	BQL	10.6	1	9/6/2006
1,2-Dichlorobenzene	BQL	10.6	1	9/6/2006
1,3-Dichlorobenzene	BQL	10.6	1	9/6/2006
1,4-Dichlorobenzene	BQL	10.6	1	9/6/2006
3,3'-Dichlorobenzidine	BQL	21.3	1	9/6/2006
2,4-Dichlorophenol	BQL	10.6	1	9/6/2006
Diethylphthalate	BQL	10.6	1	9/6/2006
Dimethylphthalate	BQL	10.6	1	9/6/2006
2,4-Dimethylphenol	BQL	10.6	1	9/6/2006
Di-n-octylphthalate	BQL	10.6	1	9/6/2006
4,6-Dinitro-2-methylphenol	BQL	53.2	1	9/6/2006
2,4-Dinitrophenol	BQL	53.2	1	9/6/2006
2,4-Dinitrotoluene	BQL	10.6	1	9/6/2006
2,6-Dinitrotoluene	BQL	10.6	1	9/6/2006
Diphenylamine *	BQL	10.6	1	9/6/2006
Fluoranthene	BQL	10.6	1	9/6/2006
Fluorene	BQL	10.6	1	9/6/2006
Hexachlorobenzene	BQL	10.6	1	9/6/2006
Hexachlorobutadiene	BQL	10.6	1	9/6/2006
Hexachlorocyclopentadiene	BQL	21.3	1	9/6/2006
Hexachloroethane	BQL	10.6	1	9/6/2006
Indeno(1,2,3-c,d)pyrene	BQL	10.6	1	9/6/2006
Isophorone	BQL	10.6	1	9/6/2006
Naphthalene	BQL	10.6	1	9/6/2006
Nitrobenzene	BQL	10.6	1	9/6/2006
2-Nitrophenol	BQL	10.6	1	9/6/2006
4-Nitrophenol	BQL	53.2	1	9/6/2006

SGS

Results for Semivolatiles
by GCMS 625

Client Sample ID: UST45/S941-Duplicate
Client Project ID: NV015
Lab Sample ID: G650-72-8I
Lab Project ID: G650-72

Analyzed By: EAW
Date Collected: 8/9/2006 0:00
Date Received: 8/10/2006
Date Extracted: 8/29/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
N-Nitrosodi-n-propylamine	BQL	10.6	1	9/6/2006
Pentachlorophenol	BQL	53.2	1	9/6/2006
Phenanthrene	BQL	10.6	1	9/6/2006
Phenol	BQL	10.6	1	9/6/2006
Pyrene	BQL	10.6	1	9/6/2006
1,2,4-Trichlorobenzene	BQL	10.6	1	9/6/2006
2,4,6-Trichlorophenol	BQL	10.6	1	9/6/2006

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.8	88
2-Fluorophenol	10	8.7	87
Nitrobenzene-d5	10	11.3	113
Phenol-d6	10	8.8	88
2,4,6-Tribromophenol	10	10.3	103
4-Terphenyl-d14	10	12.7	127

Comments:
* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.
Sample was re-extracted and re-analyzed outside of the method specified holding time.

Flags:
BQL = Below Quantitation Limits.

Reviewed By:

SGS

Results of Library Search for Semivolatile Compounds

by GCMS

Client Sample ID: UST45/S941-Duplicate
Client Project ID: NV015
Lab Sample ID: G650-72-8I
Lab Project ID: G650-72
Sample Wt/Vol: 470 ML
Dilution: 1

Analyzed By: EAW
Date Collected: 8/9/2006 0:00
Date Received: 8/10/2006
Date Extracted: 8/29/2006
Date Analyzed: 9/6/2006
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Unknown	4.98			10
2	Unknown	12.29			9.59
3	Unknown	3.91			6.69
4					
5					
6					
7					
8					
9					
10					

Comment:

Tentatively Identified Compound (TIC) refers to substances which are not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist.

Quantitation is accomplished by relative peak area of the compound compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is equal to or greater than 10% of that of the nearest internal standard. Quantitation provided is an estimate.

Reviewed by:

SGS

List of Reporting Abbreviations and Data Qualifiers

B = Compound also detected in batch blank

BQL = Below Quantitation Limit (RL or MDL)

DF = Dilution Factor

Dup = Duplicate

D = Detected, but RPD is > 40% between results in dual column method.

E = Estimated concentration, exceeds calibration range.

J = Estimated concentration, below calibration range and above MDL

LCS(D) = Laboratory Control Spike (Duplicate)

MDL = Method Detection Limit

MS(D) = Matrix Spike (Duplicate)

PQL = Practical Quantitation Limit

RL = Reporting Limit

RPD = Relative Percent Difference

mg/kg = milligram per kilogram, ppm, parts per million

ug/kg = micrograms per kilogram, ppb, parts per billion

mg/L = milligram per liter, ppm, parts per million

ug/L = micrograms per liter, ppb, parts per billion

% Rec = Percent Recovery

% soilds = Percent Solids

Special Notes:

1) Metals and mercury samples are digested with a hot block, see the standard operating procedure document for details.

2) Uncertainty for all reported data is less than or equal to 30 percent.

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(1)

CLIENT: SOUTHERN Consulting

CONTACT: Theresa Ellerman PHONE NO: (910) 526-3941

PROJECT: NV015 SITE/PWSID#: Bldg 45

REPORTS TO:

Chris Murray FAX NO.: (757) 456-5095

INVOICE TO: Chris Murray QUOTE #
405 Oak Meares Crescent Ste 1
Virginia Beach VA 23462 P.O. NUMBER NV015

SGS Reference: G650-72

PAGE 1 OF 1

(2)

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	No CONTAINERS	SAMPLE TYPE (C=COMP G=GRAB)	Preservatives Used: HCl / HNO3 / None	Analysis Required (3): 602 / AK (3550) / 625 + TICs	REMARKS
	UST45/5941-MW04	8/9/06	1258	W	5		X	X	X	
	UST45/5941-MW06	8/9/06	1520	W	5		X	X	X	
	UST45/5941-MW09	8/9/06	1355	W	5		X	X	X	
	UST45/5941-MW14	8/9/06	0850	W	5		X	X	X	
	UST45/5941-MW21	8/9/06	1005	W	5		X	X	X	
	UST45/5941-MW01/45	8/9/06	1155	W	5		X	X	X	
	UST45/5941-MW04/45	8/9/06	0955	W	5		X	X	X	
	UST45/5941-Duplicate	—	—	W	5		X	X	X	
	TRIP BLANK	8/9/06	—	W	1		X			

(5)

Collected/Relinquished By:(1)	Date	Time	Received By:
[redacted]	[redacted]		
Relinquished By: (2)	Date 7:54AM 8/10/06	Time	Received By: 0800 8/10/06
Relinquished By: (3)	Date	Time	Received By:
Relinquished By: (4)	Date	Time	Received By:

(4)

Shipping Carrier:

Shipping Ticket No:

Special Deliverable Requirements: EDD FORMAT

Samples Received Cold? (Circle) (YES) NO

Temperature °C: 7.8°C on ice 5.5°C 8/10/06

Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT

Requested Turnaround Time and Special Instructions: Standard Turnaround
Email results in "EDD Format" to
nhall@savoon.com / cmurray@savoon.com

SGS

Mr. Chris Murray
Sovereign Consulting
405 Oakmears Crescent
Suite 1
Virginia Beach VA 23462
Report Number: G650-93

Client Project: NV015

Dear Mr. Murray:

Enclosed are the results of the analytical services performed under the referenced project. The samples are certified to meet the requirements of the National Environmental Laboratory Accreditation Conference Standards. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or the services performed during this project, please call SGS/Paradigm at (910) 350-1903. We will be happy to answer any questions or concerns which you may have.

Thank you for using SGS/Paradigm Analytical Labs for your analytical services. We look forward to working with you again on any additional analytical needs which you may have.

Sincerely,
SGS/Paradigm Analytical Laboratories, Inc.

11/29/2006

Laboratory Director Date
J. Patrick Weaver

Paradigm Analytical Laboratories, Inc. | 5500 Business Dr., Wilmington, NC 28405 t (910) 350-1903 f (910) 350-1557 www.sgs.com

Member of the SGS Group

SGS

Results for Volatiles

by GC 602

Client Sample ID: UST45/S941-MW06
Client Project ID: NV015
Lab Sample ID: G650-93-1A
Lab Project ID: G650-93

Analyzed By: RSB
Date Collected: 11/13/2006 10:03
Date Received: 11/15/2006
Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.183	1	11/22/2006	
Diisopropyl ether (DIPE)	BQL	1.00	0.229	1	11/22/2006	
Ethylbenzene	BQL	1.00	0.181	1	11/22/2006	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.359	1	11/22/2006	
Toluene	**1.15**	1.00	0.157	1	11/22/2006	
m/p-Xylene	BQL	2.00	0.481	1	11/22/2006	
o-Xylene	BQL	2.00	0.584	1	11/22/2006	

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	41.9	105

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: _____

SGS

Results for Volatiles

by GC 602

Client Sample ID: UST45/S941-MW08
Client Project ID: NV015
Lab Sample ID: G650-93-2A
Lab Project ID: G650-93

Analyzed By: RSB
Date Collected: 11/13/2006 9:22
Date Received: 11/15/2006
Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.183	1	11/22/2006	
Diisopropyl ether (DIPE)	BQL	1.00	0.229	1	11/22/2006	
Ethylbenzene	BQL	1.00	0.181	1	11/22/2006	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.359	1	11/22/2006	
Toluene	**1.36**	1.00	0.157	1	11/22/2006	
m/p-Xylene	BQL	2.00	0.481	1	11/22/2006	
o-Xylene	BQL	2.00	0.584	1	11/22/2006	

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	40.0	99.9

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: _____
Copy of GC-VOA_WA.XLS

SGS

Results for Volatiles
by GC 602

Client Sample ID: UST45/S941-MW19
Client Project ID: NV015
Lab Sample ID: G650-93-3A
Lab Project ID: G650-93

Analyzed By: RSB
Date Collected: 11/13/2006 11:53
Date Received: 11/15/2006
Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.183	1	11/22/2006	
Diisopropyl ether (DIPE)	BQL	1.00	0.229	1	11/22/2006	
Ethylbenzene	BQL	1.00	0.181	1	11/22/2006	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.359	1	11/22/2006	
Toluene	**1.20**	1.00	0.157	1	11/22/2006	
m/p-Xylene	BQL	2.00	0.481	1	11/22/2006	
o-Xylene	BQL	2.00	0.584	1	11/22/2006	

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	39.8	99.5

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: [signature]

SGS

Results for Volatiles
by GC 602

Client Sample ID: UST45/S941-MW20
Client Project ID: NV015
Lab Sample ID: G650-93-4A
Lab Project ID: G650-93

Analyzed By: RSB
Date Collected: 11/13/2006 12:30
Date Received: 11/15/2006
Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.183	1	11/22/2006	
Diisopropyl ether (DIPE)	BQL	1.00	0.229	1	11/22/2006	
Ethylbenzene	BQL	1.00	0.181	1	11/22/2006	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.359	1	11/22/2006	
Toluene	**1.01**	1.00	0.157	1	11/22/2006	
m/p-Xylene	BQL	2.00	0.481	1	11/22/2006	
o-Xylene	BQL	2.00	0.584	1	11/22/2006	

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	39.7	99.2

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: [signature]

SGS

Results for Volatiles
by GC 602

Client Sample ID: UST45/S941-MW07
Client Project ID: NV015
Lab Sample ID: G650-93-5A
Lab Project ID: G650-93

Analyzed By: RSB
Date Collected: 11/13/2006 13:20
Date Received: 11/15/2006
Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.183	1	11/22/2006	
Diisopropyl ether (DIPE)	BQL	1.00	0.229	1	11/22/2006	
Ethylbenzene	BQL	1.00	0.181	1	11/22/2006	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.359	1	11/22/2006	
Toluene	**1.21**	1.00	0.157	1	11/22/2006	
m/p-Xylene	BQL	2.00	0.481	1	11/22/2006	
o-Xylene	BQL	2.00	0.584	1	11/22/2006	

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	43.1	108

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: _____
Copy of GC-VOA_WA.XLS

SGS

Results for Volatiles
by GC 602

Client Sample ID: UST45/S941-MW09
Client Project ID: NV015
Lab Sample ID: G650-93-6A
Lab Project ID: G650-93

Analyzed By: RSB
Date Collected: 11/13/2006 13:55
Date Received: 11/15/2006
Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	**6.03**	1.00	0.183	1	11/17/2006	
Diisopropyl ether (DIPE)	**0.334**	1.00	0.229	1	11/17/2006	J
Ethylbenzene	**0.319**	1.00	0.181	1	11/17/2006	J
Methyl-tert butyl ether (MTBE)	**8.56**	2.00	0.359	1	11/17/2006	
Toluene	**1.32**	1.00	0.157	1	11/17/2006	
m/p-Xylene	**0.749**	2.00	0.481	1	11/17/2006	J
o-Xylene	**1.23**	2.00	0.584	1	11/17/2006	J

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	39.7	99.2

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: _____

SGS

Results for Volatiles
by GC 602

Client Sample ID: UST45/S941-MW17
Client Project ID: NV015
Lab Sample ID: G650-93-7A
Lab Project ID: G650-93

Analyzed By: RSB
Date Collected: 11/13/2006 14:37
Date Received: 11/15/2006
Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.183	1	11/22/2006	
Diisopropyl ether (DIPE)	BQL	1.00	0.229	1	11/22/2006	
Ethylbenzene	BQL	1.00	0.181	1	11/22/2006	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.359	1	11/22/2006	
Toluene	**0.940**	1.00	0.157	1	11/22/2006	J
m/p-Xylene	BQL	2.00	0.481	1	11/22/2006	
o-Xylene	BQL	2.00	0.584	1	11/22/2006	

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	42.8	107

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: _____

SGS

Results for Volatiles
by GC 602

Client Sample ID: UST45/S941-Duplicate
Client Project ID: NV015
Lab Sample ID: G650-93-8A
Lab Project ID: G650-93

Analyzed By: RSB
Date Collected: 11/13/2006 0:00
Date Received: 11/15/2006
Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	**6.02**	1.00	0.183	1	11/17/2006	
Diisopropyl ether (DIPE)	**0.335**	1.00	0.229	1	11/17/2006	J
Ethylbenzene	**0.298**	1.00	0.181	1	11/17/2006	J
Methyl-tert butyl ether (MTBE)	**8.50**	2.00	0.359	1	11/17/2006	
Toluene	**1.20**	1.00	0.157	1	11/17/2006	
m/p-Xylene	**0.689**	2.00	0.481	1	11/17/2006	J
o-Xylene	BQL	2.00	0.584	1	11/17/2006	

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	39.7	99.3

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: hmc

SGS

Results for Volatiles
by GC 602

Client Sample ID: UST45/S941-MW05
Client Project ID: NV015
Lab Sample ID: G650-93-9A
Lab Project ID: G650-93

Analyzed By: RSB
Date Collected: 11/14/2006 11:27
Date Received: 11/15/2006
Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.183	1	11/24/2006	
Diisopropyl ether (DIPE)	BQL	1.00	0.229	1	11/24/2006	
Ethylbenzene	BQL	1.00	0.181	1	11/24/2006	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.359	1	11/24/2006	
Toluene	BQL	1.00	0.157	1	11/24/2006	
m/p-Xylene	BQL	2.00	0.481	1	11/24/2006	
o-Xylene	BQL	2.00	0.584	1	11/24/2006	

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	43.6	109

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: [signature]

SGS

Results for Volatiles

by GC 602

Client Sample ID: UST45/S941-PW01R
Client Project ID: NV015
Lab Sample ID: G650-93-10A
Lab Project ID: G650-93

Analyzed By: RSB
Date Collected: 11/14/2006 12:20
Date Received: 11/15/2006
Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.183	1	11/24/2006	
Diisopropyl ether (DIPE)	BQL	1.00	0.229	1	11/24/2006	
Ethylbenzene	BQL	1.00	0.181	1	11/24/2006	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.359	1	11/24/2006	
Toluene	**1.25**	1.00	0.157	1	11/24/2006	
m/p-Xylene	BQL	2.00	0.481	1	11/24/2006	
o-Xylene	BQL	2.00	0.584	1	11/24/2006	

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	44.2	110

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: _____

SGS

Results for Volatiles

by GC 602

Client Sample ID: UST45/S941-MW03R
Client Project ID: NV015
Lab Sample ID: G650-93-11A
Lab Project ID: G650-93

Analyzed By: RSB
Date Collected: 11/14/2006 12:35
Date Received: 11/15/2006
Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.183	1	11/24/2006	
Diisopropyl ether (DIPE)	BQL	1.00	0.229	1	11/24/2006	
Ethylbenzene	BQL	1.00	0.181	1	11/24/2006	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.359	1	11/24/2006	
Toluene	**0.378**	1.00	0.157	1	11/24/2006	J
m/p-Xylene	BQL	2.00	0.481	1	11/24/2006	
o-Xylene	BQL	2.00	0.584	1	11/24/2006	

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	44.1	110

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: _____

SGS

Results for Volatiles
by GC 602

Client Sample ID: UST45/S941-MW02R
Client Project ID: NV015
Lab Sample ID: G650-93-12A
Lab Project ID: G650-93

Analyzed By: RSB
Date Collected: 11/14/2006 12:58
Date Received: 11/15/2006
Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.183	1	11/24/2006	
Diisopropyl ether (DIPE)	BQL	1.00	0.229	1	11/24/2006	
Ethylbenzene	BQL	1.00	0.181	1	11/24/2006	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.359	1	11/24/2006	
Toluene	**1.40**	1.00	0.157	1	11/24/2006	
m/p-Xylene	BQL	2.00	0.481	1	11/24/2006	
o-Xylene	BQL	2.00	0.584	1	11/24/2006	

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	44.3	111

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: _____

SGS

Results for Volatiles
by GC 602

Client Sample ID: UST45/S941-MW04/45
Client Project ID: NV015
Lab Sample ID: G650-93-13A
Lab Project ID: G650-93

Analyzed By: RSB
Date Collected: 11/14/2006 14:40
Date Received: 11/15/2006
Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.183	1	11/24/2006	
Diisopropyl ether (DIPE)	BQL	1.00	0.229	1	11/24/2006	
Ethylbenzene	BQL	1.00	0.181	1	11/24/2006	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.359	1	11/24/2006	
Toluene	**0.201**	1.00	0.157	1	11/24/2006	J
m/p-Xylene	BQL	2.00	0.481	1	11/24/2006	
o-Xylene	BQL	2.00	0.584	1	11/24/2006	

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	44.5	111

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: RMC

SGS

Results for Volatiles
by GC 602

Client Sample ID: UST45/S941-MW21
Client Project ID: NV015
Lab Sample ID: G650-93-14A
Lab Project ID: G650-93

Analyzed By: RSB
Date Collected: 11/14/2006 15:12
Date Received: 11/15/2006
Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.183	1	11/24/2006	
Diisopropyl ether (DIPE)	BQL	1.00	0.229	1	11/24/2006	
Ethylbenzene	BQL	1.00	0.181	1	11/24/2006	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.359	1	11/24/2006	
Toluene	**0.694**	1.00	0.157	1	11/24/2006	J
m/p-Xylene	BQL	2.00	0.481	1	11/24/2006	
o-Xylene	BQL	2.00	0.584	1	11/24/2006	

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	43.9	110

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: [signature]

SGS

Results for Volatiles

by GC 602

Client Sample ID: UST45/S941-MW14
Client Project ID: NV015
Lab Sample ID: G650-93-15A
Lab Project ID: G650-93

Analyzed By: RSB
Date Collected: 11/14/2006 15:30
Date Received: 11/15/2006
Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.183	1	11/27/2006	
Diisopropyl ether (DIPE)	BQL	1.00	0.229	1	11/27/2006	
Ethylbenzene	BQL	1.00	0.181	1	11/27/2006	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.359	1	11/27/2006	
Toluene	BQL	1.00	0.157	1	11/27/2006	
m/p-Xylene	BQL	2.00	0.481	1	11/27/2006	
o-Xylene	BQL	2.00	0.584	1	11/27/2006	

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	45.2	113

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: LMC

SGS

Results for Volatiles
by GC 602

Client Sample ID: Trip Blank
Client Project ID: NV015
Lab Sample ID: G650-93-16A
Lab Project ID: G650-93

Analyzed By: RSB
Date Collected: 11/14/2006 0:00
Date Received: 11/15/2006
Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.183	1	11/27/2006	
Diisopropyl ether (DIPE)	BQL	1.00	0.229	1	11/27/2006	
Ethylbenzene	BQL	1.00	0.181	1	11/27/2006	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.359	1	11/27/2006	
Toluene	BQL	1.00	0.157	1	11/27/2006	
m/p-Xylene	BQL	2.00	0.481	1	11/27/2006	
o-Xylene	BQL	2.00	0.584	1	11/27/2006	

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	45.5	114

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: _____
Copy of GC-VOA_WA.XLS

SGS

Results for Volatiles

by GC 602

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: VBLK5112706A
Lab Project ID:

Analyzed By: RSB
Date Collected:
Date Received:
Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.183	1	11/27/2006	
Diisopropyl ether (DIPE)	BQL	1.00	0.229	1	11/27/2006	
Ethylbenzene	BQL	1.00	0.181	1	11/27/2006	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.359	1	11/27/2006	
Toluene	BQL	1.00	0.157	1	11/27/2006	
m/p-Xylene	BQL	2.00	0.481	1	11/27/2006	
o-Xylene	BQL	2.00	0.584	1	11/27/2006	

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	44.7	112

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: [signature]

SGS

Results for Volatiles
by GC 602

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: VBLK3111706A
Lab Project ID:

Analyzed By: RSB
Date Collected:
Date Received:
Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.183	1	11/17/2006	
Diisopropyl ether (DIPE)	BQL	1.00	0.229	1	11/17/2006	
Ethylbenzene	BQL	1.00	0.181	1	11/17/2006	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.359	1	11/17/2006	
Toluene	BQL	1.00	0.157	1	11/17/2006	
m/p-Xylene	BQL	2.00	0.481	1	11/17/2006	
o-Xylene	BQL	2.00	0.584	1	11/17/2006	

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	40.3	101

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: _____

SGS

Results for MS-MSD

Method: 601 **Spike[ppb] : 10**

Sample : 112706/117b
MS : 112706/119b
MSD : 112706/120b

	µg/L			%REC		Limits	
Compound	Sam.	MS	MSD	MS	MSD	Lower	Upper
Bromodichloromethane	ND	10.7	11.2	102	106	42	172
Bromoform	2.15	7.8	7.8	56	57	13	159
Bromomethane	ND	9.4	11.7	88	112	D	144
Carbon tetrachloride	ND	27.1	28.4	136	142	43	143
Chlorobenzene	ND	11.2	11.6	112	116	38	150
Chloroethane	ND	16.7	19.2	162 +	187 +	46	137
Chloroform	ND	10.7	11.4	107	114	49	133
Chloromethane	ND	21.6	25.8	214 +	256 +	D	193
Dibromochloromethane	ND	10.0	10.1	92	94	24	191
• 1,2-Dibromoethane	ND	9.8	10.1	98	101	D	206
1,2-Dichlorobenzene	ND	11.1	12.0	111	120	D	208
1,3-Dichlorobenzene	ND	11.3	12.1	113	121	7	187
1,4-Dichlorobenzene	ND	11.5	12.2	115	122	42	143
1,1-Dichloroethane	ND	11.5	12.4	115	124	47	132
1,2-Dichloroethane	ND	11.5	12.2	115	122	51	147
1,1-Dichloroethene	ND	13.5	14.3	135	143	28	167
• cis-1,2-Dichloroethene	ND	23.9	25.3	239 +	253 +	19	181
trans-1,2-Dichloroethene	ND	12.4	13.2	124	132	38	155
1,2-Dichloropropane	ND	2.1	3.8	21 +	38 +	44	156
cis-1,3-Dichloropropene	ND	10.0	10.7	100	107	22	178
trans-1,3-Dichloropropene	ND	8.8	9.4	85	91	22	178
Methylene Chloride	ND	11.4	12.2	114	122	25	162
1,1,2,2-Tertrachloroethane	ND	24.4	52.2	122	261 +	8	184
Tetrachloroethane	ND	10.9	11.2	105	107	26	162
1,1,1-Trichloroethane	ND	12.6	13.3	126	133	41	138
1,1,2-Trichloroethane	ND	11.0	11.5	110	115	39	136
Trichloroethene	ND	12.6	13.5	126	135	35	146
Trichlorofluromethane	ND	16.1	18.0	154	173 +	21	156
Vinyl Chloride	ND	17.5	20.6	170 +	200 +	28	163

Method: 602 **Spike[ppb] : 10**

Sample : 112706/017f
MS : 112706/019f
MSD : 112706/020f

	µg/L			%REC		Limits	
Compound	Sam.	MS	MSD	MS	MSD	Lower	Upper
Benzene	24.7	34.3	34.8	96	101	39	150
Chlorobenzene	ND	9.9	10.2	99	102	55	135
1,2-Dichlorobenzene	ND	5.6	6.0	56	60	37	154
1,3-Dichlorobenzene	ND	20.9	21.8	104	109	50	141
1,4-Dichlorobenzene	ND	9.3	9.8	93	98	42	143
• Diisopropyl ether	3.2	12.9	13.1	97	99	30	170
Ethylbenzene	ND	10.9	11.3	109	113	32	160
• MTBE	13.3	35.2	35.6	109	111	35	165
Toluene	ND	10.6	10.9	106	109	46	148
• m,p-Xylene	ND	21.4	22.1	107	111	D	239
• o-Xylene	ND	20.7	21.5	104	107	36	164

Flags :

+ = out of QC limits.
• = lab generated limits.
D = Detected
ND = None Detected

SGS

Results for QC Check / Labortory Control Spike

Method: 601 **Spike[ppb] : 10**

Filename : 112706/104b

Compound	ppb	Q(%)	QC Limits Lower	QC Limits Upper	P_s(%)	LCS Limits Lower	LCS Limits Upper
Bromodichloromethane	10.6	106.4	76.0	124.0	106	42	172
Bromoform	8.0	80.4	73.5	126.5	80	13	159
Bromomethane	11.8	117.5	58.5	141.5	118	D	144
Carbon tetrachloride	14.2	141.7 +	68.5	131.5	142	43	143
Chlorobenzene	11.8	117.8	72.0	128.0	118	38	150
Chloroethane	18.6	186.4 +	77.0	123.0	186 +	46	137
Chloroform	11.2	111.7	75.0	125.0	112	49	133
Chloromethane	23.2	231.7 +	59.5	140.5	232 +	D	193
Dibromochloromethane	9.8	97.9	65.5	134.5	98	24	191
• 1,2-Dibromoethane	10.1	100.6	13.6	186.4	101	D	206
1,2-Dichlorobenzene	12.1	120.9	70.0	130.0	121	D	208
1,3-Dichlorobenzene	12.2	121.7	49.5	150.5	122	7	187
1,4-Dichlorobenzene	12.4	124.4	69.5	130.5	124	42	143
1,1-Dichloroethane	11.9	119.4 +	84.0	116.0	119	47	132
1,2-Dichloroethane	11.3	113.4	71.5	128.5	113	51	147
1,1-Dichloroethene	14.1	141.2 +	63.0	137.0	141	28	167
• cis-1,2-Dichloroethene	13.0	130.4	34.4	180.6	130	19	181
trans-1,2-Dichloroethene	13.1	130.5	64.0	136.0	131	38	155
1,2-Dichloropropane	2.0	20.2 +	74.0	126.0	20 +	44	156
cis-1,3-Dichloropropene	10.5	104.5	64.0	136.0	105	22	178
trans-1,3-Dichloropropene	9.2	91.6	64.0	136.0	92	22	178
Methylene Chloride	12.0	119.5	77.5	122.5	120	25	162
1,1,2,2-Tertrachloroethane	26.2	131.1	49.0	151.0	131	8	184
Tetrachloroethene	26.6	133.0 +	70.0	130.0	133	26	162
1,1,1-Trichloroethane	13.1	130.9 +	71.0	129.0	131	41	138
1,1,2-Trichloroethane	11.5	114.8	78.5	121.5	115	39	136
Trichloroethene	13.1	131.2 +	77.0	123.0	131	35	146
Trichlorofluromethane	16.1	160.8 +	66.5	133.5	161 +	21	156
Vinyl Chloride	17.4	173.7 +	68.5	131.5	174 +	28	163

Method: 602 **Spike[ppb] : 10**

Filename : 112706/004f

Compound	ppb	Q(%)	QC Limits Lower	QC Limits Upper	P_s(%)	LCS Limits Lower	LCS Limits Upper
Benzene	10.3	102.7	77.0	123.0	103	39	150
Chlorobenzene	10.0	100.1	80.5	119.5	100	55	135
1,2-Dichlorobenzene	5.7	57.5 +	68.0	132.0	57	37	154
1,3-Dichlorobenzene	21.6	108.1	72.5	127.5	108	50	141
1,4-Dichlorobenzene	9.9	98.7	69.5	130.5	99	42	143
• Diisopropyl ether	9.1	91.1	43.1	156.9	91	30	170
Ethylbenzene	11.0	109.9	63.0	137.0	110	32	160
• MTBE	21.4	107.1	46.8	153.2	107	35	165
Toluene	10.6	106.2	77.5	127.0	106	46	148
• m,p-Xylene	21.7	108.4	11.2	188.8	108	D	239
• o-Xylene	10.6	105.5	47.6	152.4	106	36	164

Flags :

+ = out of QC limits.
• = lab generated limits.
D = Detected

SGS

Results for QC Check / Labortory Control Spike

Method: 601 **Spike[ppb] : 10**

Filename : 112706/105b

			QC Limits			LCS Limits	
Compound	**ppb**	**Q(%)**	**Lower**	**Upper**	**P_s(%)**	**Lower**	**Upper**
Bromodichloromethane	7.8	77.7	76.0	124.0	78	42	172
Bromoform	123.5	1234.8 +	73.5	126.5	1235 +	13	159
Bromomethane	18.3	182.7 +	58.5	141.5	183 +	D	144
Carbon tetrachloride	14.4	143.9 +	68.5	131.5	144 +	43	143
Chlorobenzene	25.8	258.3 +	72.0	128.0	258 +	38	150
Chloroethane	24.1	240.8 +	77.0	123.0	241 +	46	137
Chloroform	0.0	0.0 +	75.0	125.0	0 +	49	133
Chloromethane	21.8	218.2 +	59.5	140.5	218 +	D	193
Dibromochloromethane	14.7	147.4 +	65.5	134.5	147	24	191
• 1,2-Dibromoethane	0.0	0.0 +	13.6	186.4	0 +	D	206
1,2-Dichlorobenzene	0.0	0.0 +	70.0	130.0	0 +	D	208
1,3-Dichlorobenzene	16.2	162.1 +	49.5	150.5	162	7	187
1,4-Dichlorobenzene	14.4	144.2 +	69.5	130.5	144 +	42	143
1,1-Dichloroethane	14.8	148.3 +	84.0	116.0	148 +	47	132
1,2-Dichloroethane	14.6	146.0 +	71.5	128.5	146	51	147
1,1-Dichloroethene	15.8	157.6 +	63.0	137.0	158	28	167
• cis-1,2-Dichloroethene	14.8	147.9	34.4	180.6	148	19	181
trans-1,2-Dichloroethene	14.3	143.0 +	64.0	136.0	143	38	155
1,2-Dichloropropane	0.0	0.0 +	74.0	126.0	0 +	44	156
cis-1,3-Dichloropropene	15.6	156.0 +	64.0	136.0	156	22	178
trans-1,3-Dichloropropene	14.2	142.5 +	64.0	136.0	142	22	178
Methylene Chloride	14.3	143.3 +	77.5	122.5	143	25	162
1,1,2,2-Tertrachloroethane	32.5	162.4 +	49.0	151.0	162	8	184
Tetrachloroethene	28.6	143.2 +	70.0	130.0	143	26	162
1,1,1-Trichloroethane	14.6	145.7 +	71.0	129.0	146 +	41	138
1,1,2-Trichloroethane	0.0	0.0 +	78.5	121.5	0 +	39	136
Trichloroethene	13.9	139.5 +	77.0	123.0	139	35	146
Trichlorofluromethane	20.5	204.9 +	66.5	133.5	205 +	21	156
Vinyl Chloride	20.2	201.5 +	68.5	131.5	202 +	28	163

Method: 602 **Spike[ppb] : 10**

Filename : 112706/005f

			QC Limits			LCS Limits	
Compound	**ppb**	**Q(%)**	**Lower**	**Upper**	**P_s(%)**	**Lower**	**Upper**
Benzene	9.8	98.2	77.0	123.0	98	39	150
Chlorobenzene	9.6	95.7	80.5	119.5	96	55	135
1,2-Dichlorobenzene	5.5	55.0 +	68.0	132.0	55	37	154
1,3-Dichlorobenzene	20.3	101.7	72.5	127.5	102	50	141
1,4-Dichlorobenzene	9.4	93.6	69.5	130.5	94	42	143
• Diisopropyl ether	9.0	89.9	43.1	156.9	90	30	170
Ethylbenzene	10.4	104.1	63.0	137.0	104	32	160
• MTBE	20.4	102.1	46.8	153.2	102	35	165
Toluene	10.1	101.0	77.5	127.0	101	46	148
• m,p-Xylene	20.5	102.7	11.2	188.8	103	D	239
• o-Xylene	10.1	100.9	47.6	152.4	101	36	164

Flags :

+ = out of QC limits.
• = lab generated limits.
D = Detected

SGS

Control Limits for MS-MSD

Method: 601 Spike[ppb] : 10
Instrument : gc3
Sample : 111706\017f0101.txt
MS : 111706\019f0101.txt
MSD : 111706\020f0101.txt 5

		µg/L		P(%)		P Limits	
Compound	Sam.	MS	MSD	MS	MSD	Lower	Upper
Bromodichloromethane	ND	12.0	12.3	120	123	42	172
Bromoform	ND	10.4	10.7	104	107	13	159
Bromomethane	ND	7.6	10.2	76	102	D	144
Carbon tetrachloride	ND	13.3	13.5	133	135	43	143
Chlorobenzene	ND	12.9	13.2	129	132	38	150
Chloroethane	ND	10.4	12.2	104	122	46	137
Chloroform	ND	12.6	13.0	126	130	49	133
Chloromethane	ND	9.4	10.8	94	108	D	193
Dibromochloromethane	ND	11.4	11.7	114	117	24	191
• 1,2-Dibromoethane	ND	10.8	11.1	108	111	D	206
1,2-Dichlorobenzene	ND	13.3	13.7	133	137	D	208
1,3-Dichlorobenzene	ND	13.1	13.5	131	135	7	187
1,4-Dichlorobenzene	ND	13.3	13.6	133	136	42	143
1,1-Dichloroethane	ND	14.1	14.4	140 +	143 +	47	132
1,2-Dichloroethane	ND	13.2	13.7	132	137	51	147
1,1-Dichloroethene	ND	14.1	14.5	141	144	28	167
• cis-1,2-Dichloroethene	5.70	18.1	18.4	124	127	19	181
trans-1,2-Dichloroethene	ND	13.5	13.9	135	139	38	155
1,2-Dichloropropane	ND	13.7	14.2	137	142	44	156
cis-1,3-Dichloropropene	ND	11.4	11.7	114	117	22	178
trans-1,3-Dichloropropene	ND	12.0	12.4	120	124	22	178
Methylene Chloride	ND	13.1	13.4	131	134	25	162
1,1,2,2-Tertrachloroethane	ND	7.0	7.4	70	74	8	184
Tetrachloroethane	ND	12.8	13.1	128	131	26	162
1,1,1-Trichloroethane	2.35	15.2	15.6	129	133	41	138
1,1,2-Trichloroethane	ND	11.8	12.4	118	124	39	136
Trichloroethene	7.40	20.0	20.3	126	129	35	146
Trichlorofluromethane	ND	11.1	12.7	111	127	21	156
Vinyl Chloride	ND	11.2	13.0	112	130	28	163

Method: 602 Spike[ppb] : 10
Instrument : gc3
Sample : 111706\017r0101.txt
MS : 111706\019r0101.txt
MSD : 111706\020r0101.txt

		µg/L		P(%)		P Limits	
Compound	Sam.	MS	MSD	MS	MSD	Lower	Upper
Benzene	ND	11.0	11.2	110	112	39	150
Chlorobenzene	ND	10.7	11.0	107	110	55	135
1,2-Dichlorobenzene	ND	10.5	10.8	105	108	37	154
1,3-Dichlorobenzene	ND	10.6	10.8	106	108	50	141
1,4-Dichlorobenzene	ND	10.5	10.8	105	108	42	143
• Diisopropyl ether	ND	10.9	11.1	109	111	30	170
Ethylbenzene	ND	11.0	11.2	110	112	32	160
• MTBE	ND	11.1	11.4	111	114	35	165
Toluene	ND	11.0	11.2	110	112	46	148
• m,p-Xylene	ND	21.9	22.4	110	112	D	239
• o-Xylene	1.0	11.4	11.6	104	106	36	164

Flags :

+ = out of QC limits.
• = lab generated limits.
D = Detected
ND = None Detected

Reviewed by:

SGS

Control Limits for QC Check / Laboratory Control Spike

Method: 601 Spike[ppb] : 10
Instrument : gc3
Filename : 111706\004f0101.txt

				QC Limits			LCS Limits	
	Compound	ppb	Q(%)	Lower	Upper	P_s(%)	Lower	Upper
	Bromodichloromethane	9.8	98.4	76.0	124.0	98	42	172
	Bromoform	10.3	102.9	73.5	126.5	103	13	159
	Bromomethane	8.4	83.8	58.5	141.5	84	D	144
	Carbon tetrachloride	10.2	101.9	68.5	131.5	102	43	143
	Chlorobenzene	9.6	96.2	72.0	128.0	96	38	150
	Chloroethane	9.6	95.7	77.0	123.0	96	46	137
	Chloroform	10.1	100.7	75.0	125.0	101	49	133
	Chloromethane	7.8	78.0	59.5	140.5	78	D	193
	Dibromochloromethane	9.8	98.0	65.5	134.5	98	24	191
•	1,2-Dibromoethane	9.3	93.0	13.6	186.4	93	D	206
	1,2-Dichlorobenzene	10.0	100.4	70.0	130.0	100	D	208
	1,3-Dichlorobenzene	9.9	99.4	49.5	150.5	99	7	187
	1,4-Dichlorobenzene	10.0	99.8	69.5	130.5	100	42	143
	1,1-Dichloroethane	10.1	100.6	84.0	116.0	101	47	132
	1,2-Dichloroethane	10.1	101.2	71.5	128.5	101	51	147
	1,1-Dichloroethene	10.5	104.7	63.0	137.0	105	28	167
•	cis-1,2-Dichloroethene	10.4	103.6	34.4	180.6	104	19	181
	trans-1,2-Dichloroethene	10.2	101.8	64.0	136.0	102	38	155
	1,2-Dichloropropane	10.1	101.0	74.0	126.0	101	44	156
	cis-1,3-Dichloropropene	11.0	109.8	64.0	136.0	110	22	178
	trans-1,3-Dichloropropene	9.9	98.8	64.0	136.0	99	22	178
	Methylene Chloride	9.9	98.5	77.5	122.5	99	25	162
	1,1,2,2-Tertrachloroethane	10.0	100.4	49.0	151.0	100	8	184
	Tetrachloroethane	10.0	100.0	70.0	130.0	100	26	162
	1,1,1-Trichloroethane	10.1	100.8	71.0	129.0	101	41	138
	1,1,2-Trichloroethane	9.6	95.8	78.5	121.5	96	39	136
	Trichloroethene	9.9	98.6	77.0	123.0	99	35	146
	Trichlorofluromethane	9.8	98.3	66.5	133.5	98	21	156
	Vinyl Chloride	9.5	95.2	68.5	131.5	95	28	163

Method: 602 Spike[ppb] : 10
Instrument : gc3
Filename : 111706\004r0101.txt

				QC Limits			LCS Limits	
	Compound	ppb	Q(%)	Lower	Upper	P_s(%)	Lower	Upper
	Benzene	9.6	96.0	77.0	123.0	96	39	150
	Chlorobenzene	9.4	94.1	80.5	119.5	94	55	135
	1,2-Dichlorobenzene	9.5	95.4	68.0	132.0	95	37	154
	1,3-Dichlorobenzene	9.4	94.1	72.5	127.5	94	50	141
	1,4-Dichlorobenzene	9.4	93.7	69.5	130.5	94	42	143
•	Diisopropyl ether	9.4	93.8	43.1	166.9	94	30	170
	Ethylbenzene	9.6	96.4	63.0	137.0	96	32	160
•	MTBE	9.7	97.3	46.8	153.2	97	35	165
	Toluene	9.6	95.7	77.5	127.0	96	46	148
•	m,p-Xylene	19.3	96.6	11.2	188.8	97	D	239
•	o-Xylene	10.0	99.8	47.6	152.4	100	36	164

Flags :

+ = out of QC limits.
• = lab generated limits.
D = Detected

Reviewed by: _____

SGS

Control Limits for QC Check / Laboratory Control Spike

Method: 601 Spike[ppb] : 10
Instrument : gc3
Filename : 111706\005f0101.txt

				QC Limits			LCS Limits	
	Compound	ppb	Q(%)	Lower	Upper	P_s(%)	Lower	Upper
	Bromodichloromethane	9.9	98.8	76.0	124.0	99	42	172
	Bromoform	10.3	102.8	73.5	126.5	103	13	169
	Bromomethane	9.8	98.0	58.5	141.5	98	D	144
	Carbon tetrachloride	10.3	103.1	68.5	131.5	103	43	143
	Chlorobenzene	9.7	97.5	72.0	128.0	97	38	150
	Chloroethane	10.3	103.5	77.0	123.0	103	46	137
	Chloroform	9.9	99.5	75.0	126.0	99	49	133
	Chloromethane	8.4	83.8	59.5	140.5	84	D	193
	Dibromochloromethane	9.8	98.0	65.5	134.5	98	24	191
•	1,2-Dibromoethane	9.4	94.2	13.6	186.4	94	D	206
	1,2-Dichlorobenzene	9.9	99.2	70.0	130.0	99	D	208
	1,3-Dichlorobenzene	10.0	100.5	49.5	150.5	100	7	187
	1,4-Dichlorobenzene	9.9	98.6	69.5	130.5	99	42	143
	1,1-Dichloroethane	10.1	100.9	84.0	116.0	101	47	132
	1,2-Dichloroethane	10.1	100.9	71.5	128.5	101	51	147
	1,1-Dichloroethene	10.6	105.9	63.0	137.0	106	28	167
•	cis-1,2-Dichloroethene	10.3	103.5	34.4	180.6	103	19	181
	trans-1,2-Dichloroethene	10.2	102.3	64.0	136.0	102	38	155
	1,2-Dichloropropane	10.0	100.2	74.0	126.0	100	44	156
	cis-1,3-Dichloropropene	11.0	110.0	64.0	136.0	110	22	178
	trans-1,3-Dichloropropene	9.9	99.2	64.0	136.0	99	22	178
	Methylene Chloride	9.9	99.1	77.5	122.5	99	25	162
	1,1,2,2-Tertrachloroethane	10.0	100.3	49.0	151.0	100	8	184
	Tetrachloroethane	10.0	99.5	70.0	130.0	100	26	162
	1,1,1-Trichloroethane	10.1	101.3	71.0	129.0	101	41	138
	1,1,2-Trichloroethane	9.2	91.5	78.5	121.5	92	39	136
	Trichloroethene	9.9	98.6	77.0	123.0	99	35	146
	Trichlorofluromethane	10.5	105.3	66.5	133.5	105	21	156
	Vinyl Chloride	10.2	102.4	68.5	131.5	102	28	163

Method: 602 Spike[ppb] : 10
Instrument : gc3
Filename : 111706\005r0101.txt

				QC Limits			LCS Limits	
	Compound	ppb	Q(%)	Lower	Upper	P_s(%)	Lower	Upper
	Benzene	10.1	101.0	77.0	123.0	101	39	150
	Chlorobenzene	10.0	99.6	80.5	119.5	100	55	135
	1,2-Dichlorobenzene	10.0	100.0	68.0	132.0	100	37	154
	1,3-Dichlorobenzene	9.9	99.1	72.5	127.5	99	50	141
	1,4-Dichlorobenzene	9.9	98.6	69.5	130.5	99	42	143
•	Diisopropyl ether	9.9	99.3	43.1	156.9	99	30	170
	Ethylbenzene	10.2	101.8	63.0	137.0	102	32	160
•	MTBE	10.2	102.5	46.8	153.2	102	35	165
	Toluene	10.1	101.1	77.5	127.0	101	46	148
•	m,p-Xylene	20.4	102.0	11.2	188.8	102	D	239
•	o-Xylene	10.5	105.3	47.6	152.4	105	36	164

Flags :

+ = out of QC limits.
• = lab generated limits.
D = Detected

Reviewed by: _____

SGS

Results for Metals

Client Sample ID: UST45/S941-MW06
Client Project ID: NV015
Lab Sample ID: G650-93-1
Lab Project ID: G650-93
Batch ID: 6694

Analyzed By: PSW
Date Collected: 11/13/2006 10:03
Date Received: 11/15/2006
Matrix: WATER

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	BQL	5.00	0.470	25	UG/L	6020	11/20/2006	

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL
Samples Prepared by 3030C

Reviewed By: _____
MET_LIMS_4.1.XLS

SGS

Results for Metals

Client Sample ID:	UST45/S941-MW08	Analyzed By:	PSW
Client Project ID:	NV015	Date Collected:	11/13/2006 9:22
Lab Sample ID:	G650-93-2	Date Received:	11/15/2006
Lab Project ID:	G650-93	Matrix:	WATER
Batch ID:	6694		

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	BQL	5.00	0.470	25	UG/L	6020	11/20/2006	

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL
Samples Prepared by 3030C

Reviewed By: _____
MET_LIMS_4.1.XLS

SGS

Results for Metals

Client Sample ID:	UST45/S941-MW19	Analyzed By:	PSW
Client Project ID:	NV015	Date Collected:	11/13/2006 11:53
Lab Sample ID:	G650-93-3	Date Received:	11/15/2006
Lab Project ID:	G650-93	Matrix:	WATER
Batch ID:	6694		

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	BQL	5.00	0.470	25	UG/L	6020	11/20/2006	

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL
Samples Prepared by 3030C

Reviewed By: _____
MET_LIMS_4.1.XLS

SGS

Results for Metals

Client Sample ID:	UST45/S941-MW20	Analyzed By:	PSW
Client Project ID:	NV015	Date Collected:	11/13/2006 12:30
Lab Sample ID:	G650-93-4	Date Received:	11/15/2006
Lab Project ID:	G650-93	Matrix:	WATER
Batch ID:	6694		

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	BQL	5.00	0.470	25	UG/L	6020	11/20/2006	

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL
Samples Prepared by 3030C

Reviewed By: _____
MET_LIMS_4.1.XLS

SGS

Results for Metals

Client Sample ID:	UST45/S941-MW07	Analyzed By:	PSW
Client Project ID:	NV015	Date Collected:	11/13/2006 13:20
Lab Sample ID:	G650-93-5	Date Received:	11/15/2006
Lab Project ID:	G650-93	Matrix:	WATER
Batch ID:	6694		

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	BQL	5.00	0.470	25	UG/L	6020	11/20/2006	

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL
Samples Prepared by 3030C

Reviewed By: _____
MET_LIMS_4.1.XLS

SGS

Results for Metals

Client Sample ID:	UST45/S941-MW09	Analyzed By:	PSW
Client Project ID:	NV015	Date Collected:	11/13/2006 13:55
Lab Sample ID:	G650-93-6	Date Received:	11/15/2006
Lab Project ID:	G650-93	Matrix:	WATER
Batch ID:	6694		

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	BQL	5.00	0.470	25	UG/L	6020	11/20/2006	

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL
Samples Prepared by 3030C

Reviewed By: _____
MET_LIMS_4.1.XLS

SGS

Results for Metals

Client Sample ID: UST45/S941-MW17
Client Project ID: NV015
Lab Sample ID: G650-93-7
Lab Project ID: G650-93
Batch ID: 6694

Analyzed By: PSW
Date Collected: 11/13/2006 14:37
Date Received: 11/15/2006
Matrix: WATER

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	BQL	5.00	0.470	25	UG/L	6020	11/20/2006	

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL
Samples Prepared by 3030C

Reviewed By:
MET_LIMS_4.1.XLS

SGS

Results for Metals

Client Sample ID:	UST45/S941-Duplicate	Analyzed By:	PSW
Client Project ID:	NV015	Date Collected:	11/13/2006 0:00
Lab Sample ID:	G650-93-8	Date Received:	11/15/2006
Lab Project ID:	G650-93	Matrix:	WATER
Batch ID:	6694		

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	BQL	5.00	0.470	25	UG/L	6020	11/20/2006	

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL
Samples Prepared by 3030C

Reviewed By: _____
MET_LIMS_4.1.XLS

SGS

Results for Metals

Client Sample ID:	UST45/S941-MW05	Analyzed By:	PSW
Client Project ID:	NV015	Date Collected:	11/14/2006 11:27
Lab Sample ID:	G650-93-9	Date Received:	11/15/2006
Lab Project ID:	G650-93	Matrix:	WATER
Batch ID:	6694		

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	BQL	5.00	0.470	25	UG/L	6020	11/20/2006	

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL
Samples Prepared by 3030C

Reviewed By: hwu
MET_LIMS_4.1.XLS

SGS

Results for Metals

Client Sample ID:	UST45/S941-PW01R	Analyzed By:	PSW
Client Project ID:	NV015	Date Collected:	11/14/2006 12:20
Lab Sample ID:	G650-93-10	Date Received:	11/15/2006
Lab Project ID:	G650-93	Matrix:	WATER
Batch ID:	6694		

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	BQL	5.00	0.470	25	UG/L	6020	11/20/2006	

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL
Samples Prepared by 3030C

Reviewed By: _____
MET_LIMS_4.1.XLS

SGS

Results for Metals

Client Sample ID:	UST45/S941-MW03R	Analyzed By:	PSW
Client Project ID:	NV015	Date Collected:	11/14/2006 12:35
Lab Sample ID:	G650-93-11	Date Received:	11/15/2006
Lab Project ID:	G650-93	Matrix:	WATER
Batch ID:	6694		

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	BQL	5.00	0.470	25	UG/L	6020	11/20/2006	

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL
Samples Prepared by 3030C

Reviewed By: RML
MET_LIMS_4.1.XLS

SGS

Results for Metals

Client Sample ID:	UST45/S941-MW02R	Analyzed By:	PSW
Client Project ID:	NV015	Date Collected:	11/14/2006 12:58
Lab Sample ID:	G650-93-12	Date Received:	11/15/2006
Lab Project ID:	G650-93	Matrix:	WATER
Batch ID:	6694		

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	BQL	5.00	0.470	25	UG/L	6020	11/20/2006	

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL
Samples Prepared by 3030C

Reviewed By: _____
MET_LIMS_4.1.XLS

SGS

Results for Metals

Client Sample ID:	UST45/S941-MW04/45	Analyzed By:	PSW
Client Project ID:	NV015	Date Collected:	11/14/2006 14:40
Lab Sample ID:	G650-93-13	Date Received:	11/15/2006
Lab Project ID:	G650-93	Matrix:	WATER
Batch ID:	6694		

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	BQL	5.00	0.470	25	UG/L	6020	11/20/2006	

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL
Samples Prepared by 3030C

Reviewed By: RMC
MET_LIMS_4.1.XLS

SGS

Results for Metals

Client Sample ID:	UST45/S941-MW21	Analyzed By:	PSW
Client Project ID:	NV015	Date Collected:	11/14/2006 15:12
Lab Sample ID:	G650-93-14	Date Received:	11/15/2006
Lab Project ID:	G650-93	Matrix:	WATER
Batch ID:	6694		

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	BQL	5.00	0.470	25	UG/L	6020	11/20/2006	

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL
Samples Prepared by 3030C

Reviewed By: RML
MET_LIMS_4.1.XLS

SGS

Results for Metals

Client Sample ID:	UST45/S941-MW14	Analyzed By:	PSW
Client Project ID:	NV015	Date Collected:	11/14/2006 15:30
Lab Sample ID:	G650-93-15	Date Received:	11/15/2006
Lab Project ID:	G650-93	Matrix:	WATER
Batch ID:	6694		

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	BQL	5.00	0.470	25	UG/L	6020	11/20/2006	

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL
Samples Prepared by 3030C

Reviewed By: _____
MET_LIMS_4.1.XLS

SGS

Results for Metals

Client Sample ID: Lab Blank
Client Project ID:
Lab Sample ID: pb6694
Lab Project ID:
Batch ID: 6694

Analyzed By: PSW
Date Collected:
Date Received:
Matrix: WATER

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	BQL	5.00	0.470	25	UG/L	6020	11/20/2006	

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL
Samples Prepared by 3030C

Reviewed By:
MET_LIMS_4.1.XLS

SGS

METALS Results for LCS/LCD

ICP Batch: 6694
HG Batch:
Other:

Matrix: WATER
Units: MG/L

Analyte	TRUE Value	LCS	LCS %REC		LCD	LCD %REC	Limit Lower	Limit Upper	RPD		RPD Limit
Lead	0.400	0.382	95.5		0.387	96.8	80	120	1.30		20

Reviewed By: _____

SGS

MS/MSD Results for METALS

Lab ID: G650-93-7
MS Lab ID: G650-93-7
MSD Lab ID: G650-93-7
ICP Batch: 6694
HG Batch:
Other:

Analyzed By: PSW
Matrix: Water
Units: MG/L

Analyte	Sample Result	SA MS	MS Result	MS %REC	SA MSD	MSD Result	MSD %REC	Limit Lower	Limit Upper	RPD	RPD Limit
Lead	BQL	0.400	0.382	95.5	0.400	0.381	95.3	75	125	0.262	20

Comments

*=Out of Limits
NA = Not applicable, due to sample concentration greater than three times spike concentration

Reviewed By: _____

SGS

Results for Semivolatiles
by GCMS 625

Client Sample ID: UST45/S941-MW06
Client Project ID: NV015
Lab Sample ID: G650-93-1G
Lab Project ID: G650-93

Analyzed By: EAW
Date Collected: 11/13/2006 10:03
Date Received: 11/15/2006
Date Extracted: 11/20/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	1.30	10.0	1.22	1	11/21/2006	J
Acenaphthylene	BQL	10.0	1.12	1	11/21/2006	
Anthracene	BQL	10.0	1.75	1	11/21/2006	
Benzo[a]anthracene	BQL	10.0	1.36	1	11/21/2006	
Benzo[a]pyrene	BQL	10.0	1.27	1	11/21/2006	
Benzo[b]fluoranthene	BQL	10.0	1.43	1	11/21/2006	
Benzo[g,h,i]perylene	BQL	10.0	4.57	1	11/21/2006	
Benzo[k]fluoranthene	BQL	10.0	1.09	1	11/21/2006	
Bis(2-chloroethoxy)methane	BQL	10.0	1.11	1	11/21/2006	
Bis(2-chloroethyl)ether	BQL	10.0	1.09	1	11/21/2006	
Bis(2-chloroisopropyl)ether	BQL	10.0	1.57	1	11/21/2006	
Bis(2-ethylhexyl)phthalate	BQL	10.0	1.33	1	11/21/2006	
4-bromophenyl phenyl ether	BQL	10.0	1.99	1	11/21/2006	
Butylbenzylphthalate	BQL	10.0	1.53	1	11/21/2006	
2-Chloronaphthalene	BQL	10.0	1.25	1	11/21/2006	
2-Chlorophenol	BQL	10.0	4.22	1	11/21/2006	
4-Chloro-3-methylphenol	BQL	10.0	3.26	1	11/21/2006	
4-Chlorophenyl phenyl ether	BQL	10.0	1.42	1	11/21/2006	
Chrysene	BQL	10.0	1.11	1	11/21/2006	
Dibenzo[a,h]anthracene	BQL	10.0	4.87	1	11/21/2006	
Di-n-Butylphthalate	BQL	10.0	1.65	1	11/21/2006	
1,2-Dichlorobenzene	BQL	10.0	1.25	1	11/21/2006	
1,3-Dichlorobenzene	BQL	10.0	1.24	1	11/21/2006	
1,4-Dichlorobenzene	BQL	10.0	1.20	1	11/21/2006	
3,3'-Dichlorobenzidine	BQL	20.0	4.10	1	11/21/2006	
2,4-Dichlorophenol	BQL	10.0	3.75	1	11/21/2006	
Diethylphthalate	BQL	10.0	1.48	1	11/21/2006	
Dimethylphthalate	BQL	10.0	1.04	1	11/21/2006	
2,4-Dimethylphenol	BQL	10.0	9.25	1	11/21/2006	
Di-n-octylphthalate	BQL	10.0	1.16	1	11/21/2006	
4,6-Dinitro-2-methylphenol	BQL	50.0	3.71	1	11/21/2006	
2,4-Dinitrophenol	BQL	50.0	4.20	1	11/21/2006	
2,4-Dinitrotoluene	BQL	10.0	1.52	1	11/21/2006	
2,6-Dinitrotoluene	BQL	10.0	1.41	1	11/21/2006	
Diphenylamine *	BQL	10.0	1.53	1	11/21/2006	
Fluoranthene	BQL	10.0	1.41	1	11/21/2006	
Fluorene	BQL	10.0	1.22	1	11/21/2006	
Hexachlorobenzene	BQL	10.0	1.22	1	11/21/2006	
Hexachlorobutadiene	BQL	10.0	1.58	1	11/21/2006	
Hexachlorocyclopentadiene	BQL	20.0	20.0	1	11/21/2006	
Hexachloroethane	BQL	10.0	1.58	1	11/21/2006	
Indeno(1,2,3-c,d)pyrene	BQL	10.0	4.57	1	11/21/2006	
Isophorone	BQL	10.0	1.27	1	11/21/2006	
Naphthalene	BQL	10.0	1.08	1	11/21/2006	

SGS

Results for Semivolatiles
by GCMS 625

Client Sample ID: UST45/S941-MW06
Client Project ID: NV015
Lab Sample ID: G650-93-1G
Lab Project ID: G650-93

Analyzed By: EAW
Date Collected: 11/13/2006 10:03
Date Received: 11/15/2006
Date Extracted: 11/20/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Nitrobenzene	BQL	10.0	1.32	1	11/21/2006	
2-Nitrophenol	BQL	10.0	3.52	1	11/21/2006	
4-Nitrophenol	BQL	50.0	3.17	1	11/21/2006	
N-Nitrosodi-n-propylamine	BQL	10.0	1.87	1	11/21/2006	
Pentachlorophenol	BQL	50.0	2.83	1	11/21/2006	
Phenanthrene	BQL	10.0	1.38	1	11/21/2006	
Phenol	BQL	10.0	3.38	1	11/21/2006	
Pyrene	BQL	10.0	2.08	1	11/21/2006	
1,2,4-Trichlorobenzene	BQL	10.0	1.33	1	11/21/2006	
2,4,6-Trichlorophenol	BQL	10.0	2.92	1	11/21/2006	

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.1	91
2-Fluorophenol	10	9	90
Nitrobenzene-d5	10	8.6	86
Phenol-d6	10	9.4	94
2,4,6-Tribromophenol	10	10.4	104
4-Terphenyl-d14	10	12.8	128

Comments:
* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:
BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By: _____

SGS

Results of Library Search for Semivolatile Compounds

by GCMS

Client Sample ID: UST45/S941-MW06
Client Project ID: NV015
Lab Sample ID: G650-93-1G
Lab Project ID: G650-93
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: EAW
Date Collected: 11/13/2006 10:03
Date Received: 11/15/2006
Date Extracted: 11/20/2006
Date Analyzed: 11/21/2006
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Unknown	12.15			11.9
2					
3					
4					
5					
6					
7					
8					
9					
10					

Comment:

Tentatively Identified Compound (TIC) refers to substances which are not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist.

Quantitation is accomplished by relative peak area of the compound compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is equal to or greater than 10% of that of the nearest internal standard. Quantitation provided is an estimate.

Reviewed by: _____

SGS

Results for Semivolatiles
by GCMS 625

Client Sample ID: UST45/S941-MW08
Client Project ID: NV015
Lab Sample ID: G650-93-2G
Lab Project ID: G650-93

Analyzed By: EAW
Date Collected: 11/13/2006 9:22
Date Received: 11/15/2006
Date Extracted: 11/20/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	10.0	1.22	1	11/21/2006	
Acenaphthylene	BQL	10.0	1.12	1	11/21/2006	
Anthracene	BQL	10.0	1.75	1	11/21/2006	
Benzo[a]anthracene	BQL	10.0	1.36	1	11/21/2006	
Benzo[a]pyrene	BQL	10.0	1.27	1	11/21/2006	
Benzo[b]fluoranthene	BQL	10.0	1.43	1	11/21/2006	
Benzo[g,h,i]perylene	BQL	10.0	4.57	1	11/21/2006	
Benzo[k]fluoranthene	BQL	10.0	1.09	1	11/21/2006	
Bis(2-chloroethoxy)methane	BQL	10.0	1.11	1	11/21/2006	
Bis(2-chloroethyl)ether	BQL	10.0	1.09	1	11/21/2006	
Bis(2-chloroisopropyl)ether	BQL	10.0	1.57	1	11/21/2006	
Bis(2-ethylhexyl)phthalate	BQL	10.0	1.33	1	11/21/2006	
4-bromophenyl phenyl ether	BQL	10.0	1.99	1	11/21/2006	
Butylbenzylphthalate	BQL	10.0	1.53	1	11/21/2006	
2-Chloronaphthalene	BQL	10.0	1.25	1	11/21/2006	
2-Chlorophenol	BQL	10.0	4.22	1	11/21/2006	
4-Chloro-3-methylphenol	BQL	10.0	3.26	1	11/21/2006	
4-Chlorophenyl phenyl ether	BQL	10.0	1.42	1	11/21/2006	
Chrysene	BQL	10.0	1.11	1	11/21/2006	
Dibenzo[a,h]anthracene	BQL	10.0	4.87	1	11/21/2006	
Di-n-Butylphthalate	BQL	10.0	1.65	1	11/21/2006	
1,2-Dichlorobenzene	BQL	10.0	1.25	1	11/21/2006	
1,3-Dichlorobenzene	BQL	10.0	1.24	1	11/21/2006	
1,4-Dichlorobenzene	BQL	10.0	1.20	1	11/21/2006	
3,3'-Dichlorobenzidine	BQL	20.0	4.10	1	11/21/2006	
2,4-Dichlorophenol	BQL	10.0	3.75	1	11/21/2006	
Diethylphthalate	BQL	10.0	1.48	1	11/21/2006	
Dimethylphthalate	BQL	10.0	1.04	1	11/21/2006	
2,4-Dimethylphenol	BQL	10.0	9.25	1	11/21/2006	
Di-n-octylphthalate	BQL	10.0	1.16	1	11/21/2006	
4,6-Dinitro-2-methylphenol	BQL	50.0	3.71	1	11/21/2006	
2,4-Dinitrophenol	BQL	50.0	4.20	1	11/21/2006	
2,4-Dinitrotoluene	BQL	10.0	1.52	1	11/21/2006	
2,6-Dinitrotoluene	BQL	10.0	1.41	1	11/21/2006	
Diphenylamine *	BQL	10.0	1.53	1	11/21/2006	
Fluoranthene	BQL	10.0	1.41	1	11/21/2006	
Fluorene	BQL	10.0	1.22	1	11/21/2006	
Hexachlorobenzene	BQL	10.0	1.22	1	11/21/2006	
Hexachlorobutadiene	BQL	10.0	1.58	1	11/21/2006	
Hexachlorocyclopentadiene	BQL	20.0	20.0	1	11/21/2006	
Hexachloroethane	BQL	10.0	1.58	1	11/21/2006	
Indeno(1,2,3-c,d)pyrene	BQL	10.0	4.57	1	11/21/2006	
Isophorone	BQL	10.0	1.27	1	11/21/2006	
Naphthalene	BQL	10.0	1.08	1	11/21/2006	

SGS

Results for Semivolatiles
by GCMS 625

Client Sample ID: UST45/S941-MW08
Client Project ID: NV015
Lab Sample ID: G650-93-2G
Lab Project ID: G650-93

Analyzed By: EAW
Date Collected: 11/13/2006 9:22
Date Received: 11/15/2006
Date Extracted: 11/20/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Nitrobenzene	BQL	10.0	1.32	1	11/21/2006	
2-Nitrophenol	BQL	10.0	3.52	1	11/21/2006	
4-Nitrophenol	BQL	50.0	3.17	1	11/21/2006	
N-Nitrosodi-n-propylamine	BQL	10.0	1.87	1	11/21/2006	
Pentachlorophenol	BQL	50.0	2.83	1	11/21/2006	
Phenanthrene	BQL	10.0	1.38	1	11/21/2006	
Phenol	BQL	10.0	3.38	1	11/21/2006	
Pyrene	BQL	10.0	2.08	1	11/21/2006	
1,2,4-Trichlorobenzene	BQL	10.0	1.33	1	11/21/2006	
2,4,6-Trichlorophenol	BQL	10.0	2.92	1	11/21/2006	

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.9	89
2-Fluorophenol	10	8.7	87
Nitrobenzene-d5	10	8.3	83
Phenol-d6	10	9.1	91
2,4,6-Tribromophenol	10	10.1	101
4-Terphenyl-d14	10	9.7	97

Comments:

* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:

BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By: _____

SGS

Results of Library Search for Semivolatile Compounds

by GCMS

Client Sample ID: UST45/S941-MW08
Client Project ID: NV015
Lab Sample ID: G650-93-2G
Lab Project ID: G650-93
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: EAW
Date Collected: 11/13/2006 9:22
Date Received: 11/15/2006
Date Extracted: 11/20/2006
Date Analyzed: 11/21/2006
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Unknown	12.15			12.5
2					
3					
4					
5					
6					
7					
8					
9					
10					

Comment:

Tentatively Identified Compound (TIC) refers to substances which are not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist.

Quantitation is accomplished by relative peak area of the compound compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is equal to or greater than 10% of that of the nearest internal standard. Quantitation provided is an estimate.

Reviewed by: AML

SGS

Results for Semivolatiles
by GCMS 625

Client Sample ID: UST45/S941-MW19
Client Project ID: NV015
Lab Sample ID: G650-93-3G
Lab Project ID: G650-93

Analyzed By: EAW
Date Collected: 11/13/2006 11:53
Date Received: 11/15/2006
Date Extracted: 11/20/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	10.0	1.22	1	11/21/2006	
Acenaphthylene	BQL	10.0	1.12	1	11/21/2006	
Anthracene	BQL	10.0	1.75	1	11/21/2006	
Benzo[a]anthracene	BQL	10.0	1.36	1	11/21/2006	
Benzo[a]pyrene	BQL	10.0	1.27	1	11/21/2006	
Benzo[b]fluoranthene	BQL	10.0	1.43	1	11/21/2006	
Benzo[g,h,i]perylene	BQL	10.0	4.57	1	11/21/2006	
Benzo[k]fluoranthene	BQL	10.0	1.09	1	11/21/2006	
Bis(2-chloroethoxy)methane	BQL	10.0	1.11	1	11/21/2006	
Bis(2-chloroethyl)ether	BQL	10.0	1.09	1	11/21/2006	
Bis(2-chloroisopropyl)ether	BQL	10.0	1.57	1	11/21/2006	
Bis(2-ethylhexyl)phthalate	BQL	10.0	1.33	1	11/21/2006	
4-bromophenyl phenyl ether	BQL	10.0	1.99	1	11/21/2006	
Butylbenzylphthalate	BQL	10.0	1.53	1	11/21/2006	
2-Chloronaphthalene	BQL	10.0	1.25	1	11/21/2006	
2-Chlorophenol	BQL	10.0	4.22	1	11/21/2006	
4-Chloro-3-methylphenol	BQL	10.0	3.26	1	11/21/2006	
4-Chlorophenyl phenyl ether	BQL	10.0	1.42	1	11/21/2006	
Chrysene	BQL	10.0	1.11	1	11/21/2006	
Dibenzo[a,h]anthracene	BQL	10.0	4.87	1	11/21/2006	
Di-n-Butylphthalate	BQL	10.0	1.65	1	11/21/2006	
1,2-Dichlorobenzene	BQL	10.0	1.25	1	11/21/2006	
1,3-Dichlorobenzene	BQL	10.0	1.24	1	11/21/2006	
1,4-Dichlorobenzene	BQL	10.0	1.20	1	11/21/2006	
3,3'-Dichlorobenzidine	BQL	20.0	4.10	1	11/21/2006	
2,4-Dichlorophenol	BQL	10.0	3.75	1	11/21/2006	
Diethylphthalate	BQL	10.0	1.48	1	11/21/2006	
Dimethylphthalate	BQL	10.0	1.04	1	11/21/2006	
2,4-Dimethylphenol	BQL	10.0	9.25	1	11/21/2006	
Di-n-octylphthalate	BQL	10.0	1.16	1	11/21/2006	
4,6-Dinitro-2-methylphenol	BQL	50.0	3.71	1	11/21/2006	
2,4-Dinitrophenol	BQL	50.0	4.20	1	11/21/2006	
2,4-Dinitrotoluene	BQL	10.0	1.52	1	11/21/2006	
2,6-Dinitrotoluene	BQL	10.0	1.41	1	11/21/2006	
Diphenylamine *	BQL	10.0	1.53	1	11/21/2006	
Fluoranthene	BQL	10.0	1.41	1	11/21/2006	
Fluorene	BQL	10.0	1.22	1	11/21/2006	
Hexachlorobenzene	BQL	10.0	1.22	1	11/21/2006	
Hexachlorobutadiene	BQL	10.0	1.58	1	11/21/2006	
Hexachlorocyclopentadiene	BQL	20.0	20.0	1	11/21/2006	
Hexachloroethane	BQL	10.0	1.58	1	11/21/2006	
Indeno(1,2,3-c,d)pyrene	BQL	10.0	4.57	1	11/21/2006	
Isophorone	BQL	10.0	1.27	1	11/21/2006	
Naphthalene	BQL	10.0	1.08	1	11/21/2006	

SGS

Results for Semivolatiles
by GCMS 625

Client Sample ID: UST45/S941-MW19
Client Project ID: NV015
Lab Sample ID: G650-93-3G
Lab Project ID: G650-93

Analyzed By: EAW
Date Collected: 11/13/2006 11:53
Date Received: 11/15/2006
Date Extracted: 11/20/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Nitrobenzene	BQL	10.0	1.32	1	11/21/2006	
2-Nitrophenol	BQL	10.0	3.52	1	11/21/2006	
4-Nitrophenol	BQL	50.0	3.17	1	11/21/2006	
N-Nitrosodi-n-propylamine	BQL	10.0	1.87	1	11/21/2006	
Pentachlorophenol	BQL	50.0	2.83	1	11/21/2006	
Phenanthrene	BQL	10.0	1.38	1	11/21/2006	
Phenol	BQL	10.0	3.38	1	11/21/2006	
Pyrene	BQL	10.0	2.08	1	11/21/2006	
1,2,4-Trichlorobenzene	BQL	10.0	1.33	1	11/21/2006	
2,4,6-Trichlorophenol	BQL	10.0	2.92	1	11/21/2006	

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9	90
2-Fluorophenol	10	9	90
Nitrobenzene-d5	10	8.4	84
Phenol-d6	10	9.2	92
2,4,6-Tribromophenol	10	10.3	103
4-Terphenyl-d14	10	9.7	97

Comments:
* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:
BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By: _____

SGS

Results of Library Search for Semivolatile Compounds

by GCMS

Client Sample ID: UST45/S941-MW19
Client Project ID: NV015
Lab Sample ID: G650-93-3G
Lab Project ID: G650-93
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: EAW
Date Collected: 11/13/2006 11:53
Date Received: 11/15/2006
Date Extracted: 11/20/2006
Date Analyzed: 11/21/2006
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Unknown	12.15			13.8
2					
3					
4					
5					
6					
7					
8					
9					
10					

Comment:

Tentatively Identified Compound (TIC) refers to substances which are not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist.

Quantitation is accomplished by relative peak area of the compound compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is equal to or greater than 10% of that of the nearest internal standard. Quantitation provided is an estimate.

Reviewed by: _____

SGS

Results for Semivolatiles
by GCMS 625

Client Sample ID: UST45/S941-MW20
Client Project ID: NV015
Lab Sample ID: G650-93-4G
Lab Project ID: G650-93

Analyzed By: EAW
Date Collected: 11/13/2006 12:30
Date Received: 11/15/2006
Date Extracted: 11/20/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	10.0	1.22	1	11/21/2006	
Acenaphthylene	BQL	10.0	1.12	1	11/21/2006	
Anthracene	BQL	10.0	1.75	1	11/21/2006	
Benzo[a]anthracene	BQL	10.0	1.36	1	11/21/2006	
Benzo[a]pyrene	BQL	10.0	1.27	1	11/21/2006	
Benzo[b]fluoranthene	BQL	10.0	1.43	1	11/21/2006	
Benzo[g,h,i]perylene	BQL	10.0	4.57	1	11/21/2006	
Benzo[k]fluoranthene	BQL	10.0	1.09	1	11/21/2006	
Bis(2-chloroethoxy)methane	BQL	10.0	1.11	1	11/21/2006	
Bis(2-chloroethyl)ether	BQL	10.0	1.09	1	11/21/2006	
Bis(2-chloroisopropyl)ether	BQL	10.0	1.57	1	11/21/2006	
Bis(2-ethylhexyl)phthalate	BQL	10.0	1.33	1	11/21/2006	
4-bromophenyl phenyl ether	BQL	10.0	1.99	1	11/21/2006	
Butylbenzylphthalate	BQL	10.0	1.53	1	11/21/2006	
2-Chloronaphthalene	BQL	10.0	1.25	1	11/21/2006	
2-Chlorophenol	BQL	10.0	4.22	1	11/21/2006	
4-Chloro-3-methylphenol	BQL	10.0	3.26	1	11/21/2006	
4-Chlorophenyl phenyl ether	BQL	10.0	1.42	1	11/21/2006	
Chrysene	BQL	10.0	1.11	1	11/21/2006	
Dibenzo[a,h]anthracene	BQL	10.0	4.87	1	11/21/2006	
Di-n-Butylphthalate	BQL	10.0	1.65	1	11/21/2006	
1,2-Dichlorobenzene	BQL	10.0	1.25	1	11/21/2006	
1,3-Dichlorobenzene	BQL	10.0	1.24	1	11/21/2006	
1,4-Dichlorobenzene	BQL	10.0	1.20	1	11/21/2006	
3,3'-Dichlorobenzidine	BQL	20.0	4.10	1	11/21/2006	
2,4-Dichlorophenol	BQL	10.0	3.75	1	11/21/2006	
Diethylphthalate	BQL	10.0	1.48	1	11/21/2006	
Dimethylphthalate	BQL	10.0	1.04	1	11/21/2006	
2,4-Dimethylphenol	BQL	10.0	9.25	1	11/21/2006	
Di-n-octylphthalate	BQL	10.0	1.16	1	11/21/2006	
4,6-Dinitro-2-methylphenol	BQL	50.0	3.71	1	11/21/2006	
2,4-Dinitrophenol	BQL	50.0	4.20	1	11/21/2006	
2,4-Dinitrotoluene	BQL	10.0	1.52	1	11/21/2006	
2,6-Dinitrotoluene	BQL	10.0	1.41	1	11/21/2006	
Diphenylamine *	BQL	10.0	1.53	1	11/21/2006	
Fluoranthene	BQL	10.0	1.41	1	11/21/2006	
Fluorene	BQL	10.0	1.22	1	11/21/2006	
Hexachlorobenzene	BQL	10.0	1.22	1	11/21/2006	
Hexachlorobutadiene	BQL	10.0	1.58	1	11/21/2006	
Hexachlorocyclopentadiene	BQL	20.0	20.0	1	11/21/2006	
Hexachloroethane	BQL	10.0	1.58	1	11/21/2006	
Indeno(1,2,3-c,d)pyrene	BQL	10.0	4.57	1	11/21/2006	
Isophorone	BQL	10.0	1.27	1	11/21/2006	
Naphthalene	BQL	10.0	1.08	1	11/21/2006	

SGS

Results for Semivolatiles
by GCMS 625

Client Sample ID: UST45/S941-MW20
Client Project ID: NV015
Lab Sample ID: G650-93-4G
Lab Project ID: G650-93

Analyzed By: EAW
Date Collected: 11/13/2006 12:30
Date Received: 11/15/2006
Date Extracted: 11/20/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Nitrobenzene	BQL	10.0	1.32	1	11/21/2006	
2-Nitrophenol	BQL	10.0	3.52	1	11/21/2006	
4-Nitrophenol	BQL	50.0	3.17	1	11/21/2006	
N-Nitrosodi-n-propylamine	BQL	10.0	1.87	1	11/21/2006	
Pentachlorophenol	BQL	50.0	2.83	1	11/21/2006	
Phenanthrene	BQL	10.0	1.38	1	11/21/2006	
Phenol	BQL	10.0	3.38	1	11/21/2006	
Pyrene	BQL	10.0	2.08	1	11/21/2006	
1,2,4-Trichlorobenzene	BQL	10.0	1.33	1	11/21/2006	
2,4,6-Trichlorophenol	BQL	10.0	2.92	1	11/21/2006	

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.8	88
2-Fluorophenol	10	8.9	89
Nitrobenzene-d5	10	8.5	85
Phenol-d6	10	9	90
2,4,6-Tribromophenol	10	9.9	99
4-Terphenyl-d14	10	9.8	98

Comments:
* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:
BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By: AMC

SGS

Results of Library Search for Semivolatile Compounds

by GCMS

Client Sample ID: UST45/S941-MW20
Client Project ID: NV015
Lab Sample ID: G650-93-4G
Lab Project ID: G650-93
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: EAW
Date Collected: 11/13/2006 12:30
Date Received: 11/15/2006
Date Extracted: 11/20/2006
Date Analyzed: 11/21/2006
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Unknown	12.15			13.3
2					
3					
4					
5					
6					
7					
8					
9					
10					

Comment:

Tentatively Identified Compound (TIC) refers to substances which are not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist.

Quantitation is accomplished by relative peak area of the compound compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is equal to or greater than 10% of that of the nearest internal standard. Quantitation provided is an estimate.

Reviewed by: _____

SGS

Results for Semivolatiles
by GCMS 625

Client Sample ID: UST45/S941-MW07
Client Project ID: NV015
Lab Sample ID: G650-93-5G
Lab Project ID: G650-93

Analyzed By: EAW
Date Collected: 11/13/2006 13:20
Date Received: 11/15/2006
Date Extracted: 11/20/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	10.0	1.22	1	11/21/2006	
Acenaphthylene	BQL	10.0	1.12	1	11/21/2006	
Anthracene	BQL	10.0	1.75	1	11/21/2006	
Benzo[a]anthracene	BQL	10.0	1.36	1	11/21/2006	
Benzo[a]pyrene	BQL	10.0	1.27	1	11/21/2006	
Benzo[b]fluoranthene	BQL	10.0	1.43	1	11/21/2006	
Benzo[g,h,i]perylene	BQL	10.0	4.57	1	11/21/2006	
Benzo[k]fluoranthene	BQL	10.0	1.09	1	11/21/2006	
Bis(2-chloroethoxy)methane	BQL	10.0	1.11	1	11/21/2006	
Bis(2-chloroethyl)ether	BQL	10.0	1.09	1	11/21/2006	
Bis(2-chloroisopropyl)ether	BQL	10.0	1.57	1	11/21/2006	
Bis(2-ethylhexyl)phthalate	BQL	10.0	1.33	1	11/21/2006	
4-bromophenyl phenyl ether	BQL	10.0	1.99	1	11/21/2006	
Butylbenzylphthalate	BQL	10.0	1.53	1	11/21/2006	
2-Chloronaphthalene	BQL	10.0	1.25	1	11/21/2006	
2-Chlorophenol	BQL	10.0	4.22	1	11/21/2006	
4-Chloro-3-methylphenol	BQL	10.0	3.26	1	11/21/2006	
4-Chlorophenyl phenyl ether	BQL	10.0	1.42	1	11/21/2006	
Chrysene	BQL	10.0	1.11	1	11/21/2006	
Dibenzo[a,h]anthracene	BQL	10.0	4.87	1	11/21/2006	
Di-n-Butylphthalate	BQL	10.0	1.65	1	11/21/2006	
1,2-Dichlorobenzene	BQL	10.0	1.25	1	11/21/2006	
1,3-Dichlorobenzene	BQL	10.0	1.24	1	11/21/2006	
1,4-Dichlorobenzene	BQL	10.0	1.20	1	11/21/2006	
3,3'-Dichlorobenzidine	BQL	20.0	4.10	1	11/21/2006	
2,4-Dichlorophenol	BQL	10.0	3.75	1	11/21/2006	
Diethylphthalate	BQL	10.0	1.48	1	11/21/2006	
Dimethylphthalate	BQL	10.0	1.04	1	11/21/2006	
2,4-Dimethylphenol	BQL	10.0	9.25	1	11/21/2006	
Di-n-octylphthalate	BQL	10.0	1.16	1	11/21/2006	
4,6-Dinitro-2-methylphenol	BQL	50.0	3.71	1	11/21/2006	
2,4-Dinitrophenol	BQL	50.0	4.20	1	11/21/2006	
2,4-Dinitrotoluene	BQL	10.0	1.52	1	11/21/2006	
2,6-Dinitrotoluene	BQL	10.0	1.41	1	11/21/2006	
Diphenylamine *	BQL	10.0	1.53	1	11/21/2006	
Fluoranthene	BQL	10.0	1.41	1	11/21/2006	
Fluorene	BQL	10.0	1.22	1	11/21/2006	
Hexachlorobenzene	BQL	10.0	1.22	1	11/21/2006	
Hexachlorobutadiene	BQL	10.0	1.58	1	11/21/2006	
Hexachlorocyclopentadiene	BQL	20.0	20.0	1	11/21/2006	
Hexachloroethane	BQL	10.0	1.58	1	11/21/2006	
Indeno(1,2,3-c,d)pyrene	BQL	10.0	4.57	1	11/21/2006	
Isophorone	BQL	10.0	1.27	1	11/21/2006	
Naphthalene	BQL	10.0	1.08	1	11/21/2006	

SGS

Results for Semivolatiles
by GCMS 625

Client Sample ID: UST45/S941-MW07
Client Project ID: NV015
Lab Sample ID: G650-93-5G
Lab Project ID: G650-93

Analyzed By: EAW
Date Collected: 11/13/2006 13:20
Date Received: 11/15/2006
Date Extracted: 11/20/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Nitrobenzene	BQL	10.0	1.32	1	11/21/2006	
2-Nitrophenol	BQL	10.0	3.52	1	11/21/2006	
4-Nitrophenol	BQL	50.0	3.17	1	11/21/2006	
N-Nitrosodi-n-propylamine	BQL	10.0	1.87	1	11/21/2006	
Pentachlorophenol	BQL	50.0	2.83	1	11/21/2006	
Phenanthrene	BQL	10.0	1.38	1	11/21/2006	
Phenol	BQL	10.0	3.38	1	11/21/2006	
Pyrene	BQL	10.0	2.08	1	11/21/2006	
1,2,4-Trichlorobenzene	BQL	10.0	1.33	1	11/21/2006	
2,4,6-Trichlorophenol	BQL	10.0	2.92	1	11/21/2006	

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.1	91
2-Fluorophenol	10	8.8	88
Nitrobenzene-d5	10	8.5	85
Phenol-d6	10	9.2	92
2,4,6-Tribromophenol	10	10.2	102
4-Terphenyl-d14	10	11.3	113

Comments:
* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:
BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By: RMV

SGS

Results of Library Search for Semivolatile Compounds

by GCMS

Client Sample ID: UST45/S941-MW07
Client Project ID: NV015
Lab Sample ID: G650-93-5G
Lab Project ID: G650-93
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: EAW
Date Collected: 11/13/2006 13:20
Date Received: 11/15/2006
Date Extracted: 11/20/2006
Date Analyzed: 11/21/2006
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Unknown	12.15			13.4
2					
3					
4					
5					
6					
7					
8					
9					
10					

Comment:

Tentatively Identified Compound (TIC) refers to substances which are not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist.

Quantitation is accomplished by relative peak area of the compound compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is equal to or greater than 10% of that of the nearest internal standard. Quantitation provided is an estimate.

Reviewed by: Rm

SGS

Results for Semivolatiles
by GCMS 625

Client Sample ID: UST45/S941-MW09
Client Project ID: NV015
Lab Sample ID: G650-93-6G
Lab Project ID: G650-93

Analyzed By: EAW
Date Collected: 11/13/2006 13:55
Date Received: 11/15/2006
Date Extracted: 11/20/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	10.0	1.22	1	11/22/2006	
Acenaphthylene	BQL	10.0	1.12	1	11/22/2006	
Anthracene	BQL	10.0	1.75	1	11/22/2006	
Benzo[a]anthracene	BQL	10.0	1.36	1	11/22/2006	
Benzo[a]pyrene	BQL	10.0	1.27	1	11/22/2006	
Benzo[b]fluoranthene	BQL	10.0	1.43	1	11/22/2006	
Benzo[g,h,i]perylene	BQL	10.0	4.57	1	11/22/2006	
Benzo[k]fluoranthene	BQL	10.0	1.09	1	11/22/2006	
Bis(2-chloroethoxy)methane	BQL	10.0	1.11	1	11/22/2006	
Bis(2-chloroethyl)ether	BQL	10.0	1.09	1	11/22/2006	
Bis(2-chloroisopropyl)ether	BQL	10.0	1.57	1	11/22/2006	
Bis(2-ethylhexyl)phthalate	BQL	10.0	1.33	1	11/22/2006	
4-bromophenyl phenyl ether	BQL	10.0	1.99	1	11/22/2006	
Butylbenzylphthalate	BQL	10.0	1.53	1	11/22/2006	
2-Chloronaphthalene	BQL	10.0	1.25	1	11/22/2006	
2-Chlorophenol	BQL	10.0	4.22	1	11/22/2006	
4-Chloro-3-methylphenol	BQL	10.0	3.26	1	11/22/2006	
4-Chlorophenyl phenyl ether	BQL	10.0	1.42	1	11/22/2006	
Chrysene	BQL	10.0	1.11	1	11/22/2006	
Dibenzo[a,h]anthracene	BQL	10.0	4.87	1	11/22/2006	
Di-n-Butylphthalate	BQL	10.0	1.65	1	11/22/2006	
1,2-Dichlorobenzene	BQL	10.0	1.25	1	11/22/2006	
1,3-Dichlorobenzene	BQL	10.0	1.24	1	11/22/2006	
1,4-Dichlorobenzene	BQL	10.0	1.20	1	11/22/2006	
3,3'-Dichlorobenzidine	BQL	20.0	4.10	1	11/22/2006	
2,4-Dichlorophenol	BQL	10.0	3.75	1	11/22/2006	
Diethylphthalate	BQL	10.0	1.48	1	11/22/2006	
Dimethylphthalate	BQL	10.0	1.04	1	11/22/2006	
2,4-Dimethylphenol	BQL	10.0	9.25	1	11/22/2006	
Di-n-octylphthalate	BQL	10.0	1.16	1	11/22/2006	
4,6-Dinitro-2-methylphenol	BQL	50.0	3.71	1	11/22/2006	
2,4-Dinitrophenol	BQL	50.0	4.20	1	11/22/2006	
2,4-Dinitrotoluene	BQL	10.0	1.52	1	11/22/2006	
2,6-Dinitrotoluene	BQL	10.0	1.41	1	11/22/2006	
Diphenylamine *	BQL	10.0	1.53	1	11/22/2006	
Fluoranthene	BQL	10.0	1.41	1	11/22/2006	
Fluorene	BQL	10.0	1.22	1	11/22/2006	
Hexachlorobenzene	BQL	10.0	1.22	1	11/22/2006	
Hexachlorobutadiene	BQL	10.0	1.58	1	11/22/2006	
Hexachlorocyclopentadiene	BQL	20.0	20.0	1	11/22/2006	
Hexachloroethane	BQL	10.0	1.58	1	11/22/2006	
Indeno(1,2,3-c,d)pyrene	BQL	10.0	4.57	1	11/22/2006	
Isophorone	BQL	10.0	1.27	1	11/22/2006	
Naphthalene	**6.10**	10.0	1.08	1	11/22/2006	J

SGS

Results for Semivolatiles
by GCMS 625

Client Sample ID: UST45/S941-MW09
Client Project ID: NV015
Lab Sample ID: G650-93-6G
Lab Project ID: G650-93

Analyzed By: EAW
Date Collected: 11/13/2006 13:55
Date Received: 11/15/2006
Date Extracted: 11/20/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Nitrobenzene	BQL	10.0	1.32	1	11/22/2006	
2-Nitrophenol	BQL	10.0	3.52	1	11/22/2006	
4-Nitrophenol	BQL	50.0	3.17	1	11/22/2006	
N-Nitrosodi-n-propylamine	BQL	10.0	1.87	1	11/22/2006	
Pentachlorophenol	BQL	50.0	2.83	1	11/22/2006	
Phenanthrene	BQL	10.0	1.38	1	11/22/2006	
Phenol	BQL	10.0	3.38	1	11/22/2006	
Pyrene	BQL	10.0	2.08	1	11/22/2006	
1,2,4-Trichlorobenzene	BQL	10.0	1.33	1	11/22/2006	
2,4,6-Trichlorophenol	BQL	10.0	2.92	1	11/22/2006	

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.4	84
2-Fluorophenol	10	8.2	82
Nitrobenzene-d5	10	7.9	79
Phenol-d6	10	8.7	87
2,4,6-Tribromophenol	10	9.6	96
4-Terphenyl-d14	10	12	120

Comments:
* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:
BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By: _____

SGS

Results of Library Search for Semivolatile Compounds

by GCMS

Client Sample ID: UST45/S941-MW09
Client Project ID: NV015
Lab Sample ID: G650-93-6G
Lab Project ID: G650-93
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: EAW
Date Collected: 11/13/2006 13:55
Date Received: 11/15/2006
Date Extracted: 11/20/2006
Date Analyzed: 11/21/2006
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Unknown	12.15			13.2
2	Unknown	11.68			4.97
3					
4					
5					
6					
7					
8					
9					
10					

Comment:

Tentatively Identified Compound (TIC) refers to substances which are not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist.

Quantitation is accomplished by relative peak area of the compound compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is equal to or greater than 10% of that of the nearest internal standard. Quantitation provided is an estimate.

Reviewed by: RML

SGS

Results for Semivolatiles
by GCMS 625

Client Sample ID: UST45/S941-MW17
Client Project ID: NV015
Lab Sample ID: G650-93-7I
Lab Project ID: G650-93

Analyzed By: EAW
Date Collected: 11/13/2006 14:37
Date Received: 11/15/2006
Date Extracted: 11/20/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	10.0	1.22	1	11/22/2006	
Acenaphthylene	BQL	10.0	1.12	1	11/22/2006	
Anthracene	BQL	10.0	1.75	1	11/22/2006	
Benzo[a]anthracene	BQL	10.0	1.36	1	11/22/2006	
Benzo[a]pyrene	BQL	10.0	1.27	1	11/22/2006	
Benzo[b]fluoranthene	BQL	10.0	1.43	1	11/22/2006	
Benzo[g,h,i]perylene	BQL	10.0	4.57	1	11/22/2006	
Benzo[k]fluoranthene	BQL	10.0	1.09	1	11/22/2006	
Bis(2-chloroethoxy)methane	BQL	10.0	1.11	1	11/22/2006	
Bis(2-chloroethyl)ether	BQL	10.0	1.09	1	11/22/2006	
Bis(2-chloroisopropyl)ether	BQL	10.0	1.57	1	11/22/2006	
Bis(2-ethylhexyl)phthalate	BQL	10.0	1.33	1	11/22/2006	
4-bromophenyl phenyl ether	BQL	10.0	1.99	1	11/22/2006	
Butylbenzylphthalate	BQL	10.0	1.53	1	11/22/2006	
2-Chloronaphthalene	BQL	10.0	1.25	1	11/22/2006	
2-Chlorophenol	BQL	10.0	4.22	1	11/22/2006	
4-Chloro-3-methylphenol	BQL	10.0	3.26	1	11/22/2006	
4-Chlorophenyl phenyl ether	BQL	10.0	1.42	1	11/22/2006	
Chrysene	BQL	10.0	1.11	1	11/22/2006	
Dibenzo[a,h]anthracene	BQL	10.0	4.87	1	11/22/2006	
Di-n-Butylphthalate	BQL	10.0	1.65	1	11/22/2006	
1,2-Dichlorobenzene	BQL	10.0	1.25	1	11/22/2006	
1,3-Dichlorobenzene	BQL	10.0	1.24	1	11/22/2006	
1,4-Dichlorobenzene	BQL	10.0	1.20	1	11/22/2006	
3,3'-Dichlorobenzidine	BQL	20.0	4.10	1	11/22/2006	
2,4-Dichlorophenol	BQL	10.0	3.75	1	11/22/2006	
Diethylphthalate	BQL	10.0	1.48	1	11/22/2006	
Dimethylphthalate	BQL	10.0	1.04	1	11/22/2006	
2,4-Dimethylphenol	BQL	10.0	9.25	1	11/22/2006	
Di-n-octylphthalate	BQL	10.0	1.16	1	11/22/2006	
4,6-Dinitro-2-methylphenol	BQL	50.0	3.71	1	11/22/2006	
2,4-Dinitrophenol	BQL	50.0	4.20	1	11/22/2006	
2,4-Dinitrotoluene	BQL	10.0	1.52	1	11/22/2006	
2,6-Dinitrotoluene	BQL	10.0	1.41	1	11/22/2006	
Diphenylamine *	BQL	10.0	1.53	1	11/22/2006	
Fluoranthene	BQL	10.0	1.41	1	11/22/2006	
Fluorene	BQL	10.0	1.22	1	11/22/2006	
Hexachlorobenzene	BQL	10.0	1.22	1	11/22/2006	
Hexachlorobutadiene	BQL	10.0	1.58	1	11/22/2006	
Hexachlorocyclopentadiene	BQL	20.0	20.0	1	11/22/2006	
Hexachloroethane	BQL	10.0	1.58	1	11/22/2006	
Indeno(1,2,3-c,d)pyrene	BQL	10.0	4.57	1	11/22/2006	
Isophorone	BQL	10.0	1.27	1	11/22/2006	
Naphthalene	BQL	10.0	1.08	1	11/22/2006	

SGS

Results for Semivolatiles
by GCMS 625

Client Sample ID: UST45/S941-MW17
Client Project ID: NV015
Lab Sample ID: G650-93-7I
Lab Project ID: G650-93

Analyzed By: EAW
Date Collected: 11/13/2006 14:37
Date Received: 11/15/2006
Date Extracted: 11/20/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Nitrobenzene	BQL	10.0	1.32	1	11/22/2006	
2-Nitrophenol	BQL	10.0	3.52	1	11/22/2006	
4-Nitrophenol	BQL	50.0	3.17	1	11/22/2006	
N-Nitrosodi-n-propylamine	BQL	10.0	1.87	1	11/22/2006	
Pentachlorophenol	BQL	50.0	2.83	1	11/22/2006	
Phenanthrene	BQL	10.0	1.38	1	11/22/2006	
Phenol	BQL	10.0	3.38	1	11/22/2006	
Pyrene	BQL	10.0	2.08	1	11/22/2006	
1,2,4-Trichlorobenzene	BQL	10.0	1.33	1	11/22/2006	
2,4,6-Trichlorophenol	BQL	10.0	2.92	1	11/22/2006	

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.6	86
2-Fluorophenol	10	8.3	83
Nitrobenzene-d5	10	8.2	82
Phenol-d6	10	8.6	86
2,4,6-Tribromophenol	10	9.4	94
4-Terphenyl-d14	10	11	110

Comments:
* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:
BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By: _____

SGS

Results of Library Search for Semivolatile Compounds

by GCMS

Client Sample ID: UST45/S941-MW17
Client Project ID: NV015
Lab Sample ID: G650-93-7I
Lab Project ID: G650-93
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: EAW
Date Collected: 11/13/2006 14:37
Date Received: 11/15/2006
Date Extracted: 11/20/2006
Date Analyzed: 11/21/2006
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Unknown	12.15			12.5
2					
3					
4					
5					
6					
7					
8					
9					
10					

Comment:

Tentatively Identified Compound (TIC) refers to substances which are not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist.

Quantitation is accomplished by relative peak area of the compound compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is equal to or greater than 10% of that of the nearest internal standard. Quantitation provided is an estimate.

Reviewed by: _____

SGS

Results for Semivolatiles
by GCMS 625

Client Sample ID: UST45/S941-Duplicate
Client Project ID: NV015
Lab Sample ID: G650-93-8G
Lab Project ID: G650-93

Analyzed By: EAW
Date Collected: 11/13/2006 0:00
Date Received: 11/15/2006
Date Extracted: 11/20/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	10.0	1.22	1	11/22/2006	
Acenaphthylene	BQL	10.0	1.12	1	11/22/2006	
Anthracene	BQL	10.0	1.75	1	11/22/2006	
Benzo[a]anthracene	BQL	10.0	1.36	1	11/22/2006	
Benzo[a]pyrene	BQL	10.0	1.27	1	11/22/2006	
Benzo[b]fluoranthene	BQL	10.0	1.43	1	11/22/2006	
Benzo[g,h,i]perylene	BQL	10.0	4.57	1	11/22/2006	
Benzo[k]fluoranthene	BQL	10.0	1.09	1	11/22/2006	
Bis(2-chloroethoxy)methane	BQL	10.0	1.11	1	11/22/2006	
Bis(2-chloroethyl)ether	BQL	10.0	1.09	1	11/22/2006	
Bis(2-chloroisopropyl)ether	BQL	10.0	1.57	1	11/22/2006	
Bis(2-ethylhexyl)phthalate	BQL	10.0	1.33	1	11/22/2006	
4-bromophenyl phenyl ether	BQL	10.0	1.99	1	11/22/2006	
Butylbenzylphthalate	BQL	10.0	1.53	1	11/22/2006	
2-Chloronaphthalene	BQL	10.0	1.25	1	11/22/2006	
2-Chlorophenol	BQL	10.0	4.22	1	11/22/2006	
4-Chloro-3-methylphenol	BQL	10.0	3.26	1	11/22/2006	
4-Chlorophenyl phenyl ether	BQL	10.0	1.42	1	11/22/2006	
Chrysene	BQL	10.0	1.11	1	11/22/2006	
Dibenzo[a,h]anthracene	BQL	10.0	4.87	1	11/22/2006	
Di-n-Butylphthalate	BQL	10.0	1.65	1	11/22/2006	
1,2-Dichlorobenzene	BQL	10.0	1.25	1	11/22/2006	
1,3-Dichlorobenzene	BQL	10.0	1.24	1	11/22/2006	
1,4-Dichlorobenzene	BQL	10.0	1.20	1	11/22/2006	
3,3'-Dichlorobenzidine	BQL	20.0	4.10	1	11/22/2006	
2,4-Dichlorophenol	BQL	10.0	3.75	1	11/22/2006	
Diethylphthalate	BQL	10.0	1.48	1	11/22/2006	
Dimethylphthalate	BQL	10.0	1.04	1	11/22/2006	
2,4-Dimethylphenol	BQL	10.0	9.25	1	11/22/2006	
Di-n-octylphthalate	BQL	10.0	1.16	1	11/22/2006	
4,6-Dinitro-2-methylphenol	BQL	50.0	3.71	1	11/22/2006	
2,4-Dinitrophenol	BQL	50.0	4.20	1	11/22/2006	
2,4-Dinitrotoluene	BQL	10.0	1.52	1	11/22/2006	
2,6-Dinitrotoluene	BQL	10.0	1.41	1	11/22/2006	
Diphenylamine *	BQL	10.0	1.53	1	11/22/2006	
Fluoranthene	BQL	10.0	1.41	1	11/22/2006	
Fluorene	BQL	10.0	1.22	1	11/22/2006	
Hexachlorobenzene	BQL	10.0	1.22	1	11/22/2006	
Hexachlorobutadiene	BQL	10.0	1.58	1	11/22/2006	
Hexachlorocyclopentadiene	BQL	20.0	20.0	1	11/22/2006	
Hexachloroethane	BQL	10.0	1.58	1	11/22/2006	
Indeno(1,2,3-c,d)pyrene	BQL	10.0	4.57	1	11/22/2006	
Isophorone	BQL	10.0	1.27	1	11/22/2006	
Naphthalene	BQL	10.0	1.08	1	11/22/2006	

SGS

Results for Semivolatiles
by GCMS 625

Client Sample ID: UST45/S941-Duplicate
Client Project ID: NV015
Lab Sample ID: G650-93-8G
Lab Project ID: G650-93

Analyzed By: EAW
Date Collected: 11/13/2006 0:00
Date Received: 11/15/2006
Date Extracted: 11/20/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Nitrobenzene	BQL	10.0	1.32	1	11/22/2006	
2-Nitrophenol	BQL	10.0	3.52	1	11/22/2006	
4-Nitrophenol	BQL	50.0	3.17	1	11/22/2006	
N-Nitrosodi-n-propylamine	BQL	10.0	1.87	1	11/22/2006	
Pentachlorophenol	BQL	50.0	2.83	1	11/22/2006	
Phenanthrene	BQL	10.0	1.38	1	11/22/2006	
Phenol	BQL	10.0	3.38	1	11/22/2006	
Pyrene	BQL	10.0	2.08	1	11/22/2006	
1,2,4-Trichlorobenzene	BQL	10.0	1.33	1	11/22/2006	
2,4,6-Trichlorophenol	BQL	10.0	2.92	1	11/22/2006	

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.6	86
2-Fluorophenol	10	8.2	82
Nitrobenzene-d5	10	7.9	79
Phenol-d6	10	8.7	87
2,4,6-Tribromophenol	10	10	100
4-Terphenyl-d14	10	11.5	115

Comments:
* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:
BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By: _____

SGS

Results of Library Search for Semivolatile Compounds

by GCMS

Client Sample ID: UST45/S941-Duplicate
Client Project ID: NV015
Lab Sample ID: G650-93-8G
Lab Project ID: G650-93
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: EAW
Date Collected: 11/13/2006 0:00
Date Received: 11/15/2006
Date Extracted: 11/20/2006
Date Analyzed: 11/21/2006
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Unknown	12.15			14.1
2					
3					
4					
5					
6					
7					
8					
9					
10					

Comment:

Tentatively Identified Compound (TIC) refers to substances which are not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist.

Quantitation is accomplished by relative peak area of the compound compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is equal to or greater than 10% of that of the nearest internal standard. Quantitation provided is an estimate.

Reviewed by: _____

SGS

Results for Semivolatiles
by GCMS 625

Client Sample ID: UST45/S941-MW05
Client Project ID: NV015
Lab Sample ID: G650-93-9G
Lab Project ID: G650-93

Analyzed By: EAW
Date Collected: 11/14/2006 11:27
Date Received: 11/15/2006
Date Extracted: 11/20/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	10.0	1.22	1	11/22/2006	
Acenaphthylene	BQL	10.0	1.12	1	11/22/2006	
Anthracene	BQL	10.0	1.75	1	11/22/2006	
Benzo[a]anthracene	BQL	10.0	1.36	1	11/22/2006	
Benzo[a]pyrene	BQL	10.0	1.27	1	11/22/2006	
Benzo[b]fluoranthene	BQL	10.0	1.43	1	11/22/2006	
Benzo[g,h,i]perylene	BQL	10.0	4.57	1	11/22/2006	
Benzo[k]fluoranthene	BQL	10.0	1.09	1	11/22/2006	
Bis(2-chloroethoxy)methane	BQL	10.0	1.11	1	11/22/2006	
Bis(2-chloroethyl)ether	BQL	10.0	1.09	1	11/22/2006	
Bis(2-chloroisopropyl)ether	BQL	10.0	1.57	1	11/22/2006	
Bis(2-ethylhexyl)phthalate	BQL	10.0	1.33	1	11/22/2006	
4-bromophenyl phenyl ether	BQL	10.0	1.99	1	11/22/2006	
Butylbenzylphthalate	BQL	10.0	1.53	1	11/22/2006	
2-Chloronaphthalene	BQL	10.0	1.25	1	11/22/2006	
2-Chlorophenol	BQL	10.0	4.22	1	11/22/2006	
4-Chloro-3-methylphenol	BQL	10.0	3.26	1	11/22/2006	
4-Chlorophenyl phenyl ether	BQL	10.0	1.42	1	11/22/2006	
Chrysene	BQL	10.0	1.11	1	11/22/2006	
Dibenzo[a,h]anthracene	BQL	10.0	4.87	1	11/22/2006	
Di-n-Butylphthalate	BQL	10.0	1.65	1	11/22/2006	
1,2-Dichlorobenzene	BQL	10.0	1.25	1	11/22/2006	
1,3-Dichlorobenzene	BQL	10.0	1.24	1	11/22/2006	
1,4-Dichlorobenzene	BQL	10.0	1.20	1	11/22/2006	
3,3'-Dichlorobenzidine	BQL	20.0	4.10	1	11/22/2006	
2,4-Dichlorophenol	BQL	10.0	3.75	1	11/22/2006	
Diethylphthalate	BQL	10.0	1.48	1	11/22/2006	
Dimethylphthalate	BQL	10.0	1.04	1	11/22/2006	
2,4-Dimethylphenol	BQL	10.0	9.25	1	11/22/2006	
Di-n-octylphthalate	BQL	10.0	1.16	1	11/22/2006	
4,6-Dinitro-2-methylphenol	BQL	50.0	3.71	1	11/22/2006	
2,4-Dinitrophenol	BQL	50.0	4.20	1	11/22/2006	
2,4-Dinitrotoluene	BQL	10.0	1.52	1	11/22/2006	
2,6-Dinitrotoluene	BQL	10.0	1.41	1	11/22/2006	
Diphenylamine *	BQL	10.0	1.53	1	11/22/2006	
Fluoranthene	BQL	10.0	1.41	1	11/22/2006	
Fluorene	BQL	10.0	1.22	1	11/22/2006	
Hexachlorobenzene	BQL	10.0	1.22	1	11/22/2006	
Hexachlorobutadiene	BQL	10.0	1.58	1	11/22/2006	
Hexachlorocyclopentadiene	BQL	20.0	20.0	1	11/22/2006	
Hexachloroethane	BQL	10.0	1.58	1	11/22/2006	
Indeno(1,2,3-c,d)pyrene	BQL	10.0	4.57	1	11/22/2006	
Isophorone	BQL	10.0	1.27	1	11/22/2006	
Naphthalene	BQL	10.0	1.08	1	11/22/2006	

SGS

Results for Semivolatiles
by GCMS 625

Client Sample ID: UST45/S941-MW05
Client Project ID: NV015
Lab Sample ID: G650-93-9G
Lab Project ID: G650-93

Analyzed By: EAW
Date Collected: 11/14/2006 11:27
Date Received: 11/15/2006
Date Extracted: 11/20/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Nitrobenzene	BQL	10.0	1.32	1	11/22/2006	
2-Nitrophenol	BQL	10.0	3.52	1	11/22/2006	
4-Nitrophenol	BQL	50.0	3.17	1	11/22/2006	
N-Nitrosodi-n-propylamine	BQL	10.0	1.87	1	11/22/2006	
Pentachlorophenol	BQL	50.0	2.83	1	11/22/2006	
Phenanthrene	BQL	10.0	1.38	1	11/22/2006	
Phenol	BQL	10.0	3.38	1	11/22/2006	
Pyrene	BQL	10.0	2.08	1	11/22/2006	
1,2,4-Trichlorobenzene	BQL	10.0	1.33	1	11/22/2006	
2,4,6-Trichlorophenol	BQL	10.0	2.92	1	11/22/2006	

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.3	83
2-Fluorophenol	10	7.8	78
Nitrobenzene-d5	10	7.6	76
Phenol-d6	10	8.4	84
2,4,6-Tribromophenol	10	9.2	92
4-Terphenyl-d14	10	10.9	109

Comments:
* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:
BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By: _____

SGS

Results of Library Search for Semivolatile Compounds

by GCMS

Client Sample ID: UST45/S941-MW05
Client Project ID: NV015
Lab Sample ID: G650-93-9G
Lab Project ID: G650-93
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: EAW
Date Collected: 11/14/2006 11:27
Date Received: 11/15/2006
Date Extracted: 11/20/2006
Date Analyzed: 11/21/2006
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Unknown	12.16			13.6
2					
3					
4					
5					
6					
7					
8					
9					
10					

Comment:

Tentatively Identified Compound (TIC) refers to substances which are not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist.

Quantitation is accomplished by relative peak area of the compound compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is equal to or greater than 10% of that of the nearest internal standard. Quantitation provided is an estimate.

Reviewed by: AML

SGS

Results for Semivolatiles
by GCMS 625

Client Sample ID: UST45/S941-PW01R
Client Project ID: NV015
Lab Sample ID: G650-93-10G
Lab Project ID: G650-93

Analyzed By: EAW
Date Collected: 11/14/2006 12:20
Date Received: 11/15/2006
Date Extracted: 11/20/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	10.0	1.22	1	11/22/2006	
Acenaphthylene	BQL	10.0	1.12	1	11/22/2006	
Anthracene	BQL	10.0	1.75	1	11/22/2006	
Benzo[a]anthracene	BQL	10.0	1.36	1	11/22/2006	
Benzo[a]pyrene	BQL	10.0	1.27	1	11/22/2006	
Benzo[b]fluoranthene	BQL	10.0	1.43	1	11/22/2006	
Benzo[g,h,i]perylene	BQL	10.0	4.57	1	11/22/2006	
Benzo[k]fluoranthene	BQL	10.0	1.09	1	11/22/2006	
Bis(2-chloroethoxy)methane	BQL	10.0	1.11	1	11/22/2006	
Bis(2-chloroethyl)ether	BQL	10.0	1.09	1	11/22/2006	
Bis(2-chloroisopropyl)ether	BQL	10.0	1.57	1	11/22/2006	
Bis(2-ethylhexyl)phthalate	BQL	10.0	1.33	1	11/22/2006	
4-bromophenyl phenyl ether	BQL	10.0	1.99	1	11/22/2006	
Butylbenzylphthalate	BQL	10.0	1.53	1	11/22/2006	
2-Chloronaphthalene	BQL	10.0	1.25	1	11/22/2006	
2-Chlorophenol	BQL	10.0	4.22	1	11/22/2006	
4-Chloro-3-methylphenol	BQL	10.0	3.26	1	11/22/2006	
4-Chlorophenyl phenyl ether	BQL	10.0	1.42	1	11/22/2006	
Chrysene	BQL	10.0	1.11	1	11/22/2006	
Dibenzo[a,h]anthracene	BQL	10.0	4.87	1	11/22/2006	
Di-n-Butylphthalate	BQL	10.0	1.65	1	11/22/2006	
1,2-Dichlorobenzene	BQL	10.0	1.25	1	11/22/2006	
1,3-Dichlorobenzene	BQL	10.0	1.24	1	11/22/2006	
1,4-Dichlorobenzene	BQL	10.0	1.20	1	11/22/2006	
3,3'-Dichlorobenzidine	BQL	20.0	4.10	1	11/22/2006	
2,4-Dichlorophenol	BQL	10.0	3.75	1	11/22/2006	
Diethylphthalate	BQL	10.0	1.48	1	11/22/2006	
Dimethylphthalate	BQL	10.0	1.04	1	11/22/2006	
2,4-Dimethylphenol	BQL	10.0	9.25	1	11/22/2006	
Di-n-octylphthalate	BQL	10.0	1.16	1	11/22/2006	
4,6-Dinitro-2-methylphenol	BQL	50.0	3.71	1	11/22/2006	
2,4-Dinitrophenol	BQL	50.0	4.20	1	11/22/2006	
2,4-Dinitrotoluene	BQL	10.0	1.52	1	11/22/2006	
2,6-Dinitrotoluene	BQL	10.0	1.41	1	11/22/2006	
Diphenylamine *	BQL	10.0	1.53	1	11/22/2006	
Fluoranthene	BQL	10.0	1.41	1	11/22/2006	
Fluorene	BQL	10.0	1.22	1	11/22/2006	
Hexachlorobenzene	BQL	10.0	1.22	1	11/22/2006	
Hexachlorobutadiene	BQL	10.0	1.58	1	11/22/2006	
Hexachlorocyclopentadiene	BQL	20.0	20.0	1	11/22/2006	
Hexachloroethane	BQL	10.0	1.58	1	11/22/2006	
Indeno(1,2,3-c,d)pyrene	BQL	10.0	4.57	1	11/22/2006	
Isophorone	BQL	10.0	1.27	1	11/22/2006	
Naphthalene	**6.20**	10.0	1.08	1	11/22/2006	J

SGS

Results for Semivolatiles
by GCMS 625

Client Sample ID: UST45/S941-PW01R
Client Project ID: NV015
Lab Sample ID: G650-93-10G
Lab Project ID: G650-93

Analyzed By: EAW
Date Collected: 11/14/2006 12:20
Date Received: 11/15/2006
Date Extracted: 11/20/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Nitrobenzene	BQL	10.0	1.32	1	11/22/2006	
2-Nitrophenol	BQL	10.0	3.52	1	11/22/2006	
4-Nitrophenol	BQL	50.0	3.17	1	11/22/2006	
N-Nitrosodi-n-propylamine	BQL	10.0	1.87	1	11/22/2006	
Pentachlorophenol	BQL	50.0	2.83	1	11/22/2006	
Phenanthrene	BQL	10.0	1.38	1	11/22/2006	
Phenol	BQL	10.0	3.38	1	11/22/2006	
Pyrene	BQL	10.0	2.08	1	11/22/2006	
1,2,4-Trichlorobenzene	BQL	10.0	1.33	1	11/22/2006	
2,4,6-Trichlorophenol	BQL	10.0	2.92	1	11/22/2006	

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.8	88
2-Fluorophenol	10	8.6	86
Nitrobenzene-d5	10	8.5	85
Phenol-d6	10	9.1	91
2,4,6-Tribromophenol	10	10.3	103
4-Terphenyl-d14	10	9.8	98

Comments:
* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:
BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By: RAL

SGS

Results of Library Search for Semivolatile Compounds

by GCMS

Client Sample ID: UST45/S941-PW01R
Client Project ID: NV015
Lab Sample ID: G650-93-10G
Lab Project ID: G650-93
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: EAW
Date Collected: 11/14/2006 12:20
Date Received: 11/15/2006
Date Extracted: 11/20/2006
Date Analyzed: 11/21/2006
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Unknown	12.15			14.2
2					
3					
4					
5					
6					
7					
8					
9					
10					

Comment:

Tentatively Identified Compound (TIC) refers to substances which are not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist.

Quantitation is accomplished by relative peak area of the compound compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is equal to or greater than 10% of that of the nearest internal standard. Quantitation provided is an estimate.

Reviewed by: _____

SGS

Results for Semivolatiles
by GCMS 625

Client Sample ID: UST45/S941-MW03R
Client Project ID: NV015
Lab Sample ID: G650-93-11G
Lab Project ID: G650-93

Analyzed By: EAW
Date Collected: 11/14/2006 12:35
Date Received: 11/15/2006
Date Extracted: 11/20/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	10.0	1.22	1	11/22/2006	
Acenaphthylene	BQL	10.0	1.12	1	11/22/2006	
Anthracene	BQL	10.0	1.75	1	11/22/2006	
Benzo[a]anthracene	BQL	10.0	1.36	1	11/22/2006	
Benzo[a]pyrene	BQL	10.0	1.27	1	11/22/2006	
Benzo[b]fluoranthene	BQL	10.0	1.43	1	11/22/2006	
Benzo[g,h,i]perylene	BQL	10.0	4.57	1	11/22/2006	
Benzo[k]fluoranthene	BQL	10.0	1.09	1	11/22/2006	
Bis(2-chloroethoxy)methane	BQL	10.0	1.11	1	11/22/2006	
Bis(2-chloroethyl)ether	BQL	10.0	1.09	1	11/22/2006	
Bis(2-chloroisopropyl)ether	BQL	10.0	1.57	1	11/22/2006	
Bis(2-ethylhexyl)phthalate	BQL	10.0	1.33	1	11/22/2006	
4-bromophenyl phenyl ether	BQL	10.0	1.99	1	11/22/2006	
Butylbenzylphthalate	BQL	10.0	1.53	1	11/22/2006	
2-Chloronaphthalene	BQL	10.0	1.25	1	11/22/2006	
2-Chlorophenol	BQL	10.0	4.22	1	11/22/2006	
4-Chloro-3-methylphenol	BQL	10.0	3.26	1	11/22/2006	
4-Chlorophenyl phenyl ether	BQL	10.0	1.42	1	11/22/2006	
Chrysene	BQL	10.0	1.11	1	11/22/2006	
Dibenzo[a,h]anthracene	BQL	10.0	4.87	1	11/22/2006	
Di-n-Butylphthalate	BQL	10.0	1.65	1	11/22/2006	
1,2-Dichlorobenzene	BQL	10.0	1.25	1	11/22/2006	
1,3-Dichlorobenzene	BQL	10.0	1.24	1	11/22/2006	
1,4-Dichlorobenzene	BQL	10.0	1.20	1	11/22/2006	
3,3'-Dichlorobenzidine	BQL	20.0	4.10	1	11/22/2006	
2,4-Dichlorophenol	BQL	10.0	3.75	1	11/22/2006	
Diethylphthalate	BQL	10.0	1.48	1	11/22/2006	
Dimethylphthalate	BQL	10.0	1.04	1	11/22/2006	
2,4-Dimethylphenol	BQL	10.0	9.25	1	11/22/2006	
Di-n-octylphthalate	BQL	10.0	1.16	1	11/22/2006	
4,6-Dinitro-2-methylphenol	BQL	50.0	3.71	1	11/22/2006	
2,4-Dinitrophenol	BQL	50.0	4.20	1	11/22/2006	
2,4-Dinitrotoluene	BQL	10.0	1.52	1	11/22/2006	
2,6-Dinitrotoluene	BQL	10.0	1.41	1	11/22/2006	
Diphenylamine *	BQL	10.0	1.53	1	11/22/2006	
Fluoranthene	BQL	10.0	1.41	1	11/22/2006	
Fluorene	BQL	10.0	1.22	1	11/22/2006	
Hexachlorobenzene	BQL	10.0	1.22	1	11/22/2006	
Hexachlorobutadiene	BQL	10.0	1.58	1	11/22/2006	
Hexachlorocyclopentadiene	BQL	20.0	20.0	1	11/22/2006	
Hexachloroethane	BQL	10.0	1.58	1	11/22/2006	
Indeno(1,2,3-c,d)pyrene	BQL	10.0	4.57	1	11/22/2006	
Isophorone	BQL	10.0	1.27	1	11/22/2006	
Naphthalene	BQL	10.0	1.08	1	11/22/2006	

SGS

Results for Semivolatiles
by GCMS 625

Client Sample ID: UST45/S941-MW03R
Client Project ID: NV015
Lab Sample ID: G650-93-11G
Lab Project ID: G650-93

Analyzed By: EAW
Date Collected: 11/14/2006 12:35
Date Received: 11/15/2006
Date Extracted: 11/20/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Nitrobenzene	BQL	10.0	1.32	1	11/22/2006	
2-Nitrophenol	BQL	10.0	3.52	1	11/22/2006	
4-Nitrophenol	BQL	50.0	3.17	1	11/22/2006	
N-Nitrosodi-n-propylamine	BQL	10.0	1.87	1	11/22/2006	
Pentachlorophenol	BQL	50.0	2.83	1	11/22/2006	
Phenanthrene	BQL	10.0	1.38	1	11/22/2006	
Phenol	BQL	10.0	3.38	1	11/22/2006	
Pyrene	BQL	10.0	2.08	1	11/22/2006	
1,2,4-Trichlorobenzene	BQL	10.0	1.33	1	11/22/2006	
2,4,6-Trichlorophenol	BQL	10.0	2.92	1	11/22/2006	

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.4	84
2-Fluorophenol	10	8.2	82
Nitrobenzene-d5	10	7.9	79
Phenol-d6	10	8.7	87
2,4,6-Tribromophenol	10	9.4	94
4-Terphenyl-d14	10	10	100

Comments:
* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:
BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By: _____

SGS

Results of Library Search for Semivolatile Compounds

by GCMS

Client Sample ID: UST45/S941-MW03R
Client Project ID: NV015
Lab Sample ID: G650-93-11G
Lab Project ID: G650-93
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: EAW
Date Collected: 11/14/2006 12:35
Date Received: 11/15/2006
Date Extracted: 11/20/2006
Date Analyzed: 11/21/2006
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Unknown	12.15			13.7
2					
3					
4					
5					
6					
7					
8					
9					
10					

Comment:

Tentatively Identified Compound (TIC) refers to substances which are not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist.

Quantitation is accomplished by relative peak area of the compound compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is equal to or greater than 10% of that of the nearest internal standard. Quantitation provided is an estimate.

Reviewed by: _____

SGS

Results for Semivolatiles
by GCMS 625

Client Sample ID: UST45/S941-MW02R
Client Project ID: NV015
Lab Sample ID: G650-93-12G
Lab Project ID: G650-93

Analyzed By: EAW
Date Collected: 11/14/2006 12:58
Date Received: 11/15/2006
Date Extracted: 11/20/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	10.0	1.22	1	11/22/2006	
Acenaphthylene	BQL	10.0	1.12	1	11/22/2006	
Anthracene	BQL	10.0	1.75	1	11/22/2006	
Benzo[a]anthracene	BQL	10.0	1.36	1	11/22/2006	
Benzo[a]pyrene	BQL	10.0	1.27	1	11/22/2006	
Benzo[b]fluoranthene	BQL	10.0	1.43	1	11/22/2006	
Benzo[g,h,i]perylene	BQL	10.0	4.57	1	11/22/2006	
Benzo[k]fluoranthene	BQL	10.0	1.09	1	11/22/2006	
Bis(2-chloroethoxy)methane	BQL	10.0	1.11	1	11/22/2006	
Bis(2-chloroethyl)ether	BQL	10.0	1.09	1	11/22/2006	
Bis(2-chloroisopropyl)ether	BQL	10.0	1.57	1	11/22/2006	
Bis(2-ethylhexyl)phthalate	BQL	10.0	1.33	1	11/22/2006	
4-bromophenyl phenyl ether	BQL	10.0	1.99	1	11/22/2006	
Butylbenzylphthalate	BQL	10.0	1.53	1	11/22/2006	
2-Chloronaphthalene	BQL	10.0	1.25	1	11/22/2006	
2-Chlorophenol	BQL	10.0	4.22	1	11/22/2006	
4-Chloro-3-methylphenol	BQL	10.0	3.26	1	11/22/2006	
4-Chlorophenyl phenyl ether	BQL	10.0	1.42	1	11/22/2006	
Chrysene	BQL	10.0	1.11	1	11/22/2006	
Dibenzo[a,h]anthracene	BQL	10.0	4.87	1	11/22/2006	
Di-n-Butylphthalate	BQL	10.0	1.65	1	11/22/2006	
1,2-Dichlorobenzene	BQL	10.0	1.25	1	11/22/2006	
1,3-Dichlorobenzene	BQL	10.0	1.24	1	11/22/2006	
1,4-Dichlorobenzene	BQL	10.0	1.20	1	11/22/2006	
3,3'-Dichlorobenzidine	BQL	20.0	4.10	1	11/22/2006	
2,4-Dichlorophenol	BQL	10.0	3.75	1	11/22/2006	
Diethylphthalate	BQL	10.0	1.48	1	11/22/2006	
Dimethylphthalate	BQL	10.0	1.04	1	11/22/2006	
2,4-Dimethylphenol	BQL	10.0	9.25	1	11/22/2006	
Di-n-octylphthalate	BQL	10.0	1.16	1	11/22/2006	
4,6-Dinitro-2-methylphenol	BQL	50.0	3.71	1	11/22/2006	
2,4-Dinitrophenol	BQL	50.0	4.20	1	11/22/2006	
2,4-Dinitrotoluene	BQL	10.0	1.52	1	11/22/2006	
2,6-Dinitrotoluene	BQL	10.0	1.41	1	11/22/2006	
Diphenylamine *	BQL	10.0	1.53	1	11/22/2006	
Fluoranthene	BQL	10.0	1.41	1	11/22/2006	
Fluorene	BQL	10.0	1.22	1	11/22/2006	
Hexachlorobenzene	BQL	10.0	1.22	1	11/22/2006	
Hexachlorobutadiene	BQL	10.0	1.58	1	11/22/2006	
Hexachlorocyclopentadiene	BQL	20.0	20.0	1	11/22/2006	
Hexachloroethane	BQL	10.0	1.58	1	11/22/2006	
Indeno(1,2,3-c,d)pyrene	BQL	10.0	4.57	1	11/22/2006	
Isophorone	BQL	10.0	1.27	1	11/22/2006	
Naphthalene	BQL	10.0	1.08	1	11/22/2006	

SGS

Results for Semivolatiles
by GCMS 625

Client Sample ID: UST45/S941-MW02R
Client Project ID: NV015
Lab Sample ID: G650-93-12G
Lab Project ID: G650-93

Analyzed By: EAW
Date Collected: 11/14/2006 12:58
Date Received: 11/15/2006
Date Extracted: 11/20/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Nitrobenzene	BQL	10.0	1.32	1	11/22/2006	
2-Nitrophenol	BQL	10.0	3.52	1	11/22/2006	
4-Nitrophenol	BQL	50.0	3.17	1	11/22/2006	
N-Nitrosodi-n-propylamine	BQL	10.0	1.87	1	11/22/2006	
Pentachlorophenol	BQL	50.0	2.83	1	11/22/2006	
Phenanthrene	BQL	10.0	1.38	1	11/22/2006	
Phenol	BQL	10.0	3.38	1	11/22/2006	
Pyrene	BQL	10.0	2.08	1	11/22/2006	
1,2,4-Trichlorobenzene	BQL	10.0	1.33	1	11/22/2006	
2,4,6-Trichlorophenol	BQL	10.0	2.92	1	11/22/2006	

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.6	96
2-Fluorophenol	10	9.5	95
Nitrobenzene-d5	10	9.1	91
Phenol-d6	10	9.9	99
2,4,6-Tribromophenol	10	10.6	106
4-Terphenyl-d14	10	12.3	123

Comments:
* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:
BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By: RML

SGS

Results of Library Search for Semivolatile Compounds

by GCMS

Client Sample ID: UST45/S941-MW02R
Client Project ID: NV015
Lab Sample ID: G650-93-12G
Lab Project ID: G650-93
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: EAW
Date Collected: 11/14/2006 12:58
Date Received: 11/15/2006
Date Extracted: 11/20/2006
Date Analyzed: 11/21/2006
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Unknown	12.15			14.4
2	Cyclohexane, 1,2-dichloro-, trans-	7.58	000822-86-6	90	5.23
3	Unknown	11.68			4.76
4					
5					
6					
7					
8					
9					
10					

Comment:

Tentatively Identified Compound (TIC) refers to substances which are not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist.

Quantitation is accomplished by relative peak area of the compound compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is equal to or greater than 10% of that of the nearest internal standard. Quantitation provided is an estimate.

Reviewed by: _____

SGS

Results for Semivolatiles
by GCMS 625

Client Sample ID: UST45/S941-MW04/45
Client Project ID: NV015
Lab Sample ID: G650-93-13G
Lab Project ID: G650-93

Analyzed By: EAW
Date Collected: 11/14/2006 14:40
Date Received: 11/15/2006
Date Extracted: 11/20/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	10.0	1.22	1	11/22/2006	
Acenaphthylene	BQL	10.0	1.12	1	11/22/2006	
Anthracene	BQL	10.0	1.75	1	11/22/2006	
Benzo[a]anthracene	BQL	10.0	1.36	1	11/22/2006	
Benzo[a]pyrene	BQL	10.0	1.27	1	11/22/2006	
Benzo[b]fluoranthene	BQL	10.0	1.43	1	11/22/2006	
Benzo[g,h,i]perylene	BQL	10.0	4.57	1	11/22/2006	
Benzo[k]fluoranthene	BQL	10.0	1.09	1	11/22/2006	
Bis(2-chloroethoxy)methane	BQL	10.0	1.11	1	11/22/2006	
Bis(2-chloroethyl)ether	BQL	10.0	1.09	1	11/22/2006	
Bis(2-chloroisopropyl)ether	BQL	10.0	1.57	1	11/22/2006	
Bis(2-ethylhexyl)phthalate	BQL	10.0	1.33	1	11/22/2006	
4-bromophenyl phenyl ether	BQL	10.0	1.99	1	11/22/2006	
Butylbenzylphthalate	BQL	10.0	1.53	1	11/22/2006	
2-Chloronaphthalene	BQL	10.0	1.25	1	11/22/2006	
2-Chlorophenol	BQL	10.0	4.22	1	11/22/2006	
4-Chloro-3-methylphenol	BQL	10.0	3.26	1	11/22/2006	
4-Chlorophenyl phenyl ether	BQL	10.0	1.42	1	11/22/2006	
Chrysene	BQL	10.0	1.11	1	11/22/2006	
Dibenzo[a,h]anthracene	BQL	10.0	4.87	1	11/22/2006	
Di-n-Butylphthalate	BQL	10.0	1.65	1	11/22/2006	
1,2-Dichlorobenzene	BQL	10.0	1.25	1	11/22/2006	
1,3-Dichlorobenzene	BQL	10.0	1.24	1	11/22/2006	
1,4-Dichlorobenzene	BQL	10.0	1.20	1	11/22/2006	
3,3'-Dichlorobenzidine	BQL	20.0	4.10	1	11/22/2006	
2,4-Dichlorophenol	BQL	10.0	3.75	1	11/22/2006	
Diethylphthalate	BQL	10.0	1.48	1	11/22/2006	
Dimethylphthalate	BQL	10.0	1.04	1	11/22/2006	
2,4-Dimethylphenol	BQL	10.0	9.25	1	11/22/2006	
Di-n-octylphthalate	BQL	10.0	1.16	1	11/22/2006	
4,6-Dinitro-2-methylphenol	BQL	50.0	3.71	1	11/22/2006	
2,4-Dinitrophenol	BQL	50.0	4.20	1	11/22/2006	
2,4-Dinitrotoluene	BQL	10.0	1.52	1	11/22/2006	
2,6-Dinitrotoluene	BQL	10.0	1.41	1	11/22/2006	
Diphenylamine *	BQL	10.0	1.53	1	11/22/2006	
Fluoranthene	BQL	10.0	1.41	1	11/22/2006	
Fluorene	BQL	10.0	1.22	1	11/22/2006	
Hexachlorobenzene	BQL	10.0	1.22	1	11/22/2006	
Hexachlorobutadiene	BQL	10.0	1.58	1	11/22/2006	
Hexachlorocyclopentadiene	BQL	20.0	20.0	1	11/22/2006	
Hexachloroethane	BQL	10.0	1.58	1	11/22/2006	
Indeno(1,2,3-c,d)pyrene	BQL	10.0	4.57	1	11/22/2006	
Isophorone	BQL	10.0	1.27	1	11/22/2006	
Naphthalene	BQL	10.0	1.08	1	11/22/2006	

SGS

Results for Semivolatiles
by GCMS 625

Client Sample ID: UST45/S941-MW04/45
Client Project ID: NV015
Lab Sample ID: G650-93-13G
Lab Project ID: G650-93

Analyzed By: EAW
Date Collected: 11/14/2006 14:40
Date Received: 11/15/2006
Date Extracted: 11/20/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Nitrobenzene	BQL	10.0	1.32	1	11/22/2006	
2-Nitrophenol	BQL	10.0	3.52	1	11/22/2006	
4-Nitrophenol	BQL	50.0	3.17	1	11/22/2006	
N-Nitrosodi-n-propylamine	BQL	10.0	1.87	1	11/22/2006	
Pentachlorophenol	BQL	50.0	2.83	1	11/22/2006	
Phenanthrene	BQL	10.0	1.38	1	11/22/2006	
Phenol	BQL	10.0	3.38	1	11/22/2006	
Pyrene	BQL	10.0	2.08	1	11/22/2006	
1,2,4-Trichlorobenzene	BQL	10.0	1.33	1	11/22/2006	
2,4,6-Trichlorophenol	BQL	10.0	2.92	1	11/22/2006	

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.8	98
2-Fluorophenol	10	9.9	99
Nitrobenzene-d5	10	9.2	92
Phenol-d6	10	9.9	99
2,4,6-Tribromophenol	10	10.4	104
4-Terphenyl-d14	10	9	90

Comments:
* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:
BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By: _____

SGS

Results of Library Search for Semivolatile Compounds

by GCMS

Client Sample ID: UST45/S941-MW04/45
Client Project ID: NV015
Lab Sample ID: G650-93-13G
Lab Project ID: G650-93
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: EAW
Date Collected: 11/14/2006 14:40
Date Received: 11/15/2006
Date Extracted: 11/20/2006
Date Analyzed: 11/21/2006
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Unknown	12.15			14.3
2	Cyclopentasiloxane, decamethyl-	8.13	000541-02-6	90	5.44
3					
4					
5					
6					
7					
8					
9					
10					

Comment:

Tentatively Identified Compound (TIC) refers to substances which are not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist.

Quantitation is accomplished by relative peak area of the compound compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is equal to or greater than 10% of that of the nearest internal standard. Quantitation provided is an estimate.

Reviewed by: AWL

SGS

Results for Semivolatiles
by GCMS 625

Client Sample ID: UST45/S941-MW21
Client Project ID: NV015
Lab Sample ID: G650-93-14G
Lab Project ID: G650-93

Analyzed By: EAW
Date Collected: 11/14/2006 15:12
Date Received: 11/15/2006
Date Extracted: 11/20/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	10.0	1.22	1	11/22/2006	
Acenaphthylene	BQL	10.0	1.12	1	11/22/2006	
Anthracene	BQL	10.0	1.75	1	11/22/2006	
Benzo[a]anthracene	BQL	10.0	1.36	1	11/22/2006	
Benzo[a]pyrene	BQL	10.0	1.27	1	11/22/2006	
Benzo[b]fluoranthene	BQL	10.0	1.43	1	11/22/2006	
Benzo[g,h,i]perylene	BQL	10.0	4.57	1	11/22/2006	
Benzo[k]fluoranthene	BQL	10.0	1.09	1	11/22/2006	
Bis(2-chloroethoxy)methane	BQL	10.0	1.11	1	11/22/2006	
Bis(2-chloroethyl)ether	BQL	10.0	1.09	1	11/22/2006	
Bis(2-chloroisopropyl)ether	BQL	10.0	1.57	1	11/22/2006	
Bis(2-ethylhexyl)phthalate	BQL	10.0	1.33	1	11/22/2006	
4-bromophenyl phenyl ether	BQL	10.0	1.99	1	11/22/2006	
Butylbenzylphthalate	BQL	10.0	1.53	1	11/22/2006	
2-Chloronaphthalene	BQL	10.0	1.25	1	11/22/2006	
2-Chlorophenol	BQL	10.0	4.22	1	11/22/2006	
4-Chloro-3-methylphenol	BQL	10.0	3.26	1	11/22/2006	
4-Chlorophenyl phenyl ether	BQL	10.0	1.42	1	11/22/2006	
Chrysene	BQL	10.0	1.11	1	11/22/2006	
Dibenzo[a,h]anthracene	BQL	10.0	4.87	1	11/22/2006	
Di-n-Butylphthalate	BQL	10.0	1.65	1	11/22/2006	
1,2-Dichlorobenzene	BQL	10.0	1.25	1	11/22/2006	
1,3-Dichlorobenzene	BQL	10.0	1.24	1	11/22/2006	
1,4-Dichlorobenzene	BQL	10.0	1.20	1	11/22/2006	
3,3'-Dichlorobenzidine	BQL	20.0	4.10	1	11/22/2006	
2,4-Dichlorophenol	BQL	10.0	3.75	1	11/22/2006	
Diethylphthalate	BQL	10.0	1.48	1	11/22/2006	
Dimethylphthalate	BQL	10.0	1.04	1	11/22/2006	
2,4-Dimethylphenol	BQL	10.0	9.25	1	11/22/2006	
Di-n-octylphthalate	BQL	10.0	1.16	1	11/22/2006	
4,6-Dinitro-2-methylphenol	BQL	50.0	3.71	1	11/22/2006	
2,4-Dinitrophenol	BQL	50.0	4.20	1	11/22/2006	
2,4-Dinitrotoluene	BQL	10.0	1.52	1	11/22/2006	
2,6-Dinitrotoluene	BQL	10.0	1.41	1	11/22/2006	
Diphenylamine *	BQL	10.0	1.53	1	11/22/2006	
Fluoranthene	BQL	10.0	1.41	1	11/22/2006	
Fluorene	BQL	10.0	1.22	1	11/22/2006	
Hexachlorobenzene	BQL	10.0	1.22	1	11/22/2006	
Hexachlorobutadiene	BQL	10.0	1.58	1	11/22/2006	
Hexachlorocyclopentadiene	BQL	20.0	20.0	1	11/22/2006	
Hexachloroethane	BQL	10.0	1.58	1	11/22/2006	
Indeno(1,2,3-c,d)pyrene	BQL	10.0	4.57	1	11/22/2006	
Isophorone	BQL	10.0	1.27	1	11/22/2006	
Naphthalene	BQL	10.0	1.08	1	11/22/2006	

SGS

Results for Semivolatiles
by GCMS 625

Client Sample ID: UST45/S941-MW21
Client Project ID: NV015
Lab Sample ID: G650-93-14G
Lab Project ID: G650-93

Analyzed By: EAW
Date Collected: 11/14/2006 15:12
Date Received: 11/15/2006
Date Extracted: 11/20/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Nitrobenzene	BQL	10.0	1.32	1	11/22/2006	
2-Nitrophenol	BQL	10.0	3.52	1	11/22/2006	
4-Nitrophenol	BQL	50.0	3.17	1	11/22/2006	
N-Nitrosodi-n-propylamine	BQL	10.0	1.87	1	11/22/2006	
Pentachlorophenol	BQL	50.0	2.83	1	11/22/2006	
Phenanthrene	BQL	10.0	1.38	1	11/22/2006	
Phenol	BQL	10.0	3.38	1	11/22/2006	
Pyrene	BQL	10.0	2.08	1	11/22/2006	
1,2,4-Trichlorobenzene	BQL	10.0	1.33	1	11/22/2006	
2,4,6-Trichlorophenol	BQL	10.0	2.92	1	11/22/2006	

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.8	98
2-Fluorophenol	10	9.9	99
Nitrobenzene-d5	10	9.3	93
Phenol-d6	10	10.1	101
2,4,6-Tribromophenol	10	10.4	104
4-Terphenyl-d14	10	13.5	135

Comments:
* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:
BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By: _____

SGS

Results of Library Search for Semivolatile Compounds

by GCMS

Client Sample ID: UST45/S941-MW21
Client Project ID: NV015
Lab Sample ID: G650-93-14G
Lab Project ID: G650-93
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: EAW
Date Collected: 11/14/2006 15:12
Date Received: 11/15/2006
Date Extracted: 11/20/2006
Date Analyzed: 11/21/2006
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Unknown	12.15			13.3
2					
3					
4					
5					
6					
7					
8					
9					
10					

Comment:

Tentatively Identified Compound (TIC) refers to substances which are not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist.

Quantitation is accomplished by relative peak area of the compound compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is equal to or greater than 10% of that of the nearest internal standard. Quantitation provided is an estimate.

Reviewed by: RML

SGS

Results for Semivolatiles
by GCMS 625

Client Sample ID: UST45/S941-MW14
Client Project ID: NV015
Lab Sample ID: G650-93-15H
Lab Project ID: G650-93

Analyzed By: EAW
Date Collected: 11/14/2006 15:30
Date Received: 11/15/2006
Date Extracted: 11/20/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	10.0	1.22	1	11/22/2006	
Acenaphthylene	BQL	10.0	1.12	1	11/22/2006	
Anthracene	BQL	10.0	1.75	1	11/22/2006	
Benzo[a]anthracene	BQL	10.0	1.36	1	11/22/2006	
Benzo[a]pyrene	BQL	10.0	1.27	1	11/22/2006	
Benzo[b]fluoranthene	BQL	10.0	1.43	1	11/22/2006	
Benzo[g,h,i]perylene	BQL	10.0	4.57	1	11/22/2006	
Benzo[k]fluoranthene	BQL	10.0	1.09	1	11/22/2006	
Bis(2-chloroethoxy)methane	BQL	10.0	1.11	1	11/22/2006	
Bis(2-chloroethyl)ether	BQL	10.0	1.09	1	11/22/2006	
Bis(2-chloroisopropyl)ether	BQL	10.0	1.57	1	11/22/2006	
Bis(2-ethylhexyl)phthalate	BQL	10.0	1.33	1	11/22/2006	
4-bromophenyl phenyl ether	BQL	10.0	1.99	1	11/22/2006	
Butylbenzylphthalate	BQL	10.0	1.53	1	11/22/2006	
2-Chloronaphthalene	BQL	10.0	1.25	1	11/22/2006	
2-Chlorophenol	BQL	10.0	4.22	1	11/22/2006	
4-Chloro-3-methylphenol	BQL	10.0	3.26	1	11/22/2006	
4-Chlorophenyl phenyl ether	BQL	10.0	1.42	1	11/22/2006	
Chrysene	BQL	10.0	1.11	1	11/22/2006	
Dibenzo[a,h]anthracene	BQL	10.0	4.87	1	11/22/2006	
Di-n-Butylphthalate	BQL	10.0	1.65	1	11/22/2006	
1,2-Dichlorobenzene	BQL	10.0	1.25	1	11/22/2006	
1,3-Dichlorobenzene	BQL	10.0	1.24	1	11/22/2006	
1,4-Dichlorobenzene	BQL	10.0	1.20	1	11/22/2006	
3,3'-Dichlorobenzidine	BQL	20.0	4.10	1	11/22/2006	
2,4-Dichlorophenol	BQL	10.0	3.75	1	11/22/2006	
Diethylphthalate	BQL	10.0	1.48	1	11/22/2006	
Dimethylphthalate	BQL	10.0	1.04	1	11/22/2006	
2,4-Dimethylphenol	BQL	10.0	9.25	1	11/22/2006	
Di-n-octylphthalate	BQL	10.0	1.16	1	11/22/2006	
4,6-Dinitro-2-methylphenol	BQL	50.0	3.71	1	11/22/2006	
2,4-Dinitrophenol	BQL	50.0	4.20	1	11/22/2006	
2,4-Dinitrotoluene	BQL	10.0	1.52	1	11/22/2006	
2,6-Dinitrotoluene	BQL	10.0	1.41	1	11/22/2006	
Diphenylamine *	BQL	10.0	1.53	1	11/22/2006	
Fluoranthene	BQL	10.0	1.41	1	11/22/2006	
Fluorene	BQL	10.0	1.22	1	11/22/2006	
Hexachlorobenzene	BQL	10.0	1.22	1	11/22/2006	
Hexachlorobutadiene	BQL	10.0	1.58	1	11/22/2006	
Hexachlorocyclopentadiene	BQL	20.0	20.0	1	11/22/2006	
Hexachloroethane	BQL	10.0	1.58	1	11/22/2006	
Indeno(1,2,3-c,d)pyrene	BQL	10.0	4.57	1	11/22/2006	
Isophorone	BQL	10.0	1.27	1	11/22/2006	
Naphthalene	BQL	10.0	1.08	1	11/22/2006	

SGS

Results for Semivolatiles
by GCMS 625

Client Sample ID: UST45/S941-MW14
Client Project ID: NV015
Lab Sample ID: G650-93-15H
Lab Project ID: G650-93

Analyzed By: EAW
Date Collected: 11/14/2006 15:30
Date Received: 11/15/2006
Date Extracted: 11/20/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Nitrobenzene	BQL	10.0	1.32	1	11/22/2006	
2-Nitrophenol	BQL	10.0	3.52	1	11/22/2006	
4-Nitrophenol	BQL	50.0	3.17	1	11/22/2006	
N-Nitrosodi-n-propylamine	BQL	10.0	1.87	1	11/22/2006	
Pentachlorophenol	BQL	50.0	2.83	1	11/22/2006	
Phenanthrene	BQL	10.0	1.38	1	11/22/2006	
Phenol	BQL	10.0	3.38	1	11/22/2006	
Pyrene	BQL	10.0	2.08	1	11/22/2006	
1,2,4-Trichlorobenzene	BQL	10.0	1.33	1	11/22/2006	
2,4,6-Trichlorophenol	BQL	10.0	2.92	1	11/22/2006	

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.7	87
2-Fluorophenol	10	8.7	87
Nitrobenzene-d5	10	8.4	84
Phenol-d6	10	9.1	91
2,4,6-Tribromophenol	10	9.5	95
4-Terphenyl-d14	10	8.9	89

Comments:
* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:
BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By: _____

SGS

Results of Library Search for Semivolatile Compounds

by GCMS

Client Sample ID: UST45/S941-MW14
Client Project ID: NV015
Lab Sample ID: G650-93-15H
Lab Project ID: G650-93
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: EAW
Date Collected: 11/14/2006 15:30
Date Received: 11/15/2006
Date Extracted: 11/20/2006
Date Analyzed: 11/21/2006
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Unknown	12.15			13.8
2					
3					
4					
5					
6					
7					
8					
9					
10					

Comment:

Tentatively Identified Compound (TIC) refers to substances which are not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist.

Quantitation is accomplished by relative peak area of the compound compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is equal to or greater than 10% of that of the nearest internal standard. Quantitation provided is an estimate.

Reviewed by: RWL

SGS

Results for Semivolatiles
by GCMS 625

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: PB6728
Lab Project ID:

Analyzed By: EAW
Date Collected:
Date Received:
Date Extracted: 11/20/2006
Matrix: WATER

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	10.0	1.22	1	11/22/2006	
Acenaphthylene	BQL	10.0	1.12	1	11/22/2006	
Anthracene	BQL	10.0	1.75	1	11/22/2006	
Benzo[a]anthracene	BQL	10.0	1.36	1	11/22/2006	
Benzo[a]pyrene	BQL	10.0	1.27	1	11/22/2006	
Benzo[b]fluoranthene	BQL	10.0	1.43	1	11/22/2006	
Benzo[g,h,i]perylene	BQL	10.0	4.57	1	11/22/2006	
Benzo[k]fluoranthene	BQL	10.0	1.09	1	11/22/2006	
Bis(2-chloroethoxy)methane	BQL	10.0	1.11	1	11/22/2006	
Bis(2-chloroethyl)ether	BQL	10.0	1.09	1	11/22/2006	
Bis(2-chloroisopropyl)ether	BQL	10.0	1.57	1	11/22/2006	
Bis(2-ethylhexyl)phthalate	BQL	10.0	1.33	1	11/22/2006	
4-bromophenyl phenyl ether	BQL	10.0	1.99	1	11/22/2006	
Butylbenzylphthalate	BQL	10.0	1.53	1	11/22/2006	
2-Chloronaphthalene	BQL	10.0	1.25	1	11/22/2006	
2-Chlorophenol	BQL	10.0	4.22	1	11/22/2006	
4-Chloro-3-methylphenol	BQL	10.0	3.26	1	11/22/2006	
4-Chlorophenyl phenyl ether	BQL	10.0	1.42	1	11/22/2006	
Chrysene	BQL	10.0	1.11	1	11/22/2006	
Dibenzo[a,h]anthracene	BQL	10.0	4.87	1	11/22/2006	
Di-n-Butylphthalate	BQL	10.0	1.65	1	11/22/2006	
1,2-Dichlorobenzene	BQL	10.0	1.25	1	11/22/2006	
1,3-Dichlorobenzene	BQL	10.0	1.24	1	11/22/2006	
1,4-Dichlorobenzene	BQL	10.0	1.20	1	11/22/2006	
3,3'-Dichlorobenzidine	BQL	20.0	4.10	1	11/22/2006	
2,4-Dichlorophenol	BQL	10.0	3.75	1	11/22/2006	
Diethylphthalate	BQL	10.0	1.48	1	11/22/2006	
Dimethylphthalate	BQL	10.0	1.04	1	11/22/2006	
2,4-Dimethylphenol	BQL	10.0	9.25	1	11/22/2006	
Di-n-octylphthalate	BQL	10.0	1.16	1	11/22/2006	
4,6-Dinitro-2-methylphenol	BQL	50.0	3.71	1	11/22/2006	
2,4-Dinitrophenol	BQL	50.0	4.20	1	11/22/2006	
2,4-Dinitrotoluene	BQL	10.0	1.52	1	11/22/2006	
2,6-Dinitrotoluene	BQL	10.0	1.41	1	11/22/2006	
Diphenylamine *	BQL	10.0	1.53	1	11/22/2006	
Fluoranthene	BQL	10.0	1.41	1	11/22/2006	
Fluorene	BQL	10.0	1.22	1	11/22/2006	
Hexachlorobenzene	BQL	10.0	1.22	1	11/22/2006	
Hexachlorobutadiene	BQL	10.0	1.58	1	11/22/2006	
Hexachlorocyclopentadiene	BQL	20.0	20.0	1	11/22/2006	
Hexachloroethane	BQL	10.0	1.58	1	11/22/2006	
Indeno(1,2,3-c,d)pyrene	BQL	10.0	4.57	1	11/22/2006	
Isophorone	BQL	10.0	1.27	1	11/22/2006	
Naphthalene	BQL	10.0	1.08	1	11/22/2006	

SGS

Results for Semivolatiles
by GCMS 625

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: PB6728
Lab Project ID:

Analyzed By: EAW
Date Collected:
Date Received:
Date Extracted: 11/20/2006
Matrix: WATER

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Nitrobenzene	BQL	10.0	1.32	1	11/22/2006	
2-Nitrophenol	BQL	10.0	3.52	1	11/22/2006	
4-Nitrophenol	BQL	50.0	3.17	1	11/22/2006	
N-Nitrosodi-n-propylamine	BQL	10.0	1.87	1	11/22/2006	
Pentachlorophenol	BQL	50.0	2.83	1	11/22/2006	
Phenanthrene	BQL	10.0	1.38	1	11/22/2006	
Phenol	BQL	10.0	3.38	1	11/22/2006	
Pyrene	BQL	10.0	2.08	1	11/22/2006	
1,2,4-Trichlorobenzene	BQL	10.0	1.33	1	11/22/2006	
2,4,6-Trichlorophenol	BQL	10.0	2.92	1	11/22/2006	

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.8	88
2-Fluorophenol	10	7.7	77
Nitrobenzene-d5	10	8	80
Phenol-d6	10	8	80
2,4,6-Tribromophenol	10	7.3	73
4-Terphenyl-d14	10	8.9	89

Comments:
* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:
BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By: _____

SGS

Results For Matrix Spike / Matrix Spike Duplicate and Laboratory Control Standard (MS/MSD/LCS)
by GCMS

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: Batch-6728-MS/MSD/LCS
Lab Project ID:
Matrix: WATER
Prep Method: 3520

Date Collected:
Date Received:
Date Extracted: 11/20/06
Date Analyzed: 11/22/06
Analyzed By: MRC
Dilution: 1

	Sample Amount (µg/L)	MS Spike (µg/L)	MS Conc. (µg/L)	MS Spike % Rec.	MSD Spike (µg/L)	MSD Conc. (µg/L)	MSD Conc. % Rec.	RPD	QC Limits RPD	QC Limits % Rec.
Acenaphthylene	BQL	217	189	86.8	217	199	91.5	5.27	30	62.0-119
4-Chloro-3-methylphenol	BQL	217	191	87.8	217	189	87.1	0.800	30	67.0-109
2-Chlorophenol	BQL	217	173	79.5	217	179	82.3	3.46	30	59.0-95.0
1,4-Dichlorobenzene	BQL	217	125	57.7	217	152	69.8	19.0	30	29.0-86.0
2,4-Dinitrotoluene	BQL	217	216	99.3	217	218	101.0	1.20	30	63.0-103
N-Nitrosodi-n-propylamine	BQL	217	206	94.9	217	207	95.2	0.316	30	67.0-107
4-Nitrophenol	BQL	217	245	113	217	225	104.0	8.23	30	49.0-146
Pentachlorophenol	BQL	217	188	86.3	217	201	92.5	6.94	30	43.0-106
Phenol	BQL	217	168	77.1	217	170	78.3	1.54	30	61.0-100
Pyrene	BQL	217	213	97.9	217	224	103.0	5.17	30	41.0-123
1,2,4-Trichlorobenzene	BQL	217	158	72.8	217	180	82.9	13.0	30	41.0-96.0

	Spiked Amount (µg/L)	LCS Conc. (µg/L)	LCS Spike %	QC Limits % Rec.
Acenaphthylene	100	94.1	94.1	72.9-127
4-Chloro-3-methylphenol	100	89.1	89.1	61.6-113
2-Chlorophenol	100	84.2	84.2	52.3-104
1,4-Dichlorobenzene	100	72.3	72.3	27.3-85.0
2,4-Dinitrotoluene	100	104	104	66.5-117
N-Nitrosodi-n-propylamine	100	98.9	98.9	54.4-119
4-Nitrophenol	100	106	106	32.4-150
Pentachlorophenol	100	90.9	90.9	23.9-115
Phenol	100	80.1	80.1	54.5-106
Pyrene	100	116	116	63.5-126
1,2,4-Trichlorobenzene	100	85.2	85.2	49.1-98.5

Comments:

Concentrations reflect the spiked sample amounts.
Sample contained non-target interferences in the x5 or higher range.

Flags:

* = Out of limits.
NA = Not applicable.

Reviewed By: RMC

SGS

List of Reporting Abbreviations
and Data Qualifiers

B = Compound also detected in batch blank

BQL = Below Quantitation Limit (RL or MDL)

DF = Dilution Factor

Dup = Duplicate

D = Detected, but RPD is > 40% between results in dual column method.

E = Estimated concentration, exceeds calibration range.

J = Estimated concentration, below calibration range and above MDL

LCS(D) = Laboratory Control Spike (Duplicate)

MDL = Method Detection Limit

MS(D) = Matrix Spike (Duplicate)

PQL = Practical Quantitation Limit

RL = Reporting Limit

RPD = Relative Percent Difference

mg/kg = milligram per kilogram, ppm, parts per million

ug/kg = micrograms per kilogram, ppb, parts per billion

mg/L = milligram per liter, ppm, parts per million

ug/L = micrograms per liter, ppb, parts per billion

% Rec = Percent Recovery

% soilds = Percent Solids

Special Notes:

1) Metals and mercury samples are digested with a hot block, see the standard operating procedure document for details.

2) Uncertainty for all reported data is less than or equal to 30 percent.

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- New Jersey
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066023

(1)
CLIENT: Sovereign Consulting Inc
CONTACT: Theresa Eltzroth PHONE NO: (910) 526 3941
PROJECT: NY015 SITE/PWSID#: Bldg 45
REPORTS TO: ~~Theresa~~ Nikki Hall E-MAIL: nhall@sovcon.com cmurray@sovcon.com
Chris Murray FAX NO.: (757) 456-5295
INVOICE TO: Chris Murray QUOTE #
405 Oak Meadows Crescent Ste 1
Virginia Beach VA 23454 P.O. NUMBER

SGS Reference: G650-93 PAGE 1 OF 2

(2)

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	No CONTAINERS	SAMPLE TYPE (C=COMP G=GRAB)	Preservatives Used	HCl	HNO3	NaOH	Analysis Required (3)	REMARKS
	UST45/5941-MW06	11/13/06	1009	W	5			X	X	X	602, 3030C (Pb), 625 + TICs	
	UST45/5941-MW08	11/13/06	0922	W								
	UST45/5941-MW19	11/13/06	1153	W								
	UST45/5941-MW20	11/13/06	1230	W								
	UST45/5941-MW07	11/13/06	1320	W								
VV	UST45/5941-MW09	11/13/06	1355	W								
	UST45/5941-MW17	11/13/06	1437	W								
VV	UST45/5941-DUPLICATE	11/13/06	—	W								
	UST45/5941-MW05	11/14/06	1127	W								
	UST45/5941-PW01R	11/14/06	1220	W	5			X	X	X		

150

(5)

Collected/Relinquished By: (1)	Date	Time	Received By:
	0830 11/15/06	930 11/15/06	
Relinquished By: (2)	Date	Time	Received By:
Relinquished By: (3)	Date	Time	Received By:
Relinquished By: (4)	Date	Time	Received By:

(4)

Shipping Carrier: HAND DELIVERED
Shipping Ticket No:
Samples Received Cold? (Circle) YES NO
Temperature °C: 2.1 °F:
Special Deliverable Requirements: EDD Format
Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT

Requested Turnaround Time and Special Instructions:
Standard Turnaround
Email Results to: "EDD FORMAT"
nhall@sovcon.com cmurray@sovcon.com

SGS

200 W. Pott[illegible] Anchorage, AK 99518 Tel: (907) 562-2343 Fax: (907) 561-5301
5500 Busin[illegible] Wilmington, NC 28405 Tel: (910) 350-1903 Fax: (910) 350-1557
1270 Greenbrier S[illegible] Charleston, WV 25311 Tel: (304) 346-0725 Fax: (304) 346-0761

White - [illegible]ed by Lab
Yellow - Returned with Report
Pink - Retained by Sampler

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066024

(1)

CLIENT: Sovereign Consulting, Inc.

CONTACT: PHONE NO:( )

PROJECT: NV015 SITE/PWSID#: Bldg 45

REPORTS TO: E-MAIL:

Same as pg 1 FAX NO.:( )

INVOICE TO: QUOTE #

P.O. NUMBER

SGS Reference: 66503

PAGE 2 OF 2

(2)

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	No CONTAINERS	SAMPLE TYPE (C=COMP, G=GRAB)	Preservatives Used: 40ml HNO3 Non	Analysis Required (3): 8021 8330a (PD) VOCs +10 TICs	REMARKS
	UST45/5941-MW03R	11/14/06	1235	W	5		x	x x	
15d	UST45/5941-MW02R	11/14/06	1258	W	↑		↑	↑ ↑	
15c	UST45/5941-MW04/45	11/14/06	1440	W	↕		↕	↕ ↕	
	UST45/5941-MW21	11/14/06	1512	W	↓		↓	↓ ↓	
	UST45/5941-MW14	11/14/06	1530	W	5		x	x x	
	TRIP BLANKS	11/15/06	GRAB	W	2		x		

(5)

Collected/Relinquished By: (1)	Date	Time	Received By:
	8830 11/15/06	0930 11/15/06	Amy DiKaney
Relinquished By: (2)	Date	Time	Received By:
Relinquished By: (3)	Date	Time	Received By:
Relinquished By: (4)	Date	Time	Received By:

(4)

Shipping Carrier: Hand Delivered
Shipping Ticket No:

Samples Received Cold? (Circle) YES NO

Temperature °C: 2.1 °F

Special Deliverable Requirements:

Chain of Custody Seal: (Circle)
INTACT BROKEN ABSENT

Requested Turnaround Time and Special Instructions:

White - ...ned by Lab
Yellow - Returned with Report
Pink - Retained by Sampler

SGS

Mr. Chris Murray
Sovereign Consulting
405 Oakmears Crescent
Suite 1
Virginia Beach VA 23462
Report Number: G650-94

Client Project: NV015

Dear Mr. Murray:

Enclosed are the results of the analytical services performed under the referenced project. The samples are certified to meet the requirements of the National Environmental Laboratory Accreditation Conference Standards. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or the services performed during this project, please call SGS/Paradigm at (910) 350-1903. We will be happy to answer any questions or concerns which you may have.

Thank you for using SGS/Paradigm Analytical Labs for your analytical services. We look forward to working with you again on any additional analytical needs which you may have.

Sincerely,
SGS/Paradigm Analytical Laboratories, Inc.

11/30/2006
Laboratory Director Date
J. Patrick Weaver

Paradigm Analytical Laboratories, Inc. | 5500 Business Dr., Wilmington, NC 28405 t (910) 350-1903 f (910) 350-1557 www.sgs.com

Member of the SGS Group

SGS

Results for Volatiles
by GC 602

Client Sample ID: UST45/S941-MW01/45
Client Project ID: NV015
Lab Sample ID: G650-94-1A
Lab Project ID: G650-94

Analyzed By: RSB
Date Collected: 11/15/2006 11:10
Date Received: 11/16/2006
Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	0.183	1	11/27/2006
Diisopropyl ether (DIPE)	BQL	1.00	0.229	1	11/27/2006
Ethylbenzene	BQL	1.00	0.181	1	11/27/2006
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.359	1	11/27/2006
Toluene	BQL	1.00	0.157	1	11/27/2006
m/p-Xylene	BQL	2.00	0.481	1	11/27/2006
o-Xylene	BQL	2.00	0.584	1	11/27/2006

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	45.1	113

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: RML

SGS

Mr. Chris Murray
Sovereign Consulting
405 Oakmears Crescent
Suite 1
Virginia Beach VA 23462
Report Number: G650-94

Client Project: NV015

Dear Mr. Murray:

Enclosed are the results of the analytical services performed under the referenced project. The samples are certified to meet the requirements of the National Environmental Laboratory Accreditation Conference Standards. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or the services performed during this project, please call SGS/Paradigm at (910) 350-1903. We will be happy to answer any questions or concerns which you may have.

Thank you for using SGS/Paradigm Analytical Labs for your analytical services. We look forward to working with you again on any additional analytical needs which you may have.

Sincerely,
SGS/Paradigm Analytical Laboratories, Inc.

11/30/2006
Laboratory Director Date
J. Patrick Weaver

Paradigm Analytical Laboratories, Inc. | 5500 Business Dr., Wilmington, NC 28405 t (910) 350-1903 f (910) 350-1557 www.sgs.com

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SGS

Results for Volatiles
by GC 602

Client Sample ID: UST45/S941-MW01/45
Client Project ID: NV015
Lab Sample ID: G650-94-1A
Lab Project ID: G650-94

Analyzed By: RSB
Date Collected: 11/15/2006 11:10
Date Received: 11/16/2006
Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	0.183	1	11/27/2006
Diisopropyl ether (DIPE)	BQL	1.00	0.229	1	11/27/2006
Ethylbenzene	BQL	1.00	0.181	1	11/27/2006
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.359	1	11/27/2006
Toluene	BQL	1.00	0.157	1	11/27/2006
m/p-Xylene	BQL	2.00	0.481	1	11/27/2006
o-Xylene	BQL	2.00	0.584	1	11/27/2006

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	45.1	113

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: RML
Copy of GC-VOA_WA

SGS

Results for Volatiles
by GC 602

Client Sample ID: UST45/S941-MW04
Client Project ID: NV015
Lab Sample ID: G650-94-2A
Lab Project ID: G650-94

Analyzed By: RSB
Date Collected: 11/15/2006 12:45
Date Received: 11/16/2006
Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	0.183	1	11/28/2006
Diisopropyl ether (DIPE)	BQL	1.00	0.229	1	11/28/2006
Ethylbenzene	BQL	1.00	0.181	1	11/28/2006
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.359	1	11/28/2006
Toluene	BQL	1.00	0.157	1	11/28/2006
m/p-Xylene	BQL	2.00	0.481	1	11/28/2006
o-Xylene	BQL	2.00	0.584	1	11/28/2006

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	45.7	114

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: _____
Copy of GC-VOA_WA

SGS

Results for Volatiles
by GC 602

Client Sample ID: UST45/S941-MW12
Client Project ID: NV015
Lab Sample ID: G650-94-3A
Lab Project ID: G650-94

Analyzed By: RSB
Date Collected: 11/15/2006 12:25
Date Received: 11/16/2006
Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	0.183	1	11/28/2006
Diisopropyl ether (DIPE)	BQL	1.00	0.229	1	11/28/2006
Ethylbenzene	BQL	1.00	0.181	1	11/28/2006
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.359	1	11/28/2006
Toluene	BQL	1.00	0.157	1	11/28/2006
m/p-Xylene	BQL	2.00	0.481	1	11/28/2006
o-Xylene	BQL	2.00	0.584	1	11/28/2006

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	45.3	113

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: _____
Copy of GC-VOA_WA

SGS

Results for Volatiles
by GC 602

Client Sample ID: UST45/S941-MW13
Client Project ID: NV015
Lab Sample ID: G650-94-4A
Lab Project ID: G650-94

Analyzed By: RSB
Date Collected: 11/15/2006 13:25
Date Received: 11/16/2006
Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	0.183	1	11/28/2006
Diisopropyl ether (DIPE)	BQL	1.00	0.229	1	11/28/2006
Ethylbenzene	BQL	1.00	0.181	1	11/28/2006
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.359	1	11/28/2006
Toluene	BQL	1.00	0.157	1	11/28/2006
m/p-Xylene	BQL	2.00	0.481	1	11/28/2006
o-Xylene	BQL	2.00	0.584	1	11/28/2006

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	45.8	114

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: RWL

SGS

Results for Volatiles

by GC 602

Client Sample ID: UST45/S941-MW15
Client Project ID: NV015
Lab Sample ID: G650-94-5A
Lab Project ID: G650-94

Analyzed By: RSB
Date Collected: 11/15/2006 10:47
Date Received: 11/16/2006
Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	0.183	1	11/28/2006
Diisopropyl ether (DIPE)	BQL	1.00	0.229	1	11/28/2006
Ethylbenzene	BQL	1.00	0.181	1	11/28/2006
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.359	1	11/28/2006
Toluene	BQL	1.00	0.157	1	11/28/2006
m/p-Xylene	BQL	2.00	0.481	1	11/28/2006
o-Xylene	BQL	2.00	0.584	1	11/28/2006

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	44.6	112

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: _____
Copy of GC-VOA_WA

SGS

Results for Volatiles
by GC 602

Client Sample ID: UST45/S941-MW18
Client Project ID: NV015
Lab Sample ID: G650-94-6A
Lab Project ID: G650-94

Analyzed By: RSB
Date Collected: 11/15/2006 11:38
Date Received: 11/16/2006
Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	0.183	1	11/28/2006
Diisopropyl ether (DIPE)	BQL	1.00	0.229	1	11/28/2006
Ethylbenzene	BQL	1.00	0.181	1	11/28/2006
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.359	1	11/28/2006
Toluene	BQL	1.00	0.157	1	11/28/2006
m/p-Xylene	BQL	2.00	0.481	1	11/28/2006
o-Xylene	BQL	2.00	0.584	1	11/28/2006

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	44.9	112

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: [signature]

SGS

Results for Volatiles
by GC 602

Client Sample ID: Trip Blank
Client Project ID: NV015
Lab Sample ID: G650-94-7A
Lab Project ID: G650-94

Analyzed By: RSB
Date Collected: 11/15/2006 0:00
Date Received: 11/16/2006
Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	0.183	1	11/27/2006
Diisopropyl ether (DIPE)	BQL	1.00	0.229	1	11/27/2006
Ethylbenzene	BQL	1.00	0.181	1	11/27/2006
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.359	1	11/27/2006
Toluene	**0.261**	1.00	0.157	1	11/27/2006
m/p-Xylene	BQL	2.00	0.481	1	11/27/2006
o-Xylene	BQL	2.00	0.584	1	11/27/2006

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	45.4	114

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: RML

SGS

Results for Volatiles
by GC 602

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: VBLK5112706A
Lab Project ID:

Analyzed By: RSB
Date Collected:
Date Received:
Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	0.183	1	11/27/2006
Diisopropyl ether (DIPE)	BQL	1.00	0.229	1	11/27/2006
Ethylbenzene	BQL	1.00	0.181	1	11/27/2006
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.359	1	11/27/2006
Toluene	BQL	1.00	0.157	1	11/27/2006
m/p-Xylene	BQL	2.00	0.481	1	11/27/2006
o-Xylene	BQL	2.00	0.584	1	11/27/2006

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	44.7	112

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: _____

SGS

Results for MS-MSD

Method : 601 Spike[ppb] : 10

Sample : 112706/117b
MS : 112706/119b
MSD : 112706/120b

		µg/L		%REC		Limits	
	Compound	Sam.	MS	MSD	MS	MSD	Lower	Upper
	Bromodichloromethane	ND	10.7	11.2	102	106	42	172
	Bromoform	2.15	7.8	7.8	56	57	13	159
	Bromomethane	ND	9.4	11.7	88	112	D	144
	Carbon tetrachloride	ND	27.1	28.4	136	142	43	143
	Chlorobenzene	ND	11.2	11.6	112	116	38	150
	Chloroethane	ND	16.7	19.2	162 +	187 +	46	137
	Chloroform	ND	10.7	11.4	107	114	49	133
	Chloromethane	ND	21.6	25.8	214 +	256 +	D	193
	Dibromochloromethane	ND	10.0	10.1	92	94	24	191
•	1,2-Dibromoethane	ND	9.8	10.1	98	101	D	206
	1,2-Dichlorobenzene	ND	11.1	12.0	111	120	D	208
	1,3-Dichlorobenzene	ND	11.3	12.1	113	121	7	187
	1,4-Dichlorobenzene	ND	11.5	12.2	115	122	42	143
	1,1-Dichloroethane	ND	11.5	12.4	115	124	47	132
	1,2-Dichloroethane	ND	11.5	12.2	115	122	51	147
	1,1-Dichloroethene	ND	13.5	14.3	135	143	28	167
•	cis-1,2-Dichloroethene	ND	23.9	25.3	239 +	253 +	19	181
	trans-1,2-Dichloroethene	ND	12.4	13.2	124	132	38	155
	1,2-Dichloropropane	ND	2.1	3.8	21 +	38 +	44	156
	cis-1,3-Dichloropropene	ND	10.0	10.7	100	107	22	178
	trans-1,3-Dichloropropene	ND	8.8	9.4	85	91	22	178
	Methylene Chloride	ND	11.4	12.2	114	122	25	162
	1,1,2,2-Tertrachloroethane	ND	24.4	52.2	122	261 +	8	184
	Tetrachloroethane	ND	10.9	11.2	105	107	26	162
	1,1,1-Trichloroethane	ND	12.6	13.3	126	133	41	138
	1,1,2-Trichloroethane	ND	11.0	11.5	110	115	39	136
	Trichloroethene	ND	12.6	13.5	126	135	35	146
	Trichlorofluromethane	ND	16.1	18.0	154	173 +	21	156
	Vinyl Chloride	ND	17.5	20.6	170 +	200 +	28	163

Method: 602 Spike[ppb] : 10

Sample : 112706/017f
MS : 112706/019f
MSD : 112706/020f

		µg/L		%REC		Limits	
	Compound	Sam.	MS	MSD	MS	MSD	Lower	Upper
	Benzene	24.7	34.3	34.8	96	101	39	150
	Chlorobenzene	ND	9.9	10.2	99	102	55	135
	1,2-Dichlorobenzene	ND	5.6	6.0	56	60	37	154
	1,3-Dichlorobenzene	ND	20.9	21.8	104	109	50	141
	1,4-Dichlorobenzene	ND	9.3	9.8	93	98	42	143
•	Diisopropyl ether	3.2	12.9	13.1	97	99	30	170
	Ethylbenzene	ND	10.9	11.3	109	113	32	160
•	MTBE	13.3	35.2	35.6	109	111	35	165
	Toluene	ND	10.6	10.9	106	109	46	148
•	m,p-Xylene	ND	21.4	22.1	107	111	D	239
•	o-Xylene	ND	20.7	21.5	104	107	36	164

Flags :

+ = out of QC limits.
• = lab generated limits.
D = Detected
ND = None Detected

SGS

Results for QC Check / Labortory Control Spike

Method : 601 Spike[ppb] : 10

Filename : 112706/105b

Compound	ppb	Q(%)	QC Limits Lower	QC Limits Upper	P_s(%)	LCS Limits Lower	LCS Limits Upper
Bromodichloromethane	7.8	77.7	76.0	124.0	78	42	172
Bromoform	123.5	1234.8 +	73.5	126.5	1235 +	13	159
Bromomethane	18.3	182.7 +	58.5	141.5	183 +	D	144
Carbon tetrachloride	14.4	143.9 +	68.5	131.5	144 +	43	143
Chlorobenzene	25.8	258.3 +	72.0	128.0	258 +	38	150
Chloroethane	24.1	240.8 +	77.0	123.0	241 +	46	137
Chloroform	0.0	0.0 +	75.0	125.0	0 +	49	133
Chloromethane	21.8	218.2 +	59.5	140.5	218 +	D	193
Dibromochloromethane	14.7	147.4 +	65.5	134.5	147	24	191
◆ 1,2-Dibromoethane	0.0	0.0 +	13.6	186.4	0 +	D	206
1,2-Dichlorobenzene	0.0	0.0 +	70.0	130.0	0 +	D	208
1,3-Dichlorobenzene	16.2	162.1 +	49.5	150.5	162	7	187
1,4-Dichlorobenzene	14.4	144.2 +	69.5	130.5	144 +	42	143
1,1-Dichloroethane	14.8	148.3 +	84.0	116.0	148 +	47	132
1,2-Dichloroethane	14.6	146.0 +	71.5	128.5	146	51	147
1,1-Dichloroethene	15.8	157.6 +	63.0	137.0	158	28	167
◆ cis-1,2-Dichloroethene	14.8	147.9	34.4	180.6	148	19	181
trans-1,2-Dichloroethene	14.3	143.0 +	64.0	136.0	143	38	155
1,2-Dichloropropane	0.0	0.0 +	74.0	126.0	0 +	44	156
cis-1,3-Dichloropropene	15.6	156.0 +	64.0	136.0	156	22	178
trans-1,3-Dichloropropene	14.2	142.5 +	64.0	136.0	142	22	178
Methylene Chloride	14.3	143.3 +	77.5	122.5	143	25	162
1,1,2,2-Tertrachloroethane	32.5	162.4 +	49.0	151.0	162	8	184
Tetrachloroethene	28.6	143.2 +	70.0	130.0	143	26	162
1,1,1-Trichloroethane	14.6	145.7 +	71.0	129.0	146 +	41	138
1,1,2-Trichloroethane	0.0	0.0 +	78.5	121.5	0 +	39	136
Trichloroethene	13.9	139.5 +	77.0	123.0	139	35	146
Trichlorofluromethane	20.5	204.9 +	66.5	133.5	205 +	21	156
Vinyl Chloride	20.2	201.5 +	68.5	131.5	202 +	28	163

Method: 602 Spike[ppb] : 10

Filename : 112706/005f

Compound	ppb	Q(%)	QC Limits Lower	QC Limits Upper	P_s(%)	LCS Limits Lower	LCS Limits Upper
Benzene	9.8	98.2	77.0	123.0	98	39	150
Chlorobenzene	9.6	95.7	80.5	119.5	96	55	135
1,2-Dichlorobenzene	5.5	55.0 +	68.0	132.0	55	37	154
1,3-Dichlorobenzene	20.3	101.7	72.5	127.5	102	50	141
1,4-Dichlorobenzene	9.4	93.6	69.5	130.5	94	42	143
◆ Diisopropyl ether	9.0	89.9	43.1	156.9	90	30	170
Ethylbenzene	10.4	104.1	63.0	137.0	104	32	160
◆ MTBE	20.4	102.1	46.8	153.2	102	35	165
Toluene	10.1	101.0	77.5	127.0	101	46	148
◆ m,p-Xylene	20.5	102.7	11.2	188.8	103	D	239
◆ o-Xylene	10.1	100.9	47.6	152.4	101	36	164

Flags :

+ = out of QC limits.
◆ = lab generated limits.
D = Detected

SGS

Results for QC Check / Labortory Control Spike

Method : 601 Spike[ppb] : 10

Filename : 112706/104b

Compound	ppb	Q(%)	QC Limits Lower	QC Limits Upper	P_s(%)	LCS Limits Lower	LCS Limits Upper
Bromodichloromethane	10.6	106.4	76.0	124.0	106	42	172
Bromoform	8.0	80.4	73.5	126.5	80	13	159
Bromomethane	11.8	117.5	58.5	141.5	118	D	144
Carbon tetrachloride	14.2	141.7 +	68.5	131.5	142	43	143
Chlorobenzene	11.8	117.8	72.0	128.0	118	38	150
Chloroethane	18.6	186.4 +	77.0	123.0	186 +	46	137
Chloroform	11.2	111.7	75.0	125.0	112	49	133
Chloromethane	23.2	231.7 +	59.5	140.5	232 +	D	193
Dibromochloromethane	9.8	97.9	65.5	134.5	98	24	191
• 1,2-Dibromoethane	10.1	100.6	13.6	186.4	101	D	206
1,2-Dichlorobenzene	12.1	120.9	70.0	130.0	121	D	208
1,3-Dichlorobenzene	12.2	121.7	49.5	150.5	122	7	187
1,4-Dichlorobenzene	12.4	124.4	69.5	130.5	124	42	143
1,1-Dichloroethane	11.9	119.4 +	84.0	116.0	119	47	132
1,2-Dichloroethane	11.3	113.4	71.5	128.5	113	51	147
1,1-Dichloroethene	14.1	141.2 +	63.0	137.0	141	28	167
• cis-1,2-Dichloroethene	13.0	130.4	34.4	180.6	130	19	181
trans-1,2-Dichloroethene	13.1	130.5	64.0	136.0	131	38	155
1,2-Dichloropropane	2.0	20.2 +	74.0	126.0	20 +	44	156
cis-1,3-Dichloropropene	10.5	104.5	64.0	136.0	105	22	178
trans-1,3-Dichloropropene	9.2	91.6	64.0	136.0	92	22	178
Methylene Chloride	12.0	119.5	77.5	122.5	120	25	162
1,1,2,2-Tertrachloroethane	26.2	131.1	49.0	151.0	131	8	184
Tetrachloroethene	26.6	133.0 +	70.0	130.0	133	26	162
1,1,1-Trichloroethane	13.1	130.9 +	71.0	129.0	131	41	138
1,1,2-Trichloroethane	11.5	114.8	78.5	121.5	115	39	136
Trichloroethene	13.1	131.2 +	77.0	123.0	131	35	146
Trichlorofluromethane	16.1	160.8 +	66.5	133.5	161 +	21	156
Vinyl Chloride	17.4	173.7 +	68.5	131.5	174 +	28	163

Method: 602 Spike[ppb] : 10

Filename : 112706/004f

Compound	ppb	Q(%)	QC Limits Lower	QC Limits Upper	P_s(%)	LCS Limits Lower	LCS Limits Upper
Benzene	10.3	102.7	77.0	123.0	103	39	150
Chlorobenzene	10.0	100.1	80.5	119.5	100	55	135
1,2-Dichlorobenzene	5.7	57.5 +	68.0	132.0	57	37	154
1,3-Dichlorobenzene	21.6	108.1	72.5	127.5	108	50	141
1,4-Dichlorobenzene	9.9	98.7	69.5	130.5	99	42	143
• Diisopropyl ether	9.1	91.1	43.1	156.9	91	30	170
Ethylbenzene	11.0	109.9	63.0	137.0	110	32	160
• MTBE	21.4	107.1	46.8	153.2	107	35	165
Toluene	10.6	106.2	77.5	127.0	106	46	148
• m,p-Xylene	21.7	108.4	11.2	188.8	108	D	239
• o-Xylene	10.6	105.5	47.6	152.4	106	36	164

Flags :

+ = out of QC limits.
• = lab generated limits.
D = Detected

SGS

Results for Semivolatiles
by GCMS 625

Client Sample ID: UST45/S941-MW01/45
Client Project ID: NV015
Lab Sample ID: G650-94-1G
Lab Project ID: G650-94

Analyzed By: EAW
Date Collected: 11/15/2006 11:10
Date Received: 11/16/2006
Date Extracted: 11/20/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	10.0	1.22	1	11/22/2006	
Acenaphthylene	BQL	10.0	1.12	1	11/22/2006	
Anthracene	BQL	10.0	1.75	1	11/22/2006	
Benzo[a]anthracene	BQL	10.0	1.36	1	11/22/2006	
Benzo[a]pyrene	BQL	10.0	1.27	1	11/22/2006	
Benzo[b]fluoranthene	BQL	10.0	1.43	1	11/22/2006	
Benzo[g,h,i]perylene	BQL	10.0	4.57	1	11/22/2006	
Benzo[k]fluoranthene	BQL	10.0	1.09	1	11/22/2006	
Bis(2-chloroethoxy)methane	BQL	10.0	1.11	1	11/22/2006	
Bis(2-chloroethyl)ether	BQL	10.0	1.09	1	11/22/2006	
Bis(2-chloroisopropyl)ether	BQL	10.0	1.57	1	11/22/2006	
Bis(2-ethylhexyl)phthalate	BQL	10.0	1.33	1	11/22/2006	
4-bromophenyl phenyl ether	BQL	10.0	1.99	1	11/22/2006	
Butylbenzylphthalate	BQL	10.0	1.53	1	11/22/2006	
2-Chloronaphthalene	BQL	10.0	1.25	1	11/22/2006	
2-Chlorophenol	BQL	10.0	4.22	1	11/22/2006	
4-Chloro-3-methylphenol	BQL	10.0	3.26	1	11/22/2006	
4-Chlorophenyl phenyl ether	BQL	10.0	1.42	1	11/22/2006	
Chrysene	BQL	10.0	1.11	1	11/22/2006	
Dibenzo[a,h]anthracene	BQL	10.0	4.87	1	11/22/2006	
Di-n-Butylphthalate	BQL	10.0	1.65	1	11/22/2006	
1,2-Dichlorobenzene	BQL	10.0	1.25	1	11/22/2006	
1,3-Dichlorobenzene	BQL	10.0	1.24	1	11/22/2006	
1,4-Dichlorobenzene	BQL	10.0	1.20	1	11/22/2006	
3,3'-Dichlorobenzidine	BQL	20.0	4.10	1	11/22/2006	
2,4-Dichlorophenol	BQL	10.0	3.75	1	11/22/2006	
Diethylphthalate	BQL	10.0	1.48	1	11/22/2006	
Dimethylphthalate	BQL	10.0	1.04	1	11/22/2006	
2,4-Dimethylphenol	BQL	10.0	9.25	1	11/22/2006	
Di-n-octylphthalate	BQL	10.0	1.16	1	11/22/2006	
4,6-Dinitro-2-methylphenol	BQL	50.0	3.71	1	11/22/2006	
2,4-Dinitrophenol	BQL	50.0	4.20	1	11/22/2006	
2,4-Dinitrotoluene	BQL	10.0	1.52	1	11/22/2006	
2,6-Dinitrotoluene	BQL	10.0	1.41	1	11/22/2006	
Diphenylamine *	BQL	10.0	1.53	1	11/22/2006	
Fluoranthene	BQL	10.0	1.41	1	11/22/2006	
Fluorene	BQL	10.0	1.22	1	11/22/2006	
Hexachlorobenzene	BQL	10.0	1.22	1	11/22/2006	
Hexachlorobutadiene	BQL	10.0	1.58	1	11/22/2006	
Hexachlorocyclopentadiene	BQL	20.0	20.0	1	11/22/2006	
Hexachloroethane	BQL	10.0	1.58	1	11/22/2006	
Indeno(1,2,3-c,d)pyrene	BQL	10.0	4.57	1	11/22/2006	
Isophorone	BQL	10.0	1.27	1	11/22/2006	
Naphthalene	BQL	10.0	1.08	1	11/22/2006	

SGS

Results for Semivolatiles
by GCMS 625

Client Sample ID: UST45/S941-MW01/45
Client Project ID: NV015
Lab Sample ID: G650-94-1G
Lab Project ID: G650-94

Analyzed By: EAW
Date Collected: 11/15/2006 11:10
Date Received: 11/16/2006
Date Extracted: 11/20/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Nitrobenzene	BQL	10.0	1.32	1	11/22/2006	
2-Nitrophenol	BQL	10.0	3.52	1	11/22/2006	
4-Nitrophenol	BQL	50.0	3.17	1	11/22/2006	
N-Nitrosodi-n-propylamine	BQL	10.0	1.87	1	11/22/2006	
Pentachlorophenol	BQL	50.0	2.83	1	11/22/2006	
Phenanthrene	BQL	10.0	1.38	1	11/22/2006	
Phenol	BQL	10.0	3.38	1	11/22/2006	
Pyrene	BQL	10.0	2.08	1	11/22/2006	
1,2,4-Trichlorobenzene	BQL	10.0	1.33	1	11/22/2006	
2,4,6-Trichlorophenol	BQL	10.0	2.92	1	11/22/2006	

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.8	98
2-Fluorophenol	10	9.8	98
Nitrobenzene-d5	10	9.3	93
Phenol-d6	10	9.9	99
2,4,6-Tribromophenol	10	10.6	106
4-Terphenyl-d14	10	6.6	66

Comments:

* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:

BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By: _____

SGS

Results of Library Search for Semivolatile Compounds

by GCMS

Client Sample ID: UST45/S941-MW01/45
Client Project ID: NV015
Lab Sample ID: G650-94-1G
Lab Project ID: G650-94
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: EAW
Date Collected: 11/15/2006 11:10
Date Received: 11/16/2006
Date Extracted: 11/20/2006
Date Analyzed: 11/21/2006
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Unknown	12.16			15.2
2					
3					
4					
5					
6					
7					
8					
9					
10					

Comment:

Tentatively Identified Compound (TIC) refers to substances which are not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist.

Quantitation is accomplished by relative peak area of the compound compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is equal to or greater than 10% of that of the nearest internal standard. Quantitation provided is an estimate.

Reviewed by: _____

SGS

Results for Semivolatiles
by GCMS 625

Client Sample ID: UST45/S941-MW04
Client Project ID: NV015
Lab Sample ID: G650-94-2G
Lab Project ID: G650-94

Analyzed By: EAW
Date Collected: 11/15/2006 12:45
Date Received: 11/16/2006
Date Extracted: 11/20/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	10.0	1.22	1	11/22/2006	
Acenaphthylene	BQL	10.0	1.12	1	11/22/2006	
Anthracene	BQL	10.0	1.75	1	11/22/2006	
Benzo[a]anthracene	BQL	10.0	1.36	1	11/22/2006	
Benzo[a]pyrene	BQL	10.0	1.27	1	11/22/2006	
Benzo[b]fluoranthene	BQL	10.0	1.43	1	11/22/2006	
Benzo[g,h,i]perylene	BQL	10.0	4.57	1	11/22/2006	
Benzo[k]fluoranthene	BQL	10.0	1.09	1	11/22/2006	
Bis(2-chloroethoxy)methane	BQL	10.0	1.11	1	11/22/2006	
Bis(2-chloroethyl)ether	BQL	10.0	1.09	1	11/22/2006	
Bis(2-chloroisopropyl)ether	BQL	10.0	1.57	1	11/22/2006	
Bis(2-ethylhexyl)phthalate	1.90	10.0	1.33	1	11/22/2006	J
4-bromophenyl phenyl ether	BQL	10.0	1.99	1	11/22/2006	
Butylbenzylphthalate	BQL	10.0	1.53	1	11/22/2006	
2-Chloronaphthalene	BQL	10.0	1.25	1	11/22/2006	
2-Chlorophenol	BQL	10.0	4.22	1	11/22/2006	
4-Chloro-3-methylphenol	BQL	10.0	3.26	1	11/22/2006	
4-Chlorophenyl phenyl ether	BQL	10.0	1.42	1	11/22/2006	
Chrysene	BQL	10.0	1.11	1	11/22/2006	
Dibenzo[a,h]anthracene	BQL	10.0	4.87	1	11/22/2006	
Di-n-Butylphthalate	BQL	10.0	1.65	1	11/22/2006	
1,2-Dichlorobenzene	BQL	10.0	1.25	1	11/22/2006	
1,3-Dichlorobenzene	BQL	10.0	1.24	1	11/22/2006	
1,4-Dichlorobenzene	BQL	10.0	1.20	1	11/22/2006	
3,3'-Dichlorobenzidine	BQL	20.0	4.10	1	11/22/2006	
2,4-Dichlorophenol	BQL	10.0	3.75	1	11/22/2006	
Diethylphthalate	BQL	10.0	1.48	1	11/22/2006	
Dimethylphthalate	BQL	10.0	1.04	1	11/22/2006	
2,4-Dimethylphenol	BQL	10.0	9.25	1	11/22/2006	
Di-n-octylphthalate	BQL	10.0	1.16	1	11/22/2006	
4,6-Dinitro-2-methylphenol	BQL	50.0	3.71	1	11/22/2006	
2,4-Dinitrophenol	BQL	50.0	4.20	1	11/22/2006	
2,4-Dinitrotoluene	BQL	10.0	1.52	1	11/22/2006	
2,6-Dinitrotoluene	BQL	10.0	1.41	1	11/22/2006	
Diphenylamine *	BQL	10.0	1.53	1	11/22/2006	
Fluoranthene	BQL	10.0	1.41	1	11/22/2006	
Fluorene	BQL	10.0	1.22	1	11/22/2006	
Hexachlorobenzene	BQL	10.0	1.22	1	11/22/2006	
Hexachlorobutadiene	BQL	10.0	1.58	1	11/22/2006	
Hexachlorocyclopentadiene	BQL	20.0	20.0	1	11/22/2006	
Hexachloroethane	BQL	10.0	1.58	1	11/22/2006	
Indeno(1,2,3-c,d)pyrene	BQL	10.0	4.57	1	11/22/2006	
Isophorone	BQL	10.0	1.27	1	11/22/2006	
Naphthalene	BQL	10.0	1.08	1	11/22/2006	

SGS

Results for Semivolatiles
by GCMS 625

Client Sample ID: UST45/S941-MW04
Client Project ID: NV015
Lab Sample ID: G650-94-2G
Lab Project ID: G650-94

Analyzed By: EAW
Date Collected: 11/15/2006 12:45
Date Received: 11/16/2006
Date Extracted: 11/20/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Nitrobenzene	BQL	10.0	1.32	1	11/22/2006	
2-Nitrophenol	BQL	10.0	3.52	1	11/22/2006	
4-Nitrophenol	BQL	50.0	3.17	1	11/22/2006	
N-Nitrosodi-n-propylamine	BQL	10.0	1.87	1	11/22/2006	
Pentachlorophenol	BQL	50.0	2.83	1	11/22/2006	
Phenanthrene	BQL	10.0	1.38	1	11/22/2006	
Phenol	BQL	10.0	3.38	1	11/22/2006	
Pyrene	BQL	10.0	2.08	1	11/22/2006	
1,2,4-Trichlorobenzene	BQL	10.0	1.33	1	11/22/2006	
2,4,6-Trichlorophenol	BQL	10.0	2.92	1	11/22/2006	

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.3	93
2-Fluorophenol	10	9.1	91
Nitrobenzene-d5	10	8.8	88
Phenol-d6	10	9.4	94
2,4,6-Tribromophenol	10	9.6	96
4-Terphenyl-d14	10	13	130

Comments:
* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:
BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By: _____

SGS

Results of Library Search for Semivolatile Compounds

by GCMS

Client Sample ID: UST45/S941-MW04
Client Project ID: NV015
Lab Sample ID: G650-94-2G
Lab Project ID: G650-94
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: EAW
Date Collected: 11/15/2006 12:45
Date Received: 11/16/2006
Date Extracted: 11/20/2006
Date Analyzed: 11/21/2006
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Unknown	12.15			12.7
2					
3					
4					
5					
6					
7					
8					
9					
10					

Comment:

Tentatively Identified Compound (TIC) refers to substances which are not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist.

Quantitation is accomplished by relative peak area of the compound compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is equal to or greater than 10% of that of the nearest internal standard. Quantitation provided is an estimate.

Reviewed by: RML

SGS

Results for Semivolatiles
by GCMS 625

Client Sample ID: UST45/S941-MW12
Client Project ID: NV015
Lab Sample ID: G650-94-3G
Lab Project ID: G650-94

Analyzed By: EAW
Date Collected: 11/15/2006 12:25
Date Received: 11/16/2006
Date Extracted: 11/20/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	10.0	1.22	1	11/22/2006	
Acenaphthylene	BQL	10.0	1.12	1	11/22/2006	
Anthracene	BQL	10.0	1.75	1	11/22/2006	
Benzo[a]anthracene	BQL	10.0	1.36	1	11/22/2006	
Benzo[a]pyrene	BQL	10.0	1.27	1	11/22/2006	
Benzo[b]fluoranthene	BQL	10.0	1.43	1	11/22/2006	
Benzo[g,h,i]perylene	BQL	10.0	4.57	1	11/22/2006	
Benzo[k]fluoranthene	BQL	10.0	1.09	1	11/22/2006	
Bis(2-chloroethoxy)methane	BQL	10.0	1.11	1	11/22/2006	
Bis(2-chloroethyl)ether	BQL	10.0	1.09	1	11/22/2006	
Bis(2-chloroisopropyl)ether	BQL	10.0	1.57	1	11/22/2006	
Bis(2-ethylhexyl)phthalate	BQL	10.0	1.33	1	11/22/2006	
4-bromophenyl phenyl ether	BQL	10.0	1.99	1	11/22/2006	
Butylbenzylphthalate	BQL	10.0	1.53	1	11/22/2006	
2-Chloronaphthalene	BQL	10.0	1.25	1	11/22/2006	
2-Chlorophenol	BQL	10.0	4.22	1	11/22/2006	
4-Chloro-3-methylphenol	BQL	10.0	3.26	1	11/22/2006	
4-Chlorophenyl phenyl ether	BQL	10.0	1.42	1	11/22/2006	
Chrysene	BQL	10.0	1.11	1	11/22/2006	
Dibenzo[a,h]anthracene	BQL	10.0	4.87	1	11/22/2006	
Di-n-Butylphthalate	BQL	10.0	1.65	1	11/22/2006	
1,2-Dichlorobenzene	BQL	10.0	1.25	1	11/22/2006	
1,3-Dichlorobenzene	BQL	10.0	1.24	1	11/22/2006	
1,4-Dichlorobenzene	BQL	10.0	1.20	1	11/22/2006	
3,3'-Dichlorobenzidine	BQL	20.0	4.10	1	11/22/2006	
2,4-Dichlorophenol	BQL	10.0	3.75	1	11/22/2006	
Diethylphthalate	BQL	10.0	1.48	1	11/22/2006	
Dimethylphthalate	BQL	10.0	1.04	1	11/22/2006	
2,4-Dimethylphenol	BQL	10.0	9.25	1	11/22/2006	
Di-n-octylphthalate	BQL	10.0	1.16	1	11/22/2006	
4,6-Dinitro-2-methylphenol	BQL	50.0	3.71	1	11/22/2006	
2,4-Dinitrophenol	BQL	50.0	4.20	1	11/22/2006	
2,4-Dinitrotoluene	BQL	10.0	1.52	1	11/22/2006	
2,6-Dinitrotoluene	BQL	10.0	1.41	1	11/22/2006	
Diphenylamine *	BQL	10.0	1.53	1	11/22/2006	
Fluoranthene	BQL	10.0	1.41	1	11/22/2006	
Fluorene	BQL	10.0	1.22	1	11/22/2006	
Hexachlorobenzene	BQL	10.0	1.22	1	11/22/2006	
Hexachlorobutadiene	BQL	10.0	1.58	1	11/22/2006	
Hexachlorocyclopentadiene	BQL	20.0	20.0	1	11/22/2006	
Hexachloroethane	BQL	10.0	1.58	1	11/22/2006	
Indeno(1,2,3-c,d)pyrene	BQL	10.0	4.57	1	11/22/2006	
Isophorone	BQL	10.0	1.27	1	11/22/2006	
Naphthalene	BQL	10.0	1.08	1	11/22/2006	

SGS

Results for Semivolatiles
by GCMS 625

Client Sample ID: UST45/S941-MW12
Client Project ID: NV015
Lab Sample ID: G650-94-3G
Lab Project ID: G650-94

Analyzed By: EAW
Date Collected: 11/15/2006 12:25
Date Received: 11/16/2006
Date Extracted: 11/20/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Nitrobenzene	BQL	10.0	1.32	1	11/22/2006	
2-Nitrophenol	BQL	10.0	3.52	1	11/22/2006	
4-Nitrophenol	BQL	50.0	3.17	1	11/22/2006	
N-Nitrosodi-n-propylamine	BQL	10.0	1.87	1	11/22/2006	
Pentachlorophenol	BQL	50.0	2.83	1	11/22/2006	
Phenanthrene	BQL	10.0	1.38	1	11/22/2006	
Phenol	BQL	10.0	3.38	1	11/22/2006	
Pyrene	BQL	10.0	2.08	1	11/22/2006	
1,2,4-Trichlorobenzene	BQL	10.0	1.33	1	11/22/2006	
2,4,6-Trichlorophenol	BQL	10.0	2.92	1	11/22/2006	

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.3	93
2-Fluorophenol	10	9.5	94
Nitrobenzene-d5	10	9.1	91
Phenol-d6	10	9.6	96
2,4,6-Tribromophenol	10	9.8	98
4-Terphenyl-d14	10	12.8	128

Comments:
* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:
BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By: RML

SGS

Results of Library Search for Semivolatile Compounds

by GCMS

Client Sample ID: UST45/S941-MW12
Client Project ID: NV015
Lab Sample ID: G650-94-3G
Lab Project ID: G650-94
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: EAW
Date Collected: 11/15/2006 12:25
Date Received: 11/16/2006
Date Extracted: 11/20/2006
Date Analyzed: 11/21/2006
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Unknown	12.16			13.5
2					
3					
4					
5					
6					
7					
8					
9					
10					

Comment:

Tentatively Identified Compound (TIC) refers to substances which are not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist.

Quantitation is accomplished by relative peak area of the compound compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is equal to or greater than 10% of that of the nearest internal standard. Quantitation provided is an estimate.

Reviewed by: RMC

SGS

Results for Semivolatiles
by GCMS 625

Client Sample ID: UST45/S941-MW13
Client Project ID: NV015
Lab Sample ID: G650-94-4I
Lab Project ID: G650-94

Analyzed By: EAW
Date Collected: 11/15/2006 13:25
Date Received: 11/16/2006
Date Extracted: 11/20/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	10.0	1.22	1	11/22/2006	
Acenaphthylene	BQL	10.0	1.12	1	11/22/2006	
Anthracene	BQL	10.0	1.75	1	11/22/2006	
Benzo[a]anthracene	BQL	10.0	1.36	1	11/22/2006	
Benzo[a]pyrene	BQL	10.0	1.27	1	11/22/2006	
Benzo[b]fluoranthene	BQL	10.0	1.43	1	11/22/2006	
Benzo[g,h,i]perylene	BQL	10.0	4.57	1	11/22/2006	
Benzo[k]fluoranthene	BQL	10.0	1.09	1	11/22/2006	
Bis(2-chloroethoxy)methane	BQL	10.0	1.11	1	11/22/2006	
Bis(2-chloroethyl)ether	BQL	10.0	1.09	1	11/22/2006	
Bis(2-chloroisopropyl)ether	BQL	10.0	1.57	1	11/22/2006	
Bis(2-ethylhexyl)phthalate	BQL	10.0	1.33	1	11/22/2006	
4-bromophenyl phenyl ether	BQL	10.0	1.99	1	11/22/2006	
Butylbenzylphthalate	BQL	10.0	1.53	1	11/22/2006	
2-Chloronaphthalene	BQL	10.0	1.25	1	11/22/2006	
2-Chlorophenol	BQL	10.0	4.22	1	11/22/2006	
4-Chloro-3-methylphenol	BQL	10.0	3.26	1	11/22/2006	
4-Chlorophenyl phenyl ether	BQL	10.0	1.42	1	11/22/2006	
Chrysene	BQL	10.0	1.11	1	11/22/2006	
Dibenzo[a,h]anthracene	BQL	10.0	4.87	1	11/22/2006	
Di-n-Butylphthalate	BQL	10.0	1.65	1	11/22/2006	
1,2-Dichlorobenzene	BQL	10.0	1.25	1	11/22/2006	
1,3-Dichlorobenzene	BQL	10.0	1.24	1	11/22/2006	
1,4-Dichlorobenzene	BQL	10.0	1.20	1	11/22/2006	
3,3'-Dichlorobenzidine	BQL	20.0	4.10	1	11/22/2006	
2,4-Dichlorophenol	BQL	10.0	3.75	1	11/22/2006	
Diethylphthalate	BQL	10.0	1.48	1	11/22/2006	
Dimethylphthalate	BQL	10.0	1.04	1	11/22/2006	
2,4-Dimethylphenol	BQL	10.0	9.25	1	11/22/2006	
Di-n-octylphthalate	BQL	10.0	1.16	1	11/22/2006	
4,6-Dinitro-2-methylphenol	BQL	50.0	3.71	1	11/22/2006	
2,4-Dinitrophenol	BQL	50.0	4.20	1	11/22/2006	
2,4-Dinitrotoluene	BQL	10.0	1.52	1	11/22/2006	
2,6-Dinitrotoluene	BQL	10.0	1.41	1	11/22/2006	
Diphenylamine *	BQL	10.0	1.53	1	11/22/2006	
Fluoranthene	BQL	10.0	1.41	1	11/22/2006	
Fluorene	BQL	10.0	1.22	1	11/22/2006	
Hexachlorobenzene	BQL	10.0	1.22	1	11/22/2006	
Hexachlorobutadiene	BQL	10.0	1.58	1	11/22/2006	
Hexachlorocyclopentadiene	BQL	20.0	20.0	1	11/22/2006	
Hexachloroethane	BQL	10.0	1.58	1	11/22/2006	
Indeno(1,2,3-c,d)pyrene	BQL	10.0	4.57	1	11/22/2006	
Isophorone	BQL	10.0	1.27	1	11/22/2006	
Naphthalene	BQL	10.0	1.08	1	11/22/2006	

SGS

Results for Semivolatiles
by GCMS 625

Client Sample ID: UST45/S941-MW13
Client Project ID: NV015
Lab Sample ID: G650-94-4I
Lab Project ID: G650-94

Analyzed By: EAW
Date Collected: 11/15/2006 13:25
Date Received: 11/16/2006
Date Extracted: 11/20/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Nitrobenzene	BQL	10.0	1.32	1	11/22/2006	
2-Nitrophenol	BQL	10.0	3.52	1	11/22/2006	
4-Nitrophenol	BQL	50.0	3.17	1	11/22/2006	
N-Nitrosodi-n-propylamine	BQL	10.0	1.87	1	11/22/2006	
Pentachlorophenol	BQL	50.0	2.83	1	11/22/2006	
Phenanthrene	BQL	10.0	1.38	1	11/22/2006	
Phenol	BQL	10.0	3.38	1	11/22/2006	
Pyrene	BQL	10.0	2.08	1	11/22/2006	
1,2,4-Trichlorobenzene	BQL	10.0	1.33	1	11/22/2006	
2,4,6-Trichlorophenol	BQL	10.0	2.92	1	11/22/2006	

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.5	85
2-Fluorophenol	10	8.1	81
Nitrobenzene-d5	10	8.1	81
Phenol-d6	10	8.5	85
2,4,6-Tribromophenol	10	9.5	95
4-Terphenyl-d14	10	8.7	87

Comments:
* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:
BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By: RM

SGS

Results of Library Search for Semivolatile Compounds

by GCMS

Client Sample ID: UST45/S941-MW13
Client Project ID: NV015
Lab Sample ID: G650-94-4I
Lab Project ID: G650-94
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: EAW
Date Collected: 11/15/2006 13:25
Date Received: 11/16/2006
Date Extracted: 11/20/2006
Date Analyzed: 11/21/2006
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Unknown	12.15			14.1
2					
3					
4					
5					
6					
7					
8					
9					
10					

Comment:

Tentatively Identified Compound (TIC) refers to substances which are not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist.

Quantitation is accomplished by relative peak area of the compound compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is equal to or greater than 10% of that of the nearest internal standard. Quantitation provided is an estimate.

Reviewed by: Rue

SGS

Results for Semivolatiles
by GCMS 625

Client Sample ID: UST45/S941-MW15
Client Project ID: NV015
Lab Sample ID: G650-94-5G
Lab Project ID: G650-94

Analyzed By: EAW
Date Collected: 11/15/2006 10:47
Date Received: 11/16/2006
Date Extracted: 11/20/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	10.0	1.22	1	11/22/2006	
Acenaphthylene	BQL	10.0	1.12	1	11/22/2006	
Anthracene	BQL	10.0	1.75	1	11/22/2006	
Benzo[a]anthracene	BQL	10.0	1.36	1	11/22/2006	
Benzo[a]pyrene	BQL	10.0	1.27	1	11/22/2006	
Benzo[b]fluoranthene	BQL	10.0	1.43	1	11/22/2006	
Benzo[g,h,i]perylene	BQL	10.0	4.57	1	11/22/2006	
Benzo[k]fluoranthene	BQL	10.0	1.09	1	11/22/2006	
Bis(2-chloroethoxy)methane	BQL	10.0	1.11	1	11/22/2006	
Bis(2-chloroethyl)ether	BQL	10.0	1.09	1	11/22/2006	
Bis(2-chloroisopropyl)ether	BQL	10.0	1.57	1	11/22/2006	
Bis(2-ethylhexyl)phthalate	BQL	10.0	1.33	1	11/22/2006	
4-bromophenyl phenyl ether	BQL	10.0	1.99	1	11/22/2006	
Butylbenzylphthalate	BQL	10.0	1.53	1	11/22/2006	
2-Chloronaphthalene	BQL	10.0	1.25	1	11/22/2006	
2-Chlorophenol	BQL	10.0	4.22	1	11/22/2006	
4-Chloro-3-methylphenol	BQL	10.0	3.26	1	11/22/2006	
4-Chlorophenyl phenyl ether	BQL	10.0	1.42	1	11/22/2006	
Chrysene	BQL	10.0	1.11	1	11/22/2006	
Dibenzo[a,h]anthracene	BQL	10.0	4.87	1	11/22/2006	
Di-n-Butylphthalate	BQL	10.0	1.65	1	11/22/2006	
1,2-Dichlorobenzene	BQL	10.0	1.25	1	11/22/2006	
1,3-Dichlorobenzene	BQL	10.0	1.24	1	11/22/2006	
1,4-Dichlorobenzene	BQL	10.0	1.20	1	11/22/2006	
3,3'-Dichlorobenzidine	BQL	20.0	4.10	1	11/22/2006	
2,4-Dichlorophenol	BQL	10.0	3.75	1	11/22/2006	
Diethylphthalate	BQL	10.0	1.48	1	11/22/2006	
Dimethylphthalate	BQL	10.0	1.04	1	11/22/2006	
2,4-Dimethylphenol	BQL	10.0	9.25	1	11/22/2006	
Di-n-octylphthalate	BQL	10.0	1.16	1	11/22/2006	
4,6-Dinitro-2-methylphenol	BQL	50.0	3.71	1	11/22/2006	
2,4-Dinitrophenol	BQL	50.0	4.20	1	11/22/2006	
2,4-Dinitrotoluene	BQL	10.0	1.52	1	11/22/2006	
2,6-Dinitrotoluene	BQL	10.0	1.41	1	11/22/2006	
Diphenylamine *	BQL	10.0	1.53	1	11/22/2006	
Fluoranthene	BQL	10.0	1.41	1	11/22/2006	
Fluorene	BQL	10.0	1.22	1	11/22/2006	
Hexachlorobenzene	BQL	10.0	1.22	1	11/22/2006	
Hexachlorobutadiene	BQL	10.0	1.58	1	11/22/2006	
Hexachlorocyclopentadiene	BQL	20.0	20.0	1	11/22/2006	
Hexachloroethane	BQL	10.0	1.58	1	11/22/2006	
Indeno(1,2,3-c,d)pyrene	BQL	10.0	4.57	1	11/22/2006	
Isophorone	BQL	10.0	1.27	1	11/22/2006	
Naphthalene	BQL	10.0	1.08	1	11/22/2006	

SGS

Results for Semivolatiles
by GCMS 625

Client Sample ID: UST45/S941-MW15
Client Project ID: NV015
Lab Sample ID: G650-94-5G
Lab Project ID: G650-94

Analyzed By: EAW
Date Collected: 11/15/2006 10:47
Date Received: 11/16/2006
Date Extracted: 11/20/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Nitrobenzene	BQL	10.0	1.32	1	11/22/2006	
2-Nitrophenol	BQL	10.0	3.52	1	11/22/2006	
4-Nitrophenol	BQL	50.0	3.17	1	11/22/2006	
N-Nitrosodi-n-propylamine	BQL	10.0	1.87	1	11/22/2006	
Pentachlorophenol	BQL	50.0	2.83	1	11/22/2006	
Phenanthrene	BQL	10.0	1.38	1	11/22/2006	
Phenol	BQL	10.0	3.38	1	11/22/2006	
Pyrene	BQL	10.0	2.08	1	11/22/2006	
1,2,4-Trichlorobenzene	BQL	10.0	1.33	1	11/22/2006	
2,4,6-Trichlorophenol	BQL	10.0	2.92	1	11/22/2006	

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.5	95
2-Fluorophenol	10	9.9	99
Nitrobenzene-d5	10	9.3	93
Phenol-d6	10	10	99
2,4,6-Tribromophenol	10	10	100
4-Terphenyl-d14	10	8.9	89

Comments:
* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:
BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By: _____

SGS

Results of Library Search for Semivolatile Compounds

by GCMS

Client Sample ID: UST45/S941-MW15
Client Project ID: NV015
Lab Sample ID: G650-94-5G
Lab Project ID: G650-94
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: EAW
Date Collected: 11/15/2006 10:47
Date Received: 11/16/2006
Date Extracted: 11/20/2006
Date Analyzed: 11/21/2006
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Unknown	12.15			14.6
2					
3					
4					
5					
6					
7					
8					
9					
10					

Comment:

Tentatively Identified Compound (TIC) refers to substances which are not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist.

Quantitation is accomplished by relative peak area of the compound compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is equal to or greater than 10% of that of the nearest internal standard. Quantitation provided is an estimate.

Reviewed by: AMC

SGS

Results for Semivolatiles
by GCMS 625

Client Sample ID: UST45/S941-MW18
Client Project ID: NV015
Lab Sample ID: G650-94-6H
Lab Project ID: G650-94

Analyzed By: EAW
Date Collected: 11/15/2006 11:38
Date Received: 11/16/2006
Date Extracted: 11/20/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	10.0	1.22	1	11/24/2006	
Acenaphthylene	BQL	10.0	1.12	1	11/24/2006	
Anthracene	BQL	10.0	1.75	1	11/24/2006	
Benzo[a]anthracene	BQL	10.0	1.36	1	11/24/2006	
Benzo[a]pyrene	BQL	10.0	1.27	1	11/24/2006	
Benzo[b]fluoranthene	BQL	10.0	1.43	1	11/24/2006	
Benzo[g,h,i]perylene	BQL	10.0	4.57	1	11/24/2006	
Benzo[k]fluoranthene	BQL	10.0	1.09	1	11/24/2006	
Bis(2-chloroethoxy)methane	BQL	10.0	1.11	1	11/24/2006	
Bis(2-chloroethyl)ether	BQL	10.0	1.09	1	11/24/2006	
Bis(2-chloroisopropyl)ether	BQL	10.0	1.57	1	11/24/2006	
Bis(2-ethylhexyl)phthalate	BQL	10.0	1.33	1	11/24/2006	
4-bromophenyl phenyl ether	BQL	10.0	1.99	1	11/24/2006	
Butylbenzylphthalate	BQL	10.0	1.53	1	11/24/2006	
2-Chloronaphthalene	BQL	10.0	1.25	1	11/24/2006	
2-Chlorophenol	BQL	10.0	4.22	1	11/24/2006	
4-Chloro-3-methylphenol	BQL	10.0	3.26	1	11/24/2006	
4-Chlorophenyl phenyl ether	BQL	10.0	1.42	1	11/24/2006	
Chrysene	BQL	10.0	1.11	1	11/24/2006	
Dibenzo[a,h]anthracene	BQL	10.0	4.87	1	11/24/2006	
Di-n-Butylphthalate	BQL	10.0	1.65	1	11/24/2006	
1,2-Dichlorobenzene	BQL	10.0	1.25	1	11/24/2006	
1,3-Dichlorobenzene	BQL	10.0	1.24	1	11/24/2006	
1,4-Dichlorobenzene	BQL	10.0	1.20	1	11/24/2006	
3,3'-Dichlorobenzidine	BQL	20.0	4.10	1	11/24/2006	
2,4-Dichlorophenol	BQL	10.0	3.75	1	11/24/2006	
Diethylphthalate	BQL	10.0	1.48	1	11/24/2006	
Dimethylphthalate	BQL	10.0	1.04	1	11/24/2006	
2,4-Dimethylphenol	BQL	10.0	9.25	1	11/24/2006	
Di-n-octylphthalate	BQL	10.0	1.16	1	11/24/2006	
4,6-Dinitro-2-methylphenol	BQL	50.0	3.71	1	11/24/2006	
2,4-Dinitrophenol	BQL	50.0	4.20	1	11/24/2006	
2,4-Dinitrotoluene	BQL	10.0	1.52	1	11/24/2006	
2,6-Dinitrotoluene	BQL	10.0	1.41	1	11/24/2006	
Diphenylamine *	BQL	10.0	1.53	1	11/24/2006	
Fluoranthene	BQL	10.0	1.41	1	11/24/2006	
Fluorene	BQL	10.0	1.22	1	11/24/2006	
Hexachlorobenzene	BQL	10.0	1.22	1	11/24/2006	
Hexachlorobutadiene	BQL	10.0	1.58	1	11/24/2006	
Hexachlorocyclopentadiene	BQL	20.0	20.0	1	11/24/2006	
Hexachloroethane	BQL	10.0	1.58	1	11/24/2006	
Indeno(1,2,3-c,d)pyrene	BQL	10.0	4.57	1	11/24/2006	
Isophorone	BQL	10.0	1.27	1	11/24/2006	
Naphthalene	BQL	10.0	1.08	1	11/24/2006	

SGS

Results for Semivolatiles
by GCMS 625

Client Sample ID: UST45/S941-MW18
Client Project ID: NV015
Lab Sample ID: G650-94-6H
Lab Project ID: G650-94

Analyzed By: EAW
Date Collected: 11/15/2006 11:38
Date Received: 11/16/2006
Date Extracted: 11/20/2006
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Nitrobenzene	BQL	10.0	1.32	1	11/24/2006	
2-Nitrophenol	BQL	10.0	3.52	1	11/24/2006	
4-Nitrophenol	BQL	50.0	3.17	1	11/24/2006	
N-Nitrosodi-n-propylamine	BQL	10.0	1.87	1	11/24/2006	
Pentachlorophenol	BQL	50.0	2.83	1	11/24/2006	
Phenanthrene	BQL	10.0	1.38	1	11/24/2006	
Phenol	BQL	10.0	3.38	1	11/24/2006	
Pyrene	BQL	10.0	2.08	1	11/24/2006	
1,2,4-Trichlorobenzene	BQL	10.0	1.33	1	11/24/2006	
2,4,6-Trichlorophenol	BQL	10.0	2.92	1	11/24/2006	

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9	90
2-Fluorophenol	10	7.1	71
Nitrobenzene-d5	10	8.1	81
Phenol-d6	10	8.1	81
2,4,6-Tribromophenol	10	8	80
4-Terphenyl-d14	10	9.8	98

Comments:
* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:
BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By: RM

SGS

Results of Library Search for Semivolatile Compounds

by GCMS

Client Sample ID: UST45/S941-MW18
Client Project ID: NV015
Lab Sample ID: G650-94-6H
Lab Project ID: G650-94
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: EAW
Date Collected: 11/15/2006 11:38
Date Received: 11/16/2006
Date Extracted: 11/20/2006
Date Analyzed: 11/24/2006
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Unknown	11.95			14.2
2					
3					
4					
5					
6					
7					
8					
9					
10					

Comment:

Tentatively Identified Compound (TIC) refers to substances which are not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist.

Quantitation is accomplished by relative peak area of the compound compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is equal to or greater than 10% of that of the nearest internal standard. Quantitation provided is an estimate.

Reviewed by: KWL

SGS

Results for Semivolatiles
by GCMS 625

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: PB6728
Lab Project ID:

Analyzed By: EAW
Date Collected:
Date Received:
Date Extracted: 11/20/2006
Matrix: WATER

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	10.0	1.22	1	11/22/2006	
Acenaphthylene	BQL	10.0	1.12	1	11/22/2006	
Anthracene	BQL	10.0	1.75	1	11/22/2006	
Benzo[a]anthracene	BQL	10.0	1.36	1	11/22/2006	
Benzo[a]pyrene	BQL	10.0	1.27	1	11/22/2006	
Benzo[b]fluoranthene	BQL	10.0	1.43	1	11/22/2006	
Benzo[g,h,i]perylene	BQL	10.0	4.57	1	11/22/2006	
Benzo[k]fluoranthene	BQL	10.0	1.09	1	11/22/2006	
Bis(2-chloroethoxy)methane	BQL	10.0	1.11	1	11/22/2006	
Bis(2-chloroethyl)ether	BQL	10.0	1.09	1	11/22/2006	
Bis(2-chloroisopropyl)ether	BQL	10.0	1.57	1	11/22/2006	
Bis(2-ethylhexyl)phthalate	BQL	10.0	1.33	1	11/22/2006	
4-bromophenyl phenyl ether	BQL	10.0	1.99	1	11/22/2006	
Butylbenzylphthalate	BQL	10.0	1.53	1	11/22/2006	
2-Chloronaphthalene	BQL	10.0	1.25	1	11/22/2006	
2-Chlorophenol	BQL	10.0	4.22	1	11/22/2006	
4-Chloro-3-methylphenol	BQL	10.0	3.26	1	11/22/2006	
4-Chlorophenyl phenyl ether	BQL	10.0	1.42	1	11/22/2006	
Chrysene	BQL	10.0	1.11	1	11/22/2006	
Dibenzo[a,h]anthracene	BQL	10.0	4.87	1	11/22/2006	
Di-n-Butylphthalate	BQL	10.0	1.65	1	11/22/2006	
1,2-Dichlorobenzene	BQL	10.0	1.25	1	11/22/2006	
1,3-Dichlorobenzene	BQL	10.0	1.24	1	11/22/2006	
1,4-Dichlorobenzene	BQL	10.0	1.20	1	11/22/2006	
3,3'-Dichlorobenzidine	BQL	20.0	4.10	1	11/22/2006	
2,4-Dichlorophenol	BQL	10.0	3.75	1	11/22/2006	
Diethylphthalate	BQL	10.0	1.48	1	11/22/2006	
Dimethylphthalate	BQL	10.0	1.04	1	11/22/2006	
2,4-Dimethylphenol	BQL	10.0	9.25	1	11/22/2006	
Di-n-octylphthalate	BQL	10.0	1.16	1	11/22/2006	
4,6-Dinitro-2-methylphenol	BQL	50.0	3.71	1	11/22/2006	
2,4-Dinitrophenol	BQL	50.0	4.20	1	11/22/2006	
2,4-Dinitrotoluene	BQL	10.0	1.52	1	11/22/2006	
2,6-Dinitrotoluene	BQL	10.0	1.41	1	11/22/2006	
Diphenylamine *	BQL	10.0	1.53	1	11/22/2006	
Fluoranthene	BQL	10.0	1.41	1	11/22/2006	
Fluorene	BQL	10.0	1.22	1	11/22/2006	
Hexachlorobenzene	BQL	10.0	1.22	1	11/22/2006	
Hexachlorobutadiene	BQL	10.0	1.58	1	11/22/2006	
Hexachlorocyclopentadiene	BQL	20.0	20.0	1	11/22/2006	
Hexachloroethane	BQL	10.0	1.58	1	11/22/2006	
Indeno(1,2,3-c,d)pyrene	BQL	10.0	4.57	1	11/22/2006	
Isophorone	BQL	10.0	1.27	1	11/22/2006	
Naphthalene	BQL	10.0	1.08	1	11/22/2006	

SGS

Results for Semivolatiles
by GCMS 625

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: PB6728
Lab Project ID:

Analyzed By: EAW
Date Collected:
Date Received:
Date Extracted: 11/20/2006
Matrix: WATER

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Nitrobenzene	BQL	10.0	1.32	1	11/22/2006	
2-Nitrophenol	BQL	10.0	3.52	1	11/22/2006	
4-Nitrophenol	BQL	50.0	3.17	1	11/22/2006	
N-Nitrosodi-n-propylamine	BQL	10.0	1.87	1	11/22/2006	
Pentachlorophenol	BQL	50.0	2.83	1	11/22/2006	
Phenanthrene	BQL	10.0	1.38	1	11/22/2006	
Phenol	BQL	10.0	3.38	1	11/22/2006	
Pyrene	BQL	10.0	2.08	1	11/22/2006	
1,2,4-Trichlorobenzene	BQL	10.0	1.33	1	11/22/2006	
2,4,6-Trichlorophenol	BQL	10.0	2.92	1	11/22/2006	

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.8	88
2-Fluorophenol	10	7.7	77
Nitrobenzene-d5	10	8	80
Phenol-d6	10	8	80
2,4,6-Tribromophenol	10	7.3	73
4-Terphenyl-d14	10	8.9	89

Comments:
* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:
BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By: _____

SGS

Results For Matrix Spike / Matrix Spike Duplicate and Laboratory Control Standard (MS/MSD/LCS)
by GCMS

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: Batch-6728-MS/MSD/LCS
Lab Project ID:
Matrix: WATER
Prep Method: 3520

Date Collected:
Date Received:
Date Extracted: 11/20/06
Date Analyzed: 11/22/06
Analyzed By: MRC
Dilution: 1

	Sample Amount (µg/L)	MS Spike (µg/L)	MS Conc. (µg/L)	MS Spike % Rec.	MSD Spike (µg/L)	MSD Conc. (µg/L)	MSD Conc. % Rec.	RPD	QC Limits RPD	QC Limits % Rec.
Acenaphthylene	BQL	217	189	86.8	217	199	91.5	5.27	30	62.0-119
4-Chloro-3-methylphenol	BQL	217	191	87.8	217	189	87.1	0.800	30	67.0-109
2-Chlorophenol	BQL	217	173	79.5	217	179	82.3	3.46	30	59.0-95.0
1,4-Dichlorobenzene	BQL	217	125	57.7	217	152	69.8	19.0	30	29.0-86.0
2,4-Dinitrotoluene	BQL	217	216	99.3	217	218	101.0	1.20	30	63.0-103
N-Nitrosodi-n-propylamine	BQL	217	206	94.9	217	207	95.2	0.316	30	67.0-107
4-Nitrophenol	BQL	217	245	113	217	225	104.0	8.23	30	49.0-146
Pentachlorophenol	BQL	217	188	86.3	217	201	92.5	6.94	30	43.0-106
Phenol	BQL	217	168	77.1	217	170	78.3	1.54	30	61.0-100
Pyrene	BQL	217	213	97.9	217	224	103.0	5.17	30	41.0-123
1,2,4-Trichlorobenzene	BQL	217	158	72.8	217	180	82.9	13.0	30	41.0-96.0

	Spiked Amount (µg/L)	LCS Conc. (µg/L)	LCS Spike %	QC Limits % Rec.
Acenaphthylene	100	94.1	94.1	72.9-127
4-Chloro-3-methylphenol	100	89.1	89.1	61.6-113
2-Chlorophenol	100	84.2	84.2	52.3-104
1,4-Dichlorobenzene	100	72.3	72.3	27.3-85.0
2,4-Dinitrotoluene	100	104	104	66.5-117
N-Nitrosodi-n-propylamine	100	98.9	98.9	54.4-119
4-Nitrophenol	100	106	106	32.4-150
Pentachlorophenol	100	90.9	90.9	23.9-115
Phenol	100	80.1	80.1	54.5-106
Pyrene	100	116	116	63.5-126
1,2,4-Trichlorobenzene	100	85.2	85.2	49.1-98.5

Comments:

Concentrations reflect the spiked sample amounts.
Sample contained non-target interferences in the x5 or higher range.

Flags:

* = Out of limits.
NA = Not applicable.

Reviewed By: _____

SGS

Results for Metals

Client Sample ID:	UST45/S941-MW01/45	Analyzed By:	PSW
Client Project ID:	NV015	Date Collected:	11/15/2006 11:10
Lab Sample ID:	G650-94-1	Date Received:	11/16/2006
Lab Project ID:	G650-94	Matrix:	WATER
Batch ID:	6718		

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	BQL	5.00	0.470	25	UG/L	6020	11/20/2006	

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL
Samples Prepared by 3030C

Reviewed By: _____
MET_LIMS_4.1.XLS

SGS

Results for Metals

Client Sample ID:	UST45/S941-MW04	Analyzed By:	PSW
Client Project ID:	NV015	Date Collected:	11/15/2006 12:45
Lab Sample ID:	G650-94-2	Date Received:	11/16/2006
Lab Project ID:	G650-94	Matrix:	WATER
Batch ID:	6718		

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	BQL	5.00	0.470	25	UG/L	6020	11/20/2006	

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL
Samples Prepared by 3030C

Reviewed By: _____
MET_LIMS_4.1.XLS

SGS

Results for Metals

Client Sample ID:	UST45/S941-MW12	Analyzed By:	PSW
Client Project ID:	NV015	Date Collected:	11/15/2006 12:25
Lab Sample ID:	G650-94-3	Date Received:	11/16/2006
Lab Project ID:	G650-94	Matrix:	WATER
Batch ID:	6718		

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	BQL	5.00	0.470	25	UG/L	6020	11/20/2006	

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL
Samples Prepared by 3030C

Reviewed By: _____
MET_LIMS_4.1.XLS

SGS

Results for Metals

Client Sample ID:	UST45/S941-MW13	Analyzed By:	PSW
Client Project ID:	NV015	Date Collected:	11/15/2006 13:25
Lab Sample ID:	G650-94-4	Date Received:	11/16/2006
Lab Project ID:	G650-94	Matrix:	WATER
Batch ID:	6718		

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	BQL	5.00	0.470	25	UG/L	6020	11/20/2006	

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL
Samples Prepared by 3030C

Reviewed By: lm
MET_LIMS_4.1.XLS

SGS

Results for Metals

Client Sample ID:	UST45/S941-MW15	Analyzed By:	PSW
Client Project ID:	NV015	Date Collected:	11/15/2006 10:47
Lab Sample ID:	G650-94-5	Date Received:	11/16/2006
Lab Project ID:	G650-94	Matrix:	WATER
Batch ID:	6718		

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	BQL	5.00	0.470	25	UG/L	6020	11/20/2006	

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL
Samples Prepared by 3030C

Reviewed By: _____
MET_LIMS_4.1.XLS

SGS

Results for Metals

Client Sample ID:	UST45/S941-MW18	Analyzed By:	PSW
Client Project ID:	NV015	Date Collected:	11/15/2006 11:38
Lab Sample ID:	G650-94-6	Date Received:	11/16/2006
Lab Project ID:	G650-94	Matrix:	WATER
Batch ID:	6718		

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	**0.825**	5.00	0.470	25	UG/L	6020	11/20/2006	J

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL
Samples Prepared by 3030C

Reviewed By: _____
MET_LIMS_4.1.XLS

SGS

Results for Metals

Client Sample ID:	Lab Blank	Analyzed By:	PSW
Client Project ID:		Date Collected:	
Lab Sample ID:	pb6718	Date Received:	
Lab Project ID:		Matrix:	WATER
Batch ID:	6718		

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	BQL	5.00	0.470	25	UG/L	6020	11/20/2006	

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL
Samples Prepared by 3030C

Reviewed By: _____
MET_LIMS_4.1.XLS

SGS

METALS Results for LCS/LCD

ICP Batch: 6718
HG Batch:
Other:

Matrix: WATER
Units: MG/L

Analyte	TRUE Value	LCS	LCS %REC	LCD	LCD %REC	Limit Lower	Limit Upper	RPD	RPD Limit
Lead	0.400	0.385	96.2	0.385	96.2	80	120	0	20

Reviewed By: AM

SGS

MS/MSD Results for METALS

Lab ID: G650-94-4
MS Lab ID: G650-94-4
MSD Lab ID: G650-94-4
ICP Batch: 6718
HG Batch:
Other:

Analyzed By: PSW
Matrix: Water
Units: MG/L

Analyte	Sample Result	SA MS	MS Result	MS %REC	SA MSD	MSD Result	MSD %REC	Limit Lower	Limit Upper	RPD	RPD Limit
Lead	BQL	0.400	0.382	95.5	0.400	0.387	96.8	75	125	1.30	20

Comments

*=Out of Limits
NA = Not applicable, due to sample concentration greater than three times spike concentration

Reviewed By: RW

SGS

List of Reporting Abbreviations
and Data Qualifiers

B = Compound also detected in batch blank

BQL = Below Quantitation Limit (RL or MDL)

DF = Dilution Factor

Dup = Duplicate

D = Detected, but RPD is > 40% between results in dual column method.

E = Estimated concentration, exceeds calibration range.

J = Estimated concentration, below calibration range and above MDL

LCS(D) = Laboratory Control Spike (Duplicate)

MDL = Method Detection Limit

MS(D) = Matrix Spike (Duplicate)

PQL = Practical Quantitation Limit

RL = Reporting Limit

RPD = Relative Percent Difference

mg/kg = milligram per kilogram, ppm, parts per million

ug/kg = micrograms per kilogram, ppb, parts per billion

mg/L = milligram per liter, ppm, parts per million

ug/L = micrograms per liter, ppb, parts per billion

% Rec = Percent Recovery

% soilds = Percent Solids

Special Notes:

1) Metals and mercury samples are digested with a hot block, see the standard operating procedure document for details.

2) Uncertainty for all reported data is less than or equal to 30 percent.

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066269

(1) CLIENT: Sovereign Consulting Inc

CONTACT: Theresa Ellerman PHONE NO: (910) 526 3941

PROJECT: NV015 SITE/PWSID#: Bldg 45

REPORTS TO: nhall E-MAIL: nhall@sovcon.com

cmurray@sovcon.com FAX NO.: (757) 456-5095

INVOICE TO: Chris Murray QUOTE #
405 Oak Meadows Crescent Suite 1
Virginia Beach VA 234 P.O. NUMBER

SGS Reference: G650-94

PAGE 1 OF 1

(2)

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	No CONTAINERS	SAMPLE TYPE (C=COMP G=GRAB)	Preservatives Used	HCl	HNO3	NaOH	Analysis Required (3) 602	3330c (Pb)	(MS + TIC)	REMARKS
	UST45/5941-MW01/45	11/15/06	1110	W	5						X	X	X	
	UST45/5941-MW04	11/15/06	1245	W	5						X	X	X	
	UST45/5941-MW12	11/15/06	1225	W	5						X	X	X	
	UST45/5941-MW13	11/15/06	1325	W	5						X	X	X	
	UST45/5941-MW15	11/15/06	1047	W	5						X	X	X	
	UST45/5941-MW19	11/15/06	1135	W	5						X	X	X	
	TRIP BLANKS	11/15/06	LAB	W	2						X			

(5)

Collected/Relinquished By: (1)	Date	Time	Received By:
	1445 11/15/06		
Relinquished By: (2)	Date	Time	Received By:
	11/16/06	1045	
Relinquished By: (3)	Date	Time	Received By:
Relinquished By: (4)	Date	Time	Received By:

(4)

Shipping Carrier: FEDEX 8443-4967-5494
Shipping Ticket No:

Samples Received Cold? (Circle) YES NO

Temperature °C: 3.5°C

Special Deliverable Requirements: EDD FORMAT

Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT

Requested Turnaround Time and Special Instructions:
STANDARD TURNAROUND
Email results in "EDD Format" to nhall@sovcon.com / cmurray@sovcon.com

SGS

White - Returned by Lab with Report
Yellow - Retained by Sampler
Pink - Retained by Sampler

SGS

Mr. Chris Murray
Sovereign Consulting
405 Oakmears Crescent
Suite 1
Virginia Beach VA 23462
Report Number: G650-103

Client Project: NV015

Dear Mr. Murray:

Enclosed are the results of the analytical services performed under the referenced project. The samples are certified to meet the requirements of the National Environmental Laboratory Accreditation Conference Standards. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or the services performed during this project, please call SGS/Paradigm at (910) 350-1903. We will be happy to answer any questions or concerns which you may have.

Thank you for using SGS/Paradigm Analytical Labs for your analytical services. We look forward to working with you again on any additional analytical needs which you may have.

Sincerely,
SGS/Paradigm Analytical Laboratories, Inc.

2/6/2007

Laboratory Director — Date
J. Patrick Weaver

SGS

Results for Volatiles
by GCMS 8260B

Client Sample ID: UST45/S941-MW09
Client Project ID: NV015
Lab Sample ID: G650-103-1A
Lab Project ID: G650-103

Analyzed By: MJC
Date Collected: 1/25/2007 12:30
Date Received: 1/29/2007
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	25.0	3.37	1	1/31/2007	
Benzene	**5.08**	1.00	0.162	1	1/31/2007	
Bromobenzene	BQL	1.00	0.224	1	1/31/2007	
Bromochloromethane	BQL	1.00	0.312	1	1/31/2007	
Bromodichloromethane	BQL	1.00	0.185	1	1/31/2007	
Bromoform	BQL	1.00	0.0960	1	1/31/2007	
Bromomethane	BQL	1.00	0.104	1	1/31/2007	
2-Butanone	BQL	25.0	1.09	1	1/31/2007	
n-Butylbenzene	BQL	1.00	0.272	1	1/31/2007	
sec-Butylbenzene	BQL	1.00	0.235	1	1/31/2007	
tert-Butylbenzene	BQL	1.00	0.182	1	1/31/2007	
Carbon disulfide	BQL	1.00	0.206	1	1/31/2007	
Carbon tetrachloride	BQL	1.00	0.181	1	1/31/2007	
Chlorobenzene	BQL	1.00	0.177	1	1/31/2007	
Chloroethane	BQL	1.00	0.416	1	1/31/2007	
Chloroform	BQL	1.00	0.220	1	1/31/2007	
Chloromethane	BQL	1.00	0.282	1	1/31/2007	
2-Chlorotoluene	BQL	1.00	0.205	1	1/31/2007	
4-Chlorotoluene	BQL	1.00	0.206	1	1/31/2007	
Dibromochloromethane	BQL	1.00	0.208	1	1/31/2007	
1,2-Dibromo-3-chloropropane	BQL	5.00	1.95	1	1/31/2007	
Dibromomethane	BQL	1.00	0.275	1	1/31/2007	
1,2-Dibromoethane (EDB)	BQL	1.00	0.264	1	1/31/2007	
1,2-Dichlorobenzene	BQL	1.00	0.190	1	1/31/2007	
1,3-Dichlorobenzene	BQL	1.00	0.234	1	1/31/2007	
1,4-Dichlorobenzene	BQL	1.00	0.182	1	1/31/2007	
trans-1,4-Dichloro-2-butene	BQL	5.00	1.42	1	1/31/2007	
1,1-Dichloroethane	BQL	1.00	0.215	1	1/31/2007	
1,1-Dichloroethene	BQL	1.00	0.164	1	1/31/2007	
1,2-Dichloroethane	BQL	1.00	0.244	1	1/31/2007	
cis-1,2-Dichloroethene	BQL	1.00	0.176	1	1/31/2007	
trans-1,2-dichloroethene	BQL	1.00	0.230	1	1/31/2007	
1,2-Dichloropropane	BQL	1.00	0.166	1	1/31/2007	
1,3-Dichloropropane	BQL	1.00	0.169	1	1/31/2007	
2,2-Dichloropropane	BQL	1.00	0.239	1	1/31/2007	
1,1-Dichloropropene	BQL	1.00	0.176	1	1/31/2007	
cis-1,3-Dichloropropene	BQL	1.00	0.202	1	1/31/2007	
trans-1,3-Dichloropropene	BQL	1.00	0.119	1	1/31/2007	
Dichlorodifluoromethane	BQL	5.00	0.385	1	1/31/2007	
Diisopropyl ether (DIPE)	**0.300**	1.00	0.235	1	1/31/2007	J
Ethylbenzene	**0.410**	1.00	0.206	1	1/31/2007	J
Hexachlorobutadiene	BQL	1.00	0.409	1	1/31/2007	

SGS

Results for Volatiles
by GCMS 8260B

Client Sample ID: UST45/S941-MW09
Client Project ID: NV015
Lab Sample ID: G650-103-1A
Lab Project ID: G650-103

Analyzed By: MJC
Date Collected: 1/25/2007 12:30
Date Received: 1/29/2007
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
2-Hexanone	BQL	5.00	0.874	1	1/31/2007	
Iodomethane	BQL	1.00	0.129	1	1/31/2007	
Isopropylbenzene	BQL	1.00	0.173	1	1/31/2007	
4-Isopropyltoluene	BQL	1.00	0.200	1	1/31/2007	
Methylene chloride	BQL	5.00	0.188	1	1/31/2007	
4-Methyl-2-pentanone	BQL	5.00	0.495	1	1/31/2007	
Methyl-tert-butyl ether (MTBE)	**12.4**	1.00	0.214	1	1/31/2007	
Naphthalene	BQL	1.00	0.280	1	1/31/2007	
n-Propyl benzene	BQL	1.00	0.211	1	1/31/2007	
Styrene	BQL	1.00	0.239	1	1/31/2007	
1,1,1,2-Tetrachloroethane	BQL	1.00	0.288	1	1/31/2007	
1,1,2,2-Tetrachloroethane	BQL	1.00	0.256	1	1/31/2007	
Tetrachloroethene	BQL	1.00	0.304	1	1/31/2007	
Toluene	**1.57**	1.00	0.175	1	1/31/2007	
1,2,3-Trichlorobenzene	BQL	1.00	0.199	1	1/31/2007	
1,2,4-Trichlorobenzene	BQL	1.00	0.244	1	1/31/2007	
Trichloroethene	BQL	1.00	0.209	1	1/31/2007	
1,1,1-Trichloroethane	BQL	1.00	0.197	1	1/31/2007	
1,1,2-Trichloroethane	BQL	1.00	0.267	1	1/31/2007	
Trichlorofluoromethane	BQL	1.00	0.428	1	1/31/2007	
1,2,3-Trichloropropane	BQL	1.00	0.234	1	1/31/2007	
1,2,4-Trimethylbenzene	BQL	1.00	0.200	1	1/31/2007	
1,3,5-Trimethylbenzene	BQL	1.00	0.187	1	1/31/2007	
Vinyl chloride	BQL	1.00	0.400	1	1/31/2007	
m-,p-Xylene	**0.580**	2.00	0.386	1	1/31/2007	J
o-Xylene	**0.200**	1.00	0.167	1	1/31/2007	J

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	10	10	100
1,2-Dichloroethane-d4	10	10.9	109
Toluene-d8	10	9.77	98

Comments:

Flags:
BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By: fwl

SGS

Results for Volatiles
by GCMS 8260B

Client Sample ID: UST45/S941-MW13
Client Project ID: NV015
Lab Sample ID: G650-103-2A
Lab Project ID: G650-103

Analyzed By: MJC
Date Collected: 1/26/2007 10:05
Date Received: 1/29/2007
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	25.0	3.37	1	1/31/2007	
Benzene	BQL	1.00	0.162	1	1/31/2007	
Bromobenzene	BQL	1.00	0.224	1	1/31/2007	
Bromochloromethane	BQL	1.00	0.312	1	1/31/2007	
Bromodichloromethane	BQL	1.00	0.185	1	1/31/2007	
Bromoform	BQL	1.00	0.0960	1	1/31/2007	
Bromomethane	BQL	1.00	0.104	1	1/31/2007	
2-Butanone	BQL	25.0	1.09	1	1/31/2007	
n-Butylbenzene	BQL	1.00	0.272	1	1/31/2007	
sec-Butylbenzene	BQL	1.00	0.235	1	1/31/2007	
tert-Butylbenzene	BQL	1.00	0.182	1	1/31/2007	
Carbon disulfide	BQL	1.00	0.206	1	1/31/2007	
Carbon tetrachloride	BQL	1.00	0.181	1	1/31/2007	
Chlorobenzene	BQL	1.00	0.177	1	1/31/2007	
Chloroethane	BQL	1.00	0.416	1	1/31/2007	
Chloroform	BQL	1.00	0.220	1	1/31/2007	
Chloromethane	BQL	1.00	0.282	1	1/31/2007	
2-Chlorotoluene	BQL	1.00	0.205	1	1/31/2007	
4-Chlorotoluene	BQL	1.00	0.206	1	1/31/2007	
Dibromochloromethane	BQL	1.00	0.208	1	1/31/2007	
1,2-Dibromo-3-chloropropane	BQL	5.00	1.95	1	1/31/2007	
Dibromomethane	BQL	1.00	0.275	1	1/31/2007	
1,2-Dibromoethane (EDB)	BQL	1.00	0.264	1	1/31/2007	
1,2-Dichlorobenzene	BQL	1.00	0.190	1	1/31/2007	
1,3-Dichlorobenzene	BQL	1.00	0.234	1	1/31/2007	
1,4-Dichlorobenzene	BQL	1.00	0.182	1	1/31/2007	
trans-1,4-Dichloro-2-butene	BQL	5.00	1.42	1	1/31/2007	
1,1-Dichloroethane	BQL	1.00	0.215	1	1/31/2007	
1,1-Dichloroethene	BQL	1.00	0.164	1	1/31/2007	
1,2-Dichloroethane	BQL	1.00	0.244	1	1/31/2007	
cis-1,2-Dichloroethene	BQL	1.00	0.176	1	1/31/2007	
trans-1,2-dichloroethene	BQL	1.00	0.230	1	1/31/2007	
1,2-Dichloropropane	BQL	1.00	0.166	1	1/31/2007	
1,3-Dichloropropane	BQL	1.00	0.169	1	1/31/2007	
2,2-Dichloropropane	BQL	1.00	0.239	1	1/31/2007	
1,1-Dichloropropene	BQL	1.00	0.176	1	1/31/2007	
cis-1,3-Dichloropropene	BQL	1.00	0.202	1	1/31/2007	
trans-1,3-Dichloropropene	BQL	1.00	0.119	1	1/31/2007	
Dichlorodifluoromethane	BQL	5.00	0.385	1	1/31/2007	
Diisopropyl ether (DIPE)	BQL	1.00	0.235	1	1/31/2007	
Ethylbenzene	BQL	1.00	0.206	1	1/31/2007	
Hexachlorobutadiene	BQL	1.00	0.409	1	1/31/2007	

SGS

Results for Volatiles
by GCMS 8260B

Client Sample ID: UST45/S941-MW13
Client Project ID: NV015
Lab Sample ID: G650-103-2A
Lab Project ID: G650-103

Analyzed By: MJC
Date Collected: 1/26/2007 10:05
Date Received: 1/29/2007
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
2-Hexanone	BQL	5.00	0.874	1	1/31/2007	
Iodomethane	BQL	1.00	0.129	1	1/31/2007	
Isopropylbenzene	BQL	1.00	0.173	1	1/31/2007	
4-Isopropyltoluene	BQL	1.00	0.200	1	1/31/2007	
Methylene chloride	BQL	5.00	0.188	1	1/31/2007	
4-Methyl-2-pentanone	BQL	5.00	0.495	1	1/31/2007	
Methyl-tert-butyl ether (MTBE)	BQL	1.00	0.214	1	1/31/2007	
Naphthalene	BQL	1.00	0.280	1	1/31/2007	
n-Propyl benzene	BQL	1.00	0.211	1	1/31/2007	
Styrene	BQL	1.00	0.239	1	1/31/2007	
1,1,1,2-Tetrachloroethane	BQL	1.00	0.288	1	1/31/2007	
1,1,2,2-Tetrachloroethane	BQL	1.00	0.256	1	1/31/2007	
Tetrachloroethene	BQL	1.00	0.304	1	1/31/2007	
Toluene	**0.690**	1.00	0.175	1	1/31/2007	J
1,2,3-Trichlorobenzene	BQL	1.00	0.199	1	1/31/2007	
1,2,4-Trichlorobenzene	BQL	1.00	0.244	1	1/31/2007	
Trichloroethene	BQL	1.00	0.209	1	1/31/2007	
1,1,1-Trichloroethane	BQL	1.00	0.197	1	1/31/2007	
1,1,2-Trichloroethane	BQL	1.00	0.267	1	1/31/2007	
Trichlorofluoromethane	BQL	1.00	0.428	1	1/31/2007	
1,2,3-Trichloropropane	BQL	1.00	0.234	1	1/31/2007	
1,2,4-Trimethylbenzene	BQL	1.00	0.200	1	1/31/2007	
1,3,5-Trimethylbenzene	BQL	1.00	0.187	1	1/31/2007	
Vinyl chloride	BQL	1.00	0.400	1	1/31/2007	
m-,p-Xylene	BQL	2.00	0.386	1	1/31/2007	
o-Xylene	BQL	1.00	0.167	1	1/31/2007	

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	10	10.2	102
1,2-Dichloroethane-d4	10	10.4	104
Toluene-d8	10	9.87	99

Comments:

Flags:
BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By: _____

SGS

Results for Volatiles
by GCMS 8260B

Client Sample ID: UST45/S941-MW14
Client Project ID: NV015
Lab Sample ID: G650-103-3A
Lab Project ID: G650-103

Analyzed By: MJC
Date Collected: 1/25/2007 11:52
Date Received: 1/29/2007
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	25.0	3.37	1	1/31/2007	
Benzene	BQL	1.00	0.162	1	1/31/2007	
Bromobenzene	BQL	1.00	0.224	1	1/31/2007	
Bromochloromethane	BQL	1.00	0.312	1	1/31/2007	
Bromodichloromethane	BQL	1.00	0.185	1	1/31/2007	
Bromoform	BQL	1.00	0.0960	1	1/31/2007	
Bromomethane	BQL	1.00	0.104	1	1/31/2007	
2-Butanone	BQL	25.0	1.09	1	1/31/2007	
n-Butylbenzene	BQL	1.00	0.272	1	1/31/2007	
sec-Butylbenzene	BQL	1.00	0.235	1	1/31/2007	
tert-Butylbenzene	BQL	1.00	0.182	1	1/31/2007	
Carbon disulfide	BQL	1.00	0.206	1	1/31/2007	
Carbon tetrachloride	BQL	1.00	0.181	1	1/31/2007	
Chlorobenzene	BQL	1.00	0.177	1	1/31/2007	
Chloroethane	BQL	1.00	0.416	1	1/31/2007	
Chloroform	BQL	1.00	0.220	1	1/31/2007	
Chloromethane	BQL	1.00	0.282	1	1/31/2007	
2-Chlorotoluene	BQL	1.00	0.205	1	1/31/2007	
4-Chlorotoluene	BQL	1.00	0.206	1	1/31/2007	
Dibromochloromethane	BQL	1.00	0.208	1	1/31/2007	
1,2-Dibromo-3-chloropropane	BQL	5.00	1.95	1	1/31/2007	
Dibromomethane	BQL	1.00	0.275	1	1/31/2007	
1,2-Dibromoethane (EDB)	BQL	1.00	0.264	1	1/31/2007	
1,2-Dichlorobenzene	BQL	1.00	0.190	1	1/31/2007	
1,3-Dichlorobenzene	BQL	1.00	0.234	1	1/31/2007	
1,4-Dichlorobenzene	BQL	1.00	0.182	1	1/31/2007	
trans-1,4-Dichloro-2-butene	BQL	5.00	1.42	1	1/31/2007	
1,1-Dichloroethane	BQL	1.00	0.215	1	1/31/2007	
1,1-Dichloroethene	BQL	1.00	0.164	1	1/31/2007	
1,2-Dichloroethane	BQL	1.00	0.244	1	1/31/2007	
cis-1,2-Dichloroethene	BQL	1.00	0.176	1	1/31/2007	
trans-1,2-dichloroethene	BQL	1.00	0.230	1	1/31/2007	
1,2-Dichloropropane	BQL	1.00	0.166	1	1/31/2007	
1,3-Dichloropropane	BQL	1.00	0.169	1	1/31/2007	
2,2-Dichloropropane	BQL	1.00	0.239	1	1/31/2007	
1,1-Dichloropropene	BQL	1.00	0.176	1	1/31/2007	
cis-1,3-Dichloropropene	BQL	1.00	0.202	1	1/31/2007	
trans-1,3-Dichloropropene	BQL	1.00	0.119	1	1/31/2007	
Dichlorodifluoromethane	BQL	5.00	0.385	1	1/31/2007	
Diisopropyl ether (DIPE)	BQL	1.00	0.235	1	1/31/2007	
Ethylbenzene	BQL	1.00	0.206	1	1/31/2007	
Hexachlorobutadiene	BQL	1.00	0.409	1	1/31/2007	

SGS

Results for Volatiles
by GCMS 8260B

Client Sample ID: UST45/S941-MW14
Client Project ID: NV015
Lab Sample ID: G650-103-3A
Lab Project ID: G650-103

Analyzed By: MJC
Date Collected: 1/25/2007 11:52
Date Received: 1/29/2007
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
2-Hexanone	BQL	5.00	0.874	1	1/31/2007	
Iodomethane	BQL	1.00	0.129	1	1/31/2007	
Isopropylbenzene	BQL	1.00	0.173	1	1/31/2007	
4-Isopropyltoluene	BQL	1.00	0.200	1	1/31/2007	
Methylene chloride	BQL	5.00	0.188	1	1/31/2007	
4-Methyl-2-pentanone	BQL	5.00	0.495	1	1/31/2007	
Methyl-tert-butyl ether (MTBE)	BQL	1.00	0.214	1	1/31/2007	
Naphthalene	BQL	1.00	0.280	1	1/31/2007	
n-Propyl benzene	BQL	1.00	0.211	1	1/31/2007	
Styrene	BQL	1.00	0.239	1	1/31/2007	
1,1,1,2-Tetrachloroethane	BQL	1.00	0.288	1	1/31/2007	
1,1,2,2-Tetrachloroethane	BQL	1.00	0.256	1	1/31/2007	
Tetrachloroethene	BQL	1.00	0.304	1	1/31/2007	
Toluene	**0.890**	1.00	0.175	1	1/31/2007	J
1,2,3-Trichlorobenzene	BQL	1.00	0.199	1	1/31/2007	
1,2,4-Trichlorobenzene	BQL	1.00	0.244	1	1/31/2007	
Trichloroethene	BQL	1.00	0.209	1	1/31/2007	
1,1,1-Trichloroethane	BQL	1.00	0.197	1	1/31/2007	
1,1,2-Trichloroethane	BQL	1.00	0.267	1	1/31/2007	
Trichlorofluoromethane	BQL	1.00	0.428	1	1/31/2007	
1,2,3-Trichloropropane	BQL	1.00	0.234	1	1/31/2007	
1,2,4-Trimethylbenzene	BQL	1.00	0.200	1	1/31/2007	
1,3,5-Trimethylbenzene	BQL	1.00	0.187	1	1/31/2007	
Vinyl chloride	BQL	1.00	0.400	1	1/31/2007	
m-,p-Xylene	BQL	2.00	0.386	1	1/31/2007	
o-Xylene	BQL	1.00	0.167	1	1/31/2007	

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	10	10.1	101
1,2-Dichloroethane-d4	10	10.6	106
Toluene-d8	10	9.82	98

Comments:

Flags:
BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By: RMC

SGS

Results for Volatiles
by GCMS 8260B

Client Sample ID: UST45/S941-MW15
Client Project ID: NV015
Lab Sample ID: G650-103-4A
Lab Project ID: G650-103

Analyzed By: MJC
Date Collected: 1/26/2007 11:05
Date Received: 1/29/2007
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	25.0	3.37	1	1/31/2007	
Benzene	BQL	1.00	0.162	1	1/31/2007	
Bromobenzene	BQL	1.00	0.224	1	1/31/2007	
Bromochloromethane	BQL	1.00	0.312	1	1/31/2007	
Bromodichloromethane	BQL	1.00	0.185	1	1/31/2007	
Bromoform	BQL	1.00	0.0960	1	1/31/2007	
Bromomethane	BQL	1.00	0.104	1	1/31/2007	
2-Butanone	BQL	25.0	1.09	1	1/31/2007	
n-Butylbenzene	BQL	1.00	0.272	1	1/31/2007	
sec-Butylbenzene	BQL	1.00	0.235	1	1/31/2007	
tert-Butylbenzene	BQL	1.00	0.182	1	1/31/2007	
Carbon disulfide	BQL	1.00	0.206	1	1/31/2007	
Carbon tetrachloride	BQL	1.00	0.181	1	1/31/2007	
Chlorobenzene	BQL	1.00	0.177	1	1/31/2007	
Chloroethane	BQL	1.00	0.416	1	1/31/2007	
Chloroform	BQL	1.00	0.220	1	1/31/2007	
Chloromethane	BQL	1.00	0.282	1	1/31/2007	
2-Chlorotoluene	BQL	1.00	0.205	1	1/31/2007	
4-Chlorotoluene	BQL	1.00	0.206	1	1/31/2007	
Dibromochloromethane	BQL	1.00	0.208	1	1/31/2007	
1,2-Dibromo-3-chloropropane	BQL	5.00	1.95	1	1/31/2007	
Dibromomethane	BQL	1.00	0.275	1	1/31/2007	
1,2-Dibromoethane (EDB)	BQL	1.00	0.264	1	1/31/2007	
1,2-Dichlorobenzene	BQL	1.00	0.190	1	1/31/2007	
1,3-Dichlorobenzene	BQL	1.00	0.234	1	1/31/2007	
1,4-Dichlorobenzene	BQL	1.00	0.182	1	1/31/2007	
trans-1,4-Dichloro-2-butene	BQL	5.00	1.42	1	1/31/2007	
1,1-Dichloroethane	BQL	1.00	0.215	1	1/31/2007	
1,1-Dichloroethene	BQL	1.00	0.164	1	1/31/2007	
1,2-Dichloroethane	BQL	1.00	0.244	1	1/31/2007	
cis-1,2-Dichloroethene	BQL	1.00	0.176	1	1/31/2007	
trans-1,2-dichloroethene	BQL	1.00	0.230	1	1/31/2007	
1,2-Dichloropropane	BQL	1.00	0.166	1	1/31/2007	
1,3-Dichloropropane	BQL	1.00	0.169	1	1/31/2007	
2,2-Dichloropropane	BQL	1.00	0.239	1	1/31/2007	
1,1-Dichloropropene	BQL	1.00	0.176	1	1/31/2007	
cis-1,3-Dichloropropene	BQL	1.00	0.202	1	1/31/2007	
trans-1,3-Dichloropropene	BQL	1.00	0.119	1	1/31/2007	
Dichlorodifluoromethane	BQL	5.00	0.385	1	1/31/2007	
Diisopropyl ether (DIPE)	BQL	1.00	0.235	1	1/31/2007	
Ethylbenzene	BQL	1.00	0.206	1	1/31/2007	
Hexachlorobutadiene	BQL	1.00	0.409	1	1/31/2007	

SGS

Results for Volatiles by GCMS 8260B

Client Sample ID: UST45/S941-MW15
Client Project ID: NV015
Lab Sample ID: G650-103-4A
Lab Project ID: G650-103

Analyzed By: MJC
Date Collected: 1/26/2007 11:05
Date Received: 1/29/2007
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
2-Hexanone	BQL	5.00	0.874	1	1/31/2007	
Iodomethane	BQL	1.00	0.129	1	1/31/2007	
Isopropylbenzene	BQL	1.00	0.173	1	1/31/2007	
4-Isopropyltoluene	BQL	1.00	0.200	1	1/31/2007	
Methylene chloride	BQL	5.00	0.188	1	1/31/2007	
4-Methyl-2-pentanone	BQL	5.00	0.495	1	1/31/2007	
Methyl-tert-butyl ether (MTBE)	BQL	1.00	0.214	1	1/31/2007	
Naphthalene	BQL	1.00	0.280	1	1/31/2007	
n-Propyl benzene	BQL	1.00	0.211	1	1/31/2007	
Styrene	BQL	1.00	0.239	1	1/31/2007	
1,1,1,2-Tetrachloroethane	BQL	1.00	0.288	1	1/31/2007	
1,1,2,2-Tetrachloroethane	BQL	1.00	0.256	1	1/31/2007	
Tetrachloroethene	BQL	1.00	0.304	1	1/31/2007	
Toluene	1.05	1.00	0.175	1	1/31/2007	
1,2,3-Trichlorobenzene	BQL	1.00	0.199	1	1/31/2007	
1,2,4-Trichlorobenzene	BQL	1.00	0.244	1	1/31/2007	
Trichloroethene	BQL	1.00	0.209	1	1/31/2007	
1,1,1-Trichloroethane	BQL	1.00	0.197	1	1/31/2007	
1,1,2-Trichloroethane	BQL	1.00	0.267	1	1/31/2007	
Trichlorofluoromethane	BQL	1.00	0.428	1	1/31/2007	
1,2,3-Trichloropropane	BQL	1.00	0.234	1	1/31/2007	
1,2,4-Trimethylbenzene	BQL	1.00	0.200	1	1/31/2007	
1,3,5-Trimethylbenzene	BQL	1.00	0.187	1	1/31/2007	
Vinyl chloride	BQL	1.00	0.400	1	1/31/2007	
m-,p-Xylene	BQL	2.00	0.386	1	1/31/2007	
o-Xylene	BQL	1.00	0.167	1	1/31/2007	

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	10	10.3	103
1,2-Dichloroethane-d4	10	10.6	106
Toluene-d8	10	9.93	99

Comments:

Flags:
BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By: fmm

SGS

Results for Volatiles
by GCMS 8260B

Client Sample ID: UST45/S941-MW21
Client Project ID: NV015
Lab Sample ID: G650-103-5A
Lab Project ID: G650-103

Analyzed By: MJC
Date Collected: 1/25/2007 13:20
Date Received: 1/29/2007
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	25.0	3.37	1	1/31/2007	
Benzene	BQL	1.00	0.162	1	1/31/2007	
Bromobenzene	BQL	1.00	0.224	1	1/31/2007	
Bromochloromethane	BQL	1.00	0.312	1	1/31/2007	
Bromodichloromethane	BQL	1.00	0.185	1	1/31/2007	
Bromoform	BQL	1.00	0.0960	1	1/31/2007	
Bromomethane	BQL	1.00	0.104	1	1/31/2007	
2-Butanone	BQL	25.0	1.09	1	1/31/2007	
n-Butylbenzene	BQL	1.00	0.272	1	1/31/2007	
sec-Butylbenzene	BQL	1.00	0.235	1	1/31/2007	
tert-Butylbenzene	BQL	1.00	0.182	1	1/31/2007	
Carbon disulfide	BQL	1.00	0.206	1	1/31/2007	
Carbon tetrachloride	BQL	1.00	0.181	1	1/31/2007	
Chlorobenzene	BQL	1.00	0.177	1	1/31/2007	
Chloroethane	BQL	1.00	0.416	1	1/31/2007	
Chloroform	BQL	1.00	0.220	1	1/31/2007	
Chloromethane	BQL	1.00	0.282	1	1/31/2007	
2-Chlorotoluene	BQL	1.00	0.205	1	1/31/2007	
4-Chlorotoluene	BQL	1.00	0.206	1	1/31/2007	
Dibromochloromethane	BQL	1.00	0.208	1	1/31/2007	
1,2-Dibromo-3-chloropropane	BQL	5.00	1.95	1	1/31/2007	
Dibromomethane	BQL	1.00	0.275	1	1/31/2007	
1,2-Dibromoethane (EDB)	BQL	1.00	0.264	1	1/31/2007	
1,2-Dichlorobenzene	BQL	1.00	0.190	1	1/31/2007	
1,3-Dichlorobenzene	BQL	1.00	0.234	1	1/31/2007	
1,4-Dichlorobenzene	BQL	1.00	0.182	1	1/31/2007	
trans-1,4-Dichloro-2-butene	BQL	5.00	1.42	1	1/31/2007	
1,1-Dichloroethane	BQL	1.00	0.215	1	1/31/2007	
1,1-Dichloroethene	BQL	1.00	0.164	1	1/31/2007	
1,2-Dichloroethane	BQL	1.00	0.244	1	1/31/2007	
cis-1,2-Dichloroethene	BQL	1.00	0.176	1	1/31/2007	
trans-1,2-dichloroethene	BQL	1.00	0.230	1	1/31/2007	
1,2-Dichloropropane	BQL	1.00	0.166	1	1/31/2007	
1,3-Dichloropropane	BQL	1.00	0.169	1	1/31/2007	
2,2-Dichloropropane	BQL	1.00	0.239	1	1/31/2007	
1,1-Dichloropropene	BQL	1.00	0.176	1	1/31/2007	
cis-1,3-Dichloropropene	BQL	1.00	0.202	1	1/31/2007	
trans-1,3-Dichloropropene	BQL	1.00	0.119	1	1/31/2007	
Dichlorodifluoromethane	BQL	5.00	0.385	1	1/31/2007	
Diisopropyl ether (DIPE)	BQL	1.00	0.235	1	1/31/2007	
Ethylbenzene	**0.240**	1.00	0.206	1	1/31/2007	J
Hexachlorobutadiene	BQL	1.00	0.409	1	1/31/2007	

SGS

Results for Volatiles
by GCMS 8260B

Client Sample ID: UST45/S941-MW21
Client Project ID: NV015
Lab Sample ID: G650-103-5A
Lab Project ID: G650-103

Analyzed By: MJC
Date Collected: 1/25/2007 13:20
Date Received: 1/29/2007
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
2-Hexanone	BQL	5.00	0.874	1	1/31/2007	
Iodomethane	BQL	1.00	0.129	1	1/31/2007	
Isopropylbenzene	BQL	1.00	0.173	1	1/31/2007	
4-Isopropyltoluene	BQL	1.00	0.200	1	1/31/2007	
Methylene chloride	BQL	5.00	0.188	1	1/31/2007	
4-Methyl-2-pentanone	BQL	5.00	0.495	1	1/31/2007	
Methyl-tert-butyl ether (MTBE)	**0.440**	1.00	0.214	1	1/31/2007	J
Naphthalene	BQL	1.00	0.280	1	1/31/2007	
n-Propyl benzene	BQL	1.00	0.211	1	1/31/2007	
Styrene	BQL	1.00	0.239	1	1/31/2007	
1,1,1,2-Tetrachloroethane	BQL	1.00	0.288	1	1/31/2007	
1,1,2,2-Tetrachloroethane	BQL	1.00	0.256	1	1/31/2007	
Tetrachloroethene	BQL	1.00	0.304	1	1/31/2007	
Toluene	**1.27**	1.00	0.175	1	1/31/2007	
1,2,3-Trichlorobenzene	BQL	1.00	0.199	1	1/31/2007	
1,2,4-Trichlorobenzene	BQL	1.00	0.244	1	1/31/2007	
Trichloroethene	BQL	1.00	0.209	1	1/31/2007	
1,1,1-Trichloroethane	BQL	1.00	0.197	1	1/31/2007	
1,1,2-Trichloroethane	BQL	1.00	0.267	1	1/31/2007	
Trichlorofluoromethane	BQL	1.00	0.428	1	1/31/2007	
1,2,3-Trichloropropane	BQL	1.00	0.234	1	1/31/2007	
1,2,4-Trimethylbenzene	BQL	1.00	0.200	1	1/31/2007	
1,3,5-Trimethylbenzene	BQL	1.00	0.187	1	1/31/2007	
Vinyl chloride	BQL	1.00	0.400	1	1/31/2007	
m-,p-Xylene	**0.450**	2.00	0.386	1	1/31/2007	J
o-Xylene	BQL	1.00	0.167	1	1/31/2007	

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	10	10.1	101
1,2-Dichloroethane-d4	10	10.4	104
Toluene-d8	10	10.1	101

Comments:

Flags:
BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By: _____

SGS

Results for Volatiles
by GCMS 8260B

Client Sample ID: UST45/S941-MW01/45
Client Project ID: NV015
Lab Sample ID: G650-103-6A
Lab Project ID: G650-103

Analyzed By: MJC
Date Collected: 1/26/2007 12:00
Date Received: 1/29/2007
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	25.0	3.37	1	1/31/2007	
Benzene	BQL	1.00	0.162	1	1/31/2007	
Bromobenzene	BQL	1.00	0.224	1	1/31/2007	
Bromochloromethane	BQL	1.00	0.312	1	1/31/2007	
Bromodichloromethane	BQL	1.00	0.185	1	1/31/2007	
Bromoform	BQL	1.00	0.0960	1	1/31/2007	
Bromomethane	BQL	1.00	0.104	1	1/31/2007	
2-Butanone	BQL	25.0	1.09	1	1/31/2007	
n-Butylbenzene	BQL	1.00	0.272	1	1/31/2007	
sec-Butylbenzene	BQL	1.00	0.235	1	1/31/2007	
tert-Butylbenzene	BQL	1.00	0.182	1	1/31/2007	
Carbon disulfide	BQL	1.00	0.206	1	1/31/2007	
Carbon tetrachloride	BQL	1.00	0.181	1	1/31/2007	
Chlorobenzene	BQL	1.00	0.177	1	1/31/2007	
Chloroethane	BQL	1.00	0.416	1	1/31/2007	
Chloroform	BQL	1.00	0.220	1	1/31/2007	
Chloromethane	BQL	1.00	0.282	1	1/31/2007	
2-Chlorotoluene	BQL	1.00	0.205	1	1/31/2007	
4-Chlorotoluene	BQL	1.00	0.206	1	1/31/2007	
Dibromochloromethane	BQL	1.00	0.208	1	1/31/2007	
1,2-Dibromo-3-chloropropane	BQL	5.00	1.95	1	1/31/2007	
Dibromomethane	BQL	1.00	0.275	1	1/31/2007	
1,2-Dibromoethane (EDB)	BQL	1.00	0.264	1	1/31/2007	
1,2-Dichlorobenzene	BQL	1.00	0.190	1	1/31/2007	
1,3-Dichlorobenzene	BQL	1.00	0.234	1	1/31/2007	
1,4-Dichlorobenzene	BQL	1.00	0.182	1	1/31/2007	
trans-1,4-Dichloro-2-butene	BQL	5.00	1.42	1	1/31/2007	
1,1-Dichloroethane	BQL	1.00	0.215	1	1/31/2007	
1,1-Dichloroethene	BQL	1.00	0.164	1	1/31/2007	
1,2-Dichloroethane	BQL	1.00	0.244	1	1/31/2007	
cis-1,2-Dichloroethene	BQL	1.00	0.176	1	1/31/2007	
trans-1,2-dichloroethene	BQL	1.00	0.230	1	1/31/2007	
1,2-Dichloropropane	BQL	1.00	0.166	1	1/31/2007	
1,3-Dichloropropane	BQL	1.00	0.169	1	1/31/2007	
2,2-Dichloropropane	BQL	1.00	0.239	1	1/31/2007	
1,1-Dichloropropene	BQL	1.00	0.176	1	1/31/2007	
cis-1,3-Dichloropropene	BQL	1.00	0.202	1	1/31/2007	
trans-1,3-Dichloropropene	BQL	1.00	0.119	1	1/31/2007	
Dichlorodifluoromethane	BQL	5.00	0.385	1	1/31/2007	
Diisopropyl ether (DIPE)	BQL	1.00	0.235	1	1/31/2007	
Ethylbenzene	**0.350**	1.00	0.206	1	1/31/2007	J
Hexachlorobutadiene	BQL	1.00	0.409	1	1/31/2007	

SGS

Results for Volatiles
by GCMS 8260B

Client Sample ID: UST45/S941-MW01/45
Client Project ID: NV015
Lab Sample ID: G650-103-6A
Lab Project ID: G650-103

Analyzed By: MJC
Date Collected: 1/26/2007 12:00
Date Received: 1/29/2007
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
2-Hexanone	BQL	5.00	0.874	1	1/31/2007	
Iodomethane	BQL	1.00	0.129	1	1/31/2007	
Isopropylbenzene	BQL	1.00	0.173	1	1/31/2007	
4-Isopropyltoluene	BQL	1.00	0.200	1	1/31/2007	
Methylene chloride	BQL	5.00	0.188	1	1/31/2007	
4-Methyl-2-pentanone	BQL	5.00	0.495	1	1/31/2007	
Methyl-tert-butyl ether (MTBE)	BQL	1.00	0.214	1	1/31/2007	
Naphthalene	BQL	1.00	0.280	1	1/31/2007	
n-Propyl benzene	BQL	1.00	0.211	1	1/31/2007	
Styrene	BQL	1.00	0.239	1	1/31/2007	
1,1,1,2-Tetrachloroethane	BQL	1.00	0.288	1	1/31/2007	
1,1,2,2-Tetrachloroethane	BQL	1.00	0.256	1	1/31/2007	
Tetrachloroethene	BQL	1.00	0.304	1	1/31/2007	
Toluene	**1.24**	1.00	0.175	1	1/31/2007	
1,2,3-Trichlorobenzene	BQL	1.00	0.199	1	1/31/2007	
1,2,4-Trichlorobenzene	BQL	1.00	0.244	1	1/31/2007	
Trichloroethene	BQL	1.00	0.209	1	1/31/2007	
1,1,1-Trichloroethane	BQL	1.00	0.197	1	1/31/2007	
1,1,2-Trichloroethane	BQL	1.00	0.267	1	1/31/2007	
Trichlorofluoromethane	BQL	1.00	0.428	1	1/31/2007	
1,2,3-Trichloropropane	BQL	1.00	0.234	1	1/31/2007	
1,2,4-Trimethylbenzene	**0.330**	1.00	0.200	1	1/31/2007	J
1,3,5-Trimethylbenzene	BQL	1.00	0.187	1	1/31/2007	
Vinyl chloride	BQL	1.00	0.400	1	1/31/2007	
m-,p-Xylene	**0.670**	2.00	0.386	1	1/31/2007	J
o-Xylene	**0.220**	1.00	0.167	1	1/31/2007	J

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	10	10	100
1,2-Dichloroethane-d4	10	10.6	106
Toluene-d8	10	9.77	98

Comments:

Flags:
BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By: _____

SGS

Results for Volatiles
by GCMS 8260B

Client Sample ID: UST45/S941-MW04/45
Client Project ID: NV015
Lab Sample ID: G650-103-7A
Lab Project ID: G650-103

Analyzed By: MJC
Date Collected: 1/25/2007 15:00
Date Received: 1/29/2007
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	25.0	3.37	1	1/31/2007	
Benzene	BQL	1.00	0.162	1	1/31/2007	
Bromobenzene	BQL	1.00	0.224	1	1/31/2007	
Bromochloromethane	BQL	1.00	0.312	1	1/31/2007	
Bromodichloromethane	BQL	1.00	0.185	1	1/31/2007	
Bromoform	BQL	1.00	0.0960	1	1/31/2007	
Bromomethane	BQL	1.00	0.104	1	1/31/2007	
2-Butanone	BQL	25.0	1.09	1	1/31/2007	
n-Butylbenzene	BQL	1.00	0.272	1	1/31/2007	
sec-Butylbenzene	BQL	1.00	0.235	1	1/31/2007	
tert-Butylbenzene	BQL	1.00	0.182	1	1/31/2007	
Carbon disulfide	BQL	1.00	0.206	1	1/31/2007	
Carbon tetrachloride	BQL	1.00	0.181	1	1/31/2007	
Chlorobenzene	BQL	1.00	0.177	1	1/31/2007	
Chloroethane	BQL	1.00	0.416	1	1/31/2007	
Chloroform	BQL	1.00	0.220	1	1/31/2007	
Chloromethane	BQL	1.00	0.282	1	1/31/2007	
2-Chlorotoluene	BQL	1.00	0.205	1	1/31/2007	
4-Chlorotoluene	BQL	1.00	0.206	1	1/31/2007	
Dibromochloromethane	BQL	1.00	0.208	1	1/31/2007	
1,2-Dibromo-3-chloropropane	BQL	5.00	1.95	1	1/31/2007	
Dibromomethane	BQL	1.00	0.275	1	1/31/2007	
1,2-Dibromoethane (EDB)	BQL	1.00	0.264	1	1/31/2007	
1,2-Dichlorobenzene	BQL	1.00	0.190	1	1/31/2007	
1,3-Dichlorobenzene	BQL	1.00	0.234	1	1/31/2007	
1,4-Dichlorobenzene	BQL	1.00	0.182	1	1/31/2007	
trans-1,4-Dichloro-2-butene	BQL	5.00	1.42	1	1/31/2007	
1,1-Dichloroethane	BQL	1.00	0.215	1	1/31/2007	
1,1-Dichloroethene	BQL	1.00	0.164	1	1/31/2007	
1,2-Dichloroethane	BQL	1.00	0.244	1	1/31/2007	
cis-1,2-Dichloroethene	BQL	1.00	0.176	1	1/31/2007	
trans-1,2-dichloroethene	BQL	1.00	0.230	1	1/31/2007	
1,2-Dichloropropane	BQL	1.00	0.166	1	1/31/2007	
1,3-Dichloropropane	BQL	1.00	0.169	1	1/31/2007	
2,2-Dichloropropane	BQL	1.00	0.239	1	1/31/2007	
1,1-Dichloropropene	BQL	1.00	0.176	1	1/31/2007	
cis-1,3-Dichloropropene	BQL	1.00	0.202	1	1/31/2007	
trans-1,3-Dichloropropene	BQL	1.00	0.119	1	1/31/2007	
Dichlorodifluoromethane	BQL	5.00	0.385	1	1/31/2007	
Diisopropyl ether (DIPE)	BQL	1.00	0.235	1	1/31/2007	
Ethylbenzene	**0.370**	1.00	0.206	1	1/31/2007	J
Hexachlorobutadiene	BQL	1.00	0.409	1	1/31/2007	

SGS

Results for Volatiles
by GCMS 8260B

Client Sample ID: UST45/S941-MW04/45
Client Project ID: NV015
Lab Sample ID: G650-103-7A
Lab Project ID: G650-103

Analyzed By: MJC
Date Collected: 1/25/2007 15:00
Date Received: 1/29/2007
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
2-Hexanone	BQL	5.00	0.874	1	1/31/2007	
Iodomethane	BQL	1.00	0.129	1	1/31/2007	
Isopropylbenzene	BQL	1.00	0.173	1	1/31/2007	
4-Isopropyltoluene	BQL	1.00	0.200	1	1/31/2007	
Methylene chloride	BQL	5.00	0.188	1	1/31/2007	
4-Methyl-2-pentanone	BQL	5.00	0.495	1	1/31/2007	
Methyl-tert-butyl ether (MTBE)	BQL	1.00	0.214	1	1/31/2007	
Naphthalene	BQL	1.00	0.280	1	1/31/2007	
n-Propyl benzene	BQL	1.00	0.211	1	1/31/2007	
Styrene	BQL	1.00	0.239	1	1/31/2007	
1,1,1,2-Tetrachloroethane	BQL	1.00	0.288	1	1/31/2007	
1,1,2,2-Tetrachloroethane	BQL	1.00	0.256	1	1/31/2007	
Tetrachloroethene	BQL	1.00	0.304	1	1/31/2007	
Toluene	**1.22**	1.00	0.175	1	1/31/2007	
1,2,3-Trichlorobenzene	BQL	1.00	0.199	1	1/31/2007	
1,2,4-Trichlorobenzene	BQL	1.00	0.244	1	1/31/2007	
Trichloroethene	BQL	1.00	0.209	1	1/31/2007	
1,1,1-Trichloroethane	BQL	1.00	0.197	1	1/31/2007	
1,1,2-Trichloroethane	BQL	1.00	0.267	1	1/31/2007	
Trichlorofluoromethane	BQL	1.00	0.428	1	1/31/2007	
1,2,3-Trichloropropane	BQL	1.00	0.234	1	1/31/2007	
1,2,4-Trimethylbenzene	**0.490**	1.00	0.200	1	1/31/2007	J
1,3,5-Trimethylbenzene	BQL	1.00	0.187	1	1/31/2007	
Vinyl chloride	BQL	1.00	0.400	1	1/31/2007	
m-,p-Xylene	**0.700**	2.00	0.386	1	1/31/2007	J
o-Xylene	**0.260**	1.00	0.167	1	1/31/2007	J

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	10	10.2	102
1,2-Dichloroethane-d4	10	10.5	105
Toluene-d8	10	9.83	98

Comments:

Flags:
BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By: fmc

SGS

Results for Volatiles
by GCMS 8260B

Client Sample ID: UST45/S941-Duplicate
Client Project ID: NV015
Lab Sample ID: G650-103-8A
Lab Project ID: G650-103

Analyzed By: MJC
Date Collected: 1/25/2007 0:00
Date Received: 1/29/2007
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	25.0	3.37	1	1/31/2007	
Benzene	**4.99**	1.00	0.162	1	1/31/2007	
Bromobenzene	BQL	1.00	0.224	1	1/31/2007	
Bromochloromethane	BQL	1.00	0.312	1	1/31/2007	
Bromodichloromethane	BQL	1.00	0.185	1	1/31/2007	
Bromoform	BQL	1.00	0.0960	1	1/31/2007	
Bromomethane	BQL	1.00	0.104	1	1/31/2007	
2-Butanone	BQL	25.0	1.09	1	1/31/2007	
n-Butylbenzene	BQL	1.00	0.272	1	1/31/2007	
sec-Butylbenzene	BQL	1.00	0.235	1	1/31/2007	
tert-Butylbenzene	BQL	1.00	0.182	1	1/31/2007	
Carbon disulfide	BQL	1.00	0.206	1	1/31/2007	
Carbon tetrachloride	BQL	1.00	0.181	1	1/31/2007	
Chlorobenzene	BQL	1.00	0.177	1	1/31/2007	
Chloroethane	BQL	1.00	0.416	1	1/31/2007	
Chloroform	BQL	1.00	0.220	1	1/31/2007	
Chloromethane	BQL	1.00	0.282	1	1/31/2007	
2-Chlorotoluene	BQL	1.00	0.205	1	1/31/2007	
4-Chlorotoluene	BQL	1.00	0.206	1	1/31/2007	
Dibromochloromethane	BQL	1.00	0.208	1	1/31/2007	
1,2-Dibromo-3-chloropropane	BQL	5.00	1.95	1	1/31/2007	
Dibromomethane	BQL	1.00	0.275	1	1/31/2007	
1,2-Dibromoethane (EDB)	BQL	1.00	0.264	1	1/31/2007	
1,2-Dichlorobenzene	BQL	1.00	0.190	1	1/31/2007	
1,3-Dichlorobenzene	BQL	1.00	0.234	1	1/31/2007	
1,4-Dichlorobenzene	BQL	1.00	0.182	1	1/31/2007	
trans-1,4-Dichloro-2-butene	BQL	5.00	1.42	1	1/31/2007	
1,1-Dichloroethane	BQL	1.00	0.215	1	1/31/2007	
1,1-Dichloroethene	BQL	1.00	0.164	1	1/31/2007	
1,2-Dichloroethane	BQL	1.00	0.244	1	1/31/2007	
cis-1,2-Dichloroethene	BQL	1.00	0.176	1	1/31/2007	
trans-1,2-dichloroethene	BQL	1.00	0.230	1	1/31/2007	
1,2-Dichloropropane	BQL	1.00	0.166	1	1/31/2007	
1,3-Dichloropropane	BQL	1.00	0.169	1	1/31/2007	
2,2-Dichloropropane	BQL	1.00	0.239	1	1/31/2007	
1,1-Dichloropropene	BQL	1.00	0.176	1	1/31/2007	
cis-1,3-Dichloropropene	BQL	1.00	0.202	1	1/31/2007	
trans-1,3-Dichloropropene	BQL	1.00	0.119	1	1/31/2007	
Dichlorodifluoromethane	BQL	5.00	0.385	1	1/31/2007	
Diisopropyl ether (DIPE)	**0.320**	1.00	0.235	1	1/31/2007	J
Ethylbenzene	**0.450**	1.00	0.206	1	1/31/2007	J
Hexachlorobutadiene	BQL	1.00	0.409	1	1/31/2007	

SGS

Results for Volatiles
by GCMS 8260B

Client Sample ID: UST45/S941-Duplicate
Client Project ID: NV015
Lab Sample ID: G650-103-8A
Lab Project ID: G650-103

Analyzed By: MJC
Date Collected: 1/25/2007 0:00
Date Received: 1/29/2007
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
2-Hexanone	BQL	5.00	0.874	1	1/31/2007	
Iodomethane	BQL	1.00	0.129	1	1/31/2007	
Isopropylbenzene	BQL	1.00	0.173	1	1/31/2007	
4-Isopropyltoluene	BQL	1.00	0.200	1	1/31/2007	
Methylene chloride	BQL	5.00	0.188	1	1/31/2007	
4-Methyl-2-pentanone	BQL	5.00	0.495	1	1/31/2007	
Methyl-tert-butyl ether (MTBE)	**13.2**	1.00	0.214	1	1/31/2007	
Naphthalene	BQL	1.00	0.280	1	1/31/2007	
n-Propyl benzene	BQL	1.00	0.211	1	1/31/2007	
Styrene	BQL	1.00	0.239	1	1/31/2007	
1,1,1,2-Tetrachloroethane	BQL	1.00	0.288	1	1/31/2007	
1,1,2,2-Tetrachloroethane	BQL	1.00	0.256	1	1/31/2007	
Tetrachloroethene	BQL	1.00	0.304	1	1/31/2007	
Toluene	**1.79**	1.00	0.175	1	1/31/2007	
1,2,3-Trichlorobenzene	BQL	1.00	0.199	1	1/31/2007	
1,2,4-Trichlorobenzene	BQL	1.00	0.244	1	1/31/2007	
Trichloroethene	BQL	1.00	0.209	1	1/31/2007	
1,1,1-Trichloroethane	BQL	1.00	0.197	1	1/31/2007	
1,1,2-Trichloroethane	BQL	1.00	0.267	1	1/31/2007	
Trichlorofluoromethane	BQL	1.00	0.428	1	1/31/2007	
1,2,3-Trichloropropane	BQL	1.00	0.234	1	1/31/2007	
1,2,4-Trimethylbenzene	**0.210**	1.00	0.200	1	1/31/2007	J
1,3,5-Trimethylbenzene	BQL	1.00	0.187	1	1/31/2007	
Vinyl chloride	BQL	1.00	0.400	1	1/31/2007	
m-,p-Xylene	**0.640**	2.00	0.386	1	1/31/2007	J
o-Xylene	**0.230**	1.00	0.167	1	1/31/2007	J

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	10	10.1	101
1,2-Dichloroethane-d4	10	10.6	106
Toluene-d8	10	9.55	96

Comments:

Flags:
BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By: _____

SGS

Results for Volatiles
by GCMS 8260B

Client Sample ID: Trip Blanks
Client Project ID: NV015
Lab Sample ID: G650-103-9B
Lab Project ID: G650-103

Analyzed By: MJC
Date Collected: 1/26/2007 0:00
Date Received: 1/29/2007
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	25.0	3.37	1	2/1/2007	
Benzene	BQL	1.00	0.162	1	2/1/2007	
Bromobenzene	BQL	1.00	0.224	1	2/1/2007	
Bromochloromethane	BQL	1.00	0.312	1	2/1/2007	
Bromodichloromethane	BQL	1.00	0.185	1	2/1/2007	
Bromoform	BQL	1.00	0.0960	1	2/1/2007	
Bromomethane	BQL	1.00	0.104	1	2/1/2007	
2-Butanone	BQL	25.0	1.09	1	2/1/2007	
n-Butylbenzene	BQL	1.00	0.272	1	2/1/2007	
sec-Butylbenzene	BQL	1.00	0.235	1	2/1/2007	
tert-Butylbenzene	BQL	1.00	0.182	1	2/1/2007	
Carbon disulfide	BQL	1.00	0.206	1	2/1/2007	
Carbon tetrachloride	BQL	1.00	0.181	1	2/1/2007	
Chlorobenzene	BQL	1.00	0.177	1	2/1/2007	
Chloroethane	BQL	1.00	0.416	1	2/1/2007	
Chloroform	BQL	1.00	0.220	1	2/1/2007	
Chloromethane	BQL	1.00	0.282	1	2/1/2007	
2-Chlorotoluene	BQL	1.00	0.205	1	2/1/2007	
4-Chlorotoluene	BQL	1.00	0.206	1	2/1/2007	
Dibromochloromethane	BQL	1.00	0.208	1	2/1/2007	
1,2-Dibromo-3-chloropropane	BQL	5.00	1.95	1	2/1/2007	
Dibromomethane	BQL	1.00	0.275	1	2/1/2007	
1,2-Dibromoethane (EDB)	BQL	1.00	0.264	1	2/1/2007	
1,2-Dichlorobenzene	BQL	1.00	0.190	1	2/1/2007	
1,3-Dichlorobenzene	BQL	1.00	0.234	1	2/1/2007	
1,4-Dichlorobenzene	BQL	1.00	0.182	1	2/1/2007	
trans-1,4-Dichloro-2-butene	BQL	5.00	1.42	1	2/1/2007	
1,1-Dichloroethane	BQL	1.00	0.215	1	2/1/2007	
1,1-Dichloroethene	BQL	1.00	0.164	1	2/1/2007	
1,2-Dichloroethane	BQL	1.00	0.244	1	2/1/2007	
cis-1,2-Dichloroethene	BQL	1.00	0.176	1	2/1/2007	
trans-1,2-dichloroethene	BQL	1.00	0.230	1	2/1/2007	
1,2-Dichloropropane	BQL	1.00	0.166	1	2/1/2007	
1,3-Dichloropropane	BQL	1.00	0.169	1	2/1/2007	
2,2-Dichloropropane	BQL	1.00	0.239	1	2/1/2007	
1,1-Dichloropropene	BQL	1.00	0.176	1	2/1/2007	
cis-1,3-Dichloropropene	BQL	1.00	0.202	1	2/1/2007	
trans-1,3-Dichloropropene	BQL	1.00	0.119	1	2/1/2007	
Dichlorodifluoromethane	BQL	5.00	0.385	1	2/1/2007	
Diisopropyl ether (DIPE)	BQL	1.00	0.235	1	2/1/2007	
Ethylbenzene	BQL	1.00	0.206	1	2/1/2007	
Hexachlorobutadiene	BQL	1.00	0.409	1	2/1/2007	

SGS

Results for Volatiles
by GCMS 8260B

Client Sample ID: Trip Blanks
Client Project ID: NV015
Lab Sample ID: G650-103-9B
Lab Project ID: G650-103

Analyzed By: MJC
Date Collected: 1/26/2007 0:00
Date Received: 1/29/2007
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
2-Hexanone	BQL	5.00	0.874	1	2/1/2007	
Iodomethane	BQL	1.00	0.129	1	2/1/2007	
Isopropylbenzene	BQL	1.00	0.173	1	2/1/2007	
4-Isopropyltoluene	BQL	1.00	0.200	1	2/1/2007	
Methylene chloride	BQL	5.00	0.188	1	2/1/2007	
4-Methyl-2-pentanone	BQL	5.00	0.495	1	2/1/2007	
Methyl-tert-butyl ether (MTBE)	BQL	1.00	0.214	1	2/1/2007	
Naphthalene	BQL	1.00	0.280	1	2/1/2007	
n-Propyl benzene	BQL	1.00	0.211	1	2/1/2007	
Styrene	BQL	1.00	0.239	1	2/1/2007	
1,1,1,2-Tetrachloroethane	BQL	1.00	0.288	1	2/1/2007	
1,1,2,2-Tetrachloroethane	BQL	1.00	0.256	1	2/1/2007	
Tetrachloroethene	BQL	1.00	0.304	1	2/1/2007	
Toluene	BQL	1.00	0.175	1	2/1/2007	
1,2,3-Trichlorobenzene	BQL	1.00	0.199	1	2/1/2007	
1,2,4-Trichlorobenzene	BQL	1.00	0.244	1	2/1/2007	
Trichloroethene	BQL	1.00	0.209	1	2/1/2007	
1,1,1-Trichloroethane	BQL	1.00	0.197	1	2/1/2007	
1,1,2-Trichloroethane	BQL	1.00	0.267	1	2/1/2007	
Trichlorofluoromethane	BQL	1.00	0.428	1	2/1/2007	
1,2,3-Trichloropropane	BQL	1.00	0.234	1	2/1/2007	
1,2,4-Trimethylbenzene	BQL	1.00	0.200	1	2/1/2007	
1,3,5-Trimethylbenzene	BQL	1.00	0.187	1	2/1/2007	
Vinyl chloride	BQL	1.00	0.400	1	2/1/2007	
m-,p-Xylene	BQL	2.00	0.386	1	2/1/2007	
o-Xylene	BQL	1.00	0.167	1	2/1/2007	

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	10	9.9	99
1,2-Dichloroethane-d4	10	11	110
Toluene-d8	10	9.81	98

Comments:

Flags:
BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By: _____

SGS

Results for Volatiles
by GCMS 8260B

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: VBLK4020107B
Lab Project ID:

Analyzed By: MJC
Date Collected:
Date Received:
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	25.0	3.37	1	2/1/2007	
Benzene	BQL	1.00	0.162	1	2/1/2007	
Bromobenzene	BQL	1.00	0.224	1	2/1/2007	
Bromochloromethane	BQL	1.00	0.312	1	2/1/2007	
Bromodichloromethane	BQL	1.00	0.185	1	2/1/2007	
Bromoform	BQL	1.00	0.0960	1	2/1/2007	
Bromomethane	BQL	1.00	0.104	1	2/1/2007	
2-Butanone	BQL	25.0	1.09	1	2/1/2007	
n-Butylbenzene	BQL	1.00	0.272	1	2/1/2007	
sec-Butylbenzene	BQL	1.00	0.235	1	2/1/2007	
tert-Butylbenzene	BQL	1.00	0.182	1	2/1/2007	
Carbon disulfide	BQL	1.00	0.206	1	2/1/2007	
Carbon tetrachloride	BQL	1.00	0.181	1	2/1/2007	
Chlorobenzene	BQL	1.00	0.177	1	2/1/2007	
Chloroethane	BQL	1.00	0.416	1	2/1/2007	
Chloroform	BQL	1.00	0.220	1	2/1/2007	
Chloromethane	BQL	1.00	0.282	1	2/1/2007	
2-Chlorotoluene	BQL	1.00	0.205	1	2/1/2007	
4-Chlorotoluene	BQL	1.00	0.206	1	2/1/2007	
Dibromochloromethane	BQL	1.00	0.208	1	2/1/2007	
1,2-Dibromo-3-chloropropane	BQL	5.00	1.95	1	2/1/2007	
Dibromomethane	BQL	1.00	0.275	1	2/1/2007	
1,2-Dibromoethane (EDB)	BQL	1.00	0.264	1	2/1/2007	
1,2-Dichlorobenzene	BQL	1.00	0.190	1	2/1/2007	
1,3-Dichlorobenzene	BQL	1.00	0.234	1	2/1/2007	
1,4-Dichlorobenzene	BQL	1.00	0.182	1	2/1/2007	
trans-1,4-Dichloro-2-butene	BQL	5.00	1.42	1	2/1/2007	
1,1-Dichloroethane	BQL	1.00	0.215	1	2/1/2007	
1,1-Dichloroethene	BQL	1.00	0.164	1	2/1/2007	
1,2-Dichloroethane	BQL	1.00	0.244	1	2/1/2007	
cis-1,2-Dichloroethene	BQL	1.00	0.176	1	2/1/2007	
trans-1,2-dichloroethene	BQL	1.00	0.230	1	2/1/2007	
1,2-Dichloropropane	BQL	1.00	0.166	1	2/1/2007	
1,3-Dichloropropane	BQL	1.00	0.169	1	2/1/2007	
2,2-Dichloropropane	BQL	1.00	0.239	1	2/1/2007	
1,1-Dichloropropene	BQL	1.00	0.176	1	2/1/2007	
cis-1,3-Dichloropropene	BQL	1.00	0.202	1	2/1/2007	
trans-1,3-Dichloropropene	BQL	1.00	0.119	1	2/1/2007	
Dichlorodifluoromethane	BQL	5.00	0.385	1	2/1/2007	
Diisopropyl ether (DIPE)	BQL	1.00	0.235	1	2/1/2007	
Ethylbenzene	BQL	1.00	0.206	1	2/1/2007	
Hexachlorobutadiene	BQL	1.00	0.409	1	2/1/2007	

SGS

Results for Volatiles
by GCMS 8260B

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: VBLK4020107B
Lab Project ID:

Analyzed By: MJC
Date Collected:
Date Received:
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
2-Hexanone	BQL	5.00	0.874	1	2/1/2007	
Iodomethane	BQL	1.00	0.129	1	2/1/2007	
Isopropylbenzene	BQL	1.00	0.173	1	2/1/2007	
4-Isopropyltoluene	BQL	1.00	0.200	1	2/1/2007	
Methylene chloride	BQL	5.00	0.188	1	2/1/2007	
4-Methyl-2-pentanone	BQL	5.00	0.495	1	2/1/2007	
Methyl-tert-butyl ether (MTBE)	BQL	1.00	0.214	1	2/1/2007	
Naphthalene	BQL	1.00	0.280	1	2/1/2007	
n-Propyl benzene	BQL	1.00	0.211	1	2/1/2007	
Styrene	BQL	1.00	0.239	1	2/1/2007	
1,1,1,2-Tetrachloroethane	BQL	1.00	0.288	1	2/1/2007	
1,1,2,2-Tetrachloroethane	BQL	1.00	0.256	1	2/1/2007	
Tetrachloroethene	BQL	1.00	0.304	1	2/1/2007	
Toluene	BQL	1.00	0.175	1	2/1/2007	
1,2,3-Trichlorobenzene	**0.310**	1.00	0.199	1	2/1/2007	J
1,2,4-Trichlorobenzene	BQL	1.00	0.244	1	2/1/2007	
Trichloroethene	BQL	1.00	0.209	1	2/1/2007	
1,1,1-Trichloroethane	BQL	1.00	0.197	1	2/1/2007	
1,1,2-Trichloroethane	BQL	1.00	0.267	1	2/1/2007	
Trichlorofluoromethane	BQL	1.00	0.428	1	2/1/2007	
1,2,3-Trichloropropane	BQL	1.00	0.234	1	2/1/2007	
1,2,4-Trimethylbenzene	BQL	1.00	0.200	1	2/1/2007	
1,3,5-Trimethylbenzene	BQL	1.00	0.187	1	2/1/2007	
Vinyl chloride	BQL	1.00	0.400	1	2/1/2007	
m-,p-Xylene	BQL	2.00	0.386	1	2/1/2007	
o-Xylene	BQL	1.00	0.167	1	2/1/2007	

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	10	10.4	104
1,2-Dichloroethane-d4	10	11.1	111
Toluene-d8	10	9.89	99

Comments:

Flags:
BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By: RML

SGS Environmental Services

LABORATORY CONTROL SAMPLE VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: SGS Environmental

Lab Code: NC00919 Case No.: SAS No.: SDG No:

Matrix: (soil/water) Water Lab Sample ID: LCS4020107a

Sample wt/vol: 5.00 (mL) Lab File ID: 0201405.D

Level: (low/med) NA

% Moisture: not dec. NA Date Analyzed: 2007-02-01 10:51

GC Column: DB-624 ID: 0.2 (mm) Dilution Factor: 1

Soil Extract Volume: NA Soil Aliquot Volume: NA

CAS NO.	COMPOUND	SPIKE AMT (µg/L)	SAMP CONC (µg/L)	% REC #	QC LIMITS
71-43-2	benzene	5.00	5.38	108	77.4-123
108-90-7	chlorobenzene	5.00	5.25	105	72.5-128
75-35-4	1,1-dichloroethene	5.00	4.42	88.4	71.7-128
108-88-3	toluene	5.00	5.46	109	75.9-124
79-01-6	trichloroethene	5.00	5.69	114	77.9-122

System Monitoring Compound Results		Spike Added (µg/L)	Spike Result (µg/L)	Percent Rec. (%)	Percent Recovery (%)
460-00-4	4-Bromofluorobenzene	10	10.0	103	88.6 - 113
17060-07-0	1,2-Dichloroethane-d4	10	11.0	109	84.6 - 114
2037-26-5	Toluene-d8	10	10.0	102	87.4 - 109

SGS

LABORATORY CONTROL SAMPLE/LABORATORY CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: SGS Environmental Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

LCS: LCS4020107A Filename: 0201405.D Date Analyzed: 02/01/07 10:51 Dilution: 1

LCSD: LCS4020107B Filename: 0201406.D Date Analyzed: 02/01/07 11:22 Matrix: Water

COMPOUND	LCS SPIKE (µg/kg)	LCS CONC (µg/kg)	LCS % REC #	LCSD SPIKE (µg/kg)	LCSD CONC (µg/kg)	LCSD % REC #	% RPD	QC LIMITS RPD	QC LIMITS REC
benzene	5.00	5.38	108	5.00	4.57	91.4	16.3	30	77.4-123
chlorobenzene	5.00	5.25	105	5.00	4.45	89.0	16.5	30	72.5-128
1,1-dichloroethene	5.00	4.42	88.4	5.00	3.59	71.8	20.7	30	71.7-128
toluene	5.00	5.46	109	5.00	4.66	93.2	15.8	30	75.9-124
trichloroethene	5.00	5.69	114	5.00	4.76	95.2	17.8	30	77.9-122

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

SGS

Results for Volatiles
by GCMS 8260B

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: VBLK4013107B
Lab Project ID:

Analyzed By: MJC
Date Collected:
Date Received:
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	25.0	3.37	1	1/31/2007	
Benzene	BQL	1.00	0.162	1	1/31/2007	
Bromobenzene	BQL	1.00	0.224	1	1/31/2007	
Bromochloromethane	BQL	1.00	0.312	1	1/31/2007	
Bromodichloromethane	BQL	1.00	0.185	1	1/31/2007	
Bromoform	BQL	1.00	0.0960	1	1/31/2007	
Bromomethane	BQL	1.00	0.104	1	1/31/2007	
2-Butanone	BQL	25.0	1.09	1	1/31/2007	
n-Butylbenzene	BQL	1.00	0.272	1	1/31/2007	
sec-Butylbenzene	BQL	1.00	0.235	1	1/31/2007	
tert-Butylbenzene	BQL	1.00	0.182	1	1/31/2007	
Carbon disulfide	BQL	1.00	0.206	1	1/31/2007	
Carbon tetrachloride	BQL	1.00	0.181	1	1/31/2007	
Chlorobenzene	BQL	1.00	0.177	1	1/31/2007	
Chloroethane	BQL	1.00	0.416	1	1/31/2007	
Chloroform	BQL	1.00	0.220	1	1/31/2007	
Chloromethane	BQL	1.00	0.282	1	1/31/2007	
2-Chlorotoluene	BQL	1.00	0.205	1	1/31/2007	
4-Chlorotoluene	BQL	1.00	0.206	1	1/31/2007	
Dibromochloromethane	BQL	1.00	0.208	1	1/31/2007	
1,2-Dibromo-3-chloropropane	BQL	5.00	1.95	1	1/31/2007	
Dibromomethane	BQL	1.00	0.275	1	1/31/2007	
1,2-Dibromoethane (EDB)	BQL	1.00	0.264	1	1/31/2007	
1,2-Dichlorobenzene	BQL	1.00	0.190	1	1/31/2007	
1,3-Dichlorobenzene	BQL	1.00	0.234	1	1/31/2007	
1,4-Dichlorobenzene	BQL	1.00	0.182	1	1/31/2007	
trans-1,4-Dichloro-2-butene	BQL	5.00	1.42	1	1/31/2007	
1,1-Dichloroethane	BQL	1.00	0.215	1	1/31/2007	
1,1-Dichloroethene	BQL	1.00	0.164	1	1/31/2007	
1,2-Dichloroethane	BQL	1.00	0.244	1	1/31/2007	
cis-1,2-Dichloroethene	BQL	1.00	0.176	1	1/31/2007	
trans-1,2-dichloroethene	BQL	1.00	0.230	1	1/31/2007	
1,2-Dichloropropane	BQL	1.00	0.166	1	1/31/2007	
1,3-Dichloropropane	BQL	1.00	0.169	1	1/31/2007	
2,2-Dichloropropane	BQL	1.00	0.239	1	1/31/2007	
1,1-Dichloropropene	BQL	1.00	0.176	1	1/31/2007	
cis-1,3-Dichloropropene	BQL	1.00	0.202	1	1/31/2007	
trans-1,3-Dichloropropene	BQL	1.00	0.119	1	1/31/2007	
Dichlorodifluoromethane	BQL	5.00	0.385	1	1/31/2007	
Diisopropyl ether (DIPE)	BQL	1.00	0.235	1	1/31/2007	
Ethylbenzene	BQL	1.00	0.206	1	1/31/2007	
Hexachlorobutadiene	BQL	1.00	0.409	1	1/31/2007	

SGS

Results for Volatiles
by GCMS 8260B

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: VBLK4013107B
Lab Project ID:

Analyzed By: MJC
Date Collected:
Date Received:
Matrix: Water

Compound	Result UG/L	Quantitation Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
2-Hexanone	BQL	5.00	0.874	1	1/31/2007	
Iodomethane	BQL	1.00	0.129	1	1/31/2007	
Isopropylbenzene	BQL	1.00	0.173	1	1/31/2007	
4-Isopropyltoluene	BQL	1.00	0.200	1	1/31/2007	
Methylene chloride	BQL	5.00	0.188	1	1/31/2007	
4-Methyl-2-pentanone	BQL	5.00	0.495	1	1/31/2007	
Methyl-tert-butyl ether (MTBE)	BQL	1.00	0.214	1	1/31/2007	
Naphthalene	BQL	1.00	0.280	1	1/31/2007	
n-Propyl benzene	BQL	1.00	0.211	1	1/31/2007	
Styrene	BQL	1.00	0.239	1	1/31/2007	
1,1,1,2-Tetrachloroethane	BQL	1.00	0.288	1	1/31/2007	
1,1,2,2-Tetrachloroethane	BQL	1.00	0.256	1	1/31/2007	
Tetrachloroethene	BQL	1.00	0.304	1	1/31/2007	
Toluene	BQL	1.00	0.175	1	1/31/2007	
1,2,3-Trichlorobenzene	**0.830**	1.00	0.199	1	1/31/2007	J
1,2,4-Trichlorobenzene	BQL	1.00	0.244	1	1/31/2007	
Trichloroethene	BQL	1.00	0.209	1	1/31/2007	
1,1,1-Trichloroethane	BQL	1.00	0.197	1	1/31/2007	
1,1,2-Trichloroethane	BQL	1.00	0.267	1	1/31/2007	
Trichlorofluoromethane	BQL	1.00	0.428	1	1/31/2007	
1,2,3-Trichloropropane	BQL	1.00	0.234	1	1/31/2007	
1,2,4-Trimethylbenzene	BQL	1.00	0.200	1	1/31/2007	
1,3,5-Trimethylbenzene	BQL	1.00	0.187	1	1/31/2007	
Vinyl chloride	BQL	1.00	0.400	1	1/31/2007	
m-,p-Xylene	BQL	2.00	0.386	1	1/31/2007	
o-Xylene	BQL	1.00	0.167	1	1/31/2007	

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	10	10	100
1,2-Dichloroethane-d4	10	10.5	105
Toluene-d8	10	9.93	99

Comments:

Flags:
BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By: fwl

SGS Environmental Services

LABORATORY CONTROL SAMPLE VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: SGS Environmental

Lab Code: NC00919 Case No.: SAS No.: SDG No:

Matrix: (soil/water) Water Lab Sample ID: LCS4013107a

Sample wt/vol: 5.00 (mL) Lab File ID: 0131407.D

Level: (low/med) NA

% Moisture: not dec. NA Date Analyzed: 2007-01-31 11:37

GC Column: DB-624 ID: 0.2 (mm) Dilution Factor: 1

Soil Extract Volume: NA Soil Aliquot Volume: NA

CAS NO.	COMPOUND	SPIKE AMT (µg/L)	SAMP CONC (µg/L)	% REC #	QC LIMITS
71-43-2	benzene	5.00	4.94	98.8	77.4-123
108-90-7	chlorobenzene	5.00	5.04	101	72.5-128
75-35-4	1,1-dichloroethene	5.00	4.00	80.0	71.7-128
108-88-3	toluene	5.00	5.11	102	75.9-124
79-01-6	trichloroethene	5.00	5.14	103	77.9-122

System Monitoring Compound Results		Spike Added (µg/L)	Spike Result (µg/L)	Percent Rec. (%)	Percent Recovery (%)
460-00-4	4-Bromofluorobenzene	10	10.0	101	88.6 - 113
17060-07-0	1,2-Dichloroethane-d4	10	10.0	105	84.6 - 114
2037-26-5	Toluene-d8	10	10.0	101	87.4 - 109

SGS Environmental Services

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: SGS Environmental Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

Matrix Spike - EPA Sample No.: g239-631-2a Dilution: 10

Filenames: 0131421.D, 0131423.D, 0131424.D

COMPOUND	SAMPLE CONC (µg/L)	MS SPIKE (µg/L)	MS CONC (µg/L)	MS % REC #	MSD SPIKE (µg/L)	MSD CONC (µg/L)	MSD % REC #	% RPD	QC LIMITS RPD	QC LIMITS REC
benzene	BQL	50.0	48.1	96.2	50.0	48.2	96.4	0.208	30	61.6-135
chlorobenzene	BQL	50.0	47.5	95.0	50.0	48.0	96.0	1.05	30	77.2-118
1,1-dichloroethene	BQL	50.0	39.1	78.2	50.0	43.5	87.0	10.6	30	64.4-130
toluene	BQL	50.0	50.0	100	50.0	48.5	97.0	3.04	30	66.4-128
trichloroethene	BQL	50.0	50.5	101	50.0	51.2	102	1.38	30	84.9-136

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

SGS

Results for Semivolatiles
by GCMS 8270

Client Sample ID: UST45/S941-MW09
Client Project ID: NV015
Lab Sample ID: G650-103-1E
Lab Project ID: G650-103

Analyzed By: EAW
Date Collected: 1/25/2007 12:30
Date Received: 1/29/2007
Date Extracted: 1/30/2007
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	10.0	1.22	1	1/31/2007	
Acenaphthylene	BQL	10.0	1.12	1	1/31/2007	
Anthracene	BQL	10.0	1.75	1	1/31/2007	
Benzo[a]anthracene	BQL	10.0	1.36	1	1/31/2007	
Benzo[a]pyrene	BQL	10.0	1.27	1	1/31/2007	
Benzo[b]fluoranthene	BQL	10.0	1.43	1	1/31/2007	
Benzo[g,h,i]perylene	BQL	10.0	4.57	1	1/31/2007	
Benzo[k]fluoranthene	BQL	10.0	1.09	1	1/31/2007	
Benzoic Acid	BQL	20.0	5.44	1	1/31/2007	
Bis(2-chloroethoxy)methane	BQL	10.0	1.11	1	1/31/2007	
Bis(2-chloroethyl)ether	BQL	10.0	1.09	1	1/31/2007	
Bis(2-chloroisopropyl)ether	BQL	10.0	1.57	1	1/31/2007	
Bis(2-ethylhexyl)phthalate	BQL	10.0	1.33	1	1/31/2007	
4-bromophenyl phenyl ether	BQL	10.0	1.99	1	1/31/2007	
Butylbenzylphthalate	BQL	10.0	1.53	1	1/31/2007	
2-Chloronaphthalene	BQL	10.0	1.25	1	1/31/2007	
2-Chlorophenol	BQL	10.0	4.22	1	1/31/2007	
4-Chloro-3-methylphenol	BQL	10.0	3.26	1	1/31/2007	
4-Chloroaniline	BQL	50.0	17.8	1	1/31/2007	
4-Chlorophenyl phenyl ether	BQL	10.0	1.42	1	1/31/2007	
Chrysene	BQL	10.0	1.11	1	1/31/2007	
Dibenzo[a,h]anthracene	BQL	10.0	4.87	1	1/31/2007	
Dibenzofuran	BQL	10.0	1.12	1	1/31/2007	
Di-n-Butylphthalate	BQL	10.0	1.65	1	1/31/2007	
1,2-Dichlorobenzene	BQL	10.0	1.25	1	1/31/2007	
1,3-Dichlorobenzene	BQL	10.0	1.24	1	1/31/2007	
1,4-Dichlorobenzene	BQL	10.0	1.20	1	1/31/2007	
3,3'-Dichlorobenzidine	BQL	20.0	4.10	1	1/31/2007	
2,4-Dichlorophenol	BQL	10.0	3.75	1	1/31/2007	
Diethylphthalate	BQL	10.0	1.48	1	1/31/2007	
Dimethylphthalate	BQL	10.0	1.04	1	1/31/2007	
2,4-Dimethylphenol	BQL	10.0	9.25	1	1/31/2007	
Di-n-octylphthalate	BQL	10.0	1.16	1	1/31/2007	
4,6-Dinitro-2-methylphenol	BQL	50.0	3.71	1	1/31/2007	
2,4-Dinitrophenol	BQL	50.0	4.20	1	1/31/2007	
2,4-Dinitrotoluene	BQL	10.0	1.52	1	1/31/2007	
2,6-Dinitrotoluene	BQL	10.0	1.41	1	1/31/2007	
Diphenylamine *	BQL	10.0	1.53	1	1/31/2007	
Fluoranthene	BQL	10.0	1.41	1	1/31/2007	
Fluorene	BQL	10.0	1.22	1	1/31/2007	
Hexachlorobenzene	BQL	10.0	1.22	1	1/31/2007	
Hexachlorobutadiene	BQL	10.0	1.58	1	1/31/2007	
Hexachlorocyclopentadiene	BQL	20.0	20.0	1	1/31/2007	
Hexachloroethane	BQL	10.0	1.58	1	1/31/2007	
Indeno(1,2,3-c,d)pyrene	BQL	10.0	4.57	1	1/31/2007	

SGS

Results for Semivolatiles
by GCMS 8270

Client Sample ID: UST45/S941-MW09
Client Project ID: NV015
Lab Sample ID: G650-103-1E
Lab Project ID: G650-103

Analyzed By: EAW
Date Collected: 1/25/2007 12:30
Date Received: 1/29/2007
Date Extracted: 1/30/2007
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Isophorone	BQL	10.0	1.27	1	1/31/2007	
2-Methylnaphthalene	BQL	10.0	1.36	1	1/31/2007	
2-Methylphenol	BQL	10.0	4.01	1	1/31/2007	
3- & 4-Methylphenol	BQL	10.0	2.94	1	1/31/2007	
Naphthalene	BQL	10.0	1.08	1	1/31/2007	
2-Nitroaniline	BQL	10.0	1.48	1	1/31/2007	
3-Nitroaniline	BQL	50.0	5.39	1	1/31/2007	
4-Nitroaniline	BQL	50.0	2.57	1	1/31/2007	
Nitrobenzene	BQL	10.0	1.32	1	1/31/2007	
2-Nitrophenol	BQL	10.0	3.52	1	1/31/2007	
4-Nitrophenol	BQL	50.0	3.17	1	1/31/2007	
N-Nitrosodi-n-propylamine	BQL	10.0	1.87	1	1/31/2007	
Pentachlorophenol	BQL	50.0	2.83	1	1/31/2007	
Phenanthrene	BQL	10.0	1.38	1	1/31/2007	
Phenol	BQL	10.0	3.38	1	1/31/2007	
Pyrene	BQL	10.0	2.08	1	1/31/2007	
1,2,4-Trichlorobenzene	BQL	10.0	1.33	1	1/31/2007	
2,4,5-Trichlorophenol	BQL	10.0	2.63	1	1/31/2007	
2,4,6-Trichlorophenol	BQL	10.0	2.92	1	1/31/2007	

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.7	87
2-Fluorophenol	10	8.5	85
Nitrobenzene-d5	10	9.3	93
Phenol-d6	10	8.3	83
2,4,6-Tribromophenol	10	10	100
4-Terphenyl-d14	10	10.8	108

Comments:
* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:
BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By: [signature]

SGS

Results of Library Search for Semivolatile Compounds

by GCMS

Client Sample ID: UST45/S941-MW09
Client Project ID: NV015
Lab Sample ID: G650-103-1E
Lab Project ID: G650-103
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: EAW
Date Collected: 1/25/2007 12:30
Date Received: 1/29/2007
Date Extracted: 1/30/2007
Date Analyzed: 1/31/2006
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Unknown	10.93			224
2	Maneb	15.03	012427-38-2	91	13.2
3	Squalane	12.40	000111-01-3	90	7.25
4					
5					
6					
7					
8					
9					
10					

Comment:

Tentatively Identified Compound (TIC) refers to substances which are not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist.

Quantitation is accomplished by relative peak area of the compound compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is equal to or greater than 10% of that of the nearest internal standard. Quantitation provided is an estimate.

Reviewed by: AML

SGS

Results for Semivolatiles
by GCMS 8270

Client Sample ID: UST45/S941-MW13
Client Project ID: NV015
Lab Sample ID: G650-103-2G
Lab Project ID: G650-103

Analyzed By: EAW
Date Collected: 1/26/2007 10:05
Date Received: 1/29/2007
Date Extracted: 1/30/2007
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	10.0	1.22	1	1/31/2007	
Acenaphthylene	BQL	10.0	1.12	1	1/31/2007	
Anthracene	BQL	10.0	1.75	1	1/31/2007	
Benzo[a]anthracene	BQL	10.0	1.36	1	1/31/2007	
Benzo[a]pyrene	BQL	10.0	1.27	1	1/31/2007	
Benzo[b]fluoranthene	BQL	10.0	1.43	1	1/31/2007	
Benzo[g,h,i]perylene	BQL	10.0	4.57	1	1/31/2007	
Benzo[k]fluoranthene	BQL	10.0	1.09	1	1/31/2007	
Benzoic Acid	BQL	20.0	5.44	1	1/31/2007	
Bis(2-chloroethoxy)methane	BQL	10.0	1.11	1	1/31/2007	
Bis(2-chloroethyl)ether	BQL	10.0	1.09	1	1/31/2007	
Bis(2-chloroisopropyl)ether	BQL	10.0	1.57	1	1/31/2007	
Bis(2-ethylhexyl)phthalate	BQL	10.0	1.33	1	1/31/2007	
4-bromophenyl phenyl ether	BQL	10.0	1.99	1	1/31/2007	
Butylbenzylphthalate	BQL	10.0	1.53	1	1/31/2007	
2-Chloronaphthalene	BQL	10.0	1.25	1	1/31/2007	
2-Chlorophenol	BQL	10.0	4.22	1	1/31/2007	
4-Chloro-3-methylphenol	BQL	10.0	3.26	1	1/31/2007	
4-Chloroaniline	BQL	50.0	17.8	1	1/31/2007	
4-Chlorophenyl phenyl ether	BQL	10.0	1.42	1	1/31/2007	
Chrysene	BQL	10.0	1.11	1	1/31/2007	
Dibenzo[a,h]anthracene	BQL	10.0	4.87	1	1/31/2007	
Dibenzofuran	BQL	10.0	1.12	1	1/31/2007	
Di-n-Butylphthalate	BQL	10.0	1.65	1	1/31/2007	
1,2-Dichlorobenzene	BQL	10.0	1.25	1	1/31/2007	
1,3-Dichlorobenzene	BQL	10.0	1.24	1	1/31/2007	
1,4-Dichlorobenzene	BQL	10.0	1.20	1	1/31/2007	
3,3'-Dichlorobenzidine	BQL	20.0	4.10	1	1/31/2007	
2,4-Dichlorophenol	BQL	10.0	3.75	1	1/31/2007	
Diethylphthalate	BQL	10.0	1.48	1	1/31/2007	
Dimethylphthalate	BQL	10.0	1.04	1	1/31/2007	
2,4-Dimethylphenol	BQL	10.0	9.25	1	1/31/2007	
Di-n-octylphthalate	BQL	10.0	1.16	1	1/31/2007	
4,6-Dinitro-2-methylphenol	BQL	50.0	3.71	1	1/31/2007	
2,4-Dinitrophenol	BQL	50.0	4.20	1	1/31/2007	
2,4-Dinitrotoluene	BQL	10.0	1.52	1	1/31/2007	
2,6-Dinitrotoluene	BQL	10.0	1.41	1	1/31/2007	
Diphenylamine *	BQL	10.0	1.53	1	1/31/2007	
Fluoranthene	BQL	10.0	1.41	1	1/31/2007	
Fluorene	BQL	10.0	1.22	1	1/31/2007	
Hexachlorobenzene	BQL	10.0	1.22	1	1/31/2007	
Hexachlorobutadiene	BQL	10.0	1.58	1	1/31/2007	
Hexachlorocyclopentadiene	BQL	20.0	20.0	1	1/31/2007	
Hexachloroethane	BQL	10.0	1.58	1	1/31/2007	
Indeno(1,2,3-c,d)pyrene	BQL	10.0	4.57	1	1/31/2007	

SGS

Results for Semivolatiles
by GCMS 8270

Client Sample ID: UST45/S941-MW13
Client Project ID: NV015
Lab Sample ID: G650-103-2G
Lab Project ID: G650-103

Analyzed By: EAW
Date Collected: 1/26/2007 10:05
Date Received: 1/29/2007
Date Extracted: 1/30/2007
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Isophorone	BQL	10.0	1.27	1	1/31/2007	
2-Methylnaphthalene	BQL	10.0	1.36	1	1/31/2007	
2-Methylphenol	BQL	10.0	4.01	1	1/31/2007	
3- & 4-Methylphenol	BQL	10.0	2.94	1	1/31/2007	
Naphthalene	BQL	10.0	1.08	1	1/31/2007	
2-Nitroaniline	BQL	10.0	1.48	1	1/31/2007	
3-Nitroaniline	BQL	50.0	5.39	1	1/31/2007	
4-Nitroaniline	BQL	50.0	2.57	1	1/31/2007	
Nitrobenzene	BQL	10.0	1.32	1	1/31/2007	
2-Nitrophenol	BQL	10.0	3.52	1	1/31/2007	
4-Nitrophenol	BQL	50.0	3.17	1	1/31/2007	
N-Nitrosodi-n-propylamine	BQL	10.0	1.87	1	1/31/2007	
Pentachlorophenol	BQL	50.0	2.83	1	1/31/2007	
Phenanthrene	BQL	10.0	1.38	1	1/31/2007	
Phenol	BQL	10.0	3.38	1	1/31/2007	
Pyrene	BQL	10.0	2.08	1	1/31/2007	
1,2,4-Trichlorobenzene	BQL	10.0	1.33	1	1/31/2007	
2,4,5-Trichlorophenol	BQL	10.0	2.63	1	1/31/2007	
2,4,6-Trichlorophenol	BQL	10.0	2.92	1	1/31/2007	

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	6.9	69
2-Fluorophenol	10	5.7	57
Nitrobenzene-d5	10	6.9	69
Phenol-d6	10	5.9	59
2,4,6-Tribromophenol	10	8.3	83
4-Terphenyl-d14	10	10.4	104

Comments:
* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:
BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By: _____

SGS

Results of Library Search for Semivolatile Compounds

by GCMS

Client Sample ID: UST45/S941-MW13
Client Project ID: NV015
Lab Sample ID: G650-103-2G
Lab Project ID: G650-103
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: EAW
Date Collected: 1/26/2007 10:05
Date Received: 1/29/2007
Date Extracted: 1/30/2007
Date Analyzed: 1/31/2005
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Unknown	10.92			216
2	Unknown	5.28			4.66
3					
4					
5					
6					
7					
8					
9					
10					

Comment:

Tentatively Identified Compound (TIC) refers to substances which are not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist.

Quantitation is accomplished by relative peak area of the compound compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is equal to or greater than 10% of that of the nearest internal standard. Quantitation provided is an estimate.

Reviewed by: _____

SGS

Results for Semivolatiles
by GCMS 8270

Client Sample ID: UST45/S941-MW14
Client Project ID: NV015
Lab Sample ID: G650-103-3E
Lab Project ID: G650-103

Analyzed By: EAW
Date Collected: 1/25/2007 11:52
Date Received: 1/29/2007
Date Extracted: 1/30/2007
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	10.0	1.22	1	1/31/2007	
Acenaphthylene	BQL	10.0	1.12	1	1/31/2007	
Anthracene	BQL	10.0	1.75	1	1/31/2007	
Benzo[a]anthracene	BQL	10.0	1.36	1	1/31/2007	
Benzo[a]pyrene	BQL	10.0	1.27	1	1/31/2007	
Benzo[b]fluoranthene	BQL	10.0	1.43	1	1/31/2007	
Benzo[g,h,i]perylene	BQL	10.0	4.57	1	1/31/2007	
Benzo[k]fluoranthene	BQL	10.0	1.09	1	1/31/2007	
Benzoic Acid	BQL	20.0	5.44	1	1/31/2007	
Bis(2-chloroethoxy)methane	BQL	10.0	1.11	1	1/31/2007	
Bis(2-chloroethyl)ether	BQL	10.0	1.09	1	1/31/2007	
Bis(2-chloroisopropyl)ether	BQL	10.0	1.57	1	1/31/2007	
Bis(2-ethylhexyl)phthalate	BQL	10.0	1.33	1	1/31/2007	
4-bromophenyl phenyl ether	BQL	10.0	1.99	1	1/31/2007	
Butylbenzylphthalate	BQL	10.0	1.53	1	1/31/2007	
2-Chloronaphthalene	BQL	10.0	1.25	1	1/31/2007	
2-Chlorophenol	BQL	10.0	4.22	1	1/31/2007	
4-Chloro-3-methylphenol	BQL	10.0	3.26	1	1/31/2007	
4-Chloroaniline	BQL	50.0	17.8	1	1/31/2007	
4-Chlorophenyl phenyl ether	BQL	10.0	1.42	1	1/31/2007	
Chrysene	BQL	10.0	1.11	1	1/31/2007	
Dibenzo[a,h]anthracene	BQL	10.0	4.87	1	1/31/2007	
Dibenzofuran	BQL	10.0	1.12	1	1/31/2007	
Di-n-Butylphthalate	BQL	10.0	1.65	1	1/31/2007	
1,2-Dichlorobenzene	BQL	10.0	1.25	1	1/31/2007	
1,3-Dichlorobenzene	BQL	10.0	1.24	1	1/31/2007	
1,4-Dichlorobenzene	BQL	10.0	1.20	1	1/31/2007	
3,3'-Dichlorobenzidine	BQL	20.0	4.10	1	1/31/2007	
2,4-Dichlorophenol	BQL	10.0	3.75	1	1/31/2007	
Diethylphthalate	BQL	10.0	1.48	1	1/31/2007	
Dimethylphthalate	BQL	10.0	1.04	1	1/31/2007	
2,4-Dimethylphenol	BQL	10.0	9.25	1	1/31/2007	
Di-n-octylphthalate	BQL	10.0	1.16	1	1/31/2007	
4,6-Dinitro-2-methylphenol	BQL	50.0	3.71	1	1/31/2007	
2,4-Dinitrophenol	BQL	50.0	4.20	1	1/31/2007	
2,4-Dinitrotoluene	BQL	10.0	1.52	1	1/31/2007	
2,6-Dinitrotoluene	BQL	10.0	1.41	1	1/31/2007	
Diphenylamine *	BQL	10.0	1.53	1	1/31/2007	
Fluoranthene	BQL	10.0	1.41	1	1/31/2007	
Fluorene	BQL	10.0	1.22	1	1/31/2007	
Hexachlorobenzene	BQL	10.0	1.22	1	1/31/2007	
Hexachlorobutadiene	BQL	10.0	1.58	1	1/31/2007	
Hexachlorocyclopentadiene	BQL	20.0	20.0	1	1/31/2007	
Hexachloroethane	BQL	10.0	1.58	1	1/31/2007	
Indeno(1,2,3-c,d)pyrene	BQL	10.0	4.57	1	1/31/2007	

SGS

Results for Semivolatiles
by GCMS 8270

Client Sample ID: UST45/S941-MW14
Client Project ID: NV015
Lab Sample ID: G650-103-3E
Lab Project ID: G650-103

Analyzed By: EAW
Date Collected: 1/25/2007 11:52
Date Received: 1/29/2007
Date Extracted: 1/30/2007
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Isophorone	BQL	10.0	1.27	1	1/31/2007	
2-Methylnaphthalene	BQL	10.0	1.36	1	1/31/2007	
2-Methylphenol	BQL	10.0	4.01	1	1/31/2007	
3- & 4-Methylphenol	BQL	10.0	2.94	1	1/31/2007	
Naphthalene	BQL	10.0	1.08	1	1/31/2007	
2-Nitroaniline	BQL	10.0	1.48	1	1/31/2007	
3-Nitroaniline	BQL	50.0	5.39	1	1/31/2007	
4-Nitroaniline	BQL	50.0	2.57	1	1/31/2007	
Nitrobenzene	BQL	10.0	1.32	1	1/31/2007	
2-Nitrophenol	BQL	10.0	3.52	1	1/31/2007	
4-Nitrophenol	BQL	50.0	3.17	1	1/31/2007	
N-Nitrosodi-n-propylamine	BQL	10.0	1.87	1	1/31/2007	
Pentachlorophenol	BQL	50.0	2.83	1	1/31/2007	
Phenanthrene	BQL	10.0	1.38	1	1/31/2007	
Phenol	BQL	10.0	3.38	1	1/31/2007	
Pyrene	BQL	10.0	2.08	1	1/31/2007	
1,2,4-Trichlorobenzene	BQL	10.0	1.33	1	1/31/2007	
2,4,5-Trichlorophenol	BQL	10.0	2.63	1	1/31/2007	
2,4,6-Trichlorophenol	BQL	10.0	2.92	1	1/31/2007	

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.8	88
2-Fluorophenol	10	8.6	86
Nitrobenzene-d5	10	9.4	94
Phenol-d6	10	7.9	79
2,4,6-Tribromophenol	10	9.2	92
4-Terphenyl-d14	10	11.3	113

Comments:
* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:
BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By: _____

SGS

Results of Library Search for Semivolatile Compounds

by GCMS

Client Sample ID: UST45/S941-MW14
Client Project ID: NV015
Lab Sample ID: G650-103-3E
Lab Project ID: G650-103
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: EAW
Date Collected: 1/25/2007 11:52
Date Received: 1/29/2007
Date Extracted: 1/30/2007
Date Analyzed: 1/31/2005
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Unknown	10.92			214
2	Unknown	5.28			5.29
3					
4					
5					
6					
7					
8					
9					
10					

Comment:

Tentatively Identified Compound (TIC) refers to substances which are not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist.

Quantitation is accomplished by relative peak area of the compound compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is equal to or greater than 10% of that of the nearest internal standard. Quantitation provided is an estimate.

Reviewed by: _____

SGS

Results for Semivolatiles
by GCMS 8270

Client Sample ID: UST45/S941-MW15
Client Project ID: NV015
Lab Sample ID: G650-103-4I
Lab Project ID: G650-103

Analyzed By: EAW
Date Collected: 1/26/2007 11:05
Date Received: 1/29/2007
Date Extracted: 1/30/2007
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	10.0	1.22	1	1/31/2007	
Acenaphthylene	BQL	10.0	1.12	1	1/31/2007	
Anthracene	BQL	10.0	1.75	1	1/31/2007	
Benzo[a]anthracene	BQL	10.0	1.36	1	1/31/2007	
Benzo[a]pyrene	BQL	10.0	1.27	1	1/31/2007	
Benzo[b]fluoranthene	BQL	10.0	1.43	1	1/31/2007	
Benzo[g,h,i]perylene	BQL	10.0	4.57	1	1/31/2007	
Benzo[k]fluoranthene	BQL	10.0	1.09	1	1/31/2007	
Benzoic Acid	BQL	20.0	5.44	1	1/31/2007	
Bis(2-chloroethoxy)methane	BQL	10.0	1.11	1	1/31/2007	
Bis(2-chloroethyl)ether	BQL	10.0	1.09	1	1/31/2007	
Bis(2-chloroisopropyl)ether	BQL	10.0	1.57	1	1/31/2007	
Bis(2-ethylhexyl)phthalate	BQL	10.0	1.33	1	1/31/2007	
4-bromophenyl phenyl ether	BQL	10.0	1.99	1	1/31/2007	
Butylbenzylphthalate	BQL	10.0	1.53	1	1/31/2007	
2-Chloronaphthalene	BQL	10.0	1.25	1	1/31/2007	
2-Chlorophenol	BQL	10.0	4.22	1	1/31/2007	
4-Chloro-3-methylphenol	BQL	10.0	3.26	1	1/31/2007	
4-Chloroaniline	BQL	50.0	17.8	1	1/31/2007	
4-Chlorophenyl phenyl ether	BQL	10.0	1.42	1	1/31/2007	
Chrysene	BQL	10.0	1.11	1	1/31/2007	
Dibenzo[a,h]anthracene	BQL	10.0	4.87	1	1/31/2007	
Dibenzofuran	BQL	10.0	1.12	1	1/31/2007	
Di-n-Butylphthalate	BQL	10.0	1.65	1	1/31/2007	
1,2-Dichlorobenzene	BQL	10.0	1.25	1	1/31/2007	
1,3-Dichlorobenzene	BQL	10.0	1.24	1	1/31/2007	
1,4-Dichlorobenzene	BQL	10.0	1.20	1	1/31/2007	
3,3'-Dichlorobenzidine	BQL	20.0	4.10	1	1/31/2007	
2,4-Dichlorophenol	BQL	10.0	3.75	1	1/31/2007	
Diethylphthalate	BQL	10.0	1.48	1	1/31/2007	
Dimethylphthalate	BQL	10.0	1.04	1	1/31/2007	
2,4-Dimethylphenol	BQL	10.0	9.25	1	1/31/2007	
Di-n-octylphthalate	BQL	10.0	1.16	1	1/31/2007	
4,6-Dinitro-2-methylphenol	BQL	50.0	3.71	1	1/31/2007	
2,4-Dinitrophenol	BQL	50.0	4.20	1	1/31/2007	
2,4-Dinitrotoluene	BQL	10.0	1.52	1	1/31/2007	
2,6-Dinitrotoluene	BQL	10.0	1.41	1	1/31/2007	
Diphenylamine *	BQL	10.0	1.53	1	1/31/2007	
Fluoranthene	BQL	10.0	1.41	1	1/31/2007	
Fluorene	BQL	10.0	1.22	1	1/31/2007	
Hexachlorobenzene	BQL	10.0	1.22	1	1/31/2007	
Hexachlorobutadiene	BQL	10.0	1.58	1	1/31/2007	
Hexachlorocyclopentadiene	BQL	20.0	20.0	1	1/31/2007	
Hexachloroethane	BQL	10.0	1.58	1	1/31/2007	
Indeno(1,2,3-c,d)pyrene	BQL	10.0	4.57	1	1/31/2007	

SGS

Results for Semivolatiles
by GCMS 8270

Client Sample ID: UST45/S941-MW15
Client Project ID: NV015
Lab Sample ID: G650-103-4I
Lab Project ID: G650-103

Analyzed By: EAW
Date Collected: 1/26/2007 11:05
Date Received: 1/29/2007
Date Extracted: 1/30/2007
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Isophorone	BQL	10.0	1.27	1	1/31/2007	
2-Methylnaphthalene	BQL	10.0	1.36	1	1/31/2007	
2-Methylphenol	BQL	10.0	4.01	1	1/31/2007	
3- & 4-Methylphenol	BQL	10.0	2.94	1	1/31/2007	
Naphthalene	BQL	10.0	1.08	1	1/31/2007	
2-Nitroaniline	BQL	10.0	1.48	1	1/31/2007	
3-Nitroaniline	BQL	50.0	5.39	1	1/31/2007	
4-Nitroaniline	BQL	50.0	2.57	1	1/31/2007	
Nitrobenzene	BQL	10.0	1.32	1	1/31/2007	
2-Nitrophenol	BQL	10.0	3.52	1	1/31/2007	
4-Nitrophenol	BQL	50.0	3.17	1	1/31/2007	
N-Nitrosodi-n-propylamine	BQL	10.0	1.87	1	1/31/2007	
Pentachlorophenol	BQL	50.0	2.83	1	1/31/2007	
Phenanthrene	BQL	10.0	1.38	1	1/31/2007	
Phenol	BQL	10.0	3.38	1	1/31/2007	
Pyrene	BQL	10.0	2.08	1	1/31/2007	
1,2,4-Trichlorobenzene	BQL	10.0	1.33	1	1/31/2007	
2,4,5-Trichlorophenol	BQL	10.0	2.63	1	1/31/2007	
2,4,6-Trichlorophenol	BQL	10.0	2.92	1	1/31/2007	

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.9	89
2-Fluorophenol	10	8.9	88
Nitrobenzene-d5	10	9.4	94
Phenol-d6	10	8.3	83
2,4,6-Tribromophenol	10	9.1	91
4-Terphenyl-d14	10	10.9	109

Comments:
* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:
BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By: _____

SGS

Results of Library Search for Semivolatile Compounds

by GCMS

Client Sample ID: UST45/S941-MW15
Client Project ID: NV015
Lab Sample ID: G650-103-4l
Lab Project ID: G650-103
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: EAW
Date Collected: 1/26/2007 11:05
Date Received: 1/29/2007
Date Extracted: 1/30/2007
Date Analyzed: 1/31/2005
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Unknown	10.93			204
2	Unknown	5.29			5.93
3					
4					
5					
6					
7					
8					
9					
10					

Comment:

Tentatively Identified Compound (TIC) refers to substances which are not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist.

Quantitation is accomplished by relative peak area of the compound compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is equal to or greater than 10% of that of the nearest internal standard. Quantitation provided is an estimate.

Reviewed by: RML

SGS

Results for Semivolatiles
by GCMS 8270

Client Sample ID: UST45/S941-MW21
Client Project ID: NV015
Lab Sample ID: G650-103-5E
Lab Project ID: G650-103

Analyzed By: EAW
Date Collected: 1/25/2007 13:20
Date Received: 1/29/2007
Date Extracted: 1/30/2007
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	10.0	1.22	1	1/31/2007	
Acenaphthylene	BQL	10.0	1.12	1	1/31/2007	
Anthracene	BQL	10.0	1.75	1	1/31/2007	
Benzo[a]anthracene	BQL	10.0	1.36	1	1/31/2007	
Benzo[a]pyrene	BQL	10.0	1.27	1	1/31/2007	
Benzo[b]fluoranthene	BQL	10.0	1.43	1	1/31/2007	
Benzo[g,h,i]perylene	BQL	10.0	4.57	1	1/31/2007	
Benzo[k]fluoranthene	BQL	10.0	1.09	1	1/31/2007	
Benzoic Acid	BQL	20.0	5.44	1	1/31/2007	
Bis(2-chloroethoxy)methane	BQL	10.0	1.11	1	1/31/2007	
Bis(2-chloroethyl)ether	BQL	10.0	1.09	1	1/31/2007	
Bis(2-chloroisopropyl)ether	BQL	10.0	1.57	1	1/31/2007	
Bis(2-ethylhexyl)phthalate	BQL	10.0	1.33	1	1/31/2007	
4-bromophenyl phenyl ether	BQL	10.0	1.99	1	1/31/2007	
Butylbenzylphthalate	BQL	10.0	1.53	1	1/31/2007	
2-Chloronaphthalene	BQL	10.0	1.25	1	1/31/2007	
2-Chlorophenol	BQL	10.0	4.22	1	1/31/2007	
4-Chloro-3-methylphenol	BQL	10.0	3.26	1	1/31/2007	
4-Chloroaniline	BQL	50.0	17.8	1	1/31/2007	
4-Chlorophenyl phenyl ether	BQL	10.0	1.42	1	1/31/2007	
Chrysene	BQL	10.0	1.11	1	1/31/2007	
Dibenzo[a,h]anthracene	BQL	10.0	4.87	1	1/31/2007	
Dibenzofuran	BQL	10.0	1.12	1	1/31/2007	
Di-n-Butylphthalate	BQL	10.0	1.65	1	1/31/2007	
1,2-Dichlorobenzene	BQL	10.0	1.25	1	1/31/2007	
1,3-Dichlorobenzene	BQL	10.0	1.24	1	1/31/2007	
1,4-Dichlorobenzene	BQL	10.0	1.20	1	1/31/2007	
3,3'-Dichlorobenzidine	BQL	20.0	4.10	1	1/31/2007	
2,4-Dichlorophenol	BQL	10.0	3.75	1	1/31/2007	
Diethylphthalate	BQL	10.0	1.48	1	1/31/2007	
Dimethylphthalate	BQL	10.0	1.04	1	1/31/2007	
2,4-Dimethylphenol	BQL	10.0	9.25	1	1/31/2007	
Di-n-octylphthalate	BQL	10.0	1.16	1	1/31/2007	
4,6-Dinitro-2-methylphenol	BQL	50.0	3.71	1	1/31/2007	
2,4-Dinitrophenol	BQL	50.0	4.20	1	1/31/2007	
2,4-Dinitrotoluene	BQL	10.0	1.52	1	1/31/2007	
2,6-Dinitrotoluene	BQL	10.0	1.41	1	1/31/2007	
Diphenylamine *	BQL	10.0	1.53	1	1/31/2007	
Fluoranthene	BQL	10.0	1.41	1	1/31/2007	
Fluorene	BQL	10.0	1.22	1	1/31/2007	
Hexachlorobenzene	BQL	10.0	1.22	1	1/31/2007	
Hexachlorobutadiene	BQL	10.0	1.58	1	1/31/2007	
Hexachlorocyclopentadiene	BQL	20.0	20.0	1	1/31/2007	
Hexachloroethane	BQL	10.0	1.58	1	1/31/2007	
Indeno(1,2,3-c,d)pyrene	BQL	10.0	4.57	1	1/31/2007	

SGS

Results for Semivolatiles
by GCMS 8270

Client Sample ID: UST45/S941-MW21
Client Project ID: NV015
Lab Sample ID: G650-103-5E
Lab Project ID: G650-103

Analyzed By: EAW
Date Collected: 1/25/2007 13:20
Date Received: 1/29/2007
Date Extracted: 1/30/2007
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Isophorone	BQL	10.0	1.27	1	1/31/2007	
2-Methylnaphthalene	BQL	10.0	1.36	1	1/31/2007	
2-Methylphenol	BQL	10.0	4.01	1	1/31/2007	
3- & 4-Methylphenol	BQL	10.0	2.94	1	1/31/2007	
Naphthalene	BQL	10.0	1.08	1	1/31/2007	
2-Nitroaniline	BQL	10.0	1.48	1	1/31/2007	
3-Nitroaniline	BQL	50.0	5.39	1	1/31/2007	
4-Nitroaniline	BQL	50.0	2.57	1	1/31/2007	
Nitrobenzene	BQL	10.0	1.32	1	1/31/2007	
2-Nitrophenol	BQL	10.0	3.52	1	1/31/2007	
4-Nitrophenol	BQL	50.0	3.17	1	1/31/2007	
N-Nitrosodi-n-propylamine	BQL	10.0	1.87	1	1/31/2007	
Pentachlorophenol	BQL	50.0	2.83	1	1/31/2007	
Phenanthrene	BQL	10.0	1.38	1	1/31/2007	
Phenol	BQL	10.0	3.38	1	1/31/2007	
Pyrene	BQL	10.0	2.08	1	1/31/2007	
1,2,4-Trichlorobenzene	BQL	10.0	1.33	1	1/31/2007	
2,4,5-Trichlorophenol	BQL	10.0	2.63	1	1/31/2007	
2,4,6-Trichlorophenol	BQL	10.0	2.92	1	1/31/2007	

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8	80
2-Fluorophenol	10	7.3	73
Nitrobenzene-d5	10	8.1	81
Phenol-d6	10	7	70
2,4,6-Tribromophenol	10	8.6	86
4-Terphenyl-d14	10	10.7	107

Comments:
* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:
BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By: _____

SGS

Results of Library Search for Semivolatile Compounds

by GCMS

Client Sample ID: UST45/S941-MW21
Client Project ID: NV015
Lab Sample ID: G650-103-5E
Lab Project ID: G650-103
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: EAW
Date Collected: 1/25/2007 13:20
Date Received: 1/29/2007
Date Extracted: 1/30/2007
Date Analyzed: 1/31/2005
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Unknown	10.92			201
2	Unknown	5.29			5.14
3					
4					
5					
6					
7					
8					
9					
10					

Comment:

Tentatively Identified Compound (TIC) refers to substances which are not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist.

Quantitation is accomplished by relative peak area of the compound compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is equal to or greater than 10% of that of the nearest internal standard. Quantitation provided is an estimate.

Reviewed by: RM

SGS

Results for Semivolatiles
by GCMS 8270

Client Sample ID: UST45/S941-MW01/45
Client Project ID: NV015
Lab Sample ID: G650-103-6H
Lab Project ID: G650-103

Analyzed By: EAW
Date Collected: 1/26/2007 12:00
Date Received: 1/29/2007
Date Extracted: 1/30/2007
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	10.0	1.22	1	1/31/2007	
Acenaphthylene	BQL	10.0	1.12	1	1/31/2007	
Anthracene	BQL	10.0	1.75	1	1/31/2007	
Benzo[a]anthracene	BQL	10.0	1.36	1	1/31/2007	
Benzo[a]pyrene	BQL	10.0	1.27	1	1/31/2007	
Benzo[b]fluoranthene	BQL	10.0	1.43	1	1/31/2007	
Benzo[g,h,i]perylene	BQL	10.0	4.57	1	1/31/2007	
Benzo[k]fluoranthene	BQL	10.0	1.09	1	1/31/2007	
Benzoic Acid	BQL	20.0	5.44	1	1/31/2007	
Bis(2-chloroethoxy)methane	BQL	10.0	1.11	1	1/31/2007	
Bis(2-chloroethyl)ether	BQL	10.0	1.09	1	1/31/2007	
Bis(2-chloroisopropyl)ether	BQL	10.0	1.57	1	1/31/2007	
Bis(2-ethylhexyl)phthalate	BQL	10.0	1.33	1	1/31/2007	
4-bromophenyl phenyl ether	BQL	10.0	1.99	1	1/31/2007	
Butylbenzylphthalate	BQL	10.0	1.53	1	1/31/2007	
2-Chloronaphthalene	BQL	10.0	1.25	1	1/31/2007	
2-Chlorophenol	BQL	10.0	4.22	1	1/31/2007	
4-Chloro-3-methylphenol	BQL	10.0	3.26	1	1/31/2007	
4-Chloroaniline	BQL	50.0	17.8	1	1/31/2007	
4-Chlorophenyl phenyl ether	BQL	10.0	1.42	1	1/31/2007	
Chrysene	BQL	10.0	1.11	1	1/31/2007	
Dibenzo[a,h]anthracene	BQL	10.0	4.87	1	1/31/2007	
Dibenzofuran	BQL	10.0	1.12	1	1/31/2007	
Di-n-Butylphthalate	BQL	10.0	1.65	1	1/31/2007	
1,2-Dichlorobenzene	BQL	10.0	1.25	1	1/31/2007	
1,3-Dichlorobenzene	BQL	10.0	1.24	1	1/31/2007	
1,4-Dichlorobenzene	BQL	10.0	1.20	1	1/31/2007	
3,3'-Dichlorobenzidine	BQL	20.0	4.10	1	1/31/2007	
2,4-Dichlorophenol	BQL	10.0	3.75	1	1/31/2007	
Diethylphthalate	BQL	10.0	1.48	1	1/31/2007	
Dimethylphthalate	BQL	10.0	1.04	1	1/31/2007	
2,4-Dimethylphenol	BQL	10.0	9.25	1	1/31/2007	
Di-n-octylphthalate	BQL	10.0	1.16	1	1/31/2007	
4,6-Dinitro-2-methylphenol	BQL	50.0	3.71	1	1/31/2007	
2,4-Dinitrophenol	BQL	50.0	4.20	1	1/31/2007	
2,4-Dinitrotoluene	BQL	10.0	1.52	1	1/31/2007	
2,6-Dinitrotoluene	BQL	10.0	1.41	1	1/31/2007	
Diphenylamine *	BQL	10.0	1.53	1	1/31/2007	
Fluoranthene	BQL	10.0	1.41	1	1/31/2007	
Fluorene	BQL	10.0	1.22	1	1/31/2007	
Hexachlorobenzene	BQL	10.0	1.22	1	1/31/2007	
Hexachlorobutadiene	BQL	10.0	1.58	1	1/31/2007	
Hexachlorocyclopentadiene	BQL	20.0	20.0	1	1/31/2007	
Hexachloroethane	BQL	10.0	1.58	1	1/31/2007	

SGS

Results for Semivolatiles
by GCMS 8270

Client Sample ID: UST45/S941-MW01/45
Client Project ID: NV015
Lab Sample ID: G650-103-6H
Lab Project ID: G650-103

Analyzed By: EAW
Date Collected: 1/26/2007 12:00
Date Received: 1/29/2007
Date Extracted: 1/30/2007
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Indeno(1,2,3-c,d)pyrene	BQL	10.0	4.57	1	1/31/2007	
Isophorone	BQL	10.0	1.27	1	1/31/2007	
2-Methylnaphthalene	BQL	10.0	1.36	1	1/31/2007	
2-Methylphenol	BQL	10.0	4.01	1	1/31/2007	
3- & 4-Methylphenol	BQL	10.0	2.94	1	1/31/2007	
Naphthalene	BQL	10.0	1.08	1	1/31/2007	
2-Nitroaniline	BQL	10.0	1.48	1	1/31/2007	
3-Nitroaniline	BQL	50.0	5.39	1	1/31/2007	
4-Nitroaniline	BQL	50.0	2.57	1	1/31/2007	
Nitrobenzene	BQL	10.0	1.32	1	1/31/2007	
2-Nitrophenol	BQL	10.0	3.52	1	1/31/2007	
4-Nitrophenol	BQL	50.0	3.17	1	1/31/2007	
N-Nitrosodi-n-propylamine	BQL	10.0	1.87	1	1/31/2007	
Pentachlorophenol	BQL	50.0	2.83	1	1/31/2007	
Phenanthrene	BQL	10.0	1.38	1	1/31/2007	
Phenol	BQL	10.0	3.38	1	1/31/2007	
Pyrene	BQL	10.0	2.08	1	1/31/2007	
1,2,4-Trichlorobenzene	BQL	10.0	1.33	1	1/31/2007	
2,4,5-Trichlorophenol	BQL	10.0	2.63	1	1/31/2007	
2,4,6-Trichlorophenol	BQL	10.0	2.92	1	1/31/2007	

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.3	73
2-Fluorophenol	10	6	60
Nitrobenzene-d5	10	7.3	73
Phenol-d6	10	6.2	62
2,4,6-Tribromophenol	10	9.1	91
4-Terphenyl-d14	10	8.2	82

Comments:
* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:
BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By: _____

SGS

Results of Library Search for Semivolatile Compounds

by GCMS

Client Sample ID: UST45/S941-MW01/45
Client Project ID: NV015
Lab Sample ID: G650-103-6H
Lab Project ID: G650-103
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: EAW
Date Collected: 1/26/2007 12:00
Date Received: 1/29/2007
Date Extracted: 1/30/2007
Date Analyzed: 1/31/2005
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Unknown	10.93			227
2					
3					
4					
5					
6					
7					
8					
9					
10					

Comment:

Tentatively Identified Compound (TIC) refers to substances which are not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist.

Quantitation is accomplished by relative peak area of the compound compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is equal to or greater than 10% of that of the nearest internal standard. Quantitation provided is an estimate.

Reviewed by: _____

SGS

Results for Semivolatiles
by GCMS 8270

Client Sample ID: UST45/S941-MW04/45
Client Project ID: NV015
Lab Sample ID: G650-103-7E
Lab Project ID: G650-103

Analyzed By: EAW
Date Collected: 1/25/2007 15:00
Date Received: 1/29/2007
Date Extracted: 1/30/2007
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	10.0	1.22	1	1/31/2007	
Acenaphthylene	BQL	10.0	1.12	1	1/31/2007	
Anthracene	BQL	10.0	1.75	1	1/31/2007	
Benzo[a]anthracene	BQL	10.0	1.36	1	1/31/2007	
Benzo[a]pyrene	BQL	10.0	1.27	1	1/31/2007	
Benzo[b]fluoranthene	BQL	10.0	1.43	1	1/31/2007	
Benzo[g,h,i]perylene	BQL	10.0	4.57	1	1/31/2007	
Benzo[k]fluoranthene	BQL	10.0	1.09	1	1/31/2007	
Benzoic Acid	BQL	20.0	5.44	1	1/31/2007	
Bis(2-chloroethoxy)methane	BQL	10.0	1.11	1	1/31/2007	
Bis(2-chloroethyl)ether	BQL	10.0	1.09	1	1/31/2007	
Bis(2-chloroisopropyl)ether	BQL	10.0	1.57	1	1/31/2007	
Bis(2-ethylhexyl)phthalate	134	10.0	1.33	1	1/31/2007	
4-bromophenyl phenyl ether	BQL	10.0	1.99	1	1/31/2007	
Butylbenzylphthalate	BQL	10.0	1.53	1	1/31/2007	
2-Chloronaphthalene	BQL	10.0	1.25	1	1/31/2007	
2-Chlorophenol	BQL	10.0	4.22	1	1/31/2007	
4-Chloro-3-methylphenol	BQL	10.0	3.26	1	1/31/2007	
4-Chloroaniline	BQL	50.0	17.8	1	1/31/2007	
4-Chlorophenyl phenyl ether	BQL	10.0	1.42	1	1/31/2007	
Chrysene	BQL	10.0	1.11	1	1/31/2007	
Dibenzo[a,h]anthracene	BQL	10.0	4.87	1	1/31/2007	
Dibenzofuran	BQL	10.0	1.12	1	1/31/2007	
Di-n-Butylphthalate	BQL	10.0	1.65	1	1/31/2007	
1,2-Dichlorobenzene	BQL	10.0	1.25	1	1/31/2007	
1,3-Dichlorobenzene	BQL	10.0	1.24	1	1/31/2007	
1,4-Dichlorobenzene	BQL	10.0	1.20	1	1/31/2007	
3,3'-Dichlorobenzidine	BQL	20.0	4.10	1	1/31/2007	
2,4-Dichlorophenol	BQL	10.0	3.75	1	1/31/2007	
Diethylphthalate	BQL	10.0	1.48	1	1/31/2007	
Dimethylphthalate	BQL	10.0	1.04	1	1/31/2007	
2,4-Dimethylphenol	BQL	10.0	9.25	1	1/31/2007	
Di-n-octylphthalate	BQL	10.0	1.16	1	1/31/2007	
4,6-Dinitro-2-methylphenol	BQL	50.0	3.71	1	1/31/2007	
2,4-Dinitrophenol	BQL	50.0	4.20	1	1/31/2007	
2,4-Dinitrotoluene	BQL	10.0	1.52	1	1/31/2007	
2,6-Dinitrotoluene	BQL	10.0	1.41	1	1/31/2007	
Diphenylamine *	BQL	10.0	1.53	1	1/31/2007	
Fluoranthene	BQL	10.0	1.41	1	1/31/2007	
Fluorene	BQL	10.0	1.22	1	1/31/2007	
Hexachlorobenzene	BQL	10.0	1.22	1	1/31/2007	
Hexachlorobutadiene	BQL	10.0	1.58	1	1/31/2007	
Hexachlorocyclopentadiene	BQL	20.0	20.0	1	1/31/2007	
Hexachloroethane	BQL	10.0	1.58	1	1/31/2007	

SGS

Results for Semivolatiles
by GCMS 8270

Client Sample ID: UST45/S941-MW04/45
Client Project ID: NV015
Lab Sample ID: G650-103-7E
Lab Project ID: G650-103

Analyzed By: EAW
Date Collected: 1/25/2007 15:00
Date Received: 1/29/2007
Date Extracted: 1/30/2007
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Indeno(1,2,3-c,d)pyrene	BQL	10.0	4.57	1	1/31/2007	
Isophorone	BQL	10.0	1.27	1	1/31/2007	
2-Methylnaphthalene	BQL	10.0	1.36	1	1/31/2007	
2-Methylphenol	BQL	10.0	4.01	1	1/31/2007	
3- & 4-Methylphenol	BQL	10.0	2.94	1	1/31/2007	
Naphthalene	BQL	10.0	1.08	1	1/31/2007	
2-Nitroaniline	BQL	10.0	1.48	1	1/31/2007	
3-Nitroaniline	BQL	50.0	5.39	1	1/31/2007	
4-Nitroaniline	BQL	50.0	2.57	1	1/31/2007	
Nitrobenzene	BQL	10.0	1.32	1	1/31/2007	
2-Nitrophenol	BQL	10.0	3.52	1	1/31/2007	
4-Nitrophenol	BQL	50.0	3.17	1	1/31/2007	
N-Nitrosodi-n-propylamine	BQL	10.0	1.87	1	1/31/2007	
Pentachlorophenol	BQL	50.0	2.83	1	1/31/2007	
Phenanthrene	BQL	10.0	1.38	1	1/31/2007	
Phenol	BQL	10.0	3.38	1	1/31/2007	
Pyrene	BQL	10.0	2.08	1	1/31/2007	
1,2,4-Trichlorobenzene	BQL	10.0	1.33	1	1/31/2007	
2,4,5-Trichlorophenol	BQL	10.0	2.63	1	1/31/2007	
2,4,6-Trichlorophenol	BQL	10.0	2.92	1	1/31/2007	

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.3	83
2-Fluorophenol	10	6.8	68
Nitrobenzene-d5	10	8.3	83
Phenol-d6	10	6.9	69
2,4,6-Tribromophenol	10	9.2	92
4-Terphenyl-d14	10	10.4	104

Comments:
* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:
BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By: _____

SGS

Results of Library Search for Semivolatile Compounds

by GCMS

Client Sample ID: UST45/S941-MW04/45
Client Project ID: NV015
Lab Sample ID: G650-103-7E
Lab Project ID: G650-103
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: EAW
Date Collected: 1/25/2007 15:00
Date Received: 1/29/2007
Date Extracted: 1/30/2007
Date Analyzed: 1/31/2005
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Unknown	10.93			220
2					
3					
4					
5					
6					
7					
8					
9					
10					

Comment:

Tentatively Identified Compound (TIC) refers to substances which are not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist.

Quantitation is accomplished by relative peak area of the compound compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is equal to or greater than 10% of that of the nearest internal standard. Quantitation provided is an estimate.

Reviewed by: _____

SGS

Results for Semivolatiles
by GCMS 8270

Client Sample ID: UST45/S941-Duplicate
Client Project ID: NV015
Lab Sample ID: G650-103-8E
Lab Project ID: G650-103

Analyzed By: EAW
Date Collected: 1/25/2007 0:00
Date Received: 1/29/2007
Date Extracted: 1/30/2007
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	10.0	1.22	1	1/31/2007	
Acenaphthylene	BQL	10.0	1.12	1	1/31/2007	
Anthracene	BQL	10.0	1.75	1	1/31/2007	
Benzo[a]anthracene	BQL	10.0	1.36	1	1/31/2007	
Benzo[a]pyrene	BQL	10.0	1.27	1	1/31/2007	
Benzo[b]fluoranthene	BQL	10.0	1.43	1	1/31/2007	
Benzo[g,h,i]perylene	BQL	10.0	4.57	1	1/31/2007	
Benzo[k]fluoranthene	BQL	10.0	1.09	1	1/31/2007	
Benzoic Acid	BQL	20.0	5.44	1	1/31/2007	
Bis(2-chloroethoxy)methane	BQL	10.0	1.11	1	1/31/2007	
Bis(2-chloroethyl)ether	BQL	10.0	1.09	1	1/31/2007	
Bis(2-chloroisopropyl)ether	BQL	10.0	1.57	1	1/31/2007	
Bis(2-ethylhexyl)phthalate	BQL	10.0	1.33	1	1/31/2007	
4-bromophenyl phenyl ether	BQL	10.0	1.99	1	1/31/2007	
Butylbenzylphthalate	BQL	10.0	1.53	1	1/31/2007	
2-Chloronaphthalene	BQL	10.0	1.25	1	1/31/2007	
2-Chlorophenol	BQL	10.0	4.22	1	1/31/2007	
4-Chloro-3-methylphenol	BQL	10.0	3.26	1	1/31/2007	
4-Chloroaniline	BQL	50.0	17.8	1	1/31/2007	
4-Chlorophenyl phenyl ether	BQL	10.0	1.42	1	1/31/2007	
Chrysene	BQL	10.0	1.11	1	1/31/2007	
Dibenzo[a,h]anthracene	BQL	10.0	4.87	1	1/31/2007	
Dibenzofuran	BQL	10.0	1.12	1	1/31/2007	
Di-n-Butylphthalate	BQL	10.0	1.65	1	1/31/2007	
1,2-Dichlorobenzene	BQL	10.0	1.25	1	1/31/2007	
1,3-Dichlorobenzene	BQL	10.0	1.24	1	1/31/2007	
1,4-Dichlorobenzene	BQL	10.0	1.20	1	1/31/2007	
3,3'-Dichlorobenzidine	BQL	20.0	4.10	1	1/31/2007	
2,4-Dichlorophenol	BQL	10.0	3.75	1	1/31/2007	
Diethylphthalate	BQL	10.0	1.48	1	1/31/2007	
Dimethylphthalate	BQL	10.0	1.04	1	1/31/2007	
2,4-Dimethylphenol	BQL	10.0	9.25	1	1/31/2007	
Di-n-octylphthalate	BQL	10.0	1.16	1	1/31/2007	
4,6-Dinitro-2-methylphenol	BQL	50.0	3.71	1	1/31/2007	
2,4-Dinitrophenol	BQL	50.0	4.20	1	1/31/2007	
2,4-Dinitrotoluene	BQL	10.0	1.52	1	1/31/2007	
2,6-Dinitrotoluene	BQL	10.0	1.41	1	1/31/2007	
Diphenylamine *	BQL	10.0	1.53	1	1/31/2007	
Fluoranthene	BQL	10.0	1.41	1	1/31/2007	
Fluorene	BQL	10.0	1.22	1	1/31/2007	
Hexachlorobenzene	BQL	10.0	1.22	1	1/31/2007	
Hexachlorobutadiene	BQL	10.0	1.58	1	1/31/2007	
Hexachlorocyclopentadiene	BQL	20.0	20.0	1	1/31/2007	
Hexachloroethane	BQL	10.0	1.58	1	1/31/2007	
Indeno(1,2,3-c,d)pyrene	BQL	10.0	4.57	1	1/31/2007	

SGS

Results for Semivolatiles
by GCMS 8270

Client Sample ID: UST45/S941-Duplicate
Client Project ID: NV015
Lab Sample ID: G650-103-8E
Lab Project ID: G650-103

Analyzed By: EAW
Date Collected: 1/25/2007 0:00
Date Received: 1/29/2007
Date Extracted: 1/30/2007
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Isophorone	BQL	10.0	1.27	1	1/31/2007	
2-Methylnaphthalene	BQL	10.0	1.36	1	1/31/2007	
2-Methylphenol	BQL	10.0	4.01	1	1/31/2007	
3- & 4-Methylphenol	BQL	10.0	2.94	1	1/31/2007	
Naphthalene	BQL	10.0	1.08	1	1/31/2007	
2-Nitroaniline	BQL	10.0	1.48	1	1/31/2007	
3-Nitroaniline	BQL	50.0	5.39	1	1/31/2007	
4-Nitroaniline	BQL	50.0	2.57	1	1/31/2007	
Nitrobenzene	BQL	10.0	1.32	1	1/31/2007	
2-Nitrophenol	BQL	10.0	3.52	1	1/31/2007	
4-Nitrophenol	BQL	50.0	3.17	1	1/31/2007	
N-Nitrosodi-n-propylamine	BQL	10.0	1.87	1	1/31/2007	
Pentachlorophenol	BQL	50.0	2.83	1	1/31/2007	
Phenanthrene	BQL	10.0	1.38	1	1/31/2007	
Phenol	BQL	10.0	3.38	1	1/31/2007	
Pyrene	BQL	10.0	2.08	1	1/31/2007	
1,2,4-Trichlorobenzene	BQL	10.0	1.33	1	1/31/2007	
2,4,5-Trichlorophenol	BQL	10.0	2.63	1	1/31/2007	
2,4,6-Trichlorophenol	BQL	10.0	2.92	1	1/31/2007	

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7	70
2-Fluorophenol	10	5.6	56
Nitrobenzene-d5	10	6.9	69
Phenol-d6	10	5.8	58
2,4,6-Tribromophenol	10	8.6	86
4-Terphenyl-d14	10	10.4	104

Comments:
* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:
BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By: _____

SGS

Results of Library Search for Semivolatile Compounds

by GCMS

Client Sample ID: UST45/S941-Duplicate
Client Project ID: NV015
Lab Sample ID: G650-103-8E
Lab Project ID: G650-103
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: EAW
Date Collected: 1/25/2007 0:00
Date Received: 1/29/2007
Date Extracted: 1/30/2007
Date Analyzed: 1/31/2005
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Unknown	10.92			207
2	Sulfur, mol. (S8)	15.03	010544-50-0	94	12.3
3					
4					
5					
6					
7					
8					
9					
10					

Comment:

Tentatively Identified Compound (TIC) refers to substances which are not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist.

Quantitation is accomplished by relative peak area of the compound compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is equal to or greater than 10% of that of the nearest internal standard. Quantitation provided is an estimate.

Reviewed by: _____

SGS

Results for Semivolatiles
by GCMS 8270

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: PB7210
Lab Project ID:

Analyzed By: EAW
Date Collected:
Date Received:
Date Extracted: 1/30/2007
Matrix: WATER

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	10.0	1.22	1	1/31/2007	
Acenaphthylene	BQL	10.0	1.12	1	1/31/2007	
Anthracene	BQL	10.0	1.75	1	1/31/2007	
Benzo[a]anthracene	BQL	10.0	1.36	1	1/31/2007	
Benzo[a]pyrene	BQL	10.0	1.27	1	1/31/2007	
Benzo[b]fluoranthene	BQL	10.0	1.43	1	1/31/2007	
Benzo[g,h,i]perylene	BQL	10.0	4.57	1	1/31/2007	
Benzo[k]fluoranthene	BQL	10.0	1.09	1	1/31/2007	
Benzoic Acid	BQL	20.0	5.44	1	1/31/2007	
Bis(2-chloroethoxy)methane	BQL	10.0	1.11	1	1/31/2007	
Bis(2-chloroethyl)ether	BQL	10.0	1.09	1	1/31/2007	
Bis(2-chloroisopropyl)ether	BQL	10.0	1.57	1	1/31/2007	
Bis(2-ethylhexyl)phthalate	BQL	10.0	1.33	1	1/31/2007	
4-bromophenyl phenyl ether	BQL	10.0	1.99	1	1/31/2007	
Butylbenzylphthalate	BQL	10.0	1.53	1	1/31/2007	
2-Chloronaphthalene	BQL	10.0	1.25	1	1/31/2007	
2-Chlorophenol	BQL	10.0	4.22	1	1/31/2007	
4-Chloro-3-methylphenol	BQL	10.0	3.26	1	1/31/2007	
4-Chloroaniline	BQL	50.0	17.8	1	1/31/2007	
4-Chlorophenyl phenyl ether	BQL	10.0	1.42	1	1/31/2007	
Chrysene	BQL	10.0	1.11	1	1/31/2007	
Dibenzo[a,h]anthracene	BQL	10.0	4.87	1	1/31/2007	
Dibenzofuran	BQL	10.0	1.12	1	1/31/2007	
Di-n-Butylphthalate	BQL	10.0	1.65	1	1/31/2007	
1,2-Dichlorobenzene	BQL	10.0	1.25	1	1/31/2007	
1,3-Dichlorobenzene	BQL	10.0	1.24	1	1/31/2007	
1,4-Dichlorobenzene	BQL	10.0	1.20	1	1/31/2007	
3,3'-Dichlorobenzidine	BQL	20.0	4.10	1	1/31/2007	
2,4-Dichlorophenol	BQL	10.0	3.75	1	1/31/2007	
Diethylphthalate	BQL	10.0	1.48	1	1/31/2007	
Dimethylphthalate	BQL	10.0	1.04	1	1/31/2007	
2,4-Dimethylphenol	BQL	10.0	9.25	1	1/31/2007	
Di-n-octylphthalate	BQL	10.0	1.16	1	1/31/2007	
4,6-Dinitro-2-methylphenol	BQL	50.0	3.71	1	1/31/2007	
2,4-Dinitrophenol	BQL	50.0	4.20	1	1/31/2007	
2,4-Dinitrotoluene	BQL	10.0	1.52	1	1/31/2007	
2,6-Dinitrotoluene	BQL	10.0	1.41	1	1/31/2007	
Diphenylamine *	BQL	10.0	1.53	1	1/31/2007	
Fluoranthene	BQL	10.0	1.41	1	1/31/2007	
Fluorene	BQL	10.0	1.22	1	1/31/2007	
Hexachlorobenzene	BQL	10.0	1.22	1	1/31/2007	
Hexachlorobutadiene	BQL	10.0	1.58	1	1/31/2007	
Hexachlorocyclopentadiene	BQL	20.0	20.0	1	1/31/2007	
Hexachloroethane	BQL	10.0	1.58	1	1/31/2007	
Indeno(1,2,3-c,d)pyrene	BQL	10.0	4.57	1	1/31/2007	

SGS

Results for Semivolatiles
by GCMS 8270

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: PB7210
Lab Project ID:

Analyzed By: EAW
Date Collected:
Date Received:
Date Extracted: 1/30/2007
Matrix: WATER

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Isophorone	BQL	10.0	1.27	1	1/31/2007	
2-Methylnaphthalene	BQL	10.0	1.36	1	1/31/2007	
2-Methylphenol	BQL	10.0	4.01	1	1/31/2007	
3- & 4-Methylphenol	BQL	10.0	2.94	1	1/31/2007	
Naphthalene	BQL	10.0	1.08	1	1/31/2007	
2-Nitroaniline	BQL	10.0	1.48	1	1/31/2007	
3-Nitroaniline	BQL	50.0	5.39	1	1/31/2007	
4-Nitroaniline	BQL	50.0	2.57	1	1/31/2007	
Nitrobenzene	BQL	10.0	1.32	1	1/31/2007	
2-Nitrophenol	BQL	10.0	3.52	1	1/31/2007	
4-Nitrophenol	BQL	50.0	3.17	1	1/31/2007	
N-Nitrosodi-n-propylamine	BQL	10.0	1.87	1	1/31/2007	
Pentachlorophenol	BQL	50.0	2.83	1	1/31/2007	
Phenanthrene	BQL	10.0	1.38	1	1/31/2007	
Phenol	BQL	10.0	3.38	1	1/31/2007	
Pyrene	BQL	10.0	2.08	1	1/31/2007	
1,2,4-Trichlorobenzene	BQL	10.0	1.33	1	1/31/2007	
2,4,5-Trichlorophenol	BQL	10.0	2.63	1	1/31/2007	
2,4,6-Trichlorophenol	BQL	10.0	2.92	1	1/31/2007	

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.1	81
2-Fluorophenol	10	8	80
Nitrobenzene-d5	10	8.5	85
Phenol-d6	10	7.6	76
2,4,6-Tribromophenol	10	8.1	81
4-Terphenyl-d14	10	11	110

Comments:
* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:
BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By: _____

SGS

Results For Matrix Spike / Matrix Spike Duplicate and Laboratory Control Standard (MS/MSD/LCS)
by GCMS

Client Sample ID: Batch QC
Client Project ID:
Lab Sample ID: Batch-7210-MS/MSD/LCS
Lab Project ID: G650-103-8
Matrix: WATER
Prep Method: 3520

Date Collected:
Date Received:
Date Extracted: 01/30/07
Date Analyzed: 01/31/07
Analyzed By: EAW
Dilution: 1

	Sample Amount (µg/L)	MS Spike (µg/L)	MS Conc. (µg/L)	MS Spike % Rec.	MSD Spike (µg/L)	MSD Conc. (µg/L)	MSD Conc. % Rec.	RPD	QC Limits RPD	QC Limits % Rec.
Acenaphthylene	BQL	270	286	106	270	221	81.9	25.6	30	62.0-119
4-Chloro-3-methylphenol	BQL	270	255	94.2	270	205	76.0	21.4	30	67.0-109
2-Chlorophenol	BQL	270	235	86.8	270	151	55.9*	43.3*	30	59.0-95.0
1,4-Dichlorobenzene	BQL	270	180	66.5	270	115	42.5	44.0*	30	29.0-86.0
2,4-Dinitrotoluene	BQL	270	310	115*	270	264	97.8	15.8	30	63.0-103
N-Nitrosodi-n-propylamine	BQL	270	302	112*	270	227	84.0	28.2	30	67.0-107
4-Nitrophenol	BQL	270	273	101	270	243	90.0	11.5	30	49.0-146
Pentachlorophenol	BQL	270	223	82.5	270	199	73.6	11.4	30	43.0-106
Phenol	BQL	270	230	85.1	270	157	58.2*	37.5*	30	61.0-100
Pyrene	BQL	270	268	99.1	270	245	90.6	8.96	30	41.0-123
1,2,4-Trichlorobenzene	BQL	270	236	87.4	270	155	57.3	41.6*	30	41.0-96.0

	Spiked Amount (µg/L)	LCS Conc. (µg/L)	LCS Spike %	QC Limits % Rec.
Acenaphthylene	100	99.7	99.7	72.9-127
4-Chloro-3-methylphenol	100	92.0	92.0	61.6-113
2-Chlorophenol	100	86.0	86.0	52.3-104
1,4-Dichlorobenzene	100	76.5	76.5	27.3-85.0
2,4-Dinitrotoluene	100	109	109	66.5-117
N-Nitrosodi-n-propylamine	100	109	109	54.4-119
4-Nitrophenol	100	94.4	94.4	32.4-150
Pentachlorophenol	100	77.1	77.1	23.9-115
Phenol	100	85.2	85.2	54.5-106
Pyrene	100	95.9	95.9	63.5-126
1,2,4-Trichlorobenzene	100	88.9	88.9	49.1-98.5

Comments:

Concentrations reflect the spiked sample amounts.

Flags:

* = Out of limits.
NA = Not applicable.

Reviewed By: RMC

SGS

Results for Metals

Client Sample ID:	UST45/S941-MW13	Analyzed By:	AEC
Client Project ID:	NV015	Date Collected:	1/26/07 10:05
Lab Sample ID:	G650-103-2	Date Received:	1/29/07
Lab Project ID:	G650-103	Matrix:	WATER
Batch ID:	7191		

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	BQL	5.00	0.470	25	UG/L	6020	2/1/07	

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL
Samples Prepared by 3030C

Reviewed By: _____
MET_LIMS_4.1

SGS

Results for Metals

Client Sample ID:	UST45/S941-MW15	Analyzed By:	AEC
Client Project ID:	NV015	Date Collected:	1/26/07 11:05
Lab Sample ID:	G650-103-4	Date Received:	1/29/07
Lab Project ID:	G650-103	Matrix:	WATER
Batch ID:	7191		

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	**1.23**	5.00	0.470	25	UG/L	6020	2/1/07	J

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL
Samples Prepared by 3030C

Reviewed By: _____
MET_LIMS_4.1

SGS

Results for Metals

Client Sample ID:	UST45/S941-MW01/45	Analyzed By:	AEC
Client Project ID:	NV015	Date Collected:	1/26/07 12:00
Lab Sample ID:	G650-103-6	Date Received:	1/29/07
Lab Project ID:	G650-103	Matrix:	WATER
Batch ID:	7191		

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	BQL	5.00	0.470	25	UG/L	6020	2/1/07	

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL
Samples Prepared by 3030C

Reviewed By: _____
MET_LIMS_4.1

SGS

Results for Metals

Client Sample ID:	Lab Blank	Analyzed By:	AEC
Client Project ID:		Date Collected:	
Lab Sample ID:	pb7191	Date Received:	
Lab Project ID:		Matrix:	WATER
Batch ID:	7191		

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	BQL	5.00	0.470	25	UG/L	6020	2/1/07	

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL
Samples Prepared by 3030C

Reviewed By: fwr
MET_LIMS_4 1

SGS

METALS Results for LCS/LCD

ICP Batch: 7191
HG Batch:
Other:

Matrix: WATER
Units: MG/L

Analyte	TRUE Value	LCS	LCS %REC	LCD	LCD %REC	Limit Lower	Limit Upper	RPD	RPD Limit
Lead	0.400	0.386	96.5	0.389	97.3	80	120	0.774	20

Reviewed By: AMC

SGS

MS/MSD Results for METALS

Lab ID: G650-103-4
MS Lab ID: G650-103-4
MSD Lab ID: G650-103-4
ICP Batch: 7191
HG Batch:
Other:

Analyzed By: AEC
Matrix: Water
Units: MG/L

Analyte	Sample Result	SA MS	MS Result	MS %REC	SA MSD	MSD Result	MSD %REC	Limit Lower	Limit Upper	RPD	RPD Limit
Lead	BQL	0.400	0.414	104	0.400	0.418	105	75	125	0.962	20

Comments

*=Out of Limits
NA = Not applicable, due to sample concentration greater than three times spike concentration

Reviewed By: _____

SGS

List of Reporting Abbreviations and Data Qualifiers

B = Compound also detected in batch blank

BQL = Below Quantitation Limit (RL or MDL)

DF = Dilution Factor

Dup = Duplicate

D = Detected, but RPD is > 40% between results in dual column method.

E = Estimated concentration, exceeds calibration range.

J = Estimated concentration, below calibration range and above MDL

LCS(D) = Laboratory Control Spike (Duplicate)

MDL = Method Detection Limit

MS(D) = Matrix Spike (Duplicate)

PQL = Practical Quantitation Limit

RL = Reporting Limit

RPD = Relative Percent Difference

mg/kg = milligram per kilogram, ppm, parts per million

ug/kg = micrograms per kilogram, ppb, parts per billion

mg/L = milligram per liter, ppm, parts per million

ug/L = micrograms per liter, ppb, parts per billion

% Rec = Percent Recovery

% soilds = Percent Solids

Special Notes:

1) Metals and mercury samples are digested with a hot block, see the standard operating procedure document for details.

2) Uncertainty for all reported data is less than or equal to 30 percent.

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Locations Nationwide
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- New Jersey
- North Carolina
- West Virginia

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066036

(1) CLIENT: Sovereign Consulting Inc
CONTACT: Theresa Eilerman PHONE NO: (907) athena 3941
PROJECT: NW015 SITE/PWSID#: Bldg 45
REPORTS TO: E-MAIL: cmurray@sovcon.com
Chris Murray FAX NO.: (757) 456-5045
INVOICE TO: Chris Murray QUOTE #
405 Oak Mears (Present Site)
Virginia Beach VA 23462 P.O. NUMBER

SGS Reference: GB G1650-103
PAGE 1 OF 1

(2)

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	No CONTAINERS	SAMPLE TYPE (C=COMP, G=GRAB)	Preservatives Used	HCl	None	+NO3	Analysis Required (3)	REMARKS
	UST45/5941-MW09	1/25/07	1230	W	5			x	x	x	BTEX (8260) / 5 OTC's (8270C) / VOC (8260C LVD)	CNCL 8260C per SAMPLES from 1/25/07 - CLIENT TO RESAMPLE AS PER T. EILERMAN on 1/29/07 SGS
	UST45/5941-MW13	1/26/07	1005	W	5			x	x	x		
	UST45/5941-MW14	1/25/07	1152	W	5			x	x	x		
	UST45/5941-MW15	1/26/07	1105	W	5			x	x	x		
	UST45/5941-MW21	1/25/07	1320	W	5			x	x	x		
	UST45/5941-MW01/45	1/26/07	1200	W	5			x	x	x		
	UST45/5941-MW04/45	1/25/07	1500	W	5			x	x	x		
	UST45/5941-DUPLICATE	1/25/07	—	W	5			x	x	x		
	TEIP BLANKS	1/26/07	LAB	W	2			x				

(5)

Collected/Relinquished By:(1)	Date	Time	Received By:
	1400 1/26/07		
Relinquished By: (2)	Date 1/29/07	Time 920	Received By: Amy DeLaney
Relinquished By: (3)	Date	Time	Received By:
Relinquished By: (4)	Date	Time	Received By:

(4)

Shipping Carrier: FEDEX
Shipping Ticket No: 5600 1543 4621 4700

Samples Received Cold? (Circle) YES NO
Temperature °C: 5.4 °T:

Special Deliverable Requirements: EDD FORMAT

Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT

Requested Turnaround Time and Special Instructions:
standard turnaround -
Email results "EDD Format" to mail@sovcon.com / cmurray@sovcon.com

Mr. Chris Murray
Sovereign Consulting
405 Oakmears Crescent
Suite 1
Virginia Beach VA 23462
Report Number: G650-104

Client Project: NV015

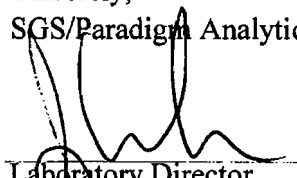
Dear Mr. Murray:

Enclosed are the results of the analytical services performed under the referenced project. The samples are certified to meet the requirements of the National Environmental Laboratory Accreditation Conference Standards. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or the services performed during this project, please call SGS/Paradigm at (910) 350-1903. We will be happy to answer any questions or concerns which you may have.

Thank you for using SGS/Paradigm Analytical Labs for your analytical services. We look forward to working with you again on any additional analytical needs which you may have.

Sincerely,
SGS/Paradigm Analytical Laboratories, Inc.



2/8/2007

Laboratory Director — Date
J. Patrick Weaver

Results for Metals

Client Sample ID:	UST45/S941-MW09	Analyzed By:	AEC
Client Project ID:	NV015	Date Collected:	2/1/07 10:42
Lab Sample ID:	G650-104-1	Date Received:	2/1/07
Lab Project ID:	G650-104	Matrix:	WATER
Batch ID:	7244		

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	BQL	5.00	0.470	25	UG/L	6020	2/8/07	

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL
Samples Prepared by 3030C

Reviewed By: _____
MET_LIMS_4.1

Results for Metals

Client Sample ID:	UST45/S941-MW14	Analyzed By:	AEC
Client Project ID:	NV015	Date Collected:	2/1/07 10:29
Lab Sample ID:	G650-104-2	Date Received:	2/1/07
Lab Project ID:	G650-104	Matrix:	WATER
Batch ID:	7244		

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	BQL	5.00	0.470	25	UG/L	6020	2/8/07	

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL
Samples Prepared by 3030C

Reviewed By: MET_LIMS_41

Results for Metals

Client Sample ID:	UST45/S941-MW21	Analyzed By:	AEC
Client Project ID:	NV015	Date Collected:	2/1/07 10:15
Lab Sample ID:	G650-104-3	Date Received:	2/1/07
Lab Project ID:	G650-104	Matrix:	WATER
Batch ID:	7244		

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	BQL	5.00	0.470	25	UG/L	6020	2/8/07	

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL
Samples Prepared by 3030C

Reviewed By: _____
MET_LIMS_4 1

Results for Metals

Client Sample ID:	UST45/S941-MW04/45	Analyzed By:	AEC
Client Project ID:	NV015	Date Collected:	2/1/07 9:57
Lab Sample ID:	G650-104-4	Date Received:	2/1/07
Lab Project ID:	G650-104	Matrix:	WATER
Batch ID:	7244		

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	BQL	5.00	0.470	25	UG/L	6020	2/8/07	

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL
Samples Prepared by 3030C

Reviewed By: MET_LIMS_4 1

Results for Metals

Client Sample ID:	UST45/S941-Duplicate	Analyzed By:	AEC
Client Project ID:	NV015	Date Collected:	2/1/07 0:00
Lab Sample ID:	G650-104-5	Date Received:	2/1/07
Lab Project ID:	G650-104	Matrix:	WATER
Batch ID:	7244		

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	BQL	5.00	0.470	25	UG/L	6020	2/8/07	

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL
Samples Prepared by 3030C

Reviewed By: _____
MET_LIMS_4.1

Results for Metals

Client Sample ID:	Lab Blank	Analyzed By:	AEC
Client Project ID:		Date Collected:	
Lab Sample ID:	pb7244	Date Received:	
Lab Project ID:		Matrix:	WATER
Batch ID:	7244		

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	BQL	5.00	0.470	25	UG/L	6020	2/8/07	

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL
Samples Prepared by 3030C

Reviewed By: MET_LIMS_4 1

METALS Results for LCS/LCD

ICP Batch: 7244
HG Batch:
Other:

Matrix: WATER
Units: MG/L

Analyte	TRUE Value	LCS	LCS %REC	LCD	LCD %REC	Limit Lower	Limit Upper	RPD	RPD Limit
Lead	0.4	0.392	98.000	0.388	97.000	80	120	1.03	20

Reviewed By:

SGS ENVIRONMENTAL SERVICES, INC.

MS/MSD Results for METALS

Lab ID: G650-104-5
MS Lab ID: G650-104-5
MSD Lab ID: G650-104-5
ICP Batch: 7244
HG Batch:
Other:

Analyzed By: AEC
Matrix: Water
Units: MG/L

Analyte	Sample Result	SA MS	MS Result	MS %REC	SA MSD	MSD Result	MSD %REC	Limit Lower	Limit Upper	RPD	RPD Limit
Lead	BQL	0.400	0.405	101	0.400	0.405	101	75	125	0	20

Comments

*=Out of Limits
NA = Not applicable, due to sample concentration greater than three times spike concentration

Reviewed By: hw

List of Reporting Abbreviations and Data Qualifiers

B = Compound also detected in batch blank

BQL = Below Quantitation Limit (RL or MDL)

DF = Dilution Factor

Dup = Duplicate

D = Detected, but RPD is > 40% between results in dual column method.

E = Estimated concentration, exceeds calibration range.

J = Estimated concentration, below calibration range and above MDL

LCS(D) = Laboratory Control Spike (Duplicate)

MDL = Method Detection Limit

MS(D) = Matrix Spike (Duplicate)

PQL = Practical Quantitation Limit

RL = Reporting Limit

RPD = Relative Percent Difference

mg/kg = milligram per kilogram, ppm, parts per million

ug/kg = micrograms per kilogram, ppb, parts per billion

mg/L = milligram per liter, ppm, parts per million

ug/L = micrograms per liter, ppb, parts per billion

% Rec = Percent Recovery

% soilds = Percent Solids

Special Notes:

1) Metals and mercury samples are digested with a hot block, see the standard operating procedure document for details.

2) Uncertainty for all reported data is less than or equal to 30 percent.

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065727

(1) CLIENT: Sovereign Consulting Inc

CONTACT: Theresa Eiterman PHONE NO: (919) 526-3941

PROJECT: NV015 SITE/PWSID#: Bldg 45

REPORTS TO: E-MAIL: cmurray@sovcon.com

Chris Murray FAX NO.: (757) 456-5075

INVOICE TO: Chris Murray QUOTE #
405 Opal Meyers Crescent
Virginia Beach VA 23462 P.O. NUMBER

SGS Reference: G650-104

PAGE 1 OF 1

(2)

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	No CONTAINERS	SAMPLE TYPE (C=COMP, G=GRAB)	Preservatives Used: HNO3 — Analysis Required (3): 6010A (Total Lead)	REMARKS
	UST45/5941-MW09	2/1/07	1042	W	1		X	
	UST45/5941-MW14	2/1/07	1029	W	1		X	
	UST45/5941-MW21	2/1/07	1015	W	1		X	
	UST45/5941-MW04/45	2/1/07	0957	W	1		X	
	UST45/5941-DUPLICATE	2/1/07	—	W	1		X	

(5)

Collected/Relinquished By:(1)	Date	Time	Received By:
	2/1/07	1305	L. Volkanev
Relinquished By: (2)	Date	Time	Received By:
Relinquished By: (3)	Date	Time	Received By:
Relinquished By: (4)	Date	Time	Received By:

(4)

Shipping Carrier: HAND DELIVERED
Shipping Ticket No:

Samples Received Cold? (Circle) YES NO
Temperature °C: Ice 1.4

Special Deliverable Requirements: EDD FORMAT

Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT

Requested Turnaround Time and Special Instructions:
Standard Turnaround
Email results "EDD Format" to
nhall@sovcon.com

SGS ENVIRONMENTAL SERVICES, INC.

N.C. CERTIFICATION #481

200 W. Potter Drive Anchorage, AK 99518 Tel: (907) 562-2343 Fax: (907) 561-5301
5500 Business Drive Wilmington, NC 28405 Tel: (910) 350-1903 Fax: (910) 350-1557
1270 Greenbrier Street Charleston, WV 25311 Tel: (304) 346-0725 Fax: (304) 346-0761

White - Retained by Lab
Yellow - Returned with Report
Pink - Retained by Sampler

APPENDIX C

FIELD DATA

GROUNDWATER MONITORING WELL GAUGING DATA
MCB Camp LeJeune and New River MCAS

Date: 6/6/06
SITE: **Bldg 45**
Gauged By: TE

WELL NUMBER	DEPTH TO BOTTOM MEASURED FROM TOC		TIME OF GAUGING	DEPTH TO WATER FROM TOP OF CASING	DEPTH TO LNAPL FROM TOP OF CASING	LNAPL THICKNESS	COMMENTS
	Installed	Measured					
UST45/S941-MW04		21.93	0847	9.32			
UST45/S941-MW05		19.65	0822	8.92			
UST45/S941-MW06		48.22	0824	17.97			
UST45/S941-MW07		23.11	0829	5.22			
UST45/S941-MW08		19.17	0825	5.68			
UST45/S941-MW09		48.17	0828	17.60			
UST45/S941-MW12		15.35	0844	5.98			
UST45/S941-MW13		12.18	not	gauged - under water			
UST45/S941-MW14		16.12	0851	13.1			
UST45/S941-MW15		15.90	0816	9.41			
UST45/S941-MW17		14.70	0959	6.08			
UST45/S941-MW19		17.11	0836	6.21			
UST45/S941-MW20		15.68	0829	5.27			
UST45/S941-MW21		48.92	0853	14.64			
~~UST45/S941-MW22~~		---	---	---	---	---	~~unknown location~~ NO MW22 at this site
UST45/S941-MW01/45		20.07	0819	11.30			
UST45/S941-MW02/45		---	---	---	---	---	unknown location
UST45/S941-MW03/45		---	---	---	---	---	unknown location
UST45/S941-MW04/45		22.04					
UST45/S941-MW05/45		---	---	---	---	---	unknown location
UST45/S941-MW02R		14.51	0839	6.72			
UST45/S941-MW03R		17.80	0835	7.66			
UST45/S941-PW01R		18.00	0837	7.63			
total for sample tubing		428.63					

ADD → MW18 | 1 | 20.07 | 0819 | 11.30

Date: 11 July 2006

SITE: Body 45

MCB Camp LeJeune and New River MCAS

Gauged By: TE

GROUNDWATER MONITORING WELL GAUGING DATA

WELL NUMBER	DEPTH TO BOTTOM MEASURED FROM TOC		TIME OF GAUGING	DEPTH TO WATER FROM TOP OF CASING	DEPTH TO LNAPL FROM TOP OF CASING	LNAPL THICKNESS	COMMENTS
	Installed	Measured					
MW17			1025	4.62			
MW05			1026	6.90			
MW06			1032	16.77			
MW08			1033	5.05			
MW09			1034	16.30			
MW07			1035	4.15			
MW03R			1037	6.11			
MW02R			1040	4.91			
PW01R			1038	6.37			
MW20			1036	4.30			
MW18			1041	5.40			
MW04			1112	6.40			
MW12			1111	3.71			
MW13			1109	4.66			
MW14			1056	7.56			
MW21			1055	13.01			
MW15			1051	6.75			
MW01/45			1050	10.10			
MW04/45			1053	12.95			
MW 21			1115	4.28			
MW 19			1114	4.72			

GROUNDWATER MONITORING WELL GAUGING DATA
MCB Camp LeJeune and New River MCAS

Date: 8/7/06
SITE: Bldg 45
Gauged By: TE

WELL NUMBER	DEPTH TO BOTTOM MEASURED FROM TOC		TIME OF GAUGING	DEPTH TO WATER FROM TOP OF CASING	DEPTH TO LNAPL FROM TOP OF CASING	LNAPL THICKNESS	COMMENTS
	Installed	Measured					
UST45/S941-MW04		21.93	1014	7.57			
UST45/S941-MW05	X	19.65	0951	7.45			
UST45/S941-MW06		48.22	0953	17.25			
UST45/S941-MW07	X	23.11	0957	4.62			
UST45/S941-MW08	X	19.17	0954	5.32			
UST45/S941-MW09		48.17	0956	16.81			
UST45/S941-MW12	X	15.35	1013	4.22			
UST45/S941-MW13	X	12.18	1011	5.19			
UST45/S941-MW14		16.12	1017	8.40			
UST45/S941-MW15	X	15.90	1022	8.48			
UST45/S941-MW17	X	14.70	0955	5.96			
UST45/S941-MW19	X	17.11	0959	5.22			
UST45/S941-MW20	X	15.68	0958	4.73			
UST45/S941-MW21		48.92	1018	13.92			
~~UST45/S941-MW22~~		X	X	X	---	---	unknown location — NEVER HAD
UST45/S941-MW01/45		20.07	1025	[illegible]	1035		
~~UST45/S941-MW02/45~~		---	X	X	---	---	unknown location
UST45/S941-MW03/45		---	X	X	---	---	unknown location
UST45/S941-MW04/45		22.04	1027	13.77			NEW CEMENT PAD
UST45/S941-MW05/45		---	X	X	---	---	unknown location
UST45/S941-MW02R	X	14.51	1002	5.47			
UST45/S941-MW03R	X	17.80	1001	6.41			
UST45/S941-PW01R	X	18.00	1004	6.96			
MW18	X		1006	6.20			ADD —
total for sample tubing		428.63					

PURGING AND BAILING GROUNDWATER SAMPLING FOR
MCB Camp LeJeune and New River MCAS

Project Number:	NV015	Well ID:	PW01R
Project Name:	Bldg 45	Sample ID:	LST45/S941-PW01R
Date:	8/3/26	Well Condition:	good
Weather:	90's		

ALL DEPTHS ARE TO BE COLLECTED FROM THE TOP OF THE CASING.

Protective Casing Diameter (inch):	N/A	Water Column (feet):	11.04
Inner Casing Diameter (inch):	2" (0.163)	Casing Volume (gal):	1.79
		Purge/Sample Method:	Low Flow Method
Depth to Product from TOC (feet):	N/A	Start Purge Date/Time:	0849
Initial Depth to Water from TOC (feet):	6.96	Total Volume Purged (gal):	3
Product Thickness (feet):	N/A	Sample Time/Date	1010
Total Depth from TOC (feet):	18	Sampler Name:	TE

Time	Rate (ml/min) 200-500ml	Cumulative Gallons Purged	pH	Conductivity ms/cm	Temp (°C)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mv)	Comments
0958	200	2	6.78	0.784	23.77	0.27	14	-89.4	
1002			6.77	0.784	23.80	0.28	13	-89.1	
1006			6.77	0.784	23.76	0.27	14	-89.0	
1010			6.76	0.782	23.80	0.27	12	-88.8	

PURGING AND BAILING GROUNDWATER SAMPLING FORM
MCB Camp LeJeune and New River MCAS

Project Number:	NV015	Well ID:	MW02B
Project Name:	Bldg 45	Sample ID:	UST45/3941-MW02B
Date:	8/8/06	Well Condition:	Good
Weather:	90's		

ALL DEPTHS ARE TO BE COLLECTED FROM THE TOP OF THE CASING.

Protective Casing Diameter (inch):	N/A	Water Column (feet):	9.04
Inner Casing Diameter (inch):	4" (0.653)	Casing Volume (gal):	1.47
		Purge/Sample Method:	Low Flow Method
Depth to Product from TOC (feet):	N/A	Start Purge Date/Time:	0959
Initial Depth to Water from TOC (feet):	5.47	Total Volume Purged (gal):	3
Product Thickness (feet):	N/A	Sample Time/Date	1240
Total Depth from TOC (feet):	14.51	Sampler Name:	TE

±.2 ±3% ±.2 20% ±20 mV

Time	Rate (ml/min) 200-500ml	Cumulative Gallons Purged	pH	Conductivity ms/cm	Temp (°C)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mv)	Comments
1029	200	2	6.96	0.671	23.41	0.18	5.1	-91.7	
1032			6.96	0.667	23.39	0.16	2.4	-92.5	
1035			6.96	0.666	23.39	0.15	1.3	-93.4	
1238			6.96	0.664	23.38	0.14	1.8	-93.9	

PURGING AND BAILING GROUNDWATER SAMPLING FORM
MCB Camp LeJeune and New River MCAS

Project Number:	NV015	Well ID:	MW03R
Project Name:	Bldg 45	Sample ID:	UST45/5941-MW03R
Date:	~~8/8/06~~ 8/8/06	Well Condition:	good
Weather:	90's		

ALL DEPTHS ARE TO BE COLLECTED FROM THE TOP OF THE CASING.

Protective Casing Diameter (inch):	N/A	Water Column (feet):	11.19
Inner Casing Diameter (inch):	2" (0.163)	Casing Volume (gal):	1.82
		Purge/Sample Method:	Low Flow Method
Depth to Product from TOC (feet):	N/A	Start Purge Date/Time:	0849
Initial Depth to Water from TOC (feet):	6.61	Total Volume Purged (gal):	3
Product Thickness (feet):	N/A	Sample Time/Date	0953
Total Depth from TOC (feet):	17.80	Sampler Name:	TG

Time	Rate (ml/min) 200-500ml	Cumulative Gallons Purged	pH	Conductivity ms/cm	Temp (°C)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mv)	Comments
0940	200	2	5.81	0.193	23.85	0.48	10	0.8	
0943			5.79	0.190	23.80	2.47	2.5	1.8	
0946			5.78	0.190	23.77	0.42	1.00	2.2	
0949			5.77	0.190	23.81	0.37	0.55	2.4	

PURGING AND BAILING GROUNDWATER SAMPLING FORM
MCB Camp LeJeune and New River MCAS

Project Number:	NV015	Well ID:	MW04
Project Name:	Bldg 45	Sample ID:	LST45/3941-MW04
Date:	8/9/02	Well Condition:	Good
Weather:	80's ↑		

ALL DEPTHS ARE TO BE COLLECTED FROM THE TOP OF THE CASING.

Protective Casing Diameter (inch):	N/A	Water Column (feet):	14.36
Inner Casing Diameter (inch):	2" (0.163)	Casing Volume (gal):	2.34
		Purge/Sample Method:	Low Flow Method
Depth to Product from TOC (feet):	N/A	Start Purge Date/Time:	1221
Initial Depth to Water from TOC (feet):	7.57	Total Volume Purged (gal):	4
Product Thickness (feet):	N/A	Sample Time/Date	1255
Total Depth from TOC (feet):	21.93	Sampler Name:	TE

Time	Rate (ml/min) 200-500ml	Cumulative Gallons Purged	pH	Conductivity ms/cm	Temp (°C)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mv)	Comments
1245	300 ml	3	4.95	0.073	21.18	0.41	4.4	239.7	
1248			4.94	0.075	21.13	0.42	2.5	235.8	
1251			4.94	0.075	21.10	0.42	2.6	237.1	
1254			4.94	0.076	21.08	0.42	2.0	237.6	

PURGING AND BAILING GROUNDWATER SAMPLING FORM
MCB Camp LeJeune and New River MCAS

Project Number:	NV015	Well ID:	MW05
Project Name:	Bldg 45	Sample ID:	UST45/5941 - MW05
Date:	8/7/16	Well Condition:	good
Weather:	90		

ALL DEPTHS ARE TO BE COLLECTED FROM THE TOP OF THE CASING.

Protective Casing Diameter (inch):	N/A	Water Column (feet):	12.20
Inner Casing Diameter (inch):	2" (0.163)	Casing Volume (gal):	1.98
		Purge/Sample Method:	Low Flow Method
Depth to Product from TOC (feet):	N/A	Start Purge Date/Time:	1245
Initial Depth to Water from TOC (feet):	7.45	Total Volume Purged (gal):	5
Product Thickness (feet):	N/A	Sample Time/Date	1355
Total Depth from TOC (feet):	19.65	Sampler Name:	TB

Time	Rate (ml/min) 200-500ml	Cumulative Gallons Purged	pH	Conductivity ms/cm	Temp (°C)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mv)	Comments
1341	200	2	6.47	0.469	23.56	1.61	45	75.0	* Heavy debris
1344			6.47	0.471	23.89	1.57	19	71.9	in bottom of
1347			6.48	0.472	23.32	1.55	14	70.0	well -
1350			6.48	0.472	23.31	1.60	7.2	66.8	needs re-Developed

PURGING AND BAILING GROUNDWATER SAMPLING FORM
MCB Camp LeJeune and New River MCAS

Project Number:	NV015	Well ID:	MW06
Project Name:	Bldg 45	Sample ID:	US45/5941-MW0
Date:	8/9/06	Well Condition:	good
Weather:	upper 80's		

ALL DEPTHS ARE TO BE COLLECTED FROM THE TOP OF THE CASING.

Protective Casing Diameter (inch):	N/A	Water Column (feet):	30.97
Inner Casing Diameter (inch):	2" (0.163)	Casing Volume (gal):	5.04
		Purge/Sample Method:	Low Flow Method
Depth to Product from TOC (feet):	N/A	Start Purge Date/Time:	13.11
Initial Depth to Water from TOC (feet):	17.25	Total Volume Purged (gal):	8
Product Thickness (feet):	N/A	Sample Time/Date	15.20
Total Depth from TOC (feet):	48.22	Sampler Name:	TE

Time	Rate (ml/min) 200-500ml	Cumulative Gallons Purged	pH	Conductivity ms/cm	Temp (°C)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mv)	Comments
1454	200 M	6	6.14	0.158	20.74	0.01	6.3	-24.7	
1457			6.14	0.158	20.76	0.02	1.6	-24.8	
1500			6.14	0.135	20.78	0.01	1.7	-24.6	
1503			6.14	0.138	20.79	0.03	1.3	-24.3	

PURGING AND BAILING GROUNDWATER SAMPLING FORM
MCB Camp LeJeune and New River MCAS

Project Number:	NV015	Well ID:	MW08
Project Name:	Bldg 45	Sample ID:	UST 45/5941 - MW08
Date:	8/7/06	Well Condition:	good
Weather:	90		

ALL DEPTHS ARE TO BE COLLECTED FROM THE TOP OF THE CASING.

Protective Casing Diameter (inch):	N/A	Water Column (feet):	13.85
Inner Casing Diameter (inch):	2" (0.163)	Casing Volume (gal):	2.25
		Purge/Sample Method:	Low Flow Method
Depth to Product from TOC (feet):	N/A	Start Purge Date/Time:	1408
Initial Depth to Water from TOC (feet):	5.32	Total Volume Purged (gal):	5
Product Thickness (feet):	N/A	Sample Time/Date	1520
Total Depth from TOC (feet):	19.17	Sampler Name:	JG

Time	Rate (ml/min) 200-500ml	Cumulative Gallons Purged	pH	Conductivity ms/cm	Temp (°C)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mv)	Comments
1500	200	3	6.28	0.345	25.07	0.65	5.5	32.9	
1503			6.28	0.344	25.10	0.61	3.9	33.0	
1506			6.28	0.343	25.07	2.54	2.9	32.2	
1509			6.28	0.344	25.03	0.46	2.9	30.4	
1512			6.28	0.345	25.01	0.48	2.8	30.2	

PURGING AND BAILING GROUNDWATER SAMPLING FORM
MCB Camp LeJeune and New River MCAS

Project Number:	NV015	Well ID:	MW09
Project Name:	Bldg 45	Sample ID:	UST45/5941-MW
Date:	8/9/06	Well Condition:	Good
Weather:	upper 80's		

ALL DEPTHS ARE TO BE COLLECTED FROM THE TOP OF THE CASING.

Protective Casing Diameter (inch):	N/A	Water Column (feet):	31.36
Inner Casing Diameter (inch):	2" (0.163)	Casing Volume (gal):	5.11
		Purge/Sample Method:	Low Flow Method
Depth to Product from TOC (feet):	N/A	Start Purge Date/Time:	1207
Initial Depth to Water from TOC (feet):	16.81	Total Volume Purged (gal):	8
Product Thickness (feet):	N/A	Sample Time/Date	1355
Total Depth from TOC (feet):	48.17	Sampler Name:	JE

Time	Rate (ml/min) 200-500ml	Cumulative Gallons Purged	pH	Conductivity ms/cm	Temp (°C)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mv)	Comments
1335	~~200~~ 320	6	4.25	2.992	21.31	0.25	19	92.5	*Purge water
1338			4.25	2.999	21.65	1.35	17	92.1	very cloudy -
1341			4.26	3.001	21.49	0.59	15	90.1	
1344			4.26	3.006	21.47	0.39	17	87.6	High Cond.
1347			4.25	3.010	21.48	0.34	17	87.2	D.O. not stabil

* Duplicate Sample on MW09

PURGING AND BAILING GROUNDWATER SAMPLING FORM
MCB Camp LeJeune and New River MCAS

Project Number:	NV015	Well ID:	MW12
Project Name:	Bldg 45	Sample ID:	UST 45/SPILL-MW12
Date:	8/8/01	Well Condition:	good
Weather:	90's		

ALL DEPTHS ARE TO BE COLLECTED FROM THE TOP OF THE CASING.

Protective Casing Diameter (inch):	N/A	Water Column (feet):	11.13
Inner Casing Diameter (inch):	2" (0.163)	Casing Volume (gal):	1.81
		Purge/Sample Method:	Low Flow Method
Depth to Product from TOC (feet):	N/A	Start Purge Date/Time:	1105
Initial Depth to Water from TOC (feet):	4.22	Total Volume Purged (gal):	5
Product Thickness (feet):	N/A	Sample Time/Date	1215
Total Depth from TOC (feet):	15.35	Sampler Name:	JE

Time	Rate (ml/min) 200-500ml	Cumulative Gallons Purged	pH	Conductivity ms/cm	Temp (°C)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mv)	Comments
1201	200	~~2~~ 3	7.25	0.465	24.09	0.17	6.1	-119.3	Heavy debris
1204			7.26	0.463	24.22	0.15	3.2	-120.4	in well -
1207			7.25	0.462	24.12	0.13	3.0	-121.6	purged (5) gals
1210			7.25	0.461	24.12	0.13	3.2	-122.5	readings to
1213			7.25	0.460	24.12	0.13	3.1	-123.0	clear H20

PURGING AND BAILING GROUNDWATER SAMPLING FORM
MCB Camp LeJeune and New River MCAS

Project Number:	NV015	Well ID:	MW13
Project Name:	Bldg 45	Sample ID:	USTA5/5941-MW13
Date:	8/8/06	Well Condition:	good
Weather:	PC's		

ALL DEPTHS ARE TO BE COLLECTED FROM THE TOP OF THE CASING.

Protective Casing Diameter (inch):	N/A	Water Column (feet):	6.99
Inner Casing Diameter (inch):	2" (0.163)	Casing Volume (gal):	1.13
		Purge/Sample Method:	Low Flow Method
Depth to Product from TOC (feet):	N/A	Start Purge Date/Time:	1240
Initial Depth to Water from TOC (feet):	5.19	Total Volume Purged (gal):	3
Product Thickness (feet):	N/A	Sample Time/Date	1310
Total Depth from TOC (feet):	12.18	Sampler Name:	TE

Time	Rate (ml/min) 200-500ml	Cumulative Gallons Purged	pH	Conductivity ms/cm	Temp (°C)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mv)	Comments
1254	200 ml	1.5	6.09	0.373	27.29	1.23	29	104.4	
257			6.09	0.371	27.24	1.23	3.5	105.7	
1300			6.10	0.369	27.21	1.22	1.5	106.6	
1303			6.10	0.367	27.22	1.20	1.1	107.1	
1306			6.10	0.366	27.24	1.20	0.09	107.8	

PURGING AND BAILING GROUNDWATER SAMPLING FORM
MCB Camp LeJeune and New River MCAS

Project Number:	NV015	Well ID:	MW14
Project Name:	Bldg 45	Sample ID:	UST45/SW11-MW14
Date:	8/9/06	Well Condition:	okay
Weather:	~~sunny~~ 80s		

ALL DEPTHS ARE TO BE COLLECTED FROM THE TOP OF THE CASING.

Protective Casing Diameter (inch):	N/A	Water Column (feet):	7.72
Inner Casing Diameter (inch):	2" (0.163)	Casing Volume (gal):	1.25
		Purge/Sample Method:	Low Flow Method
Depth to Product from TOC (feet):	N/A	Start Purge Date/Time:	0759
Initial Depth to Water from TOC (feet):	~~N/A~~ 8.40	Total Volume Purged (gal):	4
Product Thickness (feet):	N/A	Sample Time/Date	0850
Total Depth from TOC (feet):	16.12	Sampler Name:	TE

Time	Rate (ml/min) 200-500ml	Cumulative Gallons Purged	pH	Conductivity ms/cm	Temp (°C)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mv)	Comments
0827	200 ml	2	7.31	0.355	24.66	1.72	0.00	130.4	
0830			7.37	0.356	24.60	1.80	0.00	126.5	
0833			7.38	0.356	24.56	1.80	0.00	125.3	
0836			7.40	0.356	24.58	1.85	0.00	124.3	
0839			7.42	0.355	24.57	1.90	0.00	123.1	

PURGING AND BAILING GROUNDWATER SAMPLING FORM
MCB Camp LeJeune and New River MCAS

Project Number:	NV015	Well ID:	MW15
Project Name:	Bldg 45	Sample ID:	USTHG/5941-MW15
Date:	8/8/06	Well Condition:	good
Weather:	90's		

ALL DEPTHS ARE TO BE COLLECTED FROM THE TOP OF THE CASING.

Protective Casing Diameter (inch):	N/A	Water Column (feet):	7.42
Inner Casing Diameter (inch):	2" (0.163)	Casing Volume (gal):	1.20
		Purge/Sample Method:	Low Flow Method
Depth to Product from TOC (feet):	N/A	Start Purge Date/Time:	1320
Initial Depth to Water from TOC (feet):	8.48	Total Volume Purged (gal):	3
Product Thickness (feet):	N/A	Sample Time/Date	1405
Total Depth from TOC (feet):	15.90	Sampler Name:	TR

Time	Rate (ml/min) 200-500ml	Cumulative Gallons Purged	pH	Conductivity ms/cm	Temp (°C)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mv)	Comments
1350	200 NW	2	6.08	0.231	23.98	0.21	5.3	65.4	
1353			6.09	0.231	24.08	0.20	5.2	64.9	
1356			6.10	0.231	24.09	0.22	5.0	64.8	
1359			6.10	0.231	24.11	0.21	4.7	64.7	

PURGING AND BAILING GROUNDWATER SAMPLING FORM
MCB Camp LeJeune and New River MCAS

Project Number:	NV015	Well ID:	MW17
Project Name:	Bldg 45	Sample ID:	USTHS/5941-MW17
Date:	8/7/26	Well Condition:	clear
Weather:	90		

ALL DEPTHS ARE TO BE COLLECTED FROM THE TOP OF THE CASING.

Protective Casing Diameter (inch):	N/A	Water Column (feet):	9.36
Inner Casing Diameter (inch):	2" (0.163)	Casing Volume (gal):	1.52
		Purge/Sample Method:	Low Flow Method
Depth to Product from TOC (feet):	N/A	Start Purge Date/Time:	12.21
Initial Depth to Water from TOC (feet):	5.36	Total Volume Purged (gal):	3
Product Thickness (feet):	N/A	Sample Time/Date	1315
Total Depth from TOC (feet):	14.70	Sampler Name:	TB

Time	Rate (ml/min) 200-500ml	Cumulative Gallons Purged	pH	Conductivity ms/cm	Temp (°C)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mv)	Comments
1256	200	2	6.27	0.315	25.58	1.10	0.50	130.7	
1259			6.27	0.315	25.41	1.09	2.45	131.4	
1302			6.29	0.315	25.51	0.94	0.40	133.1	
1305			6.29	0.314	25.26	0.93	0.25	134.4	
1308			6.30	0.314	25.17	0.81	0.15	134.9	
1311			6.30	0.313	25.18	0.95	0.20	135.9	

PURGING AND BAILING GROUNDWATER SAMPLING FORM
MCB Camp LeJeune and New River MCAS

Project Number:	NV015	Well ID:	MW8
Project Name:	Bldg 45	Sample ID:	USUS/5941-MW8
Date:	8/8/12	Well Condition:	okay
Weather:	90's		

ALL DEPTHS ARE TO BE COLLECTED FROM THE TOP OF THE CASING.

Protective Casing Diameter (inch):	N/A	Water Column (feet):	9.18
Inner Casing Diameter (inch):	2" (0.163)	Casing Volume (gal):	1.49
		Purge/Sample Method:	Low Flow Method
Depth to Product from TOC (feet):	N/A	Start Purge Date/Time:	1044
Initial Depth to Water from TOC (feet):	6.20	Total Volume Purged (gal):	5
Product Thickness (feet):	N/A	Sample Time/Date	1155
Total Depth from TOC (feet):	15.88	Sampler Name:	JE

20 V

Time	Rate (ml/min) 200-500ml	Cumulative Gallons Purged	pH	Conductivity ms/cm	Temp (°C)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mv)	Comments
1134	200 ml	2.3	6.37	0.364	24.96	0.17	65	-48.1	Heavy debris
1137	300		6.43	0.365	24.91	0.31	45	-44.2	in 1st gal
1140			6.45	0.363	24.82	0.13	24	-51.6	of purge -
1143			6.45	0.363	24.89	0.11	27	-52.5	
1146			6.46	0.365	24.94	0.09	24	-54.8	Turbidity was
1149			6.46	0.365	24.92	0.08	18	-55.2	600 NTU's @
1152			6.47	0.364	24.95	0.10	19	-55.9	purged additional
									water to clear
									debris -
									Need to re-
									Develop well

PURGING AND BAILING GROUNDWATER SAMPLING FORM
MCB Camp LeJeune and New River MCAS

Project Number:	NV015	Well ID:	MW19
Project Name:	Bldg 45	Sample ID:	05T45/5941-MW19
Date:	8/7/06	Well Condition:	Good
Weather:	90's		

ALL DEPTHS ARE TO BE COLLECTED FROM THE TOP OF THE CASING.

Protective Casing Diameter (inch):	N/A	Water Column (feet):	11.89
Inner Casing Diameter (inch):	2" (0.163)	Casing Volume (gal):	1.98
		Purge/Sample Method:	Low Flow Method
Depth to Product from TOC (feet):	N/A	Start Purge Date/Time:	1558
Initial Depth to Water from TOC (feet):	5.22	Total Volume Purged (gal):	3
Product Thickness (feet):	N/A	Sample Time/Date	1655
Total Depth from TOC (feet):	17.11	Sampler Name:	

Time	Rate (ml/min) 200-500ml	Cumulative Gallons Purged	pH	Conductivity ms/cm	Temp (°C)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mv)	Comments
1637	200	2	6.07	0.314	25.10	0.45	0.40	-33.3	
1640			6.07	0.315	25.11	0.46	0.47	-35.8	
1643			6.07	0.314	25.13	0.45	1.00	-35.1	
1647			6.07	0.315	25.10	0.45	1.07	-36.2	

PURGING AND BAILING GROUNDWATER SAMPLING FORM
MCB Camp LeJeune and New River MCAS

Project Number:	NV015	Well ID:	MW20
Project Name:	Bldg 45	Sample ID:	UST45/SW41-MW20
Date:	8/7/16	Well Condition:	good
Weather:	90's		

ALL DEPTHS ARE TO BE COLLECTED FROM THE TOP OF THE CASING.

Protective Casing Diameter (inch):	N/A	Water Column (feet):	10.95
Inner Casing Diameter (inch):	2" (0.163)	Casing Volume (gal):	1.78
		Purge/Sample Method:	Low Flow Method
Depth to Product from TOC (feet):	N/A	Start Purge Date/Time:	1555
Initial Depth to Water from TOC (feet):	4.73	Total Volume Purged (gal):	3
Product Thickness (feet):	N/A	Sample Time/Date	1624
Total Depth from TOC (feet):	15.68	Sampler Name:	TE

Time	Rate (ml/min) 200-500ml	Cumulative Gallons Purged	pH	Conductivity ms/cm	Temp (°C)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mv)	Comments
1617	200	2	6.57	0.368	24.48	0.49	0.90	-66.6	
1620			6.57	0.366	24.45	0.50	0.95	-67.1	
1624			6.57	0.366	24.31	0.51	0.70	-67.5	
1627			6.57	0.366	24.34	0.52	0.75	-67.8	

PURGING AND BAILING GROUNDWATER SAMPLING FORM
MCB Camp LeJeune and New River MCAS

Project Number:	NV015	Well ID:	MW21
Project Name:	Bldg 45	Sample ID:	05545/SAH1-MW21
Date:	8/9/06	Well Condition:	okay
Weather:	8/15		

ALL DEPTHS ARE TO BE COLLECTED FROM THE TOP OF THE CASING.

Protective Casing Diameter (inch):	N/A	Water Column (feet):	35
Inner Casing Diameter (inch):	2" (0.163)	Casing Volume (gal):	5.70
		Purge/Sample Method:	Low Flow Method
Depth to Product from TOC (feet):	N/A	Start Purge Date/Time:	0815
Initial Depth to Water from TOC (feet):	13.92	Total Volume Purged (gal):	8
Product Thickness (feet):	ND	Sample Time/Date	1005
Total Depth from TOC (feet):	48.92	Sampler Name:	TE

Time	Rate (ml/min) 200-500ml	Cumulative Gallons Purged	pH	Conductivity ms/cm	Temp (°C)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mv)	Comments
0849	200-250	6	5.13	0.248	21.27	0.12	1.3	163.7	
0852			5.12	0.248	21.24	0.12	1.0	153.6	
0855			5.12	0.248	21.32	0.16	0.7	149.9	
0858			5.12	0.248	21.30	0.15	1.8	147.0	
1001			5.13	0.249	21.27	0.16	1.5	143.8	

PURGING AND BAILING GROUNDWATER SAMPLING FORM
MCB Camp LeJeune and New River MCAS

Project Number:	NV015	Well ID:	MW01/45
Project Name:	Bldg 45	Sample ID:	UST45/8941-MW01/45
Date:	8/9/06	Well Condition:	good
Weather:	80's		

ALL DEPTHS ARE TO BE COLLECTED FROM THE TOP OF THE CASING.

Protective Casing Diameter (inch):	N/A	Water Column (feet):	9.72
Inner Casing Diameter (inch):	4	Casing Volume (gal):	6.34
		Purge/Sample Method:	Low Flow Method
Depth to Product from TOC (feet):	N/A	Start Purge Date/Time:	1015
Initial Depth to Water from TOC (feet):	10.35	Total Volume Purged (gal):	8
Product Thickness (feet):	N/A	Sample Time/Date	1155
Total Depth from TOC (feet):	20.07	Sampler Name:	TB

Time	Rate (ml/min) 200-500ml	Cumulative Gallons Purged	pH	Conductivity ms/cm	Temp (°C)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mv)	Comments
1144	~~200~~ 300	7	7.13	0.764	23.07	1.47	3.2	95.0	Cond slightly
1147			7.14	0.764	23.11	1.42	3.4	94.8	high
1150			7.19	0.764	23.09	1.44	3.1	94.7	
1153			7.13	0.764	23.12	1.46	2.6	94.8	

PURGING AND BAILING GROUNDWATER SAMPLING FORM
MCB Camp LeJeune and New River MCAS

Project Number:	NV015	Well ID:	MW04/45
Project Name:	Bldg 45	Sample ID:	UST45/SA41-MW04/4
Date:	8/9/06	Well Condition:	Good
Weather:	38's		

ALL DEPTHS ARE TO BE COLLECTED FROM THE TOP OF THE CASING.

Protective Casing Diameter (inch):	N/A	Water Column (feet):	8.27
Inner Casing Diameter (inch):	2" (0.163)	Casing Volume (gal):	5.40
		Purge/Sample Method:	Low Flow Method
Depth to Product from TOC (feet):	N/A	Start Purge Date/Time:	0904
Initial Depth to Water from TOC (feet):	13.77	Total Volume Purged (gal):	8
Product Thickness (feet):	N/A	Sample Time/Date	1055
Total Depth from TOC (feet):	22.04	Sampler Name:	JE

Time	Rate (ml/min) 200-500ml	Cumulative Gallons Purged	pH	Conductivity ms/cm	Temp (°C)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mv)	Comments
1033	~~200~~	6	6.96	0.562	23.04	2.72	0.85	102.2	
1036	300		6.97	0.564	23.15	2.73	0.55	102.0	
1039			6.98	0.565	23.07	2.73	0.50	102.4	
1042			6.99	0.563	22.82	2.76	0.35	102.4	
1045			6.99	0.557	22.88	2.81	0.30	102.8	
1048			6.99	0.559	23.22	2.82	0.15	103.1	

GROUNDWATER MONITORING WELL GAUGING DATA
MCB Camp LeJeune and New River MCAS

Date: 1-Sep-06
Site: **Bldg 45**
Gauged By: TE

Well ID	DTB From TOC Installed	DTB From TOC Measured	Time of Gauging	DTW From TOC	Depth to LNAPL	LNAPL THICKNESS	COMMENTS
UST45/S941-MW01/45		20.07	0824	10.38			
UST45/S941-MW04/45		22.04	0819	13.83			
UST45/S941-PW01R		18.00	0837	6.31			
UST45/S941-MW02R		14.51	0835	4.83			
UST45/S941-MW03R		17.80	0834	5.92			
UST45/S941-MW04		21.93	0829 0834	6.10			
UST45/S941-MW05		19.65	0802	6.79			
UST45/S941-MW06		48.22	0824	16.90			
UST45/S941-MW07		23.11	0807	3.92			
UST45/S941-MW08		19.17	0805	4.72			
UST45/S941-MW09		48.17	0807	16.60			
UST45/S941-MW12		15.35	0828	3.50			
UST45/S941-MW13		12.18	0826	4.94			
UST45/S941-MW14		16.12	0815	8.58			
UST45/S941-MW15		15.90	0822	8.45			
UST45/S941-MW17		14.70	0855	5.24			
UST45/S941-MW18		15.38	0841	5.36			
UST45/S941-MW19		17.11	0832	4.03			
UST45/S941-MW20		15.68	0809	3.89			
UST45/S941-MW21		48.92	0817	13.75			

GROUNDWATER MONITORING WELL GAUGING DATA
MCB Camp LeJeune and New River MCAS

Date: 10/2/06
Site: Bldg 45
Gauged By: TE

Well ID	DTB From TOC: Installed	DTB From TOC: Measured	Time of Gauging	DTW From TOC	Depth to LNAPL	LNAPL THICKNESS	COMMENTS
UST45/S941-MW01/45		20.07	1400	10.47			
UST45/S941-MW04/45		22.04	1404	13.75			
UST45/S941-PW01R		18.00	1340	7.37			
UST45/S941-MW02R		14.51	1347	5.90			
UST45/S941-MW03R		17.80	1346	7.00			
UST45/S941-MW04		21.93	1423	7.70			
UST45/S941-MW05		19.65	1338	8.00			
UST45/S941-MW06		48.22	1336	17.27			
UST45/S941-MW07		23.11	1341	4.99			
UST45/S941-MW08		19.17	1337	5.72			
UST45/S941-MW09		48.17	1341	16.82			
UST45/S941-MW12		15.35	1421	4.70			
UST45/S941-MW13		12.18	1353	5.66			
UST45/S941-MW14		16.12	1355	8.66			
UST45/S941-MW15		15.90	1358	8.25			
UST45/S941-MW17		14.70	1339	5.95			
UST45/S941-MW18		15.38	1351	6.65			
UST45/S941-MW19		17.11	1345	5.50			
UST45/S941-MW20		15.68	1344	5.08			
UST45/S941-MW21		48.92	1357	13.76			

GROUNDWATER MONITORING WELL GAUGING DATA
MCB Camp LeJeune and New River MCAS

Date: 13-Nov-06
Site: **Bldg 45**
Gauged By: TE

Well ID	DTB From TOC Installed	DTB From TOC Measured	Time of Gauging	DTW From TOC	Depth to LNAPL	LNAPL THICKNESS	COMMENTS
UST45/S941-MW01/45		20.07	0817	10.72			
UST45/S941-MW04/45		22.04	0819	13.82 ~~10.73~~			
UST45/S941-PW01R		18.00	0814	6.23			
UST45/S941-MW02R		14.51	0812	4.93			
UST45/S941-MW03R		17.80	0815	6.09			
UST45/S941-MW04		21.93	0822	7.20			
UST45/S941-MW05		19.65	0825	7.40			
UST45/S941-MW06		48.22	0801	17.07			
UST45/S941-MW07		23.11	0803	3.98			
UST45/S941-MW08		19.17	0759	4.97			
UST45/S941-MW09		48.17	0804	16.61			
UST45/S941-MW12		15.35	0820	4.15			
UST45/S941-MW13		12.18 ~~12.50~~	0821	6:40 ~~5.96~~			DTB RAISED -
UST45/S941-MW14		16.12	0826	8.72			
UST45/S941-MW15		15.90	0830	8.73			
UST45/S941-MW17		14.70	0806	4.81			
UST45/S941-MW18		15.38	0811	5.96			
UST45/S941-MW19		17.11	0808	4.55			
UST45/S941-MW20		15.68	0809	4.02			
UST45/S941-MW21		48.92	0827	13.73			

PURGING AND BAILING GROUNDWATER SAMPLING FORM
MCB Camp LeJeune and New River MCAS

Project Number:	NVOIS	Well ID:	MW02R
Project Name:	Bldg 45	Sample ID:	LST45/5941-MW02R
Date:	11/14/06	Well Condition:	Good
Weather:	60's		

ALL DEPTHS ARE TO BE COLLECTED FROM THE TOP OF THE CASING.

Protective Casing Diameter (inch):	N/A	Water Column (feet):	9.58
Inner Casing Diameter (inch):	2" (0.163)	Casing Volume (gal):	1.56
		Purge/Sample Method:	Low Flow Method
Depth to Product from TOC (feet):	N/A	Start Purge Date/Time:	1223
Initial Depth to Water from TOC (feet):	4.93	Total Volume Purged (gal):	3
Product Thickness (feet):	N/A	Sample Time/Date	1258
Total Depth from TOC (feet):	14.51	Sampler Name:	TB

Time	Rate (ml/min) 200-500ml	Cumulative Gallons Purged	pH	Conductivity ms/cm	Temp (°C)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mv)	Comments
1245	200	2	7.17	0.703	21.78	1.54	0.00	-78.1	
1248			7.17	0.704	21.79	1.37	0.00	-78.4	
1251			7.18	0.703	21.81	1.36	0.00	-78.6	
1254			7.17	0.704	21.80	1.36	0.00	-78.7	

PURGING AND BAILING GROUNDWATER SAMPLING FORM
MCB Camp LeJeune and New River MCAS

Project Number: NW015
Project Name: Bldg 45
Date: 9/15/06
Weather: 60's ↑

Well ID: MW24
Sample ID: UST45/SW41-MW24
Well Condition: Good

ALL DEPTHS ARE TO BE COLLECTED FROM THE TOP OF THE CASING.

Protective Casing Diameter (inch): N/A
Inner Casing Diameter (inch): 2" (0.163)

Depth to Product from TOC (feet): N/A
Initial Depth to Water from TOC (feet): 7.20
Product Thickness (feet): N/A
Total Depth from TOC (feet): 21.93

Water Column (feet): 14.73
Casing Volume (gal): 2.40
Purge/Sample Method: Low Flow Method
Start Purge Date/Time: 1140
Total Volume Purged (gal): 4
Sample Time/Date 1245
Sampler Name: TB

Time	Rate (ml/min) 200-500ml	Cumulative Gallons Purged	pH	Conductivity ms/cm	Temp (°C)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mv)	Comments
1230	200	3	5.84	0.091	20.24	1.53	0.00	106.1	
1233			5.73	0.088	20.23	1.50	0.00	119.5	
1236			5.71	0.088	20.21	1.51	0.00	120.5	
1239			5.71	0.088	20.20	1.52	0.00	120.7	

PURGING AND BAILING GROUNDWATER SAMPLING FORM
MCB Camp LeJeune and New River MCAS

Project Number:	NVOIS	Well ID:	MW05
Project Name:	Bldg 45	Sample ID:	USTAS/5941-MW05
Date:	11/14/06	Well Condition:	good
Weather:	60's ↑		

ALL DEPTHS ARE TO BE COLLECTED FROM THE TOP OF THE CASING.

Protective Casing Diameter (inch):	N/A	Water Column (feet):	12.25
Inner Casing Diameter (inch):	2" (0.163)	Casing Volume (gal):	1.99
		Purge/Sample Method:	Low Flow Method
Depth to Product from TOC (feet):	N/A	Start Purge Date/Time:	1045
Initial Depth to Water from TOC (feet):	7.40	Total Volume Purged (gal):	4
Product Thickness (feet):	N/A	Sample Time/Date	1127
Total Depth from TOC (feet):	19.65	Sampler Name:	TE

Time	Rate (ml/min) 200-500ml	Cumulative Gallons Purged	pH	Conductivity ms/cm	Temp (°C)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mv)	Comments
1115	200	2 3	6.84	0.443	21.53	2.83	0.00	53.3	Heavy silt/debris in 1st vol
1118			6.86	0.443	21.55	2.58	0.00	43.1	
1121			6.86	0.443	21.53	2.57	0.00	41.6	pumped
1124			6.86	0.443	21.51	2.60	0.00	39.6	additional gal

PURGING AND BAILING GROUNDWATER SAMPLING FORM
MCB Camp LeJeune and New River MCAS

Project Number:	NV015	Well ID:	MW06
Project Name:	Bldg 45	Sample ID:	UST 45/5941 - MW06
Date:	11/13/06	Well Condition:	good
Weather:	50's		

ALL DEPTHS ARE TO BE COLLECTED FROM THE TOP OF THE CASING.

Protective Casing Diameter (inch):	N/A	Water Column (feet):	31.15
Inner Casing Diameter (inch):	2" (0.163)	Casing Volume (gal):	5.07
		Purge/Sample Method:	Low Flow Method
Depth to Product from TOC (feet):	N/A	Start Purge Date/Time:	0839
Initial Depth to Water from TOC (feet):	17.07	Total Volume Purged (gal):	7
Product Thickness (feet):	N/A	Sample Time/Date	1003
Total Depth from TOC (feet):	48.22	Sampler Name:	JE

Time	Rate (ml/min) 200-500ml	Cumulative Gallons Purged	pH	Conductivity ms/cm	Temp (°C)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mv)	Comments
0950	200	6	6.10	0.136	19.17	1.96	1.3	45.4	
0953			6.09	0.135	19.23	2.07	1.1	45.1	
0956			6.09	0.136	19.25	1.99	0.85	44.2	
0959			6.09	0.136	19.27	2.01	0.63	44.1	

PURGING AND BAILING GROUNDWATER SAMPLING FORM
MCB Camp LeJeune and New River MCAS

Project Number: NV015
Project Name: Bldg 45
Date: 11/13/06
Weather: 50's V

Well ID: MW07
Sample ID: UST3944/45-MW07
Well Condition: good

ALL DEPTHS ARE TO BE COLLECTED FROM THE TOP OF THE CASING.

Protective Casing Diameter (inch): N/A
Inner Casing Diameter (inch): 2" (0.163)

Depth to Product from TOC (feet): N/A
Initial Depth to Water from TOC (feet): 3.98
Product Thickness (feet): N/A
Total Depth from TOC (feet): 23.11

Water Column (feet): 19.13
Casing Volume (gal): 3.11
Purge/Sample Method: Low Flow Method
Start Purge Date/Time: 12.24
Total Volume Purged (gal): 4.5-5
Sample Time/Date 1320
Sampler Name: TE

Time	Rate (ml/min) 200-500ml	Cumulative Gallons Purged	pH	Conductivity ms/cm	Temp (°C)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mv)	Comments
1305	200	4	6.06	0.247	21.16	1.02	0.00	-42.8	
1308			6.00	0.247	21.23	0.78	0.00	-44.0	
1311			6.01	0.246	21.22	0.85	0.00	-44.8	
1314			6.02	0.246	21.22	0.81	0.00	-45.5	
1317			6.03	0.246	21.23	0.81	0.00	-46.1	

PURGING AND BAILING GROUNDWATER SAMPLING FORM
MCB Camp LeJeune and New River MCAS

Project Number: NV01
Project Name: BLDG 45
Date: 11/13/06
Weather: 50's

Well ID: MW08
Sample ID: UST~~2411~~/45 - MW08
Well Condition: good

ALL DEPTHS ARE TO BE COLLECTED FROM THE TOP OF THE CASING.

Protective Casing Diameter (inch): N/A
Inner Casing Diameter (inch): 2" (0.163)

Depth to Product from TOC (feet): N/A
Initial Depth to Water from TOC (feet): 4.97
Product Thickness (feet): N/A
Total Depth from TOC (feet): 19.17

Water Column (feet): 14.20
Casing Volume (gal): 2.31
Purge/Sample Method: Low Flow Method
Start Purge Date/Time: 0850
Total Volume Purged (gal): 4
Sample Time/Date 0922
Sampler Name: AC

Time	Rate (ml/min) 200-500ml	Cumulative Gallons Purged	pH	Conductivity ms/cm	Temp (°C)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mv)	Comments
0910	200	3	6.51	0.331	18.36	2.69	6.0	28.0	
0913			6.51	0.331	18.34	2.68	5.8	27.9	
0916			6.51	0.331	18.33	2.70	6.2	27.7	
0919			6.51	0.331	18.35	2.71	3.8	27.6	

PURGING AND BAILING GROUNDWATER SAMPLING FORM
MCB Camp LeJeune and New River MCAS

Project Number:	NVDIS	Well ID:	MW09
Project Name:	Bldg 45	Sample ID:	UST 5441/45 - MW09
Date:	11/13/06	Well Condition:	Good
Weather:	50's ↓		

ALL DEPTHS ARE TO BE COLLECTED FROM THE TOP OF THE CASING.

Protective Casing Diameter (inch):	N/A	Water Column (feet):	31.56
Inner Casing Diameter (inch):	2" (0.163)	Casing Volume (gal):	5.14
		Purge/Sample Method:	Low Flow Method
Depth to Product from TOC (feet):	N/A	Start Purge Date/Time:	1205
Initial Depth to Water from TOC (feet):	16.61	Total Volume Purged (gal):	7
Product Thickness (feet):	NA	Sample Time/Date	1355
Total Depth from TOC (feet):	48.17	Sampler Name:	TE

Time	Rate (ml/min) 200-500ml	Cumulative Gallons Purged	pH	Conductivity ms/cm	Temp (°C)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mv)	Comments
1340	200	6	4.34	2.651	20.10	1.40	0.00	93.1	Start f/pump
1343			4.34	2.656	20.10	1.38	0.00	92.9	inop —
1346			4.33	2.659	20.12	1.40	0.00	92.8	
1349			4.33	2.663	20.12	1.39	0.00	92.7	
1352			4.33	2.664	20.12	1.38	0.00	92.8	

* Duplicate Sample on MW09

PURGING AND BAILING GROUNDWATER SAMPLING FORM
MCB Camp LeJeune and New River MCAS

Project Number:	NV015	Well ID:	MW17
Project Name:	Bldg 45	Sample ID:	UST ~~0944~~/45 - MW17
Date:	11/13/06	Well Condition:	~~Good~~
Weather:	50's ↓		

ALL DEPTHS ARE TO BE COLLECTED FROM THE TOP OF THE CASING.

Protective Casing Diameter (inch):	N/A	Water Column (feet):	9.89
Inner Casing Diameter (inch):	2" (0.163)	Casing Volume (gal):	1.61
		Purge/Sample Method:	Low Flow Method
Depth to Product from TOC (feet):	N/A	Start Purge Date/Time:	1406
Initial Depth to Water from TOC (feet):	4.81	Total Volume Purged (gal):	3
Product Thickness (feet):	N/A	Sample Time/Date	1437
Total Depth from TOC (feet):	14.70	Sampler Name:	TE

Time	Rate (ml/min) 200-500ml	Cumulative Gallons Purged	pH	Conductivity ms/cm	Temp (°C)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mv)	Comments
1425	200	2	6.74	0.233	20.99	1.55	0.00	-12.2	
1428			6.75	0.232	20.98	1.54	0.00	-12.1	
1431			6.75	0.232	20.97	1.53	0.00	-12.0	
1434			6.75	0.232	20.97	1.51	0.00	-12.1	

PURGING AND BAILING GROUNDWATER SAMPLING FORM
MCB Camp LeJeune and New River MCAS

Project Number: NV015
Project Name: Bldg 45
Date: 11/13/06
Weather: 50's ↓

Well ID: MW9
Sample ID: UST ~~3044~~/45-MW19
Well Condition: good

ALL DEPTHS ARE TO BE COLLECTED FROM THE TOP OF THE CASING.

Protective Casing Diameter (inch): N/A
Inner Casing Diameter (inch): 2" (0.163)

Depth to Product from TOC (feet): N/A
Initial Depth to Water from TOC (feet): 4.55
Product Thickness (feet): N/A
Total Depth from TOC (feet): 17.11

Water Column (feet): 12.56
Casing Volume (gal): 2.04
Purge/Sample Method: Low Flow Method
Start Purge Date/Time: 1100
Total Volume Purged (gal): 4
Sample Time/Date: 1153
Sampler Name: TE

Time	Rate (ml/min) 200-500ml	Cumulative Gallons Purged	pH	Conductivity ms/cm	Temp (°C)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mv)	Comments
1144	200	3	6.36	0.388	19.21	2.42	0.00	1.7	
1144			6.37	0.358	19.21	2.21	0.00	0.8	
1147			6.39	0.358	19.21	2.19	0.00	0.1	
1150			6.39	0.358	19.22	2.18	0.00	0.0	

PURGING AND BAILING GROUNDWATER SAMPLING FORM
MCB Camp LeJeune and New River MCAS

Project Number:	NV015	Well ID:	MW20
Project Name:	BLDG 45	Sample ID:	UST ~~2114~~/45-MW20
Date:	11/13/06	Well Condition:	Good
Weather:	50's		

ALL DEPTHS ARE TO BE COLLECTED FROM THE TOP OF THE CASING.

Protective Casing Diameter (inch):	N/A	Water Column (feet):	11.66
Inner Casing Diameter (inch):	2" (0.163)	Casing Volume (gal):	1.90
		Purge/Sample Method:	Low Flow Method
Depth to Product from TOC (feet):	N/A	Start Purge Date/Time:	1150
Initial Depth to Water from TOC (feet):	4.02	Total Volume Purged (gal):	4
Product Thickness (feet):	N/A	Sample Time/Date	1230
Total Depth from TOC (feet):	15.68	Sampler Name:	JE

Time	Rate (ml/min) 200-500ml	Cumulative Gallons Purged	pH	Conductivity ms/cm	Temp (°C)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mv)	Comments
1210	200	2	6.79	0.232	20.57	1.26	0.63	-44.9	
1213			6.79	0.233	20.54	1.13	0.48	-45.2	
1216			6.79	0.233	20.52	1.18	0.20	-45.5	
1219			6.79	0.233	20.45	1.26	0.00	-45.6	
1222			6.78	0.233	20.43	1.32	0.00	-46.0	
1225			6.78	0.233	20.40	1.33	0.20	-46.1	

PURGING AND BAILING GROUNDWATER SAMPLING FORM
MCB Camp LeJeune and New River MCAS

Project Number: NV015
Project Name: Bldg 45
Date: 11/14/06
Weather: 60's

Well ID: MW21
Sample ID: UST45/SWH-MW21
Well Condition: good

ALL DEPTHS ARE TO BE COLLECTED FROM THE TOP OF THE CASING.

Protective Casing Diameter (inch): N/A
Inner Casing Diameter (inch): 2" (0.163)

Depth to Product from TOC (feet): N/A
Initial Depth to Water from TOC (feet): ~~8.77~~ 13.73
Product Thickness (feet): N/A
Total Depth from TOC (feet): ~~46.12~~ 48.92

Water Column (feet): 35.19
Casing Volume (gal): 5.73
Purge/Sample Method: Low Flow Method
Start Purge Date/Time: 1326
Total Volume Purged (gal): 8
Sample Time/Date 1512
Sampler Name: TG

Time	Rate (ml/min) 200-500ml	Cumulative Gallons Purged	pH	Conductivity ms/cm	Temp (°C)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mv)	Comments
1450	200	6	5.96	0.253	20.43	1.57	0.00	60.1	
1453			5.86	0.246	20.29	1.19	0.60	63.8	
1456	300ml		5.71	0.245	20.23	0.98	0.00	71.9	
1459			5.69	0.246	20.19	0.96	0.00	72.7	
1502			5.66	0.245	20.18	0.90	0.00	74.0	
1505			5.64	0.245	20.16	0.86	0.00	74.7	
1508			5.63	0.244	20.14	0.86	0.00	75.9	

PURGING AND BAILING GROUNDWATER SAMPLING FORM
MCB Camp LeJeune and New River MCAS

Project Number: NV015
Project Name: Bldg 45
Date: 11/13/06
Weather: 60's SN

Well ID: MW01/45
Sample ID: UST45/SW11-MW01/45
Well Condition: Good

ALL DEPTHS ARE TO BE COLLECTED FROM THE TOP OF THE CASING.

Protective Casing Diameter (inch): N/A
Inner Casing Diameter (inch): ~~2~~ ~~(0.163)~~

Depth to Product from TOC (feet): N/A
Initial Depth to Water from TOC (feet): 10.72
Product Thickness (feet): N/A
Total Depth from TOC (feet): 20.07

Water Column (feet): 9.35
Casing Volume (gal): 6.10
Purge/Sample Method: Low Flow Method
Start Purge Date/Time: ~~N/A~~ 0903
Total Volume Purged (gal): 8
Sample Time/Date 1110
Sampler Name: TG

Time	Rate (ml/min) 200-500ml	Cumulative Gallons Purged	pH	Conductivity ms/cm	Temp (°C)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mv)	Comments
1057	300	7	6.79	0.674	21.58	1.94	0.00	68.3	
1100			6.82	0.674	21.50	1.86	0.00	66.0	
1103			6.82	0.674	21.49	1.86	0.00	65.5	
1106			6.82	0.674	21.47	1.86	0.00	65.3	

PURGING AND BAILING GROUNDWATER SAMPLING FORM
MCB Camp LeJeune and New River MCAS

Project Number: NV015
Project Name: Bldg 45
Date: 11/14/06
Weather: 60's ↑

Well ID: MW04/45
Sample ID: USF45/3941-MW04/45
Well Condition: good

ALL DEPTHS ARE TO BE COLLECTED FROM THE TOP OF THE CASING.

Protective Casing Diameter (inch): N/A
Inner Casing Diameter (inch): 4" ~~(0.163)~~ 0.653

Depth to Product from TOC (feet): N/A
Initial Depth to Water from TOC (feet): 13.82
Product Thickness (feet): N/A
Total Depth from TOC (feet): 22.04

Water Column (feet): 8.22
Casing Volume (gal): 5.36
Purge/Sample Method: Low Flow Method
Start Purge Date/Time: 1309
Total Volume Purged (gal): 7
Sample Time/Date: 1440
Sampler Name: TG

Time	Rate (ml/min) 200-500ml	Cumulative Gallons Purged	pH	Conductivity ms/cm	Temp (°C)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mv)	Comments
1429	200	6	7.12	0.431	21.49	6.62	0.00	88.0	
1432			7.14	0.432	21.50	6.63	0.00	87.1	
1435			7.14	0.432	21.49	6.65	0.00	86.9	
1438			7.15	0.432	21.50	6.67	0.00	86.8	

PURGING AND BAILING GROUNDWATER SAMPLING FORM
MCB Camp LeJeune and New River MCAS

Project Number: NV015
Project Name: Bldg 45
Date: 11/14/06
Weather: 60's ↑

Well ID: PW01R
Sample ID: UST45/S941-~~MW~~PW01R
Well Condition: good

ALL DEPTHS ARE TO BE COLLECTED FROM THE TOP OF THE CASING.

Protective Casing Diameter (inch): N/A
Inner Casing Diameter (inch): 2" (0.163)

Depth to Product from TOC (feet): N/A
Initial Depth to Water from TOC (feet): 6.23
Product Thickness (feet): N/A
Total Depth from TOC (feet): 18.00

Water Column (feet): 11.77
Casing Volume (gal): 1.91
Purge/Sample Method: Low Flow Method
Start Purge Date/Time: 1138
Total Volume Purged (gal): 3
Sample Time/Date: 1220
Sampler Name: TE

Time	Rate (ml/min) 200-500ml	Cumulative Gallons Purged	pH	Conductivity ms/cm	Temp (°C)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mv)	Comments
1207	200	2	6.99	0.708	21.86	1.65	0.00	-90.9	
1210			6.99	0.707	21.87	1.59	0.00	-91.1	
1213			6.99	0.707	21.88	1.59	0.00	-91.4	
1216			6.99	0.708	21.87	1.59	0.00	-91.8	

GROUNDWATER MONITORING WELL GAUGING DATA
MCB Camp LeJeune and New River MCAS

Date: 12/7/06
Site: Bldg 45
Gauged By: TE

Well ID	DTB From TOC: Installed	DTB From TOC: Measured	Time of Gauging	DTW From TOC	Depth to LNAPL	LNAPL THICKNESS	COMMENTS
UST45/S941-MW01/45		20.07	1042	9.83			
UST45/S941-MW04/45		22.04	1047	12.95			
UST45/S941-PW01R		18.00	1027	5.92			
UST45/S941-MW02R		14.51	1026	4.41			
UST45/S941-MW03R		17.80	1029	5.55			
UST45/S941-MW04		21.93	1022	5.42			
UST45/S941-MW05		19.65	1036	6.52			
UST45/S941-MW06		48.22	1037	16.37			
UST45/S941-MW07		23.11	1032	3.62			
UST45/S941-MW08		19.17	1038	4.60			
UST45/S941-MW09		48.17	1033	15.90			
UST45/S941-MW12		15.35	1024	3.00			
UST45/S941-MW13		12.18	1100	5.77			
UST45/S941-MW14		16.12	1050	7.77			
UST45/S941-MW15		15.90	1043	7.75			
UST45/S941-MW17		14.70	1035	4.70			
UST45/S941-MW18		15.38	1101	5.25			
UST45/S941-MW19		17.11	1080	3.74			
UST45/S941-MW20		15.68	1031	3.60			
UST45/S941-MW21		48.92	1051	12.90			

GROUNDWATER MONITORING WELL GAUGING DATA
MCB Camp LeJeune and New River MCAS

Date: 1/5/07
Site: Bldg 45
Gauged By: [illegible]

Well ID	DTB From TOC		Time of Gauging	DTW From TOC	Depth to LNAPL	LNAPL THICKNESS	COMMENTS
	Installed	Measured					
UST45/S941-MW01/45		20.07	1020	9.60			
UST45/S941-MW04/45		22.04	1023	12.87			
UST45/S941-PW01R		18.00	0955	[illegible]			
UST45/S941-MW02R		14.51	1005	3.24			
UST45/S941-MW03R		17.80	0954	4.36			
UST45/S941-MW04		21.93	0951	4.60			
UST45/S941-MW05		19.65	1001	5.94			
UST45/S941-MW06		48.22	1000	16.10			
UST45/S941-MW07		23.11	0957	2.45			
UST45/S941-MW08		19.17	[illegible]	3.88			
UST45/S941-MW09		48.17	[illegible]	16.53			
UST45/S941-MW12		15.35	[illegible]	2.38			
UST45/S941-MW13		12.50	1011	5.13			
UST45/S941-MW14		16.12	1024	7.75			
UST45/S941-MW15		15.90	1021	7.77			
UST45/S941-MW17		14.70	1003	3.15			
UST45/S941-MW18		15.38	1006	4.15			
UST45/S941-MW19		17.11	0953	2.70			
UST45/S941-MW20		15.68	0958	2.42			
UST45/S941-MW21		48.92	1005	12.85			

GROUNDWATER MONITORING WELL GAUGING DATA
MCB Camp LeJeune and New River MCAS

Date: ~~1/[illegible]/07~~ 1/25/07
Site: Bldg 45
Gauged By: TE

Well ID	DTB From TOC Installed	DTB From TOC Measured	Time of Gauging	DTW From TOC	Depth to LNAPL	LNAPL THICKNESS	COMMENTS
UST45/S941-MW01/45		20.07	1108	9.20			Bldg 45 - *Changed to S/A gauging of only (5) wells - (Shallow) 13, 14, 15 MW01/45, MW04/45 Annual gauging of (3) wells (deep) MW09, 21, 22
UST45/S941-MW04/45		22.04	1110	13.12			
UST45/S941-PW01R		18.00					
UST45/S941-MW02R		14.51					
UST45/S941-MW03R		17.80					
UST45/S941-MW04		21.93					
UST45/S941-MW05		19.65					
UST45/S941-MW06		48.22					
UST45/S941-MW07		23.11					
UST45/S941-MW08		19.17					
UST45/S941-MW09		48.17	1100	16.21			
UST45/S941-MW12		15.35					
UST45/S941-MW13		12.65	1113	4.77			
UST45/S941-MW14		16.12	1104	7.82			
UST45/S941-MW15		15.90	1107	7.38			
UST45/S941-MW17		14.70					
UST45/S941-MW18		15.38					
UST45/S941-MW19		17.11					
UST45/S941-MW20		15.68					
UST45/S941-MW21		48.92	1109	13.10			

PURGING AND BAILING GROUNDWATER SAMPLING FORM
MCB Camp LeJeune and New River MCAS

Project Number:	NV015	Well ID:	MW09
Project Name:	Bldg 45	Sample ID:	UST45/S941- MW09
Date:	~~1/25/2007~~ 1/25/07	Well Condition:	good
Weather:	40's		

ALL DEPTHS ARE TO BE COLLECTED FROM THE TOP OF THE CASING.

Protective Casing Diameter (inch):	N/A	Water Column (feet):	32.16
Inner Casing Diameter (inch):	2" (0.163)	Casing Volume (gal):	5.24
		Purge/Sample Method:	Low Flow Method
Depth to Product from TOC (feet):	N/A	Start Purge Date/Time:	1100
Initial Depth to Water from TOC (feet):	16.01	Total Volume Purged (gal):	8
Product Thickness (feet):	N/A	Sample Time/Date	1230
Total Depth from TOC (feet):	48.17	Sampler Name:	TE

Time	Rate (ml/min) 200-500ml	Cumulative Gallons Purged	pH	Conductivity ms/cm	Temp (°C)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mv)	Comments
1203	200	6	4.59	2.089	18.75	8.05	8.01	126.4	High Cond.
1206			4.59	2.101	18.82	7.59	6.05	125.2	
1209			4.59	2.216	18.88	5.67	4.25	118.5	COND/DO
1212			4.58	2.956	19.01	6.15	6.70	113.4	[illegible] would not
1215			4.58	2.375	18.89	5.93	7.86	112.8	stabilize
1218			4.57	2.380	18.83	6.00	7.93	112.5	Sampled
1221			4.57	2.393	18.74	4.83	7.61	112.0	
1224			4.57	2.407	18.72	5.68	7.81	111.0	

* Duplicate sample on MW09.

PURGING AND BAILING GROUNDWATER SAMPLING FORM
MCB Camp LeJeune and New River MCAS

Project Number: NV015
Project Name: Bldg 45
Date: 1/26/05
Weather: 30's

Well ID: MW13
Sample ID: UST 45/5941 - MW13
Well Condition: Good

ALL DEPTHS ARE TO BE COLLECTED FROM THE TOP OF THE CASING.

Protective Casing Diameter (inch): N/A
Inner Casing Diameter (inch): 2" (0.163)

Depth to Product from TOC (feet): N/A
Initial Depth to Water from TOC (feet): 5.10
Product Thickness (feet): N/A
Total Depth from TOC (feet): 12.65

Water Column (feet): 7.55
Casing Volume (gal): 1.23
Purge/Sample Method: Low Flow Method
Start Purge Date/Time: 0930
Total Volume Purged (gal): 2.5-3
Sample Time/Date: 1005
Sampler Name: TE

Time	Rate (ml/min) 200-500ml	Cumulative Gallons Purged	pH	Conductivity ms/cm	Temp (°C)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mv)	Comments
0950	200	✓2	4.17	0.381	14.01	8.72	6.17	159.3	Water clear
0953			4.17	0.382	13.98	8.60	5.82	152.8	in 1st gal -
0956			4.17	0.381	14.00	5.54	6.93	152.5	pumped additional
0959			4.18	0.381	14.02	8.49	6.21	152.4	gal - prior to readings

PURGING AND BAILING GROUNDWATER SAMPLING FORM
MCB Camp LeJeune and New River MCAS

Project Number:	NV015	Well ID:	MW14
Project Name:	Bldg 45	Sample ID:	UST45/S941- MW14
Date:	~~[redacted]2007~~ 1/25/17	Well Condition:	Good
Weather:	40's		

ALL DEPTHS ARE TO BE COLLECTED FROM THE TOP OF THE CASING.

Protective Casing Diameter (inch):	N/A	Water Column (feet):	8.30
Inner Casing Diameter (inch):	2" (0.163)	Casing Volume (gal):	1.35
		Purge/Sample Method:	Low Flow Method
Depth to Product from TOC (feet):	N/A	Start Purge Date/Time:	1116
Initial Depth to Water from TOC (feet):	7.82	Total Volume Purged (gal):	~~4.5~~ 3
Product Thickness (feet):	N/A	Sample Time/Date	1152
Total Depth from TOC (feet):	16.12	Sampler Name:	TE

Time	Rate (ml/min) 200-500ml	Cumulative Gallons Purged	pH	Conductivity ms/cm	Temp (°C)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mv)	Comments
1140	200	2	4.64	0.490	15.81	17.80	7.27	111.9	
1143			4.63	0.491	15.79	17.79	7.58	111.5	
1146			4.63	0.491	15.78	17.79	7.23	111.6	
1149			4.63	0.491	15.80	17.77	7.80	111.4	

PURGING AND BAILING GROUNDWATER SAMPLING FORM
MCB Camp LeJeune and New River MCAS

Project Number:	NV015	Well ID:	MW15
Project Name:	Bldg 45	Sample ID:	UST45/S941- MW15
Date:	~~1/24/2007~~ 1/26/07	Well Condition:	Good
Weather:	40's		

ALL DEPTHS ARE TO BE COLLECTED FROM THE TOP OF THE CASING.

Protective Casing Diameter (inch):	N/A	Water Column (feet):	8.52
Inner Casing Diameter (inch):	2" (0.163)	Casing Volume (gal):	1.38
		Purge/Sample Method:	Low Flow Method
Depth to Product from TOC (feet):	N/A	Start Purge Date/Time:	1030
Initial Depth to Water from TOC (feet):	7.38	Total Volume Purged (gal):	2.5
Product Thickness (feet):	N/A	Sample Time/Date	1105
Total Depth from TOC (feet):	15.90	Sampler Name:	TE

Time	Rate (ml/min) 200-500ml	Cumulative Gallons Purged	pH	Conductivity ms/cm	Temp (°C)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mv)	Comments
1052	200	2	3.95	0.296	17.47	0.391	2.30	120.7	
1055			3.96	0.281	17.29	0.393	2.98	116.3	
1058			3.97	0.276	17.31	0.389	1.18	115.1	
~~1026~~ 1101			3.97	0.275	17.30	0.389	0.57	114.1	

PURGING AND BAILING GROUNDWATER SAMPLING FORM
MCB Camp LeJeune and New River MCAS

Project Number:	NV015	Well ID:	MW21
Project Name:	Bldg 45	Sample ID:	UST45/S941- MW21
Date:	~~1/25/2007~~ 1/25/07	Well Condition:	good
Weather:	40's		

ALL DEPTHS ARE TO BE COLLECTED FROM THE TOP OF THE CASING.

Protective Casing Diameter (inch):	N/A	Water Column (feet):	35.82
Inner Casing Diameter (inch):	2" (0.163)	Casing Volume (gal):	5.8
		Purge/Sample Method:	Low Flow Method
Depth to Product from TOC (feet):	N/A	Start Purge Date/Time:	1154
Initial Depth to Water from TOC (feet):	13.10	Total Volume Purged (gal):	7-8
Product Thickness (feet):	N/A	Sample Time/Date	1320
Total Depth from TOC (feet):	48.92	Sampler Name:	TE

Time	Rate (ml/min) 200-500ml	Cumulative Gallons Purged	pH	Conductivity ms/cm	Temp (°C)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mv)	Comments
1259	200	6	4.36	0.333	18.56	9.95	8.58	122.3	
1302			4.34	0.303	18.46	6.14	4.74	113.8	
1305			4.33	0.278	18.43	5.91	4.73	111.9	
1308			4.32	0.257	18.46	5.75	7.63	110.8	
1311			4.31	0.239	18.47	5.40	8.16	108.0	
1313			4.31	0.238	18.44	5.38	7.81	107.8	
1316			4.30	0.238	18.41	5.29	7.66	107.5	

PURGING AND BAILING GROUNDWATER SAMPLING FORM
MCB Camp LeJeune and New River MCAS

Project Number:	NV015	Well ID:	MW01/45
Project Name:	Bldg 45	Sample ID:	UST45/S941-MW01/45
Date:	~~1/24/2007~~ 1/24/07	Well Condition:	good
Weather:	30's		

ALL DEPTHS ARE TO BE COLLECTED FROM THE TOP OF THE CASING.

Protective Casing Diameter (inch):	N/A	Water Column (feet):	10.87
Inner Casing Diameter (inch):	4" (0.653)	Casing Volume (gal):	7.09
		Purge/Sample Method:	Low Flow Method
Depth to Product from TOC (feet):	N/A	Start Purge Date/Time:	1024
Initial Depth to Water from TOC (feet):	9.20	Total Volume Purged (gal):	8
Product Thickness (feet):	N/A	Sample Time/Date	1200
Total Depth from TOC (feet):	20.07	Sampler Name:	TS

Time	Rate (ml/min) 200-500ml	Cumulative Gallons Purged	pH	Conductivity ms/cm	Temp (°C)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mv)	Comments
1145	200	7	4.07	0.773	17.30	4.02	5.05	79.2	
1148			4.07	.774	17.21	3.94	5.29	79.0	
1151			4.07	0.773	17.22	4.01	5.72	78.8	
1154			4.07	0.772	17.24	3.98	5.82	78.9	

PURGING AND BAILING GROUNDWATER SAMPLING FORM
MCB Camp LeJeune and New River MCAS

Project Number:	NV015	Well ID:	MW04/45
Project Name:	Bldg 45	Sample ID:	UST45/S941-MW04/45
Date:	1[illegible]/2007 (1/25/07)	Well Condition:	Good
Weather:	40's		

ALL DEPTHS ARE TO BE COLLECTED FROM THE TOP OF THE CASING.

Protective Casing Diameter (inch):	N/A	Water Column (feet):	8.92
Inner Casing Diameter (inch):	4" (0.653)	Casing Volume (gal):	5.82
		Purge/Sample Method:	Low Flow Method
Depth to Product from TOC (feet):	N/A	Start Purge Date/Time:	1335
Initial Depth to Water from TOC (feet):	13.12	Total Volume Purged (gal):	7
Product Thickness (feet):	N/A	Sample Time/Date	1450
Total Depth from TOC (feet):	22.04	Sampler Name:	TO

Time	Rate (ml/min) 200-500ml	Cumulative Gallons Purged	pH	Conductivity ms/cm	Temp (°C)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mv)	Comments
1445	200	6	4.08	0.332	18.27	12.33	6.34	54.2	
1448			4.08	0.331	18.29	12.30	6.07	54.4	
1451			4.09	0.329	18.14	12.16	5.89	55.0	
1454			4.10	0.328	18.12	11.92	6.27	56.6	

PURGING AND BAILING GROUNDWATER SAMPLING FORM
MCB Camp LeJeune and New River MCAS

Project Number:	NV015	Well ID:	MW09
Project Name:	Bldg 45	Sample ID:	UST 45/S941 - MW09
Date:	2/1/07	Well Condition:	good
Weather:	30's/RAIN		

ALL DEPTHS ARE TO BE COLLECTED FROM THE TOP OF THE CASING.

Protective Casing Diameter (inch):	N/A	Water Column (feet):	32.07
Inner Casing Diameter (inch):	2"	Casing Volume (gal):	5.22
		Purge/Sample Method:	Low Flow Method
Depth to Product from TOC (feet):	N/A	Start Purge Date/Time:	0813
Initial Depth to Water from TOC (feet):	16.10	Total Volume Purged (gal):	7
Product Thickness (feet):	N/A	Sample Time/Date	1042
Total Depth from TOC (feet):	48.17	Sampler Name:	TE

Time	Rate (ml/min) 200-500ml	Cumulative Gallons Purged	pH	Conductivity ms/cm	Temp (°C)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mv)	Comments
1030	200	6	INOP	1.110	17.09	5.61	6.98	132.4	
1033				1.114	17.15	5.88	7.59	131.7	
1036				1.117	17.16	5.87	8.03	131.1	
1039				1.120	17.17	6.05	8.13	130.8	

* Duplicate sample on MW09.

Resample for lead only.

PURGING AND BAILING GROUNDWATER SAMPLING FORM
MCB Camp LeJeune and New River MCAS

Project Number:	NV015	Well ID:	MW14
Project Name:	Bldg 45	Sample ID:	UST 45/3941 - MW14
Date:	2/11/07	Well Condition:	good
Weather:	30's / RAIN		

ALL DEPTHS ARE TO BE COLLECTED FROM THE TOP OF THE CASING.

Protective Casing Diameter (inch):	N/A	Water Column (feet):	8.11
Inner Casing Diameter (inch):	2"	Casing Volume (gal):	1.32
		Purge/Sample Method:	Low Flow Method
Depth to Product from TOC (feet):	N/A	Start Purge Date/Time:	1000
Initial Depth to Water from TOC (feet):	8.01	Total Volume Purged (gal):	2.5
Product Thickness (feet):	N/A	Sample Time/Date	1029
Total Depth from TOC (feet):	16.12	Sampler Name:	TE

Time	Rate (ml/min) 200-500ml	Cumulative Gallons Purged	pH	Conductivity ms/cm	Temp (°C)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mv)	Comments
1017	200	1.5-2	INOP	0.509	14.35	14.87	7.93	108.4	
1020				0.509	14.34	15.03	7.85	107.9	
1023				0.511	14.30	14.99	7.77	107.7	
1027				0.511	14.27	14.96	7.81	107.4	

PURGING AND BAILING GROUNDWATER SAMPLING FORM
MCB Camp LeJeune and New River MCAS

Project Number:	NV015	Well ID:	MW04/45
Project Name:	Bldg 45	Sample ID:	UST45/S941-MW04/45
Date:	2/1/07	Well Condition:	good
Weather:	30's / Rain		

ALL DEPTHS ARE TO BE COLLECTED FROM THE TOP OF THE CASING.

Protective Casing Diameter (inch):	N/A	Water Column (feet):	8.67
Inner Casing Diameter (inch):	4" (0.653)	Casing Volume (gal):	5.66
		Purge/Sample Method:	Low Flow Method
Depth to Product from TOC (feet):	N/A	Start Purge Date/Time:	0746
Initial Depth to Water from TOC (feet):	13.37	Total Volume Purged (gal):	7
Product Thickness (feet):	N/A	Sample Time/Date	0951
Total Depth from TOC (feet):	22.04	Sampler Name:	TE

Time	Rate (ml/min) 200-500ml	Cumulative Gallons Purged	pH	Conductivity ms/cm	Temp (°C)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mv)	Comments
0746	300	6	INDP	0.294	16.41	20.65	6.70	181.7	
0949			INDP	0.290	16.33	19.79	6.69	181.4	
0952			INDP	0.287	16.31	20.54	7.16	181.6	
0955			INDP	0.288	16.29	21.44	7.15	181.8	

* Resampled 300ml only (Lead)

PURGING AND BAILING GROUNDWATER SAMPLING FORM
MCB Camp LeJeune and New River MCAS

Project Number:	NV015	Well ID:	MW21
Project Name:	Bldg 45	Sample ID:	UST45/5941 - MW21
Date:	2/2/07	Well Condition:	Good
Weather:	30's/Rain		

ALL DEPTHS ARE TO BE COLLECTED FROM THE TOP OF THE CASING.

Protective Casing Diameter (inch):	N/A	Water Column (feet):	35.65
Inner Casing Diameter (inch):	2"	Casing Volume (gal):	5.81
		Purge/Sample Method:	Low Flow Method
Depth to Product from TOC (feet):	N/A	Start Purge Date/Time:	0830
Initial Depth to Water from TOC (feet):	13.27	Total Volume Purged (gal):	7
Product Thickness (feet):	N/A	Sample Time/Date	1015
Total Depth from TOC (feet):	48.92	Sampler Name:	TE

Time	Rate (ml/min) 200-500ml	Cumulative Gallons Purged	pH	Conductivity ms/cm	Temp (°C)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mv)	Comments
1002	200	6	INop	0.239	16.65	7.85	8.23	166.2	
1005				0.238	16.69	7.49	8.38	165.4	
1008				0.238	16.71	7.64	7.99	164.9	
1011				0.237	16.74	7.56	7.88	163.3	
				0.236	16.76	7.60	7.62	162.9	