

SOIL AND GROUNDWATER INVESTIGATION SUMMARY REPORT

BUILDING LCH-4015

NCDENR Incident Number: 85352
Marine Corps Base
Camp Lejeune, North Carolina

22 October 2007

Prepared for:



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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
2L GWQS	Underground Storage Tank Section (Effective July 1, 2001)
AS	NCAC T15A:02L Groundwater Quality Standards
AST	Air Sparge
BDL	Aboveground Storage Tank
BN	Below Detection Limit
BNA	Base/Neutral (extractables)
BQL	Base/Neutral/Acid (extractables)
BLS	Below Quantitation Limit
BTEX	Below Land Surface
CAP	Benzene, Toluene, Ethylbenzene, Xylenes
CFR	Corrective Action Plan
Cr	Code of Federal Regulations
CSA	Chromium
DIPE	Comprehensive Site Assessment
DO	Di-isopropyl Ether
DOD	Dissolved Oxygen
DPT	Department of Defense
DWQ	Direct Push Technology
DWM	Division of Water Quality
DTW	Division of Waste Management
EDB	Depth to Water
EMD	Ethylene di-bromide
EPA	Environmental Management Division
EPH	Environmental Protection Agency
EQB	Extractable Petroleum Hydrocarbons
Fe	Environmental Quality Branch
FID	Iron
FT	Flame Ionization Detector
GCL	Feet
GIS	Gross Contaminant Level
GPS	Geographic Information System
Guidelines Vol. II	Global Positioning System
	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 site is located aboard MCB Camp Lejeune in Onslow County, North Carolina. The project site is located within the Midway Park Community Center area and consists of the community center building (LCH-4014), former fueling and maintenance area (LCH-4015, removed), Marine Corps Exchange Convenience Store (LCH-4034), and the former fuel tank farm. The site is located at the intersection of North Carolina Highway 24 and the Butler Drive entrance to Midway Park.

A former aboveground storage tank (AST) system began operation in 1945 at the site. The AST system consisted of two 14,000-gallon gasoline tanks that supplied fuel to four gasoline dispensers located on a pump island to the north of former Building LCH-4015, one 14,000-gallon diesel tank that supplied fuel to a dispenser located on the north side of Building LCH-4015, and one 3,000-gallon Number 2 fuel oil tank that supplied fuel oil to a boiler contained within Building LCH-4014. A number of smaller storage tanks were also located at the site. Fuel was distributed through a number of underground piping systems. In 1990, the ASTs at former Building LCH-4015 were emptied of product, and the three 14,000-gallon ASTs were removed and relocated for use at other locations on the base.

No measurable free product was identified during the 2006-2007 monitoring period. One volatile and two semi-volatile compounds were detected at the site above North Carolina Groundwater Quality Standards (NCGWQSs) during a July 2007 sampling event. Groundwater was analyzed in July 2007 for volatile organic compounds, semi-volatile organic compounds, and lead via EPA Methods 602 + xylenes, 625 + the 10 largest non-target peaks (to include 1 and 2-methylnaphthalene), and Standard Method 3030C, respectively.

The detected contaminants were benzene, bis (2-ethylhexyl) phthalate, and naphthalene. All other target analytes were below 2L standards. Exceedences were in shallow (MW01 and MW02) and intermediate (MW21 and MW23) monitoring wells.

Petroleum constituent concentrations, while above NCGWQSs, have decreased over time, indicating that operation of the biosparge/soil vapor extraction system benefited groundwater quality at the site. Sovereign recommended MCB Camp Lejeune to discontinue the AS/SVE system operation beginning in June 2007. This was completed in order to evaluate the site in a static condition, monitor the site groundwater for contaminant concentration level rebound, and make an informed decision on future remedial alternatives. The system was shut down in early June 2007. As scheduled, a groundwater sampling event was then conducted in July 2007. A letter was issued by the NCDENR on August 7, 2007 concerning the Sovereign 2007 Annual Groundwater Monitoring Report which stated the system was to be cut off temporarily in order to evaluate the site. The letter referenced soil and groundwater contaminant concentration levels above state action limits within the influence of the system's boundaries.

The August 2007 groundwater sampling event was canceled and a soil investigation was conducted instead to examine boring locations with historical exceedances of the state action levels of 10 mg/kg for TPH-GRO and 40 mg/kg for TPH-GRO. Three soil boring locations had exceedances of the state action limits: SB36A, 37A and 38A. Soil boring analysis indicates relatively shallow soil contamination (from the surface to less than 4 ft bgs). Therefore, it is recommended that the soil with contaminant concentrations above state action levels be excavated (proposed excavation area shown on Figure 3) and disposed of at a licensed disposal facility and replaced with clean backfill. That would eliminate any soil contamination within the influence of the AS/SVE system that remains in place with contaminant concentrations above state action levels.

Sovereign also recommends resuming sampling of the site groundwater for EPA Methods 602, 625 and 3030C for Lead. This could be done on a quarterly basis until all site wells have groundwater contaminant concentrations under the 2L NCGWQSs for four consecutive quarterly sampling events.

Finally, maintaining operation of the AS/SVE system should be a priority until further evaluation is made with regard to an approved alternative remedy. This alternative remedy should be formally amended into the CAP for this site before discontinuing operation of the current AS/SVE system. The system was reactivated on August 31, 2007 and has been routinely maintained since.

1.0 TITLE PAGE

DATE OF REPORT: 18 October 2007

Facility I.D.: N/A

NCDENR Incident Number: 85352

Site Name: LCH 4015

Site Location: Marine Corps Base Camp Lejeune, North Carolina

Nearest City/Town: Camp Lejeune County: Onslow

Property Owner: Commanding Officer – MCB Camp Lejeune

I&E/EMD/EQB

PSC Box 20004

Address: MCB Camp Lejeune, NC 28542-0004

Phone: (910) 451-5068

Tank 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 Oakmeads Crescent, Suite 1

Virginia Beach, VA 23462

Phone: (757) 456-5093

Release Information

Date Discovered: 1994

Estimated Quantity of Release: Unknown

Cause of Release: Leaking aboveground storage tank system

Source of Release (Piping/AST): AST

Sizes and contents of UST system(s) from which the release occurred: The former system was two 14,000-gallon gasoline aboveground storage tanks, one 14,000-gallon diesel oil aboveground storage tank, one 3,000-gallon No.2 fuel oil AST, a number of smaller tanks, and associated underground product piping.

I, Kevin P. Wheeler a Professional Geologist 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 a recent soil investigation and from recent groundwater gauging and sampling events at the LCH-4015 remediation site. This investigation was authorized in response to a letter from NCDENR issued on August 7, 2007. The letter stated that MCB Camp Lejeune was not authorized to shut the AS/SVE remediation system off with soil contamination present above state action levels at the site. NCDENR referenced a Catlin Engineers and Scientists (CATLIN) Report of Findings (ROF) for Soil and Free Phase Product dated December 2004 as the report that referenced site soil contamination was still present above state action levels.

The projects scope of work entailed collecting soil samples from nine boring locations using a direct push rig for analyses of TPH-DRO and TPH-GRO. In addition, the site's routine scope of work entailed gauging of 23 site monitoring wells (each are preceded by the prefix USTLCH4015) - MW01-MW24 (MW-17 cannot be located for monitoring). Groundwater samples were also collected from each well MW01-MW24. An analysis was completed for EPA Methods 602 + Xylenes, 625 + TICs and Lead. The results of the investigation are presented in this report.

3.0 SITE HISTORY

The site is located aboard MCB Camp Lejeune in Onslow County, North Carolina (Figure 1 and 2). The project site consists of the Community Center Building (LCH-4014), former fueling and maintenance area (LCH-4015, removed), Marine Corps Exchange Convenience Store (LCH-4034), and the former fuel tank farm. The site is located at the intersection of North Carolina Highway 24 and the Butler Drive entrance to Midway Park.

A former aboveground storage tank (AST) system began operation in 1945 at the site. The AST system consisted of two 14,000-gallon gasoline tanks that supplied fuel to four gasoline dispensers located on a pump island to the north of former Building LCH-4015, one 14,000-gallon diesel tank that supplied fuel to a dispenser located on the north side of Building LCH- 4015, and one 3,000-gallon Number 2 fuel oil tank that supplied fuel oil to a boiler contained within Building LCH-4014. A number of smaller storage tanks were also located at the site. Fuel was distributed through a number of underground product piping systems. In 1990, the ASTs at former Building LCH-4015 were emptied of product, and the three 14,000-gallon ASTs were removed and relocated for use at other locations on the base.

Site assessments were performed from 1994 – 1996 by R.E. Wright Associates, Inc., and Law Engineering and Environmental Services, Inc. Groundwater samples from the monitoring wells and soil samples in the vicinity of the former AST system contained evidence of petroleum impact exceeding North Carolina State standards.

In 1996, a corrective action plan (CAP) was prepared for the site by Law Engineering and Environmental Services, Inc. The CAP identified target clean-up levels for soil of 40 milligrams per kilogram (mg/kg) for Total Petroleum Hydrocarbons as Gasoline (TPH-GRO) and 160 mg/kg for Total Petroleum Hydrocarbons as Diesel (TPH-DRO), Groundwater target clean-up levels were set at the North Carolina Groundwater Quality Standards (NCGWQSs). The CAP recommended installation of a BS/SVE system for the remedial action at the site. The treatment system was constructed and began operation in November 1998.

Various remediation contractors have maintained and operated the site since 1998 including J.A. Jones Environmental Services, Inc. (J.A. Jones), Shaw Environmental and Infrastructure, Inc. (Shaw), and Engineering and Environment, Inc. (EEI). During this monitoring period, June 2006 – May 2007, Sovereign Consulting Inc. (Sovereign) operated and maintained the remediation system and conducted monitoring well gauging and sampling of site wells. Monitoring wells MW01-MW24 were gauged on a semi-annual basis, with

the exception of MW17. This well was previously lost during construction activities and has not been reinstalled. Groundwater samples from site monitoring wells (MW01, MW02, MW03, MW05, MW08, MW11, MW13, MW14, MW18, MW19, MW20, MW21, MW22, MW23, and MW24) were also collected. Analyses run included EPA Methods 602 + Xylenes, 625 + 10 largest non-target peaks, and 3030C for lead in accordance with the program scope of work.

Additional assessment work has been conducted at the site in the last several years. First, NCDENR requested that three intermediate depth wells (MW21 – MW23) be installed to further delineate the vertical extent of groundwater contamination. Well installation took place in June 2001. In addition, three underground storage tanks were removed from the site in 2002. Subsequent soil and groundwater assessment work in the former UST area concluded that soils did not require remediation as contaminant levels were below residential MSCCs. Affected soils were also within the influence of the current SVE system.

During the additional assessments, no free product was detected, and groundwater contamination near the former UST basin was within the influence of the current system layout; therefore, additional groundwater remediation was not recommended. The former UST basin assessment was conducted as a result of recommendations made in an optimization report conducted by CATLIN in 2004. Results are contained in the CATLIN Report of Findings (ROF) for Soil and Free Phase Product dated December 2004. NCDENR requested that groundwater be delineated in a NORR letter dated June 14, 2004. Data from the ROF report was used to evaluate where to install additional wells that would define the groundwater contamination. As a result, one shallow monitoring well (MW-24) was installed in the immediate vicinity of former USTs LCH-4034-1, LCH 4034-2, and LCH 4034-3 in February 2005. The well was subsequently incorporated into the monitoring program. Overall, the 2004 optimization report concluded that the system has been effective in reducing petroleum constituent concentrations in the upper portion of the contaminant plume and should continue operation in order to maintain influence.

4.0 SOIL INVESTIGATION

Sovereign was present at the site on August 20, 2007 in order to conduct a soil investigation at the site using a direct push drill rig. Nine soil borings were advanced in the locations depicted on Figure 3. These locations were selected based on the suspected presence of soil contamination in those vicinities. In 2004, Catlin conducted a soil investigation at LCH-4015 and these same locations were tested for TPH-DRO and TPH-GRO analyses, and at that time had detected concentrations above the state action levels. Therefore Sovereign repeated the advancement of soil borings in these same locations in order to check the present status of soil contamination at the site by collecting soil samples at the same depth intervals for analyses of TPH-DRO and TPH-GRO. Sample analyses are summarized in Table 2, and all action limit exceedances are highlighted and shaded. There were exceedances in both of the state action limits of 10 mg/kg (TPH-GRO) and 40 mg/kg (TPH-DRO) in three different soil borings: SB36A, SB37A, and SB38 A. All of these soil borings were in close proximity to each other.

Samples were collected using the laboratory-prepared sample bottles, placed on ice, and shipped under proper chain-of-custody to SGS-Paradigm Analytical Laboratories Inc. (SGS-Paradigm) in Wilmington, North Carolina (NC Certification Number 481). Analyses run included TPH-DRO and TPH-GRO and are summarized in Table 2. Laboratory reports and chain-of-custody documentation are included in Appendix B.

5.0 GAUGING AND SAMPLING RESULTS

All of the site monitoring wells at the LCH-4015 site were gauged and sampled in July of 2007. Activities were conducted in accordance with NCDENR guidance.

5.1 WELL GAUGING

Monitoring wells MW01 through MW24 (MW17 cannot be located) were gauged in July 2007. Gauging data is summarized in Table 1. Wells were gauged using an interface probe to measure the depth to water and depth to product (if present). No measurable free product was detected at any site well designated for gauging during July 2007.

Top of casing elevations and DTW values were used to obtain groundwater elevations at the site, as shown in Figures 4. From the shallow groundwater well maps, overall groundwater flow is into the site from the east and away to the north and west, which is generally consistent with previous site data. The westerly direction of flow away from the site during this monitoring period, however, was slightly different, as compared to a southwesterly direction in previous years. Areas of relatively elevated groundwater are observed in the central and southeastern portion of the site.

5.2 GROUNDWATER SAMPLING

Sovereign recommended MCB Camp Lejeune discontinue the AS/SVE system operation beginning in June 2007. This was completed in order to evaluate the site in a static condition, monitor the site groundwater for contaminant concentration level rebound, and make an informed decision on future remedial alternatives. The system was shut down in early June 2007. As scheduled, a groundwater sampling event was then conducted in July 2007. A letter was issued by the NCDENR on August 7, 2007 concerning the Sovereign 2007 Annual Groundwater Monitoring Report which stated the system was to be cut off temporarily in order to evaluate the site. The letter stated soil and groundwater contaminant concentration levels above state action limits within the influence of the system's boundaries.

Groundwater was analyzed in July 2007 for volatile organic compounds, semi-volatile organic compounds, and lead via EPA Methods 602 + xylenes, 625 + the 10 largest non-target peaks (to include 1 and 2-methylnaphthalene), and Standard Method 3030C, respectively. Laboratory reports and chain of custody documentation are included in Appendix B. EPA Method 602 results are summarized in Table 3. There were 2L NCGWQSs exceedances in the following wells for benzene: MW01, MW02, MW21 and MW23.

Prior to sampling, wells were purged until water quality parameters (pH, temperature, conductivity, oxidation-reduction potential, dissolved oxygen, and turbidity) stabilized. Sampling was conducted using a peristaltic pump with connected polyethylene discharge tubing and a low flow purging and sampling procedure.

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 using the laboratory-prepared sample bottles, placed on ice, and shipped under proper chain of custody to SGS-Paradigm Analytical Laboratories Inc. (SGS-Paradigm) in Wilmington, North Carolina (NC Certification Number 481).

Table 4 summarizes the semi-volatile lab results for EPA Method 625. There were 2L NCGWQSs exceedances in the following wells for naphthalene during the July 2007 sampling event for Method 625: MW01, MW02, and MW23. In addition there were 2L exceedances for Bis(2-ethylhexyl)phthalate in wells MW01 and MW03.

Table 5 summarizes the metal lab results for Method 3030C for Lead. There were not any 2L NCGWQSs exceedances in any site wells for Lead during the July 2007 sampling event.

6.0 RECEPTOR SURVEY

Sovereign reassessed site conditions and concluded that the receptor survey previously completed by CATLIN in the RAO & RCAP dated May 6, 2004 still applies. There has been no noticeable 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 historical data and fieldwork and laboratory analytical data gathered during the 2006-2007 monitoring period, the following conclusions and recommendations are presented:

1. No measurable free product was observed at any site well during the monitoring period.
2. Previous investigations indicate petroleum constituent concentrations in vadose zone soils at the site require additional remediation at this time.
3. Shallow surficial groundwater aquifer flow is from the east and away from the site to the north and west. Intermediate well groundwater elevation maps show a southwesterly flow.
4. VOCs and semi-VOCs are present in shallow and intermediate groundwater monitoring wells at concentrations above 2L NCGWQSs.

5. Petroleum constituent concentrations, while above 2L NCGWQSs, have decreased over time and have generally leveled out.
6. PID readings of system exhaust indicate 0.0 ppm when measuring for volatile organic compounds.

One volatile and two semi-volatile compounds were detected at the site above North Carolina Groundwater Quality Standards (NCGWQSs) during the July 2007 sampling event. Those contaminants were benzene, bis (2-ethylhexyl) phthalate, and naphthalene. All other target analytes were below 2L standards. Exceedences were in shallow (MW01 and MW02) and intermediate (MW21 and MW23) monitoring wells. Petroleum constituent concentrations, while above NCGWQSs, have decreased over time, indicating that operation of the biosparge/soil vapor extraction system benefited groundwater quality at the site.

The August 2007 groundwater sampling event was canceled and a soil investigation was conducted instead to examine boring locations with historical exceedances of the state action levels of 10 mg/kg for TPH-GRO and 40 mg/kg for TPH-GRO. Three soil boring locations had exceedances of the state action limits: SB36A, 37A and 38A. Therefore, it is recommended that the soil with contaminant concentrations above state action levels be excavated (proposed excavation area shown on Figure 3) and disposed of at a licensed disposal facility and replaced with clean backfill. That would eliminate any soil contamination within the influence of the AS/SVE system that remains in place with contaminant concentrations above state action levels.

Sovereign also recommends resuming sampling of the site groundwater for EPA Methods 602, 625 and 3030C for Lead. This could be done on a quarterly basis until all site wells have groundwater contaminant concentrations under the 2L NCGWQSs for four consecutive quarterly sampling events.

Finally, maintaining operation of the AS/SVE system should be a priority until further evaluation is made with regard to an approved alternative remedy. This alternative remedy should be formally amended into the CAP for this site before discontinuing operation of the current AS/SVE system. The system was reactivated on August 31, 2007 and has been routinely maintained since.

8.0 REFERENCES

AH Environmental Consultants, *Final Report, Wellhead Protection Plan – 2002 Update, Marine Corps Base, Camp Lejeune*, August 2002.

CATLIN Engineers and Scientists, *Remedial Action Optimization and Revised Corrective Action Plan, LCH 4015, Marine Corps Base Camp, Lejeune, North Carolina*, May 2004.

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R.E. Wright Associates, Inc., *Five Well Site Check, Marine Corps Base, Camp Lejeune, North Carolina, LCH-4015 AST Fuel Farm*, February 1995.

Shaw Environmental and Infrastructure, Inc., *Final Annual Monitoring Report, August 2000 – August 2001, Soil and Groundwater Remediation, Building LCH-4015, Marine Corps Base Camp Lejeune, North Carolina*, February 2004.

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TABLES

TABLE 1
GROUNDWATER ELEVATION DATA

Date: July 23, 2007

Incident Number and Name: 85352 – Building LCH 4015

Monitoring Well	Top of Casing Elevation (feet)	Groundwater Elevation (feet)	
		7/23/2007	No Product
LCH4015-MW01	32.53	29.35	"
LCH4015-MW02	31.69	30.08	"
LCH4015-MW03	34.70	29.03	"
LCH4015-MW04	35.29	27.91	"
LCH4015-MW05	20.56	17.94	"
LCH4015-MW06	31.80	28.82	"
LCH4015-MW07	32.38	28.80	"
LCH4015-MW08	31.38	28.48	"
LCH4015-MW09	30.91	28.61	"
LCH4015-MW10	30.89	29.43	"
LCH4015-MW11	31.77	27.67	"
LCH4015-MW12	31.87	27.36	"
LCH4015-MW13	31.97	10.90	"
LCH4015-MW14	32.04	27.43	"
LCH4015-MW15	31.90	28.16	"
LCH4015-MW16	32.26	29.35	"
LCH4015-MW17	Well Lost	Not Calculated	"
LCH4015-MW18	32.60	30.24	"
LCH4015-MW19	32.62	11.04	"
LCH4015-MW20	31.83	11.08	"
LCH4015-MW21	32.64	11.15	"
LCH4015-MW22	31.72	11.00	"
LCH4015-MW23	32.55	11.24	"
LCH4015-MW24	31.24	29.12	"

Not Calculated = Elevation not calculated due to insufficient data; MW-17 LOST.

TABLE 2
SUMMARY OF SOIL SAMPLING RESULTS

Date: August 20, 2007

Incident Number and Name: 85352 – Building LCH 4015

Analytical Method: EPA Method 3550 and 5030

Comment	Sample ID	Contaminant of Concern →		TPH-DRO	TPH-GRO
		Date Collected (mm/dd/yy)	Sample Depth (ft BGS)		
USTLCH4015	SB13A	8/20/2007	0-2	32.4	BQL
USTLCH4015	SB38A	8/20/2007	1-2	73.4	47.2
USTLCH4015	SB36A	8/20/2007	2-3	129	129
USTLCH4015	SB38B	8/20/2007	2-3	35.4	36.5
USTLCH4015	SB37A	8/20/2007	1-2	9950	137
USTLCH4015	SB26A	8/20/2007	1-2	BQL	BQL
USTLCH4015	SB18A	8/20/2007	1-2	8.06	BQL
USTLCH4015	SB14A	8/20/2007	1-2	14.8	BQL
USTLCH4015	SB20A	8/20/2007	1-2	BQL	BQL
USTLCH4015	SB24A	8/20/2007	2-4	BQL	BQL
NCDENR Action Level (mg/kg)				40	10

- Results reported in mg/kg
- mg/kg =milligrams per kilogram
- **BOLDED** = detected concentration
- **BOLDED** and **shaded** = detected concentration above NCDENR action level.
- ft. BGS = feet below ground surface

TABLE 3
SUMMARY OF GROUNDWATER SAMPLING RESULTS
Date: July 2007
Incident Number and Name: 85352 – Building LCH 4015
Analytical Method: EPA Method 602

Contaminant of Concern			Benzene	Diisopropyl ether (DIPE)	Ethylbenzene	Methyl-tert butyl ether (MTBE)	Toluene	Total Xylenes
Well ID	Sample ID	Date Collected						
USTLCH4015-MW01	USTLCH4015-MW01	7/24/07	9.74	BQL	145	BQL	BQL	293
USTLCH4015-MW02	USTLCH4015-MW02	7/24/07	3.16	BQL	2.76	BQL	BQL	11.5
USTLCH4015-MW03	USTLCH4015-MW03	7/25/07	BQL	BQL	BQL	BQL	BQL	BQL
USTLCH4015-MW04	USTLCH4015-MW04	7/24/07	BQL	BQL	BQL	BQL	BQL	BQL
USTLCH4015-MW05	USTLCH4015-MW05	7/25/07	BQL	BQL	BQL	BQL	BQL	BQL
USTLCH4015-MW06	USTLCH4015-MW06	7/25/07	BQL	BQL	BQL	BQL	BQL	BQL
USTLCH4015-MW07	USTLCH4015-MW07	7/24/07	BQL	BQL	BQL	BQL	BQL	BQL
USTLCH4015-MW08	USTLCH4015-MW08	7/24/07	BQL	BQL	BQL	BQL	BQL	BQL
USTLCH4015-MW09	USTLCH4015-MW09	7/25/07	BQL	BQL	BQL	BQL	BQL	BQL
USTLCH4015-MW10	USTLCH4015-MW10	7/25/07	BQL	BQL	BQL	0.587	BQL	BQL
USTLCH4015-MW11	USTLCH4015-MW11	7/25/07	BQL	BQL	5.04	BQL	BQL	BQL
USTLCH4015-MW12	USTLCH4015-MW12	7/23/07	BQL	BQL	BQL	BQL	BQL	BQL
USTLCH4015-MW13	USTLCH4015-MW13	7/23/07	BQL	BQL	BQL	BQL	BQL	BQL
USTLCH4015-MW14	USTLCH4015-MW14	7/23/07	BQL	BQL	BQL	BQL	BQL	BQL
USTLCH4015-MW15	USTLCH4015-MW15	7/24/07	BQL	BQL	BQL	BQL	BQL	BQL
USTLCH4015-MW16	USTLCH4015-MW16	7/24/07	BQL	BQL	BQL	BQL	BQL	BQL
USTLCH4015-MW18	USTLCH4015-MW18	7/23/07	BQL	BQL	BQL	BQL	BQL	BQL
USTLCH4015-MW19	USTLCH4015-MW19	7/24/07	BQL	BQL	BQL	BQL	BQL	BQL
USTLCH4015-MW20	USTLCH4015-MW20	7/24/07	BQL	BQL	BQL	BQL	BQL	BQL
USTLCH4015-MW21	USTLCH4015-MW21	7/24/07	21.0	0.378	1.31	19.4	BQL	BQL
USTLCH4015-MW22	USTLCH4015-MW22	7/23/07	BQL	BQL	BQL	BQL	BQL	BQL
USTLCH4015-MW23	USTLCH4015-MW23	7/24/07	46.3	3.24	BQL	42.3	BQL	BQL
USTLCH4015-MW24	USTLCH4015-MW24	7/25/07	BQL	BQL	BQL	BQL	BQL	BQL
Duplicate	Duplicate	7/24/07	46.2	3.21	BQL	44.9	BQL	BQL
2L Standard (µg/l)			1	70	550	200	1,000	530

- Duplicate sample taken from MW23 in July 2007.
- All results reported in µg/l
- µg/L =micrograms per liter
- GCL = gross contamination level
- BQL = Below Quantitation Limits
- **BOLD** and shaded = detected concentration above applicable standard
- **J** = Detected below quantitation limits

TABLE 4
SUMMARY OF GROUNDWATER SAMPLING RESULTS
Date: July 2007
Incident Number and Name: 85352 – Building LCH 4015
Analytical Method: EPA Method 625

Contaminant of Concern			Acenaphthene	Acenaphthylene	Bis(2-ethylhexyl)phthalate	Diethylphthalate	Di-n-octylphthalate	Fluorene	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Tentatively Identified Compounds (TICs)	All Other Compounds
Well ID	Sample ID	Date Collected											
USTLCH4015-MW01	USTLCH4015-MW01	7/24/07	BQL	BQL	9.90	BQL	BQL	BQL	BQL	BQL	100	BQL	BQL
USTLCH4015-MW02	USTLCH4015-MW02	7/24/07	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	24.7	BQL	BQL
USTLCH4015-MW03	USTLCH4015-MW03	7/25/07	BQL	BQL	3.26	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTLCH4015-MW04	USTLCH4015-MW04	7/24/07	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	2.33	BQL	BQL
USTLCH4015-MW05	USTLCH4015-MW05	7/25/07	BQL	BQL	BQL	4.77	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTLCH4015-MW06	USTLCH4015-MW06	7/25/07	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTLCH4015-MW07	USTLCH4015-MW07	7/24/07	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.20	BQL	BQL
USTLCH4015-MW08	USTLCH4015-MW08	7/24/07	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTLCH4015-MW09	USTLCH4015-MW09	7/25/07	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTLCH4015-MW10	USTLCH4015-MW10	7/25/07	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTLCH4015-MW11	USTLCH4015-MW11	7/25/07	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTLCH4015-MW12	USTLCH4015-MW12	7/23/07	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTLCH4015-MW13	USTLCH4015-MW13	7/23/07	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTLCH4015-MW14	USTLCH4015-MW14	7/23/07	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTLCH4015-MW15	USTLCH4015-MW15	7/24/07	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTLCH4015-MW16	USTLCH4015-MW16	7/24/07	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTLCH4015-MW18	USTLCH4015-MW18	7/23/07	BQL	BQL	BQL	BQL	BQL	1.30	BQL	BQL	BQL	BQL	BQL
USTLCH4015-MW19	USTLCH4015-MW19	7/24/07	2.20	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTLCH4015-MW20	USTLCH4015-MW20	7/24/07	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTLCH4015-MW21	USTLCH4015-MW21	7/24/07	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	41.8	BQL	BQL

Contaminant of Concern			Acenaphthene	Acenaphthylene	Bis(2-ethylhexyl)phthalate	Diethylphthalate	Di-n-octylphthalate	Fluorene	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Tentatively Identified Compounds (TICs)	All Other Compounds
Well ID	Sample ID	Date Collected											
USTLCH4015-MW22	USTLCH4015-MW22	7/23/07	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTLCH4015-MW23	USTLCH4015-MW23	7/24/07	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTLCH4015-MW24	USTLCH4015-MW24	7/25/07	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Duplicate	Duplicate	7/24/07	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
2L Standard (µg/l)			80	210	2.5	5,000	140	280	14	14	21	NE	Varies

- Duplicate sample taken from MW23 in July 2007.
- All results reported in µg/l
- µg/L =micrograms per liter
- GCL = gross contamination level
- BQL = Below Quantitation Limits
- NE = Not Established; standard therefore compared to the reporting limit.
- J = Detected below quantitation limits.

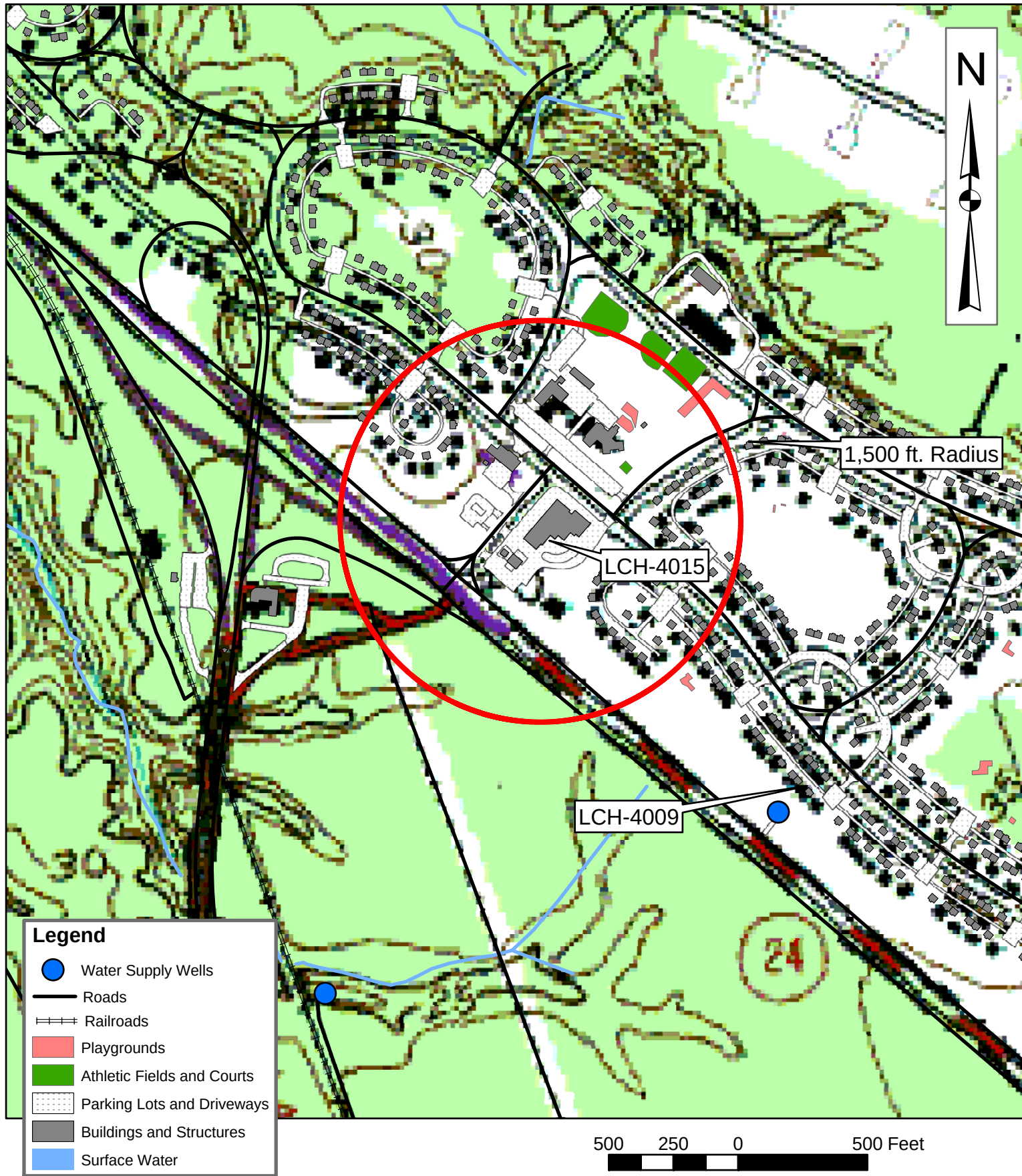
TABLE 5
SUMMARY OF GROUNDWATER SAMPLING RESULTS
Date: June 2006
Incident Number and Name: 85352 – Building LCH 4015
Analytical Method: EPA Method 3030C

Contaminant of Concern			Lead
Well ID	Sample ID	Date Collected	
USTLCH4015-MW01	USTLCH4015-MW01	7/24/07	0.775
USTLCH4015-MW02	USTLCH4015-MW02	7/24/07	BQL
USTLCH4015-MW03	USTLCH4015-MW03	7/25/07	BQL
USTLCH4015-MW04	USTLCH4015-MW04	7/24/07	BQL
USTLCH4015-MW05	USTLCH4015-MW05	7/25/07	BQL
USTLCH4015-MW06	USTLCH4015-MW06	7/25/07	4.30
USTLCH4015-MW07	USTLCH4015-MW07	7/24/07	BQL
USTLCH4015-MW08	USTLCH4015-MW08	7/24/07	BQL
USTLCH4015-MW09	USTLCH4015-MW09	7/25/07	BQL
USTLCH4015-MW10	USTLCH4015-MW10	7/25/07	BQL
USTLCH4015-MW11	USTLCH4015-MW11	7/25/07	BQL
USTLCH4015-MW12	USTLCH4015-MW12	7/23/07	BQL
USTLCH4015-MW13	USTLCH4015-MW13	7/23/07	BQL
USTLCH4015-MW14	USTLCH4015-MW14	7/23/07	BQL
USTLCH4015-MW15	USTLCH4015-MW15	7/24/07	BQL
USTLCH4015-MW16	USTLCH4015-MW16	7/24/07	BQL
USTLCH4015-MW18	USTLCH4015-MW18	7/23/07	BQL
USTLCH4015-MW19	USTLCH4015-MW19	7/24/07	BQL
USTLCH4015-MW20	USTLCH4015-MW20	7/24/07	BQL
USTLCH4015-MW21	USTLCH4015-MW21	7/24/07	BQL
USTLCH4015-MW22	USTLCH4015-MW22	7/23/07	BQL

Contaminant of Concern			Lead
Well ID	Sample ID	Date Collected	
USTLCH4015-MW23	USTLCH4015-MW23	7/24/07	BQL
USTLCH4015-MW24	USTLCH4015-MW24	7/25/07	BQL
Duplicate	Duplicate	7/24/07	BQL
2L Standard (µg/l)			15
GCL (µg/l)			15,000

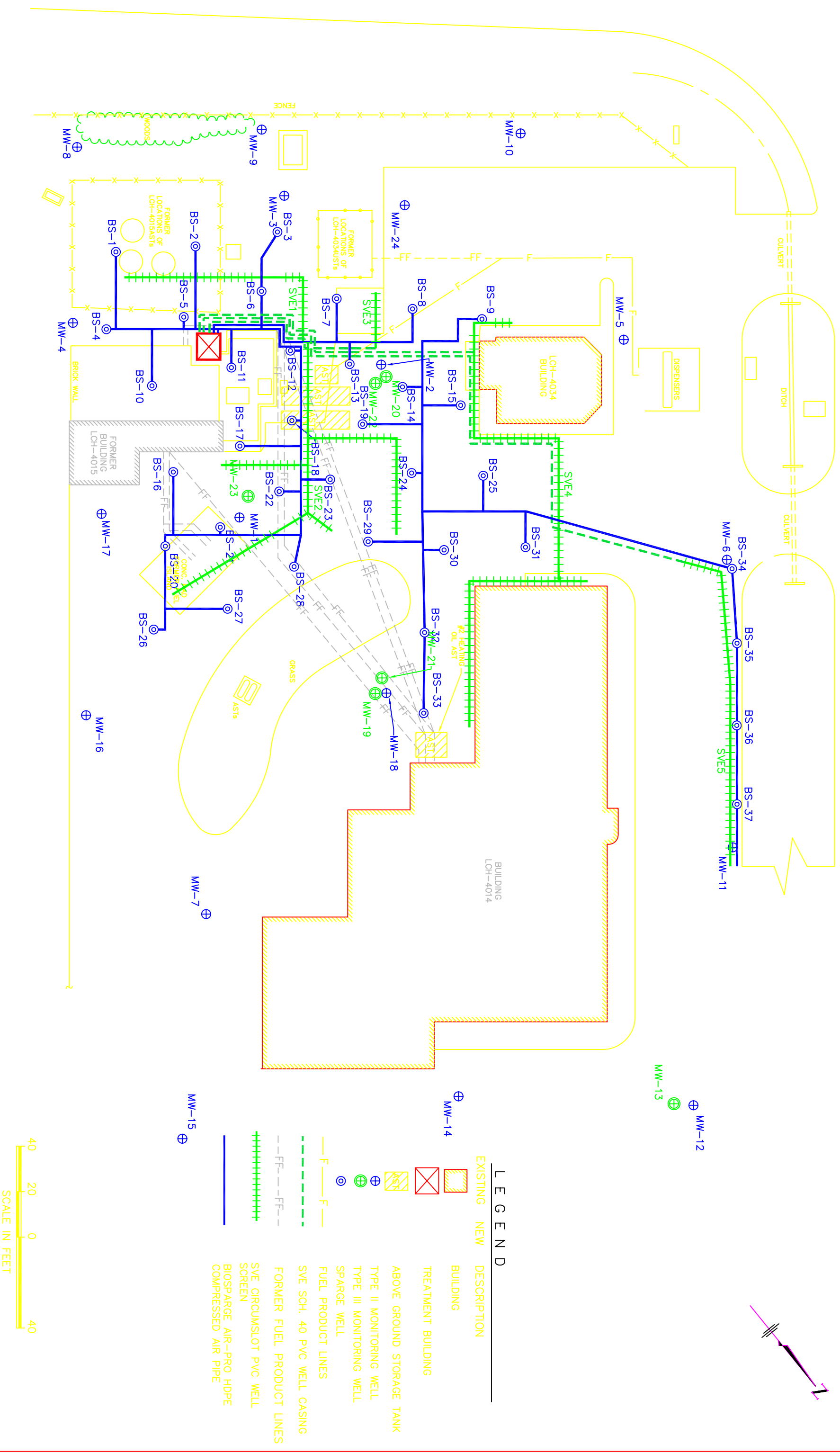
- All results reported in µg/l
- µg/L =micrograms per liter
- GCL = gross contamination level
- BQL = Below Quantitation Limits

FIGURES

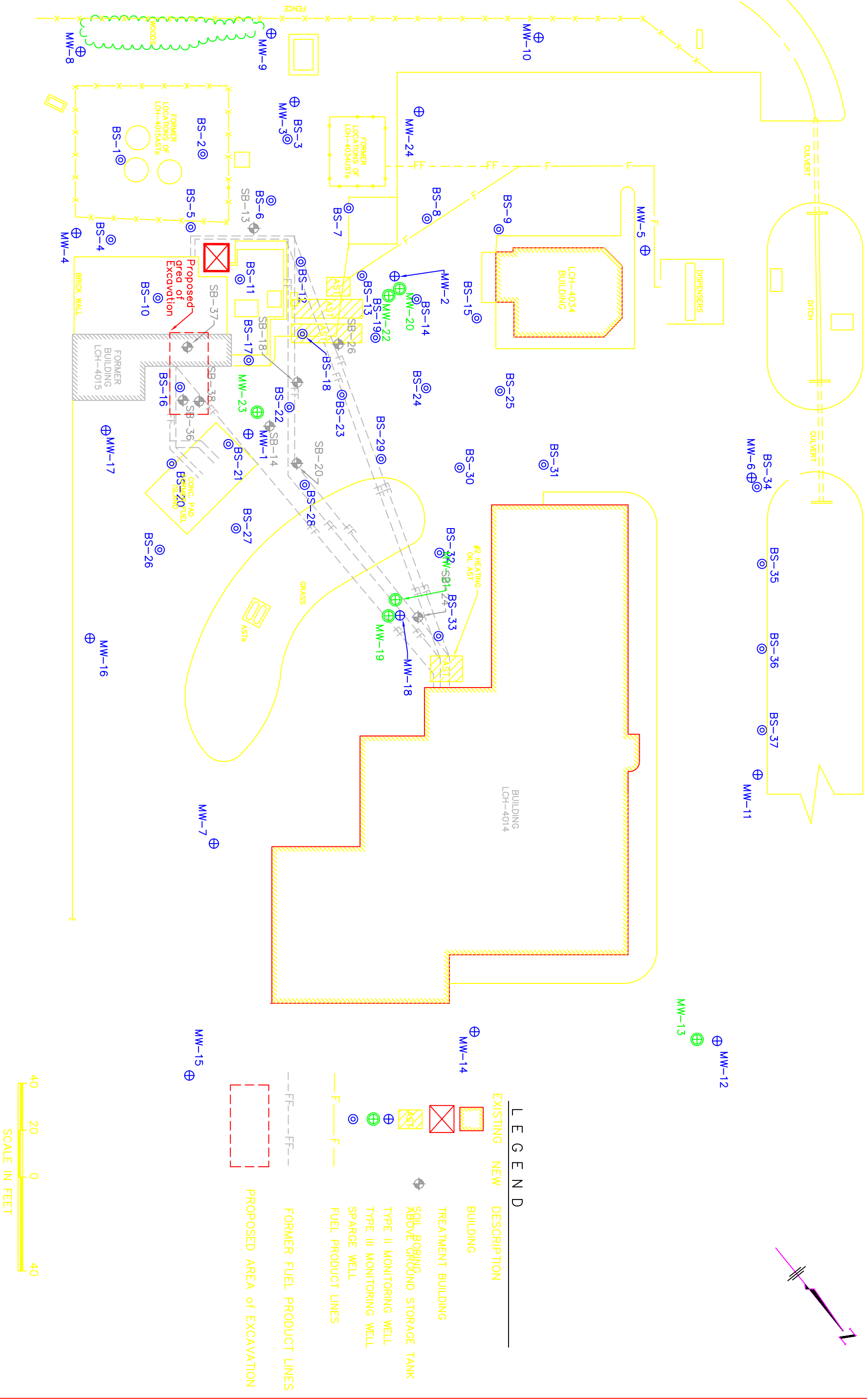


Data Sources: Data Layers provided by MCB Camp Lejeune GIS Office.

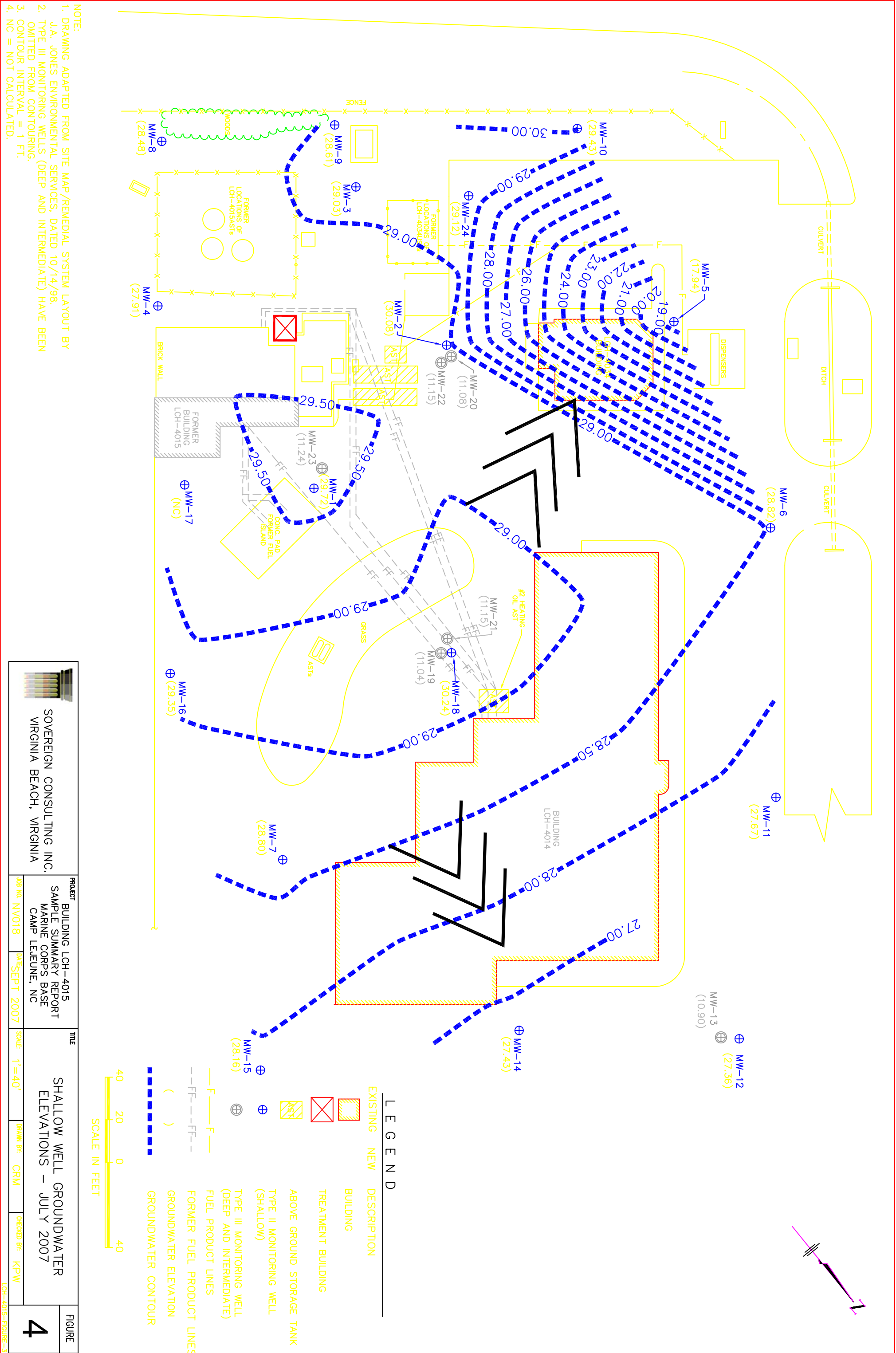
 SOVEREIGN CONSULTING INC. VIRGINIA BEACH, VIRGINIA	PROJECT LCH-4015 ANNUAL MONITORING REPORT MARINE CORPS BASE CAMP LEJEUNE, NC		TITLE GENERAL VICINITY TOPOGRAPHIC SITE MAP			FIGURE
	JOB NO. 206-063	DATE MAY 2007	SCALE AS SHOWN	DRAWN BY KAWS	CHECKED BY JAC	1



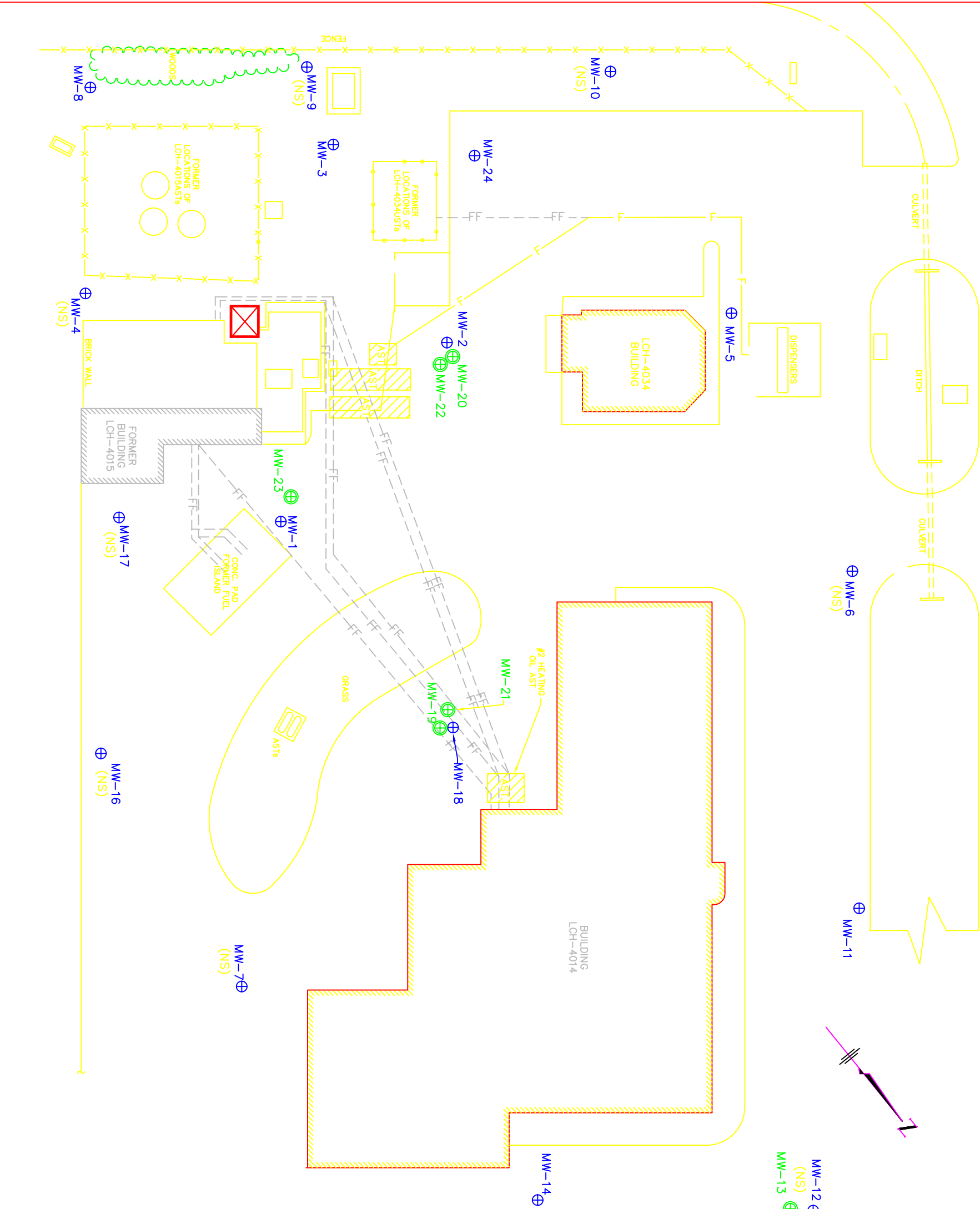
 SOVEREIGN CONSULTING INC. VIRGINIA BEACH, VIRGINIA	PROJECT BUILDING LCH-4015 SAMPLING SUMMARY REPORT MARINE CORPS BASE CAMP LEJUNE, NC		TITLE SITE MAP WITH MONITORING WELL LOCATIONS		FIGURE 2	
	JOB NO. NV018	DATE: SEPT 2007	SCALE: 1" = 40'	DRAWN BY: CRM	CHECKED BY: KPW	



		SOVEREIGN CONSULTING INC. VIRGINIA BEACH, VIRGINIA			
PROJECT BUILDING LCH-4015 SAMPLING SUMMARY REPORT MARINE CORPS BASE CAMP LEJUNE, NC		TITLE SITE MAP WITH AUG 2007 SOIL SAMPLE LOCATIONS			
JOB NO. NV018	DATE SEPT 2007	SCALE 1"=40'	DRAWN BY CRM	CHECKED BY KPW	FIGURE 3



Contaminant of Concern							
Well ID	Sample ID	Date Collected	Benzene	Diisopropyl ether (DIPE)	Ethylbenzene	Methyl-tert butyl ether (MTBE)	Toluene
USTLCH4015-MW01	USTLCH4015-MW01	7/24/07	9.74	BQL	145	BQL	203
USTLCH4015-MW02	USTLCH4015-MW02	7/24/07	3.16	BQL	2.76	BQL	11.5
USTLCH4015-MW03	USTLCH4015-MW03	7/25/07	BQL	BQL	BQL	BQL	BQL
USTLCH4015-MW04	USTLCH4015-MW04	7/24/07	BQL	BQL	BQL	BQL	BQL
USTLCH4015-MW05	USTLCH4015-MW05	7/25/07	BQL	BQL	BQL	BQL	BQL
USTLCH4015-MW06	USTLCH4015-MW06	7/25/07	BQL	BQL	BQL	BQL	BQL
USTLCH4015-MW07	USTLCH4015-MW07	7/24/07	BQL	BQL	BQL	BQL	BQL
USTLCH4015-MW08	USTLCH4015-MW08	7/24/07	BQL	BQL	BQL	BQL	BQL
USTLCH4015-MW09	USTLCH4015-MW09	7/25/07	BQL	BQL	BQL	BQL	BQL
USTLCH4015-MW10	USTLCH4015-MW10	7/25/07	BQL	BQL	BQL	0.587	BQL
USTLCH4015-MW11	USTLCH4015-MW11	7/25/07	BQL	BQL	5.04	BQL	BQL
USTLCH4015-MW12	USTLCH4015-MW12	7/23/07	BQL	BQL	BQL	BQL	BQL
USTLCH4015-MW13	USTLCH4015-MW13	7/23/07	BQL	BQL	BQL	BQL	BQL
USTLCH4015-MW14	USTLCH4015-MW14	7/23/07	BQL	BQL	BQL	BQL	BQL
USTLCH4015-MW15	USTLCH4015-MW15	7/24/07	BQL	BQL	BQL	BQL	BQL
USTLCH4015-MW16	USTLCH4015-MW16	7/24/07	BQL	BQL	BQL	BQL	BQL
USTLCH4015-MW18	USTLCH4015-MW18	7/23/07	BQL	BQL	BQL	BQL	BQL
USTLCH4015-MW19	USTLCH4015-MW19	7/24/07	BQL	BQL	BQL	BQL	BQL
USTLCH4015-MW20	USTLCH4015-MW20	7/24/07	BQL	BQL	BQL	BQL	BQL
USTLCH4015-MW21	USTLCH4015-MW21	7/24/07	21.0	0.378	1.31	19.4	BQL
USTLCH4015-MW22	USTLCH4015-MW22	7/23/07	BQL	BQL	BQL	42.3	BQL
USTLCH4015-MW23	USTLCH4015-MW23	7/24/07	46.3	3.24	BQL	44.9	BQL
USTLCH4015-MW24	USTLCH4015-MW24	7/25/07	46.2	3.21	BQL	BQL	BQL
Duplicate	Duplicate	7/24/07	1	70	550	200	1,000
2L Standard (µg/l)							



NOTE:
1. DRAWING ADAPTED FROM SITE MAP/REMEDIAL SYSTEM LAYOUT BY J.A. JONES ENVIRONMENTAL SERVICES, DATED 10/14/98.
2. NS = NOT SAMPLED

SOVEREIGN CONSULTING INC.
VIRGINIA BEACH, VIRGINIA

PROJECT
BUILDING LCH-4015
SAMPLE SUMMARY REPORT
MARINE CORPS BASE
CAMP LEJEUNE, NC

DATE
SEPT 2007

SCALE
1" = 40'

DRAWN BY
CRM

CHECKED BY
KPW

TITLE
SITE MAP WITH JULY 2007
GROUNDWATER RESULTS –
EPA METHOD 602

FIGURE
5

LEGEND

EXISTING

NEW

DESCRIPTION

BUILDING

TREATMENT BUILDING

ABOVE GROUND STORAGE TANK

TYPE II MONITORING WELL
(SHALLOW)

TYPE III MONITORING WELL
(DEEP AND INTERMEDIATE)

FORMER FUEL PRODUCT LINES

SCALE IN FEET

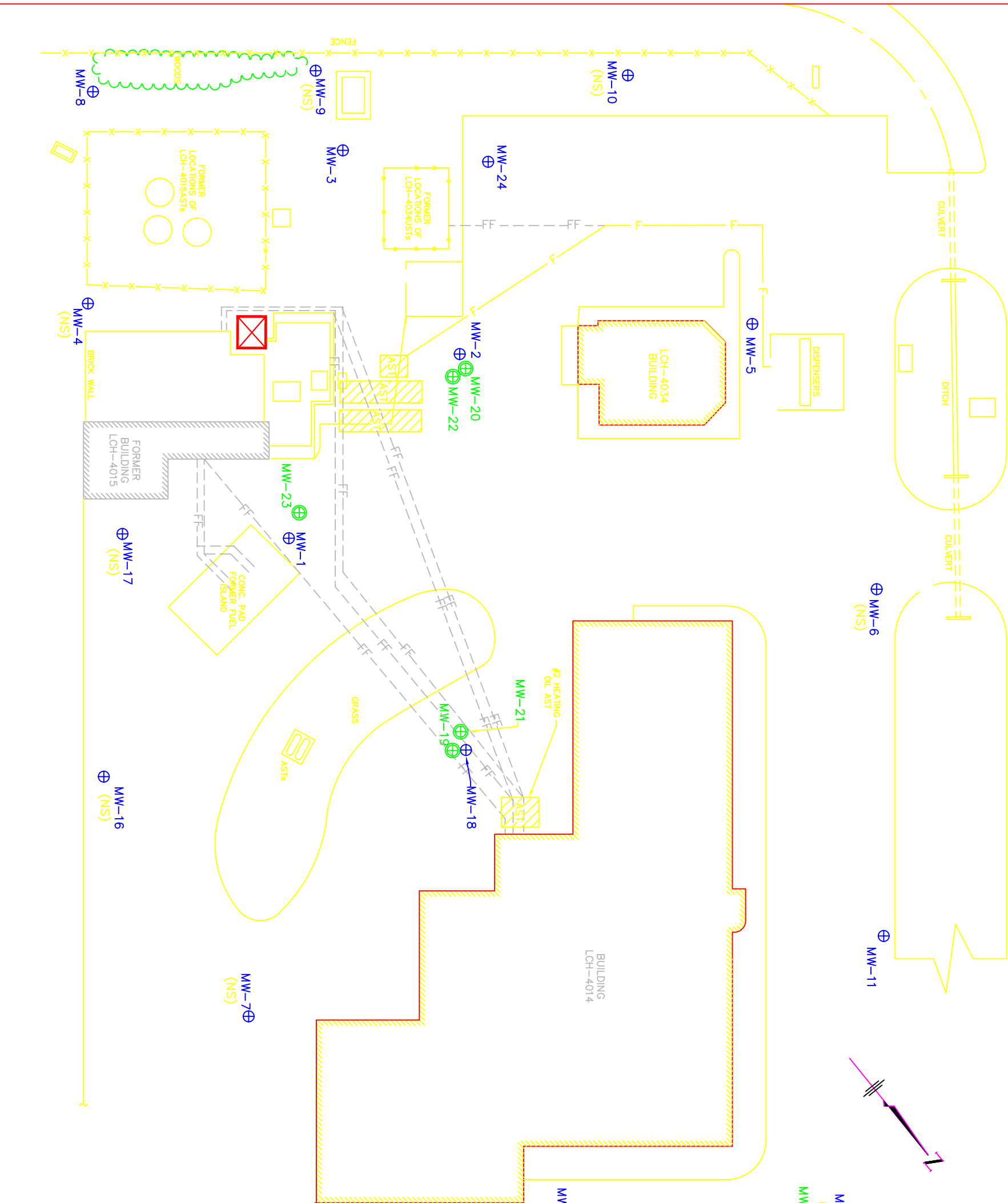
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40

Contaminant of Concern																
Well ID	Sample ID	Date Collected														
			Acenaphthene	Acenaphthylene	Bis(2-ethylhexyl)phthalate	Diethylphthalate	Di-n-octylphthalate	Fluorene	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Tentatively Identified Compounds (TICs)	All Other Compounds			
IST1CH015-MW01	UST1CH015-MW01	7/24/07	BQL	BQL	900	BQL	BQL	BQL	BQL	BQL	100	BQL	BQL			
IST1CH015-MW02	UST1CH015-MW02	7/24/07	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	247	BQL	BQL			
IST1CH015-MW03	UST1CH015-MW03	7/25/07	BQL	BQL	326	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL			
IST1CH015-MW04	UST1CH015-MW04	7/24/07	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	233	BQL	BQL			
IST1CH015-MW05	UST1CH015-MW05	7/25/07	BQL	BQL	BQL	477	BQL	BQL	BQL	BQL	BQL	BQL	BQL			
IST1CH015-MW06	UST1CH015-MW06	7/25/07	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL			
IST1CH015-MW07	UST1CH015-MW07	7/24/07	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	120	BQL	BQL			
IST1CH015-MW08	UST1CH015-MW08	7/24/07	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL			
IST1CH015-MW09	UST1CH015-MW09	7/25/07	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL			
IST1CH015-MW10	UST1CH015-MW10	7/25/07	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL			
IST1CH015-MW11	UST1CH015-MW11	7/25/07	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL			
IST1CH015-MW12	UST1CH015-MW12	7/23/07	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL			
IST1CH015-MW13	UST1CH015-MW13	7/23/07	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL			
IST1CH015-MW14	UST1CH015-MW14	7/23/07	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL			
IST1CH015-MW15	UST1CH015-MW15	7/24/07	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL			
IST1CH015-MW16	UST1CH015-MW16	7/24/07	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL			
IST1CH015-MW18	UST1CH015-MW18	7/23/07	BQL	BQL	BQL	BQL	BQL	BQL	120	BQL	BQL	BQL	BQL			
IST1CH015-MW19	UST1CH015-MW19	7/24/07	220	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL			
IST1CH015-MW20	UST1CH015-MW20	7/24/07	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL			
IST1CH015-MW21	UST1CH015-MW21	7/24/07	BQL	BQL	BQL	BQL	BQL	BQL	BQL	418	BQL	BQL	BQL			
IST1CH015-MW22	UST1CH015-MW22	7/23/07	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL			
IST1CH015-MW23	UST1CH015-MW23	7/24/07	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL			
IST1CH015-MW24	UST1CH015-MW24	7/25/07	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL			



LEGEND

EXISTING

NEW

DESCRIPTION

BUILDING

TREATMENT BUILDING

ABOVE GROUND STORAGE TANK

TYPE II MONITORING WELL (SHALLOW)

TYPE III MONITORING WELL (DEEP AND INTERMEDIATE)

FUEL PRODUCT LINES

FORMER FUEL PRODUCT LINES



NOTE:
1. DRAWING ADAPTED FROM SITE MAP/REMEDIAL SYSTEM LAYOUT BY J.A. JONES ENVIRONMENTAL SERVICES, DATED 10/14/98.
2. NS = NOT SAMPLED

SOVEREIGN CONSULTING INC.
VIRGINIA BEACH, VIRGINIA

PROJECT

BUILDING LCH-4015
SAMPLE SUMMARY REPORT
MARINE CORPS BASE
CAMP LEJEUNE, NC

TITLE

SITE MAP WITH JULY 2007
GROUNDWATER RESULTS –
EPA METHOD 625

FIGURE

6

JOB NO. NV018

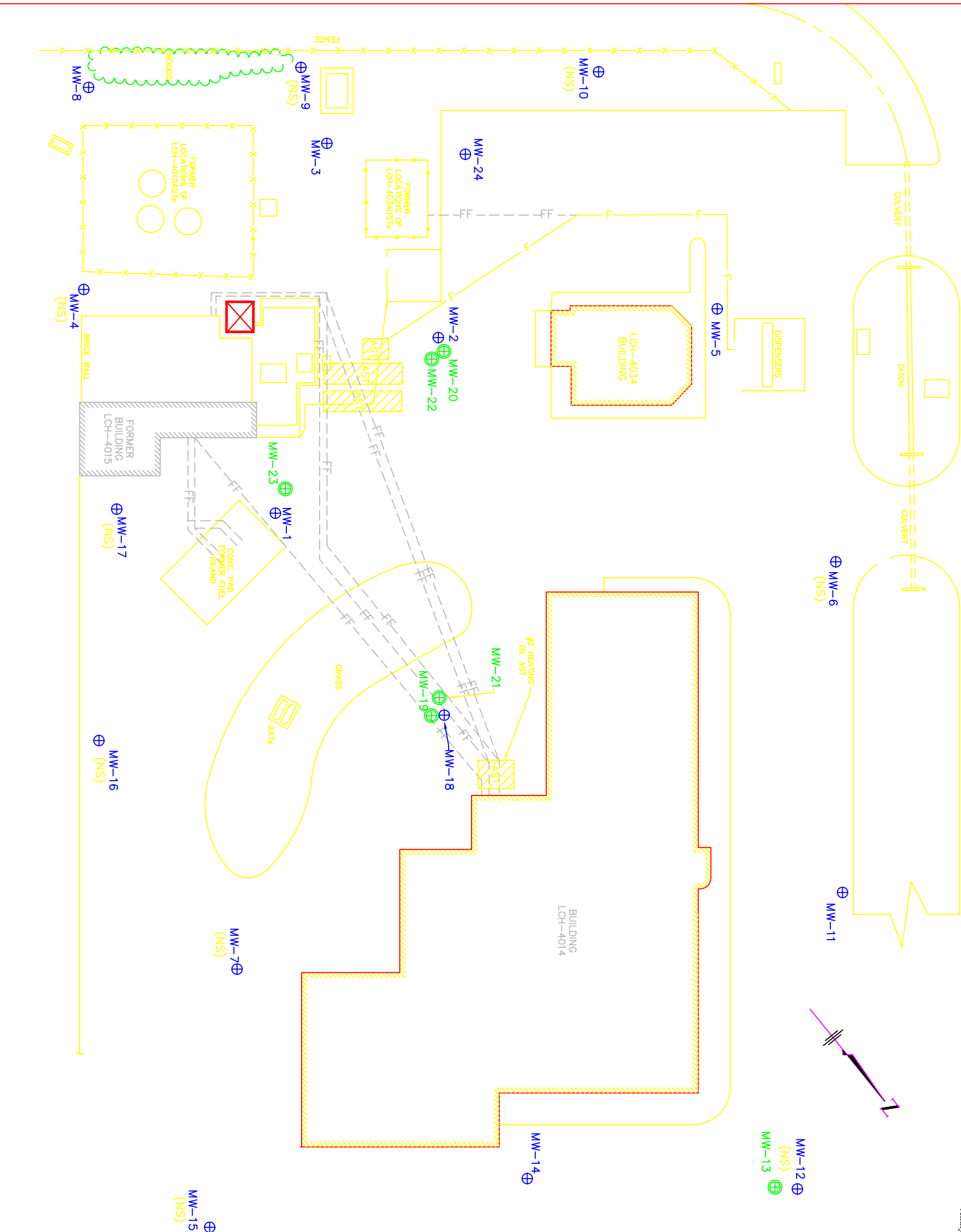
DATE SEPT 2007

SCALE: 1"=40'

DRAWN BY: CRM

CHECKED BY: KPW

Contaminant of Concern			Lead
Well ID	Sample ID	Date Collected	
UST1C4H015-MW01	UST1C4H015-MW01	7/24/07	0.775
UST1C4H015-MW02	UST1C4H015-MW02	7/24/07	BOL
UST1C4H015-MW03	UST1C4H015-MW03	7/25/07	BOL
UST1C4H015-MW04	UST1C4H015-MW04	7/24/07	BOL
UST1C4H015-MW05	UST1C4H015-MW05	7/25/07	BOL
UST1C4H015-MW06	UST1C4H015-MW06	7/25/07	4.30
UST1C4H015-MW07	UST1C4H015-MW07	7/24/07	BOL
UST1C4H015-MW08	UST1C4H015-MW08	7/24/07	BOL
UST1C4H015-MW09	UST1C4H015-MW09	7/25/07	BOL
UST1C4H015-MW10	UST1C4H015-MW10	7/25/07	BOL
UST1C4H015-MW11	UST1C4H015-MW11	7/25/07	BOL
UST1C4H015-MW12	UST1C4H015-MW12	7/23/07	BOL
UST1C4H015-MW13	UST1C4H015-MW13	7/23/07	BOL
UST1C4H015-MW14	UST1C4H015-MW14	7/23/07	BOL
UST1C4H015-MW15	UST1C4H015-MW15	7/24/07	BOL
UST1C4H015-MW16	UST1C4H015-MW16	7/24/07	BOL
UST1C4H015-MW18	UST1C4H015-MW18	7/23/07	BOL
UST1C4H015-MW19	UST1C4H015-MW19	7/24/07	BOL
UST1C4H015-MW20	UST1C4H015-MW20	7/24/07	BOL
UST1C4H015-MW21	UST1C4H015-MW21	7/24/07	BOL
UST1C4H015-MW22	UST1C4H015-MW22	7/23/07	BOL
UST1C4H015-MW23	UST1C4H015-MW23	7/24/07	BOL
UST1C4H015-MW24	UST1C4H015-MW24	7/25/07	BOL
Duplicate	Duplicate	7/24/07	BOL
21. Standard (µg/l)			15



NOTE:
1. DRAWING ADAPTED FROM SITE MAP/REMEDIAL SYSTEM LAYOUT BY J.A. JONES ENVIRONMENTAL SERVICES, DATED 10/14/98.
2. NS = NOT SAMPLED

SOVEREIGN CONSULTING INC.
VIRGINIA BEACH, VIRGINIA

PROJECT

BUILDING LCH-4015
SAMPLE SUMMARY REPORT
MARINE CORPS BASE
CAMP LEJEUNE, NC

TITLE

SITE MAP WITH JULY 2007
GROUNDWATER RESULTS –
3030C for LEAD

JOB NO.

DATE

SCALE

DRAWN BY

CHECKED BY

FIGURE

NV018

SEPT 2007

1" = 40'

CRM

KPW

7

LEGEND

EXISTING

NEW

DESCRIPTION

BUILDING

TREATMENT BUILDING

ABOVE GROUND STORAGE TANK

TYPE II MONITORING WELL (SHALLOW)

TYPE III MONITORING WELL (DEEP AND INTERMEDIATE)

FUEL PRODUCT LINES

FORMER FUEL PRODUCT LINES

40

20

0

40

SCALE IN FEET

APPENDIX A
HISTORICAL GROUNDWATER QUALITY DATA
SOIL BORING LOGS

Table
Historical Groundwater Analytical Data
September 2003 Sampling Event
LCH4015

Parameter	NCGWQS	GCL	MW-01	Duplicate	MW-02	MW-03	MW-05	MW-09	MW-11
VOCs by EPA Method 6210D (µg/L)									
Benzene	1	5,000	141	138	60.1	1	<1.0	<1.0	<1.0
Ethylbenzene	29	29,000	371	368	62.9	0.8 J	1.9	0.63 J	3.6
Toluene	1,000	257,500	17.5	14.8	7.2	<1.0	<1.0	0.66 J	<1.0
Xylenes (total)	530	87,500	269	226	612	<3.0	6.9	<3.0	<3.0
Methyl-tert butyl ether (MTBE)	200		5.8	4.8	7.5	<1.0	3.8	10.7	<1.0
Total BTEX			798.5	746.8	742.2	1.8	8.8	1.29	3.6
SVOCs by EPA Method 610 (µg/L)									
Acenaphthene	80		<5.0	<5.4	<5.7	<5.2	<5.1	<5.0	<5.1
Acenaphthylene	210		<5.0	<5.4	<5.7	<5.2	<5.1	<5.0	<5.1
Anthracene	2100		<5.0	<5.4	<5.7	<5.2	<5.1	<5.0	<5.1
Benzo(a)anthracene	0.05		<5.0	<5.4	<5.7	<5.2	<5.1	<5.0	<5.1
Flouranthene	280		<5.0	<5.4	<5.7	<5.2	<5.1	<5.0	<5.1
Flourene	280		<5.0	<5.4	<5.7	<5.2	<5.1	<5.0	<5.1
1-Methylnaphthalene	RL		29	23.3	7.1	<5.2	<5.1	<5.0	<5.1
2-Methylnaphthalene	14		43.7	36.2	7.6	<5.2	<5.1	<5.0	<5.1
Naphthalene	21		170	138	59.9	<5.2	<5.1	4.2 J	<5.1
Phenanthrene	210		<5.0	<5.4	<5.7	<5.2	<5.1	<5.0	<5.1
Pyrene	210		<5.0	<5.4	<5.7	<5.2	<5.1	<5.0	<5.1

Bold type indicates detectable concentrations

Bold and highlighted indicates detectable concentrations above the GCL

NCGWQS - North Carolina Groundwater Quality Standard

GCL - Gross Contaminant Level

<# - not detected at the indicated reporting limit

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

mg/L - milligrams per liter

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 minimum detection limit and reporting limit

NA - Not analyzed; laboratory quantitation for the indicated analyte was not conducted

NS - Not sampled; the indicated location was not designated for sampling during the event

E - estimated concentration above the linear quantitation range

Table
Historical Groundwater Analytical Data
November 2003 Sampling Event
LCH4015

Sample Location	NCGWQS	MW-01 11/19/03	MW-02 11/18/03	MW-03 11/18/03	MW-03D 11/18/03	MW-05 11/18/03	MW-06 11/19/03	MW-07 11/18/03	MW-08 11/18/03	MW-09 11/18/03
EPA 602 (µg/L)										
Benzene	1	139	22.4	1.3	1.5	<1.0	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	29	377	31.9	1.3	1.4	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	1000	8.0	1.9	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Xylenes (total)	530	147	62.5	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Methyl Tert Butyl Ether	200	10.1	24.0	2.6	2.7	3.3	<1.0	<1.0	<1.0	7.5
Total BTEX		671	118.7	2.6	2.9	ND	ND	ND	ND	ND
EPA 610 (µg/L)										
Acenaphthene	80	<5.4	<5.4	<5.0	<5.0	<5.0	<5.1	<5.0	<5.1	<5.1
Acenaphthylene	210	<5.4	<5.4	<5.0	<5.0	<5.0	<5.1	<5.0	<5.1	<5.1
Anthracene	2100	<5.4	<5.4	<5.0	<5.0	<5.0	<5.1	<5.0	<5.1	<5.1
Benzo(a)anthracene	0.05	<5.4	<5.4	<5.0	<5.0	<5.0	<5.1	<5.0	<5.1	<5.1
Fluoranthene	280	<5.4	<5.4	<5.0	<5.0	<5.0	<5.1	<5.0	<5.1	<5.1
Fluorene	280	<5.4	<5.4	2.5 J	<5.0	<5.0	<5.1	<5.0	<5.1	<5.1
1-Methylnaphthalene	RL	28.1	5.1 J	<5.0	<5.0	<5.0	<5.1	<5.0	2.9 J	<5.1
2-Methylnaphthalene	14	47.0	2.9 J	<5.0	<5.0	<5.0	<5.1	<5.0	<5.1	<5.1
Naphthalene	21	169	47.8	<5.0	<5.0	<5.0	<5.1	<5.0	2.3 J	<5.1
Phenanthrene	210	<5.4	<5.4	<5.0	<5.0	<5.0	<5.1	<5.0	<5.1	<5.1
Pyrene	210	<5.4	<5.4	<5.0	<5.0	<5.0	<5.1	<5.0	<5.1	<5.1

Sample Location	NCGWQS	MW-10 11/18/03	MW-11 12/11/03	MW-12 11/19/03	MW-14 11/19/03	MW-15 11/18/03	MW-16 11/18/03	MW-18 11/19/03	MW-19 11/19/03
EPA 602 (µg/L)									
Benzene	1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	29	<1.0	2.5	<1.0	<1.0	<1.0	<1.0	0.86 J	<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	5.6	<1.0	<1.0	<1.0	<1.0	2.6	<1.0	<1.0
Total BTEX		ND	2.5	ND	ND	ND	ND	0.86	ND
EPA 610 (µg/L)									
Acenaphthene	80	<5.6	3.1 J	<5.2	<5.1	<5.1	<5.0	<5.2	2.4 J
Acenaphthylene	210	<5.6	<5.2	<5.2	<5.1	<5.1	<5.0	<5.2	<5.1
Anthracene	2100	<5.6	<5.2	<5.2	<5.1	<5.1	<5.0	<5.2	<5.1
Benzo(a)anthracene	0.05	<5.6	<5.2	<5.2	<5.1	<5.1	<5.0	<5.2	<5.1
Fluoranthene	280	<5.6	<5.2	<5.2	<5.1	<5.1	<5.0	<5.2	<5.1
Fluorene	280	<5.6	9.0	<5.2	<5.1	<5.1	<5.0	<5.2	<5.1
1-Methylnaphthalene	RL	<5.6	36.8	<5.2	<5.1	<5.1	<5.0	<5.2	<5.1
2-Methylnaphthalene	14	<5.6	6.3	<5.2	<5.1	<5.1	<5.0	<5.2	<5.1
Naphthalene	21	<5.6	5.8	<5.2	<5.1	<5.1	<5.0	<5.2	3.2 J
Phenanthrene	210	<5.6	5.7	<5.2	<5.1	<5.1	<5.0	<5.2	<5.1
Pyrene	210	<5.6	<5.2	<5.2	<5.1	<5.1	<5.0	<5.2	<5.1

MW-03D is a duplicate sample collected at well MW-03

NCGWQS: North Carolina Groundwater Quality Standard

RL: Reporting Limit, no NCGWQS established for the constituent; therefore, 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

µg/L: micrograms per liter

<#: 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
Historical Groundwater Analytical Data
February 2004 Sampling Event
LCH4015

Parameter	NCGWQS	GCL	MW-01	MW-02	MW-03	MW-05	Duplicate	MW-09	MW-11
VOCs by EPA Method 621/0D (µg/L)									
Benzene	1	5,000	131	19.1	10.5	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	29	29,000	439	14.5	3.7	<1.0	<1.0	<1.0	3.9
Toluene	1,000	257,500	27.5	1.3	0.68 J	<1.0	<1.0	<1.0	<1.0
Xylenes (total)	530	87,500	514	76.9	3.6	<3.0	<3.0	<3.0	<3.0
Methyl-tert butyl ether (MTBE)	200		8.1	94.4	7	5.5	5.5	8.0	<1.0
Total BTEX			1111.5	111.8	18.48	ND	ND	ND	3.9
SVOCs by EPA Method 610 (µg/L)									
Acenaphthene	80		<5.2	<5.0	<5.1	<5.0	<5.0	<5.0	<5.1
Acenaphthylene	210		<5.2	<5.0	<5.1	<5.0	<5.0	<5.0	<5.1
Anthracene	2100		<5.2	<5.0	<5.1	<5.0	<5.0	<5.0	<5.1
Benzo(a)anthracene	0.05		<5.2	<5.0	<5.1	<5.0	<5.0	<5.0	<5.1
Flouranthene	280		<5.2	<5.0	<5.1	<5.0	<5.0	<5.0	<5.1
Flourene	280		<5.2	<5.0	<5.1	<5.0	<5.0	<5.0	5.1
1-Methylnaphthalene	RL		26.9	3.5 J	<5.1	<5.0	<5.0	<5.0	4.6 J
2-Methylnaphthalene	14		38.7	<5.0	<5.1	<5.0	<5.0	<5.0	<5.1
Naphthalene	21		15.7	15.7	2.3 J	<5.0	<5.0	<5.0	<5.1
Phenanthrene	210		<5.2	<5.0	<5.1	<5.0	<5.0	<5.0	<5.1
Pyrene	210		<5.2	<5.0	<5.1	<5.0	<5.0	<5.0	<5.1

Bold type indicates detectable concentrations

Bold and highlighted indicates detectable concentrations above the GCL

NCGWQS - North Carolina Groundwater Quality Standard

GCL - Gross Contaminant Level

<# - not detected at the indicated reporting limit

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

mg/L - milligrams per liter

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 minimum detection limit and reporting limit

NA - Not analyzed; laboratory quantitation for the indicated analyte was not conducted

NS - Not sampled; the indicated location was not designated for sampling during the event

E - estimated concentration above the linear quantitation range

Table
Historical Groundwater Analytical Data
May 2004 Sampling Event
LCH4015

Parameter	NCGWQS	GCL	MW-01	MW-02	MW-03 ⁽¹⁾	Duplicate	MW-05	MW-06	MW-07	MW-08	MW-09	MW-10	MW-11	MW-12	MW-14	MW-15	MW-16	MW-18 ⁽¹⁾	MW-19
VOCs by EPA Method 6210D (µg/L)																			
Benzene	1	5,000	28.4	30.9	1.6	1.8	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	29	29,000	31.9	14.6	1.7	2	<1.0	<1.0	<1.0	<1.0	3.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	1,000	257,500	13	1.8	<1.0	<1.0	<1.0	<1.0	0.52 J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Xylenes (total)	530	87,500	704	85.3	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Methyl-tert butyl ether (MTBE)	200		4.0 J	25.9	<1.0	<1.0	2.7	6.2	<1.0	<1.0	<1.0	9.8	<1.0	<1.0	<1.0	<1.0	3.7	<1.0	<1.0
Total BTEX			1064.4	132.6	3.3	3.8	ND	ND	0.52	ND	3.5	ND	ND	ND	ND	ND	ND	ND	ND
SVOCs by EPA Method 610 (µg/L)																			
Acenaphthene	80		<5.1	<5.1	<5.1	<5.0	<5.1	<5.2	<5.1	<5.0	<5.1	<5.0	4.3 J	<5.3	<5.1	<5.0	<5.1	<5.1	3.7 J
Acenaphthylene	210		<5.1	<5.1	<5.1	<5.0	<5.1	<5.2	<5.1	<5.0	<5.1	<5.0	<5.1	<5.3	<5.1	<5.0	<5.1	<5.1	<5.0
Anthracene	2100		<5.1	<5.1	<5.1	<5.0	<5.1	<5.2	<5.1	<5.0	<5.1	<5.0	<5.1	<5.3	<5.1	<5.0	<5.1	<5.1	<5.0
Benzo(a)anthracene	0.05		<5.1	<5.1	<5.1	<5.0	<5.1	<5.2	<5.1	<5.0	<5.1	<5.0	<5.1	<5.3	<5.1	<5.0	<5.1	<5.1	<5.0
Flouranthene	280		<5.1	<5.1	<5.1	<5.0	<5.1	<5.2	<5.1	<5.0	<5.1	<5.0	<5.1	<5.3	<5.1	<5.0	<5.1	<5.1	<5.0
Flourene	280		<5.1	<5.1	<5.1	<5.0	<5.1	<5.2	<5.1	<5.0	<5.1	<5.0	8.0	<5.3	<5.1	<5.0	<5.1	<5.1	<5.0
1-Methylnaphthalene	RL		25.3	<5.1	<5.1	<5.0	<5.1	<5.2	<5.1	<5.0	<5.1	<5.0	29.5	<5.3	<5.1	<5.0	<5.1	<5.1	<5.0
2-Methylnaphthalene	14		34.3	<5.1	<5.1	<5.0	<5.1	<5.2	<5.1	<5.0	<5.1	<5.0	5.9	<5.3	<5.1	<5.0	<5.1	<5.1	2.1 J
Naphthalene	21		102	15.7	<5.1	<5.0	<5.1	<5.2	<5.1	<5.0	<5.1	<5.0	3.8 J	<5.3	<5.1	<5.0	<5.1	<5.1	2.1 J
Phenanthrene	210		<5.1	<5.1	<5.1	<5.0	<5.1	<5.2	<5.1	<5.0	<5.1	<5.0	<5.1	<5.3	<5.1	<5.0	<5.1	<5.1	<5.0
Pyrene	210		<5.1	<5.1	<5.1	<5.0	<5.1	<5.2	<5.1	<5.0	<5.1	<5.0	<5.1	<5.3	<5.1	<5.0	<5.1	<5.1	<5.0

⁽¹⁾ At well MW-03, 1,3-Dichlorobenzene was reported in the primary and duplicate samples at estimated concentrations of 0.69 µg/L and 0.78 µg/L, respectively, at well MW-18, 1,3-Dichlorobenzene was reported at a concentration of 1.6 µg/L, the NCGWQS for 1,3-Dichlorobenzene is 620 µg/L.

Bold type indicates detectable concentrations

Bold and highlighted indicates detectable concentrations above the GCL

NCGWQS - North Carolina Groundwater Quality Standard

GCL - Gross Contaminant Level

<# - not detected at the indicated reporting limit

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

mg/L - milligrams per liter

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 minimum detection limit and reporting limit

NA - Not analyzed; laboratory quantitation for the indicated analyte was not conducted

NS - Not sampled; the indicated location was not designated for sampling during the event

E - estimated concentration above the linear quantitation range

Table
Historical Groundwater Analytical Data
August 2004 Sampling Event
LCH4015

Sample Location	NCGWQS	MW-01	DUP (MW-01)	MW-02	MW-03	MW-05	MW-09	MW-11
Date Sampled		08/11/04	08/11/04	08/11/04	08/11/04	08/11/04	08/11/04	08/11/04
EPA 602 (µg/L)								
Benzene	1	53.3	70.4	0.90 J	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	29	225	208	2.4	<1.0	<1.0	<1.0	5.4
Toluene	1000	8.6	13.3	<1.0	0.52 J	<1.0	0.50 J	0.63 J
Xylenes (total)	530	314	<3.0	13.3	<3.0	<3.0	<3.0	1.8 J
Methyl Tert Butyl Ether	200	<5.0	317	20.0	1.9	0.76 J	6.9	<1.0
Total BTEX		600.9	291.7	16.6	0.52	ND	0.5	7.83
EPA 610 (µg/L)								
Acenaphthene	80	<48	<48	<4.8	<4.8	<4.8	<4.8	<9.5
Acenaphthylene	210	<48	<48	<4.8	<4.8	<4.8	<4.8	<9.5
Anthracene	2100	<48	<48	<4.8	<4.8	<4.8	<4.8	<9.5
Benzo(a)anthracene	0.05	<48	<48	<4.8	<4.8	<4.8	<4.8	<9.5
Fluoranthene	280	<48	<48	<4.8	<4.8	<4.8	<4.8	<9.5
Fluorene	280	<48	<48	<4.8	3.3 J	<4.8	<4.8	16.4
1-Methylnaphthalene	RL	34.4 J	34.5 J	2.9 J	<4.8	<4.8	<4.8	38.2
2-Methylnaphthalene	14	49.0	48.6	3.2 J	<4.8	<4.8	<4.8	6.6 J
Naphthalene	21	207	216	45.2	<4.8	<4.8	<4.8	3.8 J
Phenanthrene	210	<48	<48	<4.8	<4.8	<4.8	<4.8	6.5 J
Pyrene	210	<48	<48	<4.8	<4.8	<4.8	<4.8	<9.5

DUP is a duplicate sample collected at well MW-01

NCGWQS: North Carolina Groundwater Quality Standard

RL: Reporting Limit, no NCGWQS established for the constituent; therefore, 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

µg/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
Historical Groundwater Analytical Data
November 2004 Sampling Event
LCH4015

Sample Location	NCGWQS	MW-01	MW-02*	MW-03	DUP (MW-03)	MW-13	MW-18
Date Sampled		11/22/04	11/22/04	11/22/04	11/23/04	11/23/04	11/23/04
EPA 602 (µg/L)							
Benzene	1	29.1	84.6	0.56 J	0.61 J	<1.0	<1.0
Ethylbenzene	29	189	64.0	<1.0	<1.0	<1.0	<1.0
Toluene	1000	4.6 J	6.7	<1.0	<1.0	<1.0	0.51 J
Xylenes (total)	530	390	220	<3.0	<3.0	<3.0	<3.0
Methyl Tert Butyl Ether	200	<5.0	8.3	<1.0	<1.0	<1.0	<1.0
Total BTEX		612.7	375.3	0.56	0.61	ND	0.51
EPA 610 (µg/L)							
Acenaphthene	80	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8
Acenaphthylene	210	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8
Anthracene	2100	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8
Benzo(a)anthracene	0.05	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8
Fluoranthene	280	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8
Fluorene	280	<4.8	<4.8	2.3 J	2.1 J	<4.8	5.8
1-Methylnaphthalene	RL	17.3	7.6	<4.8	<4.8	<4.8	<4.8
2-Methylnaphthalene	14	25.7	5.2	<4.8	<4.8	<4.8	<4.8
Naphthalene	21	88.1	94.5	<4.8	<4.8	<4.8	<4.8
Phenanthrene	210	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8
Pyrene	210	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8
MADEP VPH (µg/L)							
C5-C8 Aliphatics	420	296	197	65.7 J	154 J	<190	312
C9-C12 Aliphatics		195	<190	129	<190	<190	<190
C9-C10 Aromatics		<190	<190	106	<190	<190	<190
MADEP EPH (µg/L)							
C9-C18 Aliphatics		925	487	<190	55 J	<75	<75
C19-C36 Aliphatics	42000	2030	363	<190	131	<55	68.4
C11-C22 Aromatics		1150	222	169 J	106	<20	40.9
MADEP VPH + EPH (µg/L)							
C9-C12 + C9-C18 Aliphatics	4200	1120	487	129	55 J	<265	<265
C9-C10 + C11-C22 Aromatics	210	<1150	222	275 J	106	<210	40.9
SW 6010B* (µg/L)							
Lead	15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0

Sample Location	NCGWQS	MW-19	MW-20	MW-21	MW-22	MW-23
Date Sampled		11/23/04	11/22/04	11/23/04	11/22/04	11/23/04
EPA 602 (µg/L)						
Benzene	1	<1.0	<1.0	20.8	<1.0	73.9
Ethylbenzene	29	<1.0	<1.0	5.2	<1.0	1.3
Toluene	1000	<1.0	<1.0	2.0	<1.0	<1.0
Xylenes (total)	530	<3.0	<3.0	2.7 J	<3.0	1.3 J
Methyl Tert Butyl Ether	200	<1.0	<1.0	21.3	<1.0	34.3
Total BTEX		ND	ND	30.7	ND	76.5
EPA 610 (µg/L)						
Acenaphthene	80	<4.8	<4.8	<4.8	<4.8	<4.8
Acenaphthylene	210	<4.8	<4.8	<4.8	<4.8	<4.8
Anthracene	2100	<4.8	<4.8	<4.8	<4.8	<4.8
Benzo(a)anthracene	0.05	<4.8	<4.8	<4.8	<4.8	<4.8
Fluoranthene	280	<4.8	<4.8	<4.8	<4.8	<4.8
Fluorene	280	<4.8	<4.8	<4.8	<4.8	<4.8
1-Methylnaphthalene	RL	<4.8	<4.8	<4.8	<4.8	<4.8
2-Methylnaphthalene	14	<4.8	<4.8	<4.8	<4.8	<4.8
Naphthalene	21	<4.8	14.9	15.3	<4.8	<4.8
Phenanthrene	210	<4.8	<4.8	<4.8	<4.8	<4.8
Pyrene	210	<4.8	<4.8	<4.8	<4.8	<4.8
MADEP VPH (µg/L)						
C5-C8 Aliphatics	420	<190	143 J	<190	<190	149
C9-C12 Aliphatics		<190	<190	<190	<190	<190
C9-C10 Aromatics		<190	<190	<190	<190	<190
MADEP EPH (µg/L)						
C9-C18 Aliphatics		<75	<75	<75	<75	<75
C19-C36 Aliphatics	42000	<55	<55	119	<55	<55
C11-C22 Aromatics		<20	<20	95.8	<20	<20
MADEP VPH + EPH (µg/L)						
C9-C12 + C9-C18 Aliphatics	4200	<265	<265	<265	<265	<265
C9-C10 + C11-C22 Aromatics	210	<210	<210	95.8	<210	<210
SW 6010B/3030C (µg/L)						
Lead	15	<5.0	7.7	<40	<5.0	<50

* At well MW-02, Chlorobenzene was detected at a concentration of 3.0 ug/L (NCGWQS of 50 ug/L)

NCGWQS: North Carolina Groundwater Quality Standard

RL: Reporting Limit, no NCGWQS established for the constituent; therefore, 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

µg/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
Historical Groundwater Analytical Data
March 2005 Sampling Event
LCH4015

Sample Location	NCGWQS	MW-24
Date Sampled		03/07/05
EPA 602 (µg/L)		
Benzene	1	4.38
Ethylbenzene	29	0.785 J
Toluene	1000	0.418 J
m,p-Xylene (1)		1.11 J
o-Xylene (1)		0.978 J
Total Xylenes (1)	530	2.088 J
1,2-Dichlorobenzene	620	15.8
1,3-Dichlorobenzene	620	<1.00
1,4-Dichlorobenzene	75	0.799 J
Naphthalene	21	19.3
Methyl-tert butyl ether	200	1.89 J
Diisopropyl ether	70	3.97
EPA 610 (µg/L)		
Acenaphthene	80	1.40 J
Bis(2-ethylhexyl)phthalate	3	1.40 J
Dimethylphthalate	RL	1.50 J
Fluorene	280	1.70 J
Naphthalene	21	11.1
TICs (total)		241.21 J
MADEP VPH (µg/L)		
C5-C8 Aliphatics	420	220
C9-C12 Aliphatics		130
C9-C10 Aromatics		300
MADEP EPH (µg/L)		
C9-C18 Aliphatics		<100
C19-C36 Aliphatics	42000	<100
C11-C22 Aromatics		140
MADEP VPH + EPH (µg/L)		
C9-C12 + C9-C18 Aliphatics	4200	130
C9-C10 + C11-C22 Aromatics	210	440
SW 6010B* (µg/L)		
Lead	15	<5.0

* At well MW-02, Chlorobenzene was detected at a concentration

NCGWQS: North Carolina Groundwater Quality Standard

RL: Reporting Limit, no NCGWQS established for the constituent

Total BTEX: Sum of detected concentrations of benzene, toluene

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

µg/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 I

Table
Historical Groundwater Analytical Data
May 2005 Sampling Event
LCH4015

Sample Location	NCGWQS	MW-01	MW-02	MW-03	DUP (MW-03)	MW-13	MW-18
Date Sampled		05/10/05	05/10/05	05/10/05	05/10/05	05/11/05	05/11/05
EPA 602 (µg/L)							
Benzene	1	30.1	13.1	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	29	270	13.5	<1.0	<1.0	<1.0	<1.0
Toluene	1000	14.8	<1.0	<1.0	<1.0	<1.0	<1.0
Xylenes (total)	530	659	32.6	<3.0	<3.0	<3.0	<3.0
Chlorobenzene	50	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	620	50.7	10.0	7.7	7.0	<1.0	2.4
1,3-Dichlorobenzene	620	<5.0	<1.0	0.83 J	0.59 J	<1.0	1.3
1,4-Dichlorobenzene	75	<5.0	<1.0	0.59 J	<1.0	<1.0	<1.0
Methyl Tert Butyl Ether	200	7.8	52.5	<1.0	<1.0	<1.0	<1.0
Total BTEX		973.9	59.2	ND	ND	ND	ND
EPA 625 (µg/L)							
Acenaphthene	80	<4.9	<4.8	1.3 J	1.2 J	<4.8	2.3 J
Acenaphthylene	210	<4.9	<4.8	<4.8	<5.0	<4.8	<5.0
Anthracene	2100	<4.9	<4.8	<4.8	<5.0	<4.8	<5.0
Benzo(a)anthracene	0.05	<4.9	<4.8	<4.8	<5.0	<4.8	<5.0
Fluoranthene	280	<4.9	<4.8	<4.8	<5.0	<4.8	<5.0
Fluorene	280	<4.9	<4.8	1.4 J	1.2 J	<4.8	3.1 J
1-Methylnaphthalene	RL	23.1	<4.8	<4.8	<5.0	<4.8	<5.0
2-Methylnaphthalene	14	34.2	<4.8	<4.8	<5.0	<4.8	<5.0
Naphthalene	21	165	11.5	1.6 J	<5.0	<4.8	<5.0
Phenanthrene	210	<4.9	<4.8	<4.8	<5.0	<4.8	<5.0
Pyrene	210	<4.9	<4.8	<4.8	<5.0	<4.8	<5.0
SW 6010B* (µg/L)							
Lead	15	<5.0	<10	<5.0	<5.0	<5.0	<5.0

Sample Location	NCGWQS	MW-19	MW-20	MW-21	MW-22	MW-23	MW-24
Date Sampled		05/11/05	05/10/05	05/11/05	05/10/05	05/11/05	05/10/05
EPA 602 (µg/L)							
Benzene	1	<1.0	<1.0	17.5	<1.0	47.1	2.3
Ethylbenzene	29	<1.0	<1.0	4.2	<1.0	0.79 J	<1.0
Toluene	1000	<1.0	<1.0	1.1	0.96 J	<1.0	<1.0
Xylenes (total)	530	<3.0	<3.0	1.1 J	<3.0	<3.0	<3.0
Chlorobenzene	50	<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	22.1
1,3-Dichlorobenzene	620	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dichlorobenzene	75	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Tert Butyl Ether	200	<1.0	<1.0	28.8	1.2	31.9	3.0
Total BTEX		ND	ND	23.9	0.96	47.89	2.3
EPA 625 (µg/L)							
Acenaphthene	80	2.6 J	<4.8	<4.8	<4.8	<4.8	1.5 J
Acenaphthylene	210	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8
Anthracene	2100	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8
Benzo(a)anthracene	0.05	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8
Fluoranthene	280	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8
Fluorene	280	1.1 J	<4.8	<4.8	<4.8	<4.8	1.8 J
1-Methylnaphthalene	RL	<4.8	<4.8	<4.8	<4.8	<4.8	2.6 J
2-Methylnaphthalene	14	<4.8	<4.8	<4.8	<4.8	<4.8	2.8 J
Naphthalene	21	<4.8	24.8	20.4	<4.8	<4.8	<4.8
Phenanthrene	210	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8
Pyrene	210	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8
SW 6010B/3030C (µg/L)							
Lead	15	<5.0	<5.0	<50	<5.0	<50	<5.0

NCGWQS: North Carolina Groundwater Quality Standard

RL: Reporting Limit, no NCGWQS established for the constituent; therefore, 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

µg/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
Historical Groundwater Analytical Data
November 2005 Sampling Event
LCH4015

Sample Location	NCGWQS	MW-01	MW-02	MW-03	DUP (MW-02)	MW-13	MW-18
Date Sampled		11/14/05	11/14/05	11/14/05	11/14/05	11/14/05	11/14/05
EPA 602 (µg/L)							
Benzene	1	48.1	1.5	<1.0	1.9	<1.0	<1.0
Ethylbenzene	29	143	2.0	<1.0	2.3	<1.0	<1.0
Toluene	1000	4.9	<1.0	<1.0	<1.0	0.54 J	0.59 J
Xylenes (total)	530	268	5.6	<3.0	10.7	<3.0	<3.0
Chlorobenzene	50	2.1	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	620	<32	<120	<10	<120	<3.0	<3.0
1,3-Dichlorobenzene	620	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dichlorobenzene	75	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Tert Butyl Ether	200	7.2	49.6	1.1	50.1	<1.0	<1.0
Total BTEX		464	9.1	ND	14.9	0.54	0.59
EPA 625 (µg/L)							
Acenaphthene	80	<4.9	<5.0	1.6 J	<5.0	<5.3	3 J
Acenaphthylene	210	<4.9	<5.0	<5.0	<5.0	<5.3	<5.3
Anthracene	2100	<4.9	<5.0	<5.0	<5.0	<5.3	<5.3
Benzo(a)anthracene	0.05	<4.9	<5.0	<5.0	<5.0	<5.3	<5.3
Fluoranthene	280	<4.9	<5.0	<5.0	<5.0	<5.3	<5.3
Fluorene	280	<4.9	<5.0	1.6 J	<5.0	<5.3	4.3 J
1-Methylnaphthalene	RL	23.1	15	5.2	<5.0	<4.8	<5.0
2-Methylnaphthalene	14	34.2	5.5	7.9	<5.0	<4.8	<5.0
Naphthalene	21	105	2.3 J	<5.0	2.1 J	<5.3	<5.3
Phenanthrene	210	<4.9	<5.0	<5.0	<5.0	<5.3	<5.3
Pyrene	210	<4.9	<5.0	<5.0	<5.0	<5.3	<5.3
SW 6010B* (µg/L)							
Lead	15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0

Sample Location	NCGWQS	MW-19	MW-20	MW-21	MW-22	MW-23	MW-24
Date Sampled		11/14/05	11/14/05	11/14/05	11/14/05	11/14/05	11/14/05
EPA 602 (µg/L)							
Benzene	1	<1.0	<1.0	10.9	<1.0	4.2	1.8
Ethylbenzene	29	<1.0	<1.0	1.9	<1.0	0.66 J	<1.0
Toluene	1000	0.63 J	<1.0	0.7 J	0.89 J	0.71 J	0.57 J
Xylenes (total)	530	<3.0	<3.0	1.3 J	<3.0	1.3 J	<3.0
Chlorobenzene	50	<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	<15
1,3-Dichlorobenzene	620	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dichlorobenzene	75	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Tert Butyl Ether	200	<1.0	<1.0	26.1	1.9	17.9	1.7
Total BTEX		0.63	ND	14.76	0.89	6.87	2.37
EPA 625 (µg/L)							
Acenaphthene	80	<5.0	<4.8	<5.3	<5.3	<4.8	1.9 J
Acenaphthylene	210	<5.0	<4.8	<5.3	<5.3	<4.8	<5.6
Anthracene	2100	<5.0	<4.8	<5.3	<5.3	<4.8	<5.6
Benzo(a)anthracene	0.05	<5.0	<4.8	<5.3	<5.3	<4.8	<5.6
Fluoranthene	280	<5.0	<4.8	<5.3	<5.3	<4.8	<5.6
Fluorene	280	<5.0	<4.8	<5.3	<5.3	<4.8	2.1 J
1-Methylnaphthalene	RL	<4.8	<4.8	<4.8	<4.8	<4.8	2.6 J
2-Methylnaphthalene	14	<4.8	<4.8	<4.8	<4.8	<4.8	2.8 J
Naphthalene	21	<5.0	9.2	32.3	<5.3	<4.8	4.4 J
Phenanthrene	210	<5.0	<4.8	<5.3	<5.3	<4.8	<5.6
Pyrene	210	<5.0	<4.8	<5.3	<5.3	<4.8	<5.6
SW 6010B/3030C (µg/L)							
Lead	15	<5.0	<5.0	18.8	<5.0	10.1	<5.0

NCGWQS: North Carolina Groundwater Quality Standard

RL: Reporting Limit, no NCGWQS established for the constituent; therefore, 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

µg/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
Historical Groundwater Analytical Data
January 2006 Sampling Event
LCH4015

Parameter	NCGWQS	GCL	MW-01	MW-02	MW-03	MW-13	Duplicate	MW-19	MW-20	MW-21	MW-22	MW-23
VOCs by EPA Method 6210D (µg/L)												
All Compounds	Varies	Varies	<16.0	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
Benzene	1	5,000	45.5	3.63	<1.00	<1.00	<1.00	<1.00	<1.00	20.2	<1.00	25.9
Diisopropyl ether (DIPE)			<8.00	<1.00	0.651	<1.00	<1.00	<1.00	<1.00	0.670	<1.00	1.81
Ethylbenzene	29	29,000	179	6.10	<1.00	<1.00	<1.00	<1.00	<1.00	3.05	<1.00	0.400
Methyl-tert butyl ether (MTBE)	200		4.98	16.7	0.949	<2.00	<2.00	<2.00	<2.00	15.4	<2.00	15.0
Toluene	1,000	257,500	10.1	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
m/p-Xylene			333	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
o-Xylene			37.5	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	0.632	<2.00	<2.00
Xylenes (total)	530	87,500	<32.0	<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			8.70	<10.0	<10.0	<10.0	<10.0	2.80	<10.0	<10.0	<10.0	4.90
Flourene	280	950	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Naphthalene	21	15,500	111	2.10	<10.0	<10.0	<10.0	<10.0	<10.0	31.7	<10.0	<10.0
Phenol			<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
TICs (total)			835.4	143.25	54.91	<10.0	<10.0	<10.0	<10.0	89.7	<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
Metals by EPA Method SW-6010B/3030C (µg/L)												
Lead	15	15,000	0.600	<5.0	<5.0	<5.0	<5.0	0.675	2.28	<5.0	<5.0	<5.0

Bold type indicates detectable concentrations

Bold and highlighted indicates detectable concentrations above the GCL

NCGWQS - North Carolina Groundwater Quality Standard

GCL - Gross Contaminant Level

<# - not detected at the indicated reporting limit

mg/L - milligrams per liter

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 minimum detection limit and reporting limit

NA - Not analyzed; laboratory quantitation for the indicated analyte was not conducted

NS - Not sampled; the indicated location was not designated for sampling during the event

E - estimated concentration above the linear quantitation range

Table
Historical Groundwater Analytical Data
October 2006 Sampling Event
LCH4015

Parameter	NCGWQS	MW-01	MW-02	MW-03	MW-13	MW-19	MW-20	MW-21	MW-22	MW-23	MW-24	Duplicate
VOCs by EPA Method 602 (ug/L)												
Benzene	1	12	5.70	<1.00	<1.00	0.329 J	0.383 J	13.2	<1.00	116	1.34	6.03
Diisopropyl ether (DIPE)	70	7.23	<1.00	<1.00	<1.00	<1.00	<1.00	0.692 J	<1.00	7.05	1.53	0.602 J
Ethylbenzene	29	118	6.34	0.367 J	0.202 J	0.832 J	0.731 J	2.59	0.705 J	3.51 J	0.760 J	6.06
Toluene	1,000	5.21	1.94	0.831 J	0.785 J	3.76	2.99	3.86	3.09	5.17	2.16	2.13
Xylenes (total)	530	191.20	82.18	0.924 J	<2.00	4.56	4.39	4.80 J	2.57	5.74 J	3.21 J	88.67
Methyl-tert butyl ether (MTBE)	200	21.1	14.1	0.768 J	<2.00	<2.00	<2.00	15.7	9.31	84.4	1.39 J	14.6
Total BTEX		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SVOCs by EPA Method 625 (ug/L)												
Acenaphthene	80	<10.0	<10.0	<10.0	<10.0	1.40 J	<10.0	<10.0	<10.0	<10.0	2.10 J	<10.0
Acenaphthylene	210	<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	3	10.7	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Diethylphthalate	5,000	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Di-n-octylphthalate	140	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Anthracene	2100	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Benzo(a)anthracene	0.05	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Flouranthene	280	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Flourene	280	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	2.60 J	<10.0
1-Methylnaphthalene	RL	11.1	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-Methylnaphthalene	14	16.4	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Naphthalene	21	45.5	9.40 J	<10.0	<10.0	<10.0	<10.0	44.0	<10.0	<10.0	4.80 J	9.80 J
Phenanthrene	210	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
TIC's		938.4	395.9	67.74	170.07	78.35	8.01	96.69	9.56	50.0	225.67	187.55
Pyrene	210	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EPA 200.7 / SM 3030C (ug/L)												
Lead (EPA 6010B / SM 3030C) (ug/L)	15	0.875 J	0.500 J	< 5.0	< 5.0	< 5.0	0.800 J	1.90 J	< 5.0	< 5.0	1.33 J	2.33 J

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 minimum detection limit and reporting limit

B - Amount in prep blank > MDL

Table
Historical Groundwater Analytical Data
February 2007 Sampling Event
LCH4015

Parameter	NCGWQS	MW-01	MW-02	MW-03	MW-13	MW-18	MW-19	MW-20	MW-21	MW-22	MW-23	MW-24	Duplicate
VOCs by EPA Method 602 (ug/L)													
Benzene	1	6.80	<1.00	0.965 J	<1.00	<1.00	<1.00	<1.00	21.1	<1.00	122	<1.00	<1.00
Diisopropyl ether (DIPE)	70	0.809 J	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	0.513 J	<1.00	4.50	0.770 J	<1.00
Ethylbenzene	29	23.7	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	1.80	<1.00	<1.00	<1.00	<1.00
Toluene	1,000	1.57	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	0.465 J	<1.00	<1.00	<1.00	<1.00
Xylenes (total)	530	26.26	<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)	200	19.5	14.2	<2.00	<2.00	<2.00	<2.00	<2.00	21.3	8.34	77.5	<2.00	<2.00
Total BTEX		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SVOCs by EPA Method 625 (ug/L)													
Acenaphthene	80	<10.0	<10.0	<10.0	<10.0	2.10 J	1.40 J	<10.0	<10.0	<10.0	<10.0	<10.0	1.50 J
Acenaphthylene	210	<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	3	55.1	<10.0	5.80 J	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Diethylphthalate	5,000	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Di-n-octylphthalate	140	<10.0	<10.0	20.2	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Anthracene	2100	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Benzo(a)anthracene	0.05	< 4.9	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Flouranthene	280	< 4.9	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Flourene	280	<10.0	<10.0	<10.0	<10.0	2.70 J	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
1-Methylnaphthalene	RL	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-Methylnaphthalene	14	4.00 J	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Naphthalene	21	17.1	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	54.3	<10.0	<10.0	<10.0	<10.0
Phenanthrene	210	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
TIC's		712.2	125.93	106.39	10.6	16.7	21.9	9.0	111.5	27.7	110.8	213.47	12.3
Pyrene	210	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EPA 200.7 / SM 3030C (ug/L)													
Lead (EPA 6010B / SM 3030C) (ug/L)	15	1.53 J	0.500 J	< 5.0	< 5.0	1.57 J	0.525 J	1.02 J	0.650 J	< 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 summed constituents were detected)

J - estimated concentration between minimum detection limit and reporting limit

B - Amount in prep blank > MDL

SOVEREIGN CONSULTING INC. 405 Oakmeads Crescent, Suite 1 Virginia Beach, Virginia 23462				SOIL BORING LOG: USTLCH4015-SB13A Client: NAVFAC Mid-Atlantic Project: Bldg LCH4015 Location: MCB Camp LeJeune, Midway Park		Date Drilled: 20 August 2007 Total Depth: 4 feet Logged By: Kurt Merkle	
				Drilling Co.: IMS Environmental Driller: Keith Drill Rig: Truck Mounted Geo-Probe Drill Method: Direct Push		Sample Method: DRO,GRO Borehole Diameter: 2" Weather: 95 F Sunny, Humid	
USCS CODE/	DEPTH (FT)	Recovery (Feet)	PID (ppm)	Lithologic Description	Remarks		
	0	4		Dark Brown Soil, dry, no odor	Moist from 3'-4'		
	1		0.0				
	2		0.0				
	3		7.5				
	4		15.0	Light Brown to Tan Sandy Soil, no odor			
			End of Soil Boring				

Notes:
 Sample @ 1300, Int 0'-2'.

SOVEREIGN CONSULTING INC. 405 Oakmeads Crescent, Suite 1 Virginia Beach, Virginia 23462				SOIL BORING LOG: USTLCH4015-SB38A Client: NAVFAC Mid-Atlantic Project: Bldg LCH4015 Location: MCB Camp LeJeune, Midway Park Date Drilled: 20 August 2007 Total Depth: 4 feet Logged By: Kurt Merkle	
				Drilling Co.: IMS Environmental Driller: Keith Drill Rig: Truck Mounted Geo-Probe Drill Method: Direct Push Sample Method: DRO,GRO Borehole Diameter: 2" Weather: 95 F Sunny, Humid	
USCS CODE/	DEPTH (FT)	Recovery (Feet)	PID (ppm)	Lithologic Description	Remarks
	0	4		Dark Brown Soil, dry, strong odor	Moist at 2' 2'-3' Product Staining
			2.0		
	1		59.0		
	2		510.0		
	3		70.9	Light Brown to Tan Sandy Soil, odor	
	4				
			End of Soil Boring		

Notes:
 Sample @ 1'-2 1310, 38A, Sample also taken at 2'-3' 1315.

SOVEREIGN CONSULTING INC. 405 Oakmeads Crescent, Suite 1 Virginia Beach, Virginia 23462				SOIL BORING LOG: USTLCH4015-SB36A		
				Client: NAVFAC Mid-Atlantic Project: Bldg LCH4015 Location: MCB Camp LeJeune, Midway Park		
				Date Drilled: 20 August 2007 Total Depth: 4 feet Logged By: Kurt Merkle		
				Drilling Co.: IMS Environmental Driller: Keith Drill Rig: Truck Mounted Geo-Probe Drill Method: Direct Push		
				Sample Method: DRO,GRO Borehole Diameter: 2" Weather: 95 F Sunny, Humid		
USCS CODE/	DEPTH (FT)	Recovery (Feet)	PID (ppm)	Lithologic Description	Remarks	
	0	4		Dark Brown Soil, dry, strong odor	Very strong odor	
			2.3			
	1				21.2	Moist 1.5'-4' 3'-4' product staining
	2				753.0	
	3				1422.0	
	4					
				End of Soil Boring		
	Notes: Sample @ 2'-3' 1325					

SOVEREIGN CONSULTING INC. 405 Oakmeads Crescent, Suite 1 Virginia Beach, Virginia 23462				SOIL BORING LOG: USTLCH4015-SB37A	
				Client: NAVFAC Mid-Atlantic Project: Bldg LCH4015 Location: MCB Camp LeJeune, Midway Park	
				Date Drilled: 20 August 2007 Total Depth: 4 feet Logged By: Kurt Merkle	
				Drilling Co.: IMS Environmental Driller: Keith Drill Rig: Truck Mounted Geo-Probe Drill Method: Direct Push	
				Sample Method: DRO,GRO Borehole Diameter: 2" Weather: 95 F Sunny, Humid	
USCS CODE/	DEPTH (FT)	Recovery (Feet)	PID (ppm)	Lithologic Description	Remarks
	0	4		Dark Brown Soil, dry, strong odor	Strong Odor 2'-4'
	1		17.0		
	2		394.0		
	3		610.0		
	4		417.0	Light Brown to Tan Sandy Soil, Coarse Sand, odor	Moisture @ 2'-4'
				End of Soil Boring	
Notes: Sample @ 1'-2' 1340					

SOVEREIGN CONSULTING INC 405 Oakmeads Crescent, Suite 1 Virginia Beach, Virginia 23462				SOIL BORING LOG: USTLCH4015-SB26A	
				Client: NAVFAC Mid-Atlantic Project: Bldg LCH4015 Location: MCB Camp LeJeune, Midway Park	Date Drilled: 20 August 2007 Total Depth: 4 feet Logged By: Kurt Merkle
				Drilling Co.: IMS Environmental Driller: Keith Drill Rig: Truck Mounted Geo-Probe Drill Method: Direct Push	Sample Method: DRO,GRO Borehole Diameter: 2" Weather: 95 F Sunny, Humid
USCS CODE/	DEPTH (FT)	Recovery (Feet)	PID (ppm)	Lithologic Description	Remarks
	0	4		Dark Brown Soil, dry, strong odor	
			0.0		
	1		1.7		
	2		4.8		
	3		5.4		
	4		Light Brown to Tan Sandy Soil, Coarse Sand, odor		
			End of Soil Boring		
Notes: Sample @ 1'-2' 1400					

SOVEREIGN CONSULTING INC. 405 Oakmeads Crescent, Suite 1 Virginia Beach, Virginia 23462				SOIL BORING LOG: USTLCH4015-SB18A	
				Client: NAVFAC Mid-Atlantic Project: Bldg LCH4015 Location: MCB Camp LeJeune, Midway Park	
				Date Drilled: 20 August 2007 Total Depth: 4 feet Logged By: Kurt Merkle	
				Drilling Co.: IMS Environmental Driller: Keith Drill Rig: Truck Mounted Geo-Probe Drill Method: Direct Push	
				Sample Method: DRO,GRO Borehole Diameter: 2" Weather: 95 F Sunny, Humid	
USCS CODE/	DEPTH (FT)	Recovery (Feet)	PID (ppm)	Lithologic Description	Remarks
	0	4		Dark Brown Soil, dry, strong odor	Moisture at 2.5'-4' Product Staining 3'-4'
			0.0		
1					
			0.0		
2				Light Brown to Tan Sandy Soil, Coarse Sand, odor	
			0.0		
3					
			0.0		
4			End of Soil Boring		
Notes: Sample @ 1'-2' 1420					

SOVEREIGN CONSULTING INC. 405 Oakmeads Crescent, Suite 1 Virginia Beach, Virginia 23462				SOIL BORING LOG: USTLCH4015-SB14A			
				Client: NAVFAC Mid-Atlantic Project: Bldg LCH4015 Location: MCB Camp LeJeune, Midway Park		Date Drilled: 20 August 2007 Total Depth: 4 feet Logged By: Kurt Merkle	
				Drilling Co.: IMS Environmental Driller: Keith Drill Rig: Truck Mounted Geo-Probe Drill Method: Direct Push		Sample Method: DRO,GRO Borehole Diameter: 2" Weather: 95 F Sunny, Humid	
USCS CODE/	DEPTH (FT)	Recovery (Feet)	PID (ppm)	Lithologic Description		Remarks	
	0	3.5		Concrete			
			6.3				
	1						
			8.0				
	2						
			39.0	Light Brown Sandy Soil, odor present			
	3						
			48.0				
	4						
				End of Soil Boring			
Notes: Sample @ 1'-2' 1435							

SOVEREIGN CONSULTING INC. 405 Oakmeads Crescent, Suite 1 Virginia Beach, Virginia 23462				SOIL BORING LOG: USTLCH4015-SB20A	
				Client: NAVFAC Mid-Atlantic Date Drilled: 20 August 2007 Project: Bldg LCH4015 Total Depth: 4 feet Location: MCB Camp LeJeune, Midway Park Logged By: Kurt Merkle	
				Drilling Co.: IMS Environmental Driller: Keith Drill Rig: Truck Mounted Geo-Probe Drill Method: Direct Push	
				Sample Method: DRO,GRO Borehole Diameter: 2" Weather: 95 F Sunny, Humid	
USCS CODE/	DEPTH (FT)	Recovery (Feet)	PID (ppm)	Lithologic Description	Remarks
	0	3.5		Mixed Backfill Material	Moisture 2'-4'
	1		0.0		
	2		5.8		
		23.0	Light Brown Sandy Soil, Slight Odor		
	3				
	4		28.5	End of Soil Boring	
Notes: Sample @ 1'-2' 1450					

SOVEREIGN CONSULTING INC. 405 Oakmeads Crescent, Suite 1 Virginia Beach, Virginia 23462				SOIL BORING LOG: USTLCH4015-SB24A	
				Client: NAVFAC Mid-Atlantic Project: Bldg LCH4015 Location: MCB Camp LeJeune, Midway Park	Date Drilled: 20 August 2007 Total Depth: 4 feet Logged By: Kurt Merkle
				Drilling Co.: IMS Environmental Driller: Keith Drill Rig: Truck Mounted Geo-Probe Drill Method: Direct Push	Sample Method: DRO,GRO Borehole Diameter: 2" Weather: 95 F Sunny, Humid
USCS CODE/	DEPTH (FT)	Recovery (Feet)	PID (ppm)	Lithologic Description	Remarks
	0	3.5		Mixed Backfill Material/Mixed Gravel, Coarse Sand Light Brown Sandy Soil Dark Brown Sandy Soil End of Soil Boring	
			1.5		
	1		3.2		
	2		0.0		
	3		0.0		
	4				
Notes: Sample @ 2'-4' 1515					

APPENDIX B

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



Mr. Chris Murray
Sovereign Consulting
405 Oakmeads Crescent
Suite 1
Virginia Beach VA 23462
Report Number: G650-118
Client Project: NV019

Dear Mr. Murray:

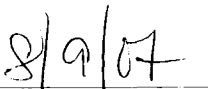
Enclosed are the results of the analytical services performed under the referenced project. The samples are certified to meet the requirements of the National Environmental Laboratory Accreditation Conference Standards. Copies of this report and supporting data will be retained in our files for a period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


Laboratory Director
J. Patrick Weaver


Date



CASE NARRATIVE

Date: August 9, 2007

Sovereign Consulting Project ID: NV019 LCH4015
SGS Environmental ID: G650-118

Twenty five water samples were submitted to the laboratory for analysis by methods 602, 625+10 tics and Pb by 3030c. The samples were received in good condition and within temperature limits.

All analyses were completed within holding time and without quality control problems with the following exceptions.

The first three samples from this set were received and digested for Pb by 3030c outside of the method specified holding time. The affected samples were USTLCH4015-MW14, MW13 and MW12. The results have been included in the report.

The 625 analysis for samples USTLCH4015-MW20, MW15, and the duplicate were extracted within holding time. However, several of the surrogates recovered below the control limit in these extractions. There was insufficient volume for re-extraction for sample MW-20 because this sample was chosen for the MS/MSD during the initial extraction. The other two samples were re-extracted and all surrogates passed recovery limits. However, the re-extractions were performed outside of the 7-day holding time limit.

Results for both extractions are included in the following summary report.

**Results for Volatiles**

by GC 602

Client Sample ID: USTLCH4015-MW14

Analyzed By: RSB

Client Project ID: NV019

Date Collected: 7/23/2007 15:59

Lab Sample ID: G650-118-1D

Date Received: 7/26/2007

Lab Project ID: G650-118

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.183	1	7/31/2007	
Diisopropyl ether (DIPE)	BQL	1.00	0.229	1	7/31/2007	
Ethylbenzene	BQL	1.00	0.181	1	7/31/2007	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.359	1	7/31/2007	
Toluene	BQL	1.00	0.157	1	7/31/2007	
m/p-Xylene	BQL	2.00	0.481	1	7/31/2007	
o-Xylene	BQL	2.00	0.584	1	7/31/2007	

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	40.3	101

Comments:

All values corrected for dilution.

BQL = Below quantitation limit.

**Results for Volatiles**

by GC 602

Client Sample ID: USTLCH4015-TRIP BLANK

Analyzed By: RSB

Client Project ID: NV019

Date Collected: 7/23/2007 0:00

Lab Sample ID: G650-118-2G

Date Received: 7/26/2007

Lab Project ID: G650-118

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.183	1	8/1/2007	
Diisopropyl ether (DIPE)	BQL	1.00	0.229	1	8/1/2007	
Ethylbenzene	BQL	1.00	0.181	1	8/1/2007	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.359	1	8/1/2007	
Toluene	BQL	1.00	0.157	1	8/1/2007	
m/p-Xylene	BQL	2.00	0.481	1	8/1/2007	
o-Xylene	BQL	2.00	0.584	1	8/1/2007	

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	40.8	102

Comments:

All values corrected for dilution.

BQL = Below quantitation limit.

**Results for Volatiles**

by GC 602

Client Sample ID: USTLCH4015-MW13

Analyzed By: RSB

Client Project ID: NV019

Date Collected: 7/23/2007 16:38

Lab Sample ID: G650-118-3D

Date Received: 7/26/2007

Lab Project ID: G650-118

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.183	1	7/31/2007	
Diisopropyl ether (DIPE)	BQL	1.00	0.229	1	7/31/2007	
Ethylbenzene	BQL	1.00	0.181	1	7/31/2007	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.359	1	7/31/2007	
Toluene	BQL	1.00	0.157	1	7/31/2007	
m/p-Xylene	BQL	2.00	0.481	1	7/31/2007	
o-Xylene	BQL	2.00	0.584	1	7/31/2007	

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	40.8	102

Comments:

All values corrected for dilution.

BQL = Below quantitation limit.

**Results for Volatiles**

by GC 602

Client Sample ID: USTLCH4015-MW12

Analyzed By: RSB

Client Project ID: NV019

Date Collected: 7/23/2007 17:22

Lab Sample ID: G650-118-4D

Date Received: 7/26/2007

Lab Project ID: G650-118

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.183	1	7/31/2007	
Diisopropyl ether (DIPE)	BQL	1.00	0.229	1	7/31/2007	
Ethylbenzene	BQL	1.00	0.181	1	7/31/2007	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.359	1	7/31/2007	
Toluene	BQL	1.00	0.157	1	7/31/2007	
m/p-Xylene	BQL	2.00	0.481	1	7/31/2007	
o-Xylene	BQL	2.00	0.584	1	7/31/2007	

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	40.5	101

Comments:

All values corrected for dilution.

BQL = Below quantitation limit.

**Results for Volatiles**

by GC 602

Client Sample ID: USTLCH4015-MW21

Analyzed By: RSB

Client Project ID: NV019

Date Collected: 7/24/2007 9:32

Lab Sample ID: G650-118-5D

Date Received: 7/26/2007

Lab Project ID: G650-118

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	21.0	1.00	0.183	1	7/31/2007	
Diisopropyl ether (DIPE)	0.378	1.00	0.229	1	7/31/2007	J
Ethylbenzene	1.31	1.00	0.181	1	7/31/2007	
Methyl-tert butyl ether (MTBE)	19.4	2.00	0.359	1	7/31/2007	
Toluene	BQL	1.00	0.157	1	7/31/2007	
m/p-Xylene	BQL	2.00	0.481	1	7/31/2007	
o-Xylene	BQL	2.00	0.584	1	7/31/2007	

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	38.9	97.4

Comments:

All values corrected for dilution.

BQL = Below quantitation limit.

**Results for Volatiles**

by GC 602

Client Sample ID: USTLCH4015-MW19

Analyzed By: RSB

Client Project ID: NV019

Date Collected: 7/24/2007 10:04

Lab Sample ID: G650-118-6D

Date Received: 7/26/2007

Lab Project ID: G650-118

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.183	1	7/31/2007	
Diisopropyl ether (DIPE)	BQL	1.00	0.229	1	7/31/2007	
Ethylbenzene	BQL	1.00	0.181	1	7/31/2007	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.359	1	7/31/2007	
Toluene	BQL	1.00	0.157	1	7/31/2007	
m/p-Xylene	BQL	2.00	0.481	1	7/31/2007	
o-Xylene	BQL	2.00	0.584	1	7/31/2007	

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	40.3	101

Comments:

All values corrected for dilution.

BQL = Below quantitation limit.

**Results for Volatiles**

by GC 602

Client Sample ID: USTLCH4015-MW18

Analyzed By: RSB

Client Project ID: NV019

Date Collected: 7/24/2007 10:25

Lab Sample ID: G650-118-7E

Date Received: 7/26/2007

Lab Project ID: G650-118

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.183	1	8/1/2007	
Diisopropyl ether (DIPE)	BQL	1.00	0.229	1	8/1/2007	
Ethylbenzene	BQL	1.00	0.181	1	8/1/2007	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.359	1	8/1/2007	
Toluene	BQL	1.00	0.157	1	8/1/2007	
m/p-Xylene	BQL	2.00	0.481	1	8/1/2007	
o-Xylene	BQL	2.00	0.584	1	8/1/2007	

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	43.1	108

Comments:

All values corrected for dilution.

BQL = Below quantitation limit.

**Results for Volatiles**

by GC 602

Client Sample ID: USTLCH4015-MW22

Analyzed By: RSB

Client Project ID: NV019

Date Collected: 7/24/2007 11:24

Lab Sample ID: G650-118-8E

Date Received: 7/26/2007

Lab Project ID: G650-118

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.183	1	8/1/2007	
Diisopropyl ether (DIPE)	BQL	1.00	0.229	1	8/1/2007	
Ethylbenzene	BQL	1.00	0.181	1	8/1/2007	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.359	1	8/1/2007	
Toluene	BQL	1.00	0.157	1	8/1/2007	
m/p-Xylene	BQL	2.00	0.481	1	8/1/2007	
o-Xylene	BQL	2.00	0.584	1	8/1/2007	

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	40.6	101

Comments:

All values corrected for dilution.

BQL = Below quantitation limit.

Reviewed By: 

GC-VOA_WA

**Results for Volatiles**

by GC 602

Client Sample ID: USTLCH4015-MW20

Analyzed By: RSB

Client Project ID: NV019

Date Collected: 7/24/2007 12:12

Lab Sample ID: G650-118-9E

Date Received: 7/26/2007

Lab Project ID: G650-118

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.183	1	8/1/2007	
Diisopropyl ether (DIPE)	BQL	1.00	0.229	1	8/1/2007	
Ethylbenzene	BQL	1.00	0.181	1	8/1/2007	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.359	1	8/1/2007	
Toluene	BQL	1.00	0.157	1	8/1/2007	
m/p-Xylene	BQL	2.00	0.481	1	8/1/2007	
o-Xylene	BQL	2.00	0.584	1	8/1/2007	

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	41.1	103

Comments:

All values corrected for dilution.

BQL = Below quantitation limit.

**Results for Volatiles**

by GC 602

Client Sample ID: USTLCH4015-MW02

Analyzed By: RSB

Client Project ID: NV019

Date Collected: 7/24/2007 12:39

Lab Sample ID: G650-118-10E

Date Received: 7/26/2007

Lab Project ID: G650-118

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	3.16	1.00	0.183	1	8/1/2007	
Diisopropyl ether (DIPE)	BQL	1.00	0.229	1	8/1/2007	
Ethylbenzene	2.76	1.00	0.181	1	8/1/2007	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.359	1	8/1/2007	
Toluene	BQL	1.00	0.157	1	8/1/2007	
m/p-Xylene	11.5	2.00	0.481	1	8/1/2007	
o-Xylene	BQL	2.00	0.584	1	8/1/2007	

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	42.1	105

Comments:

All values corrected for dilution.

BQL = Below quantitation limit.

**Results for Volatiles**

by GC 602

Client Sample ID: USTLCH4015-MW23

Analyzed By: RSB

Client Project ID: NV019

Date Collected: 7/24/2007 16:36

Lab Sample ID: G650-118-11E

Date Received: 7/26/2007

Lab Project ID: G650-118

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	46.3	4.00	0.732	4	8/1/2007	
Diisopropyl ether (DIPE)	3.24	4.00	0.916	4	8/1/2007	J
Ethylbenzene	BQL	4.00	0.724	4	8/1/2007	
Methyl-tert butyl ether (MTBE)	42.3	8.00	1.44	4	8/1/2007	
Toluene	BQL	4.00	0.628	4	8/1/2007	
m/p-Xylene	BQL	8.00	1.92	4	8/1/2007	
o-Xylene	BQL	8.00	2.34	4	8/1/2007	

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	38.8	97

Comments:

All values corrected for dilution.

BQL = Below quantitation limit.

**Results for Volatiles**

by GC 602

Client Sample ID: USTLCH4015-MW01

Analyzed By: RSB

Client Project ID: NV019

Date Collected: 7/24/2007 17:12

Lab Sample ID: G650-118-12D

Date Received: 7/26/2007

Lab Project ID: G650-118

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	9.74	8.00	1.46	8	7/31/2007	
Diisopropyl ether (DIPE)	BQL	8.00	1.83	8	7/31/2007	
Ethylbenzene	145	8.00	1.45	8	7/31/2007	
Methyl-tert butyl ether (MTBE)	BQL	16.0	2.87	8	7/31/2007	
Toluene	BQL	8.00	1.26	8	7/31/2007	
m/p-Xylene	293	16.0	3.85	8	7/31/2007	
o-Xylene	BQL	16.0	4.67	8	7/31/2007	

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	42.1	105

Comments:

All values corrected for dilution.

BQL = Below quantitation limit.

**Results for Volatiles**

by GC 602

Client Sample ID: USTLCH4015-MW07

Analyzed By: RSB

Client Project ID: NV019

Date Collected: 7/24/2007 17:57

Lab Sample ID: G650-118-13E

Date Received: 7/26/2007

Lab Project ID: G650-118

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.183	1	8/1/2007	
Diisopropyl ether (DIPE)	BQL	1.00	0.229	1	8/1/2007	
Ethylbenzene	BQL	1.00	0.181	1	8/1/2007	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.359	1	8/1/2007	
Toluene	BQL	1.00	0.157	1	8/1/2007	
m/p-Xylene	BQL	2.00	0.481	1	8/1/2007	
o-Xylene	BQL	2.00	0.584	1	8/1/2007	

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	40.8	102

Comments:

All values corrected for dilution.

BQL = Below quantitation limit.

**Results for Volatiles**

by GC 602

Client Sample ID: USTLCH4015-MW16

Analyzed By: RSB

Client Project ID: NV019

Date Collected: 7/24/2007 18:22

Lab Sample ID: G650-118-14E

Date Received: 7/26/2007

Lab Project ID: G650-118

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.183	1	8/1/2007	
Diisopropyl ether (DIPE)	BQL	1.00	0.229	1	8/1/2007	
Ethylbenzene	BQL	1.00	0.181	1	8/1/2007	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.359	1	8/1/2007	
Toluene	BQL	1.00	0.157	1	8/1/2007	
m/p-Xylene	BQL	2.00	0.481	1	8/1/2007	
o-Xylene	BQL	2.00	0.584	1	8/1/2007	

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	41.0	102

Comments:

All values corrected for dilution.

BQL = Below quantitation limit.

**Results for Volatiles**

by GC 602

Client Sample ID: USTLCH4015-MW15

Analyzed By: RSB

Client Project ID: NV019

Date Collected: 7/24/2007 19:01

Lab Sample ID: G650-118-15E

Date Received: 7/26/2007

Lab Project ID: G650-118

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.183	1	8/1/2007	
Diisopropyl ether (DIPE)	BQL	1.00	0.229	1	8/1/2007	
Ethylbenzene	BQL	1.00	0.181	1	8/1/2007	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.359	1	8/1/2007	
Toluene	BQL	1.00	0.157	1	8/1/2007	
m/p-Xylene	BQL	2.00	0.481	1	8/1/2007	
o-Xylene	BQL	2.00	0.584	1	8/1/2007	

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	40.6	102

Comments:

All values corrected for dilution.

BQL = Below quantitation limit.

**Results for Volatiles**

by GC 602

Client Sample ID: USTLCH4015-MW08

Analyzed By: RSB

Client Project ID: NV019

Date Collected: 7/25/2007 9:17

Lab Sample ID: G650-118-16E

Date Received: 7/26/2007

Lab Project ID: G650-118

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.183	1	8/1/2007	
Diisopropyl ether (DIPE)	BQL	1.00	0.229	1	8/1/2007	
Ethylbenzene	BQL	1.00	0.181	1	8/1/2007	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.359	1	8/1/2007	
Toluene	BQL	1.00	0.157	1	8/1/2007	
m/p-Xylene	BQL	2.00	0.481	1	8/1/2007	
o-Xylene	BQL	2.00	0.584	1	8/1/2007	

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	40.7	102

Comments:

All values corrected for dilution.

BQL = Below quantitation limit.

**Results for Volatiles**

by GC 602

Client Sample ID: USTLCH4015-MW04

Analyzed By: RSB

Client Project ID: NV019

Date Collected: 7/25/2007 9:39

Lab Sample ID: G650-118-17E

Date Received: 7/26/2007

Lab Project ID: G650-118

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.183	1	8/1/2007	
Diisopropyl ether (DIPE)	BQL	1.00	0.229	1	8/1/2007	
Ethylbenzene	BQL	1.00	0.181	1	8/1/2007	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.359	1	8/1/2007	
Toluene	BQL	1.00	0.157	1	8/1/2007	
m/p-Xylene	BQL	2.00	0.481	1	8/1/2007	
o-Xylene	BQL	2.00	0.584	1	8/1/2007	

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	40.9	102

Comments:

All values corrected for dilution.

BQL = Below quantitation limit.

**Results for Volatiles**

by GC 602

Client Sample ID: USTLCH4015-MW05

Analyzed By: RSB

Client Project ID: NV019

Date Collected: 7/25/2007 10:47

Lab Sample ID: G650-118-18E

Date Received: 7/26/2007

Lab Project ID: G650-118

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.183	1	8/1/2007	
Diisopropyl ether (DIPE)	BQL	1.00	0.229	1	8/1/2007	
Ethylbenzene	BQL	1.00	0.181	1	8/1/2007	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.359	1	8/1/2007	
Toluene	BQL	1.00	0.157	1	8/1/2007	
m/p-Xylene	BQL	2.00	0.481	1	8/1/2007	
o-Xylene	BQL	2.00	0.584	1	8/1/2007	

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	40.5	101

Comments:

All values corrected for dilution.

BQL = Below quantitation limit.

**Results for Volatiles**

by GC 602

Client Sample ID: USTLCH4015-MW03

Analyzed By: RSB

Client Project ID: NV019

Date Collected: 7/25/2007 11:17

Lab Sample ID: G650-118-19E

Date Received: 7/26/2007

Lab Project ID: G650-118

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.183	1	8/1/2007	
Diisopropyl ether (DIPE)	BQL	1.00	0.229	1	8/1/2007	
Ethylbenzene	BQL	1.00	0.181	1	8/1/2007	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.359	1	8/1/2007	
Toluene	BQL	1.00	0.157	1	8/1/2007	
m/p-Xylene	BQL	2.00	0.481	1	8/1/2007	
o-Xylene	BQL	2.00	0.584	1	8/1/2007	

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	42.2	106

Comments:

All values corrected for dilution.

BQL = Below quantitation limit.

**Results for Volatiles**

by GC 602

Client Sample ID: USTLCH4015-MW09

Analyzed By: RSB

Client Project ID: NV019

Date Collected: 7/25/2007 11:40

Lab Sample ID: G650-118-20E

Date Received: 7/26/2007

Lab Project ID: G650-118

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.183	1	8/1/2007	
Diisopropyl ether (DIPE)	BQL	1.00	0.229	1	8/1/2007	
Ethylbenzene	BQL	1.00	0.181	1	8/1/2007	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.359	1	8/1/2007	
Toluene	BQL	1.00	0.157	1	8/1/2007	
m/p-Xylene	BQL	2.00	0.481	1	8/1/2007	
o-Xylene	BQL	2.00	0.584	1	8/1/2007	

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	40.3	101

Comments:

All values corrected for dilution.

BQL = Below quantitation limit.

**Results for Volatiles**

by GC 602

Client Sample ID: USTLCH4015-MW24

Analyzed By: RSB

Client Project ID: NV019

Date Collected: 7/25/2007 12:07

Lab Sample ID: G650-118-21E

Date Received: 7/26/2007

Lab Project ID: G650-118

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.183	1	8/1/2007	
Diisopropyl ether (DIPE)	BQL	1.00	0.229	1	8/1/2007	
Ethylbenzene	BQL	1.00	0.181	1	8/1/2007	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.359	1	8/1/2007	
Toluene	BQL	1.00	0.157	1	8/1/2007	
m/p-Xylene	BQL	2.00	0.481	1	8/1/2007	
o-Xylene	BQL	2.00	0.584	1	8/1/2007	

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	43.1	108

Comments:

All values corrected for dilution.

BQL = Below quantitation limit.

**Results for Volatiles**

by GC 602

Client Sample ID: USTLCH4015-MW10

Analyzed By: RSB

Client Project ID: NV019

Date Collected: 7/25/2007 12:36

Lab Sample ID: G650-118-22E

Date Received: 7/26/2007

Lab Project ID: G650-118

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.183	1	8/2/2007	
Diisopropyl ether (DIPE)	BQL	1.00	0.229	1	8/2/2007	
Ethylbenzene	BQL	1.00	0.181	1	8/2/2007	
Methyl-tert butyl ether (MTBE)	0.587	2.00	0.359	1	8/2/2007	J
Toluene	BQL	1.00	0.157	1	8/2/2007	
m/p-Xylene	BQL	2.00	0.481	1	8/2/2007	
o-Xylene	BQL	2.00	0.584	1	8/2/2007	

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	41.1	103

Comments:

All values corrected for dilution.

BQL = Below quantitation limit.

**Results for Volatiles**

by GC 602

Client Sample ID: USTLCH4015-MW06

Analyzed By: RSB

Client Project ID: NV019

Date Collected: 7/25/2007 13:06

Lab Sample ID: G650-118-23E

Date Received: 7/26/2007

Lab Project ID: G650-118

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.183	1	8/2/2007	
Diisopropyl ether (DIPE)	BQL	1.00	0.229	1	8/2/2007	
Ethylbenzene	BQL	1.00	0.181	1	8/2/2007	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.359	1	8/2/2007	
Toluene	BQL	1.00	0.157	1	8/2/2007	
m/p-Xylene	BQL	2.00	0.481	1	8/2/2007	
o-Xylene	BQL	2.00	0.584	1	8/2/2007	

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	40.9	102

Comments:

All values corrected for dilution.

BQL = Below quantitation limit.

**Results for Volatiles**

by GC 602

Client Sample ID: USTLCH4015-MW11

Analyzed By: RSB

Client Project ID: NV019

Date Collected: 7/25/2007 13:36

Lab Sample ID: G650-118-24E

Date Received: 7/26/2007

Lab Project ID: G650-118

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.183	1	8/2/2007	
Diisopropyl ether (DIPE)	BQL	1.00	0.229	1	8/2/2007	
Ethylbenzene	5.04	1.00	0.181	1	8/2/2007	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.359	1	8/2/2007	
Toluene	BQL	1.00	0.157	1	8/2/2007	
m/p-Xylene	BQL	2.00	0.481	1	8/2/2007	
o-Xylene	BQL	2.00	0.584	1	8/2/2007	

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	40.7	102

Comments:

All values corrected for dilution.

BQL = Below quantitation limit.

**Results for Volatiles**

by GC 602

Client Sample ID: USTLCH4015-DUPLICATE

Analyzed By: RSB

Client Project ID: NV019

Date Collected: 7/24/2007 0:00

Lab Sample ID: G650-118-25E

Date Received: 7/26/2007

Lab Project ID: G650-118

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	46.2	4.00	0.732	4	8/1/2007	
Diisopropyl ether (DIPE)	3.21	4.00	0.916	4	8/1/2007	J
Ethylbenzene	BQL	4.00	0.724	4	8/1/2007	
Methyl-tert butyl ether (MTBE)	44.9	8.00	1.44	4	8/1/2007	
Toluene	BQL	4.00	0.628	4	8/1/2007	
m/p-Xylene	BQL	8.00	1.92	4	8/1/2007	
o-Xylene	BQL	8.00	2.34	4	8/1/2007	

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	38.7	96.8

Comments:

All values corrected for dilution.

BQL = Below quantitation limit.

**Results for Volatiles**

by GC 602

Client Sample ID: Method Blank

Analyzed By: RSB

Client Project ID:

Date Collected:

Lab Sample ID: VBLK1073107A

Date Received:

Lab Project ID:

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.183	1	7/31/2007	
Diisopropyl ether (DIPE)	BQL	1.00	0.229	1	7/31/2007	
Ethylbenzene	BQL	1.00	0.181	1	7/31/2007	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.359	1	7/31/2007	
Toluene	BQL	1.00	0.157	1	7/31/2007	
m/p-Xylene	BQL	2.00	0.481	1	7/31/2007	
o-Xylene	BQL	2.00	0.584	1	7/31/2007	

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	40.7	102

Comments:

All values corrected for dilution.

BQL = Below quantitation limit.

Summary Results for QC Check

Method : 601

Filename : 1073107/002F

Compound	SA	Result	Rec	F	QC Limits	
	ug/L	ug/L	(%)		Lower	Upper
Bromodichloromethane	20.0	18.7	93.7		76.0	124.0
Bromoform	20.0	18.6	92.9		73.5	126.5
Bromomethane	20.0	17.9	89.4		58.5	141.5
Carbon tetrachloride	40.0	39.7	99.2		68.5	131.5
Chlorobenzene	20.0	19.6	97.8		72.0	128.0
Chloroethane	20.0	18.0	90.0		77.0	123.0
Chloroform	20.0	19.5	97.7		75.0	125.0
Chloromethane	20.0	19.6	97.8		59.5	140.5
Dibromochloromethane	20.0	19.0	95.1		65.5	134.5
1,2-Dibromoethane	20.0	19.1	95.4		13.6	186.4
1,2-Dichlorobenzene	20.0	19.4	97.1		70.0	130.0
1,3-Dichlorobenzene	20.0	19.9	99.4		49.5	150.5
1,4-Dichlorobenzene	20.0	19.8	99.2		69.5	130.5
1,1-Dichloroethane	20.0	19.8	99.0		84.0	116.0
1,2-Dichloroethane	20.0	19.3	96.6		71.5	128.5
1,1-Dichloroethene	20.0	18.8	94.1		63.0	137.0
cis-1,2-Dichloroethene	40.0	42.4	105.9		34.4	180.6
trans-1,2-Dichloroethene	20.0	19.3	96.6		64.0	136.0
1,2-Dichloropropane	20.0	19.5	97.7		74.0	126.0
cis-1,3-Dichloropropene	20.0	19.2	96.0		64.0	136.0
trans-1,3-Dichloropropene	20.0	19.1	95.5		64.0	136.0
Methylene Chloride	20.0	18.9	94.6		77.5	122.5
1,1,2,2-Tetrachloroethane	60.0	57.2	95.4		49.0	151.0
Tetrachloroethene	40.0	39.1	97.8		70.0	130.0
1,1,1-Trichloroethane	20.0	19.5	97.7		71.0	129.0
1,1,2-Trichloroethane	20.0	18.9	94.7		78.5	121.5
Trichloroethene	20.0	19.6	98.0		77.0	123.0
Trichlorofluoromethane	20.0	18.1	90.3		66.5	133.5
Vinyl Chloride	20.0	18.0	89.8		68.5	131.5

Method: 602

Filename : 1073107/002r

Compound	SA	Result	Rec	F	QC Limits	
	ug/L	ug/L	(%)		Lower	Upper
Benzene	20.0	20.5	102.5		77.0	123.0
Chlorobenzene	20.0	20.4	101.9		80.5	119.5
1,2-Dichlorobenzene	40.0	41.7	104.2		68.0	132.0
1,3-Dichlorobenzene	20.0	20.6	103.1		72.5	127.5
1,4-Dichlorobenzene	40.0	41.8	104.4		69.5	130.5
Diisopropyl ether	20.0	19.7	98.5		43.1	156.9
Ethylbenzene	20.0	21.2	106.1		63.0	137.0
MTBE	40.0	38.7	96.9		46.8	153.2
Toluene	20.0	20.8	103.8		77.5	127.0
m,p-Xylene	40.0	42.4	105.9		11.2	188.8
o-Xylene	40.0	41.8	104.5		47.6	152.4

Flags :

- + = out of QC limits.
- = lab generated limits.
- D = Detected
- SA = Spiked Amount

Summary Results for Laboratory Control Spike

Method : 601

Filename : 1073107/004F

Compound	SA	Result	Rec	F	LCS Limits	
	ug/L	ug/L	(%)		Lower	Upper
Bromodichloromethane	10.0	9.6	96.0		42	172
Bromoform	10.0	9.5	94.9		13	159
Bromomethane	10.0	10.6	106.1		0	144
Carbon tetrachloride	20.0	20.6	102.8		43	143
Chlorobenzene	10.0	10.0	100.0		38	150
Chloroethane	10.0	10.6	106.5		46	137
Chloroform	10.0	10.0	100.5		49	133
Chloromethane	10.0	11.5	114.8		0	193
Dibromochloromethane	10.0	9.7	96.8		24	191
• 1,2-Dibromoethane	10.0	9.6	96.3		0	206
1,2-Dichlorobenzene	10.0	10.1	101.2		0	208
1,3-Dichlorobenzene	10.0	10.3	102.7		7	187
1,4-Dichlorobenzene	10.0	10.1	101.0		42	143
1,1-Dichloroethane	10.0	10.1	100.9		47	132
1,2-Dichloroethane	10.0	10.0	99.7		51	147
1,1-Dichloroethene	10.0	9.9	98.9		28	167
• cis-1,2-Dichloroethene	20.0	22.0	110.0		19	181
trans-1,2-Dichloroethene	10.0	10.0	100.2		38	155
1,2-Dichloropropane	10.0	10.4	103.7		44	156
cis-1,3-Dichloropropene	10.0	9.8	97.8		22	178
trans-1,3-Dichloropropene	10.0	9.7	97.3		22	178
Methylene Chloride	10.0	9.2	92.0		25	162
1,1,2,2-Tetrachloroethane	30.0	29.7	98.9		8	184
Tetrachloroethane	10.0	10.4	104.5		26	162
1,1,1-Trichloroethane	10.0	10.0	100.2		41	138
1,1,2-Trichloroethane	10.0	10.0	99.8		39	136
Trichloroethene	10.0	10.1	100.8		35	146
Trichlorofluoromethane	10.0	10.6	106.2		21	156
Vinyl Chloride	10.0	10.9	109.1		28	163

Method: 602

Filename : 1073107/004r

Compound	SA	Result	Rec	F	LCS Limits	
	ug/L	ug/L	(%)		Lower	Upper
Benzene	10.0	10.4	103.7		39	150
Chlorobenzene	10.0	10.4	104.3		55	135
1,2-Dichlorobenzene	20.0	21.3	106.7		37	154
1,3-Dichlorobenzene	10.0	10.7	106.6		50	141
1,4-Dichlorobenzene	20.0	21.6	108.0		42	143
• Diisopropyl ether	10.0	10.0	99.9		30	170
Ethylbenzene	10.0	10.9	109.0		32	160
• MTBE	20.0	19.7	98.4		35	165
Toluene	10.0	10.6	106.0		46	148
• m,p-Xylene	20.0	21.8	109.2		0	239
• o-Xylene	20.0	21.6	108.0		36	164

Flags :

- + = out of QC limits.
- = lab generated limits.
- D = Detected
- SA = Spiked Amount

Method : 601

Summary Results for MS-MSD

Sample : 1073107/015F::1073107/015R

MS : 1073107/017F::1073107/017R

MSD : 1073107/018F::1073107/018R

Compound	SA	µg/L			REC(%)		REC Limits	
		Sam.	MS	MSD	MS	MSD	Lower	Upper
Bromodichloromethane	10.0	ND	9.4	8.5	93	84	42	172
Bromoform	10.0	ND	9.6	8.8	96	88	13	159
Bromomethane	10.0	ND	8.6	9.6	86	96	D	144
Carbon tetrachloride	20.0	ND	19.8	19.1	99	95	43	143
Chlorobenzene	10.0	ND	9.4	9.0	94	90	38	150
Chloroethane	10.0	ND	8.6	9.5	86	95	46	137
Chloroform	10.0	ND	9.9	9.4	99	94	49	133
Chloromethane	10.0	ND	10.0	10.7	95	102	D	193
Dibromochloromethane	10.0	ND	9.5	9.1	95	91	24	191
1,2-Dibromoethane	10.0	ND	9.7	8.8	97	88	D	206
1,2-Dichlorobenzene	10.0	ND	10.0	9.3	100	93	D	208
1,3-Dichlorobenzene	10.0	ND	9.6	9.3	96	93	7	187
1,4-Dichlorobenzene	10.0	ND	9.9	9.4	99	94	42	143
1,1-Dichloroethane	10.0	ND	9.7	9.1	97	91	47	132
1,2-Dichloroethane	10.0	ND	9.8	9.1	98	91	51	147
1,1-Dichloroethene	10.0	ND	9.4	8.7	94	87	28	167
cis-1,2-Dichloroethene	20.0	ND	21.2	20.1	106	100	19	181
trans-1,2-Dichloroethene	10.0	ND	9.7	9.1	97	91	38	155
1,2-Dichloropropane	10.0	ND	10.0	9.3	94	87	44	156
cis-1,3-Dichloropropene	10.0	ND	9.5	8.7	95	87	22	178
trans-1,3-Dichloropropene	10.0	ND	9.3	8.9	93	89	22	178
Methylene Chloride	10.0	ND	9.2	8.7	101	97	25	162
1,1,2,2-Tetrachloroethane	20.0	ND	29.7	28.2	149	141	8	184
Tetrachloroethane	20.0	ND	19.9	18.7	103	96	26	162
1,1,1-Trichloroethane	10.0	ND	9.8	9.3	98	93	41	138
1,1,2-Trichloroethane	10.0	ND	9.8	9.3	98	93	39	136
Trichloroethene	10.0	ND	9.8	9.1	98	91	35	146
Trichlorofluoromethane	10.0	ND	8.6	9.3	86	93	21	156
Vinyl Chloride	10.0	ND	8.6	9.9	82	95	28	163

Method: 602

Compound	SA	µg/L			P(%)		P Limits	
		Sam.	MS	MSD	MS	MSD	Lower	Upper
Benzene	10.0	ND	10.7	10.3	107	103	39	150
Chlorobenzene	10.0	ND	10.0	9.5	100	95	55	135
1,2-Dichlorobenzene	20.0	ND	20.6	19.8	104	101	37	154
1,3-Dichlorobenzene	10.0	ND	10.1	9.8	106	103	50	141
1,4-Dichlorobenzene	20.0	ND	19.5	18.8	93	89	42	143
Diisopropyl ether	10.0	ND	10.7	10.1	111	105	30	170
Ethylbenzene	10.0	1.5	12.4	12.0	109	105	32	160
MTBE	20.0	ND	19.2	18.5	102	98	35	165
Toluene	10.0	17.8	27.5	27.2	97	95	46	148
m,p-Xylene	20.0	9.8	31.4	30.6	108	104	D	239
o-Xylene	20.0	3.9	25.4	24.6	108	104	36	164

Flags :

- + = out of QC limits.
- = lab generated limits.
- D = Detected
- ND = None Detected
- SA = Spike Added

**Results for Volatiles**

by GC 602

Client Sample ID: Method Blank

Analyzed By: RSB

Client Project ID:

Date Collected:

Lab Sample ID: VBLK1073107B

Date Received:

Lab Project ID:

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.183	1	8/1/2007	
Diisopropyl ether (DIPE)	BQL	1.00	0.229	1	8/1/2007	
Ethylbenzene	BQL	1.00	0.181	1	8/1/2007	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.359	1	8/1/2007	
Toluene	BQL	1.00	0.157	1	8/1/2007	
m/p-Xylene	BQL	2.00	0.481	1	8/1/2007	
o-Xylene	BQL	2.00	0.584	1	8/1/2007	

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	40.8	102

Comments:

All values corrected for dilution.

BQL = Below quantitation limit.

Summary Results for QC Check

Method: 602

Filename : 1073107/024r

Compound	SA	Result	Rec	QC Limits	
	ug/L	ug/L	(%)	Lower	Upper
Benzene	20.0	18.3	91.7	77.0	123.0
Chlorobenzene	20.0	18.3	91.3	80.5	119.5
1,2-Dichlorobenzene	40.0	37.5	93.8	68.0	132.0
1,3-Dichlorobenzene	20.0	18.8	93.9	72.5	127.5
1,4-Dichlorobenzene	40.0	37.6	94.0	69.5	130.5
• Diisopropyl ether	20.0	17.6	87.9	43.1	156.9
Ethylbenzene	20.0	19.1	95.3	63.0	137.0
• MTBE	40.0	34.5	86.3	46.8	153.2
Toluene	20.0	18.7	93.5	77.5	127.0
• m,p-Xylene	40.0	38.2	95.6	11.2	188.8
• o-Xylene	40.0	37.9	94.9	47.6	152.4

Flags :

- + = out of QC limits.
- = lab generated limits.
- D = Detected
- SA = Spiked Amount

Summary Results for Laboratory Control Spike

Method: 602

Filename : 1073107/026r

Compound	SA	Result	Rec	LCS Limits	
	ug/L	ug/L	(%)	Lower	Upper
Benzene	10.0	9.3	93.0	39	150
Chlorobenzene	10.0	9.2	92.3	55	135
1,2-Dichlorobenzene	20.0	18.5	92.7	37	154
1,3-Dichlorobenzene	10.0	9.4	94.5	50	141
1,4-Dichlorobenzene	20.0	19.0	94.8	42	143
• Diisopropyl ether	10.0	8.9	88.6	30	170
Ethylbenzene	10.0	9.7	96.6	32	160
• MTBE	20.0	17.5	87.7	35	165
Toluene	10.0	9.6	95.6	46	148
• m,p-Xylene	20.0	19.3	96.4	0	239
• o-Xylene	20.0	19.2	95.8	36	164

Flags :

- + = out of QC limits.
- ♦ = lab generated limits.
- D = Detected
- SA = Spiked Amount

Summary Results for MS-MSD

Method: 882

Sample : 1073107/039F::1073107/039R

MS : 1073107/041F::1073107/041R

MSD : 1073107/042F::1073107/042R

Compound	SA	µg/L			REC(%)		REC Limits	
		Sam.	MS	MSD	MS	MSD	Lower	Upper
Benzene	10.0	ND	8.5	8.7	85	85	39	150
Chlorobenzene	10.0	ND	8.1	8.6	81	81	55	135
1,2-Dichlorobenzene	20.0	ND	15.8	16.2	79	79	37	154
1,3-Dichlorobenzene	10.0	ND	8.0	8.4	80	80	50	141
1,4-Dichlorobenzene	20.0	ND	16.3	16.9	82	82	42	143
• Diisopropyl ether	10.0	ND	7.9	8.4	79	79	30	170
Ethylbenzene	10.0	ND	8.4	8.8	84	84	32	160
• MTBE	20.0	ND	15.6	16.6	78	78	35	165
Toluene	10.0	ND	8.4	8.8	84	84	46	148
• m,p-Xylene	20.0	ND	16.7	17.5	84	84	D	239
• o-Xylene	20.0	ND	16.5	17.4	82	82	36	164

Flags :

+ = out of QC limits.

• = lab generated limits.

D = Detected

ND = None Detected

SA= Spike Added

**Results for Volatiles**

by GC 602

Client Sample ID: Method Blank

Analyzed By: RSB

Client Project ID:

Date Collected:

Lab Sample ID: VBLK1080107A

Date Received:

Lab Project ID:

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.183	1	8/1/2007	
Diisopropyl ether (DIPE)	BQL	1.00	0.229	1	8/1/2007	
Ethylbenzene	BQL	1.00	0.181	1	8/1/2007	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.359	1	8/1/2007	
Toluene	BQL	1.00	0.157	1	8/1/2007	
m/p-Xylene	BQL	2.00	0.481	1	8/1/2007	
o-Xylene	BQL	2.00	0.584	1	8/1/2007	

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	41.1	103

Comments:

All values corrected for dilution.

BQL = Below quantitation limit.

Summary Results for QC Check

Method: 602

Filename : 1080107/002R

Compound	SA	Result	Rec	QC Limits	
	ug/L	ug/L	(%)	Lower	Upper
Benzene	20.0	18.1	90.7	77.0	123.0
Chlorobenzene	20.0	18.0	89.8	80.5	119.5
1,2-Dichlorobenzene	40.0	33.8	84.6	68.0	132.0
1,3-Dichlorobenzene	20.0	17.5	87.7	72.5	127.5
1,4-Dichlorobenzene	40.0	34.6	86.4	69.5	130.5
• Diisopropyl ether	20.0	17.5	87.3	43.1	156.9
Ethylbenzene	20.0	18.5	92.7	63.0	137.0
• MTBE	40.0	34.6	86.5	46.8	153.2
Toluene	20.0	18.3	91.5	77.5	127.0
• m,p-Xylene	40.0	37.0	92.4	11.2	188.8
• o-Xylene	40.0	36.4	91.0	47.6	152.4

Flags :

- + = out of QC limits.
- ♦ = lab generated limits.
- D = Detected
- SA = Spiked Amount

Summary Results for Laboratory Control Spike

Method: 602

Filename : 1080107/004R

Compound	SA	Result	Rec	LCS Limits	
	ug/L	ug/L	(%)	Lower	Upper
Benzene	10.0	10.9	109.2	39	150
Chlorobenzene	10.0	10.8	108.0	55	135
1,2-Dichlorobenzene	20.0	21.5	107.7	37	154
1,3-Dichlorobenzene	10.0	10.9	109.4	50	141
1,4-Dichlorobenzene	20.0	21.7	108.3	42	143
• Diisopropyl ether	10.0	10.4	104.2	30	170
Ethylbenzene	10.0	11.2	112.4	32	160
• MTBE	20.0	20.5	102.7	35	165
Toluene	10.0	11.1	111.0	46	148
• m,p-Xylene	20.0	22.4	112.2	0	239
• o-Xylene	20.0	22.1	110.7	36	164

Flags :

- + = out of QC limits.
- = lab generated limits.
- D = Detected
- SA = Spiked Amount

Summary Results for MS-MSD

Method: 602

Sample : 1080107/015F::1080107/015R

MS : 1080107/017F::1080107/017R

MSD : 1080107/018F::1080107/018R

		µg/L			REC(%)		REC Limits	
Compound	SA	Sam.	MS	MSD	MS	MSD	Lower	Upper
Benzene	10.0	ND	10.3	10.2	103	103	39	150
Chlorobenzene	10.0	ND	9.6	9.5	96	96	55	135
1,2-Dichlorobenzene	10.0	ND	19.8	19.3	198 +	198 +	37	154
1,3-Dichlorobenzene	10.0	ND	9.8	9.6	98	98	50	141
1,4-Dichlorobenzene	10.0	ND	19.6	19.5	196 +	196 +	42	143
Diisopropyl ether	10.0	ND	9.5	9.5	95	95	30	170
Ethylbenzene	10.0	ND	10.0	9.9	100	100	32	160
MTBE	20.0	ND	19.2	18.9	96	96	35	165
Toluene	10.0	ND	9.9	9.9	99	99	46	148
m,p-Xylene	20.0	ND	19.7	19.7	99	99	D	239
o-Xylene	20.0	ND	19.7	19.6	98	98	36	164

Flags :

+ = out of QC limits.

• = lab generated limits.

D = Detected

ND = None Detected

SA= Spike Added

**Results for Volatiles**

by GC 602

Client Sample ID: Method Blank

Analyzed By: RSB

Client Project ID:

Date Collected:

Lab Sample ID: VBLK1080107B

Date Received:

Lab Project ID:

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.183	1	8/1/2007	
Diisopropyl ether (DIPE)	BQL	1.00	0.229	1	8/1/2007	
Ethylbenzene	BQL	1.00	0.181	1	8/1/2007	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.359	1	8/1/2007	
Toluene	BQL	1.00	0.157	1	8/1/2007	
m/p-Xylene	BQL	2.00	0.481	1	8/1/2007	
o-Xylene	BQL	2.00	0.584	1	8/1/2007	

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	41.3	103

Comments:

All values corrected for dilution.

BQL = Below quantitation limit.

Summary Results for QC Check

Method: 602

Filename : 1080107/021R

Compound	SA	Result	Rec	QC Limits	
	ug/L	ug/L	(%)	Lower	Upper
Benzene	20.0	20.5	102.5	77.0	123.0
Chlorobenzene	20.0	20.3	101.7	80.5	119.5
1,2-Dichlorobenzene	40.0	40.4	101.0	68.0	132.0
1,3-Dichlorobenzene	20.0	20.3	101.5	72.5	127.5
1,4-Dichlorobenzene	40.0	40.7	101.7	69.5	130.5
• Diisopropyl ether	20.0	20.3	101.3	43.1	156.9
Ethylbenzene	20.0	21.0	104.9	63.0	137.0
• MTBE	40.0	39.6	98.9	46.8	153.2
Toluene	20.0	20.7	103.5	77.5	127.0
• m,p-Xylene	40.0	41.8	104.6	11.2	188.8
• o-Xylene	40.0	41.5	103.8	47.6	152.4

Flags :

- + = out of QC limits.
- = lab generated limits.
- D = Detected
- SA = Spiked Amount



Summary Results for Laboratory Control Spike

Method: 602

Filename : 1080107/023R

Compound	SA	Result	Rec	LCS Limits	
	ug/L	ug/L	(%)	Lower	Upper
Benzene	10.0	11.0	109.7	39	150
Chlorobenzene	10.0	10.9	108.8	55	135
1,2-Dichlorobenzene	20.0	21.8	109.2	37	154
1,3-Dichlorobenzene	10.0	11.0	109.9	50	141
1,4-Dichlorobenzene	20.0	22.3	111.7	42	143
• Diisopropyl ether	10.0	10.6	106.3	30	170
Ethylbenzene	10.0	11.3	112.6	32	160
• MTBE	20.0	20.8	103.9	35	165
Toluene	10.0	11.1	111.3	46	148
• m,p-Xylene	20.0	22.5	112.7	0	239
• o-Xylene	20.0	22.3	111.7	36	164

Flags :

- + = out of QC limits.
- = lab generated limits.
- D = Detected
- SA = Spiked Amount

Summary Results for MS-MSD

Method: 602

Sample : 1080107/035F::1080107/035R

MS : 1080107/037F::1080107/037R

MSD : 1080107/038F::1080107/038R

		µg/L			REC(%)		REC Limits	
Compound	SA	Sam.	MS	MSD	MS	MSD	Lower	Upper
Benzene	10.0	ND	10.1	10.2	101	101	39	150
Chlorobenzene	10.0	ND	9.9	10.0	99	99	55	135
1,2-Dichlorobenzene	10.0	ND	18.3	19.7	183 +	183 +	37	154
1,3-Dichlorobenzene	10.0	ND	9.6	10.0	96	96	50	141
1,4-Dichlorobenzene	10.0	ND	19.0	20.2	190 +	190 +	42	143
• Diisopropyl ether	10.0	ND	9.7	9.9	97	97	30	170
Ethylbenzene	10.0	ND	10.1	10.4	101	101	32	160
• MTBE	20.0	ND	19.0	19.3	95	95	35	165
Toluene	10.0	ND	10.2	10.4	102	102	46	148
• m,p-Xylene	20.0	ND	20.1	20.6	100	100	D	239
• o-Xylene	20.0	ND	19.9	20.5	99	99	36	164

Flags :

+ = out of QC limits.

• = lab generated limits.

D = Detected

ND = None Detected

SA= Spike Added

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: USTLCH4015-MW14
Client Project ID: NV019
Lab Sample ID: G650-118-11
Lab Project ID: G650-118

Analyzed By: EAW
Date Collected: 7/23/2007 15:59
Date Received: 7/26/2007
Date Extracted: 7/27/2007
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	10.0	1.22	1	7/31/2007	
Acenaphthylene	BQL	10.0	1.12	1	7/31/2007	
Anthracene	BQL	10.0	1.75	1	7/31/2007	
Benzo[a]anthracene	BQL	10.0	1.36	1	7/31/2007	
Benzo[a]pyrene	BQL	10.0	1.27	1	7/31/2007	
Benzo[b]fluoranthene	BQL	10.0	1.43	1	7/31/2007	
Benzo[g,h,i]perylene	BQL	10.0	4.57	1	7/31/2007	
Benzo[k]fluoranthene	BQL	10.0	1.09	1	7/31/2007	
Bis(2-chloroethoxy)methane	BQL	10.0	1.11	1	7/31/2007	
Bis(2-chloroethyl)ether	BQL	10.0	1.09	1	7/31/2007	
Bis(2-chloroisopropyl)ether	BQL	10.0	1.57	1	7/31/2007	
Bis(2-ethylhexyl)phthalate	BQL	10.0	1.33	1	7/31/2007	
4-bromophenyl phenyl ether	BQL	10.0	1.99	1	7/31/2007	
Butylbenzylphthalate	BQL	10.0	1.53	1	7/31/2007	
2-Chloronaphthalene	BQL	10.0	1.25	1	7/31/2007	
2-Chlorophenol	BQL	10.0	4.22	1	7/31/2007	
4-Chloro-3-methylphenol	BQL	10.0	3.26	1	7/31/2007	
4-Chlorophenyl phenyl ether	BQL	10.0	1.42	1	7/31/2007	
Chrysene	BQL	10.0	1.11	1	7/31/2007	
Dibenzo[a,h]anthracene	BQL	10.0	4.87	1	7/31/2007	
Di-n-Butylphthalate	BQL	10.0	1.65	1	7/31/2007	
3,3'-Dichlorobenzidine	BQL	20.0	4.10	1	7/31/2007	
2,4-Dichlorophenol	BQL	10.0	3.75	1	7/31/2007	
Diethylphthalate	BQL	10.0	1.48	1	7/31/2007	
Dimethylphthalate	BQL	10.0	1.04	1	7/31/2007	
2,4-Dimethylphenol	BQL	10.0	9.25	1	7/31/2007	
Di-n-octylphthalate	BQL	10.0	1.16	1	7/31/2007	
4,6-Dinitro-2-methylphenol	BQL	50.0	3.71	1	7/31/2007	
2,4-Dinitrophenol	BQL	50.0	4.20	1	7/31/2007	
2,4-Dinitrotoluene	BQL	10.0	1.52	1	7/31/2007	
2,6-Dinitrotoluene	BQL	10.0	1.41	1	7/31/2007	
Diphenylamine *	BQL	10.0	1.53	1	7/31/2007	
Fluoranthene	BQL	10.0	1.41	1	7/31/2007	
Fluorene	BQL	10.0	1.22	1	7/31/2007	
Hexachlorobenzene	BQL	10.0	1.22	1	7/31/2007	
Hexachlorobutadiene	BQL	10.0	1.58	1	7/31/2007	
Hexachlorocyclopentadiene	BQL	20.0	20.0	1	7/31/2007	
Hexachloroethane	BQL	10.0	1.58	1	7/31/2007	
Indeno(1,2,3-c,d)pyrene	BQL	10.0	4.57	1	7/31/2007	
Isophorone	BQL	10.0	1.27	1	7/31/2007	
Naphthalene	BQL	10.0	1.08	1	7/31/2007	
Nitrobenzene	BQL	10.0	1.32	1	7/31/2007	
2-Nitrophenol	BQL	10.0	3.52	1	7/31/2007	
4-Nitrophenol	BQL	50.0	3.17	1	7/31/2007	
N-Nitrosodi-n-propylamine	BQL	10.0	1.87	1	7/31/2007	
Pentachlorophenol	BQL	50.0	2.83	1	7/31/2007	
Phenanthrene	BQL	10.0	1.38	1	7/31/2007	

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: USTLCH4015-MW14
Client Project ID: NV019
Lab Sample ID: G650-118-11
Lab Project ID: G650-118

Analyzed By: EAW
Date Collected: 7/23/2007 15:59
Date Received: 7/26/2007
Date Extracted: 7/27/2007
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	10.0	3.38	1	7/31/2007	
Pyrene	BQL	10.0	2.08	1	7/31/2007	
1,2,4-Trichlorobenzene	BQL	10.0	1.33	1	7/31/2007	
2,4,6-Trichlorophenol	BQL	10.0	2.92	1	7/31/2007	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	7.1	71		
2-Fluorophenol		10	6.4	64		
Nitrobenzene-d5		10	7	70		
Phenol-d6		10	6.7	67		
2,4,6-Tribromophenol		10	6.4	64		
4-Terphenyl-d14		10	8.3	83		

Comments:

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

Flags:

BQL = Below Quantitation Limits.

J = Detected below the quantitation limit.

Reviewed By: 

**Results of Library Search for Semivolatile Compounds**
by GCMS

Client Sample ID: USTLCH4015-MW14
Client Project ID: NV019
Lab Sample ID: G650-118-11
Lab Project ID: G650-118
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: EAW
Date Collected: 7/23/2007 15:59
Date Received: 7/26/2007
Date Extracted: 7/27/2007
Date Analyzed: 7/31/2007
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Unknown	6.29			8.26
2	Unknown	12.38			7.87
3	Alkane, Unknown	7.80			4.75
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: 

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: USTLCH4015-MW13
Client Project ID: NV019
Lab Sample ID: G650-118-3G
Lab Project ID: G650-118

Analyzed By: EAW
Date Collected: 7/23/2007 16:38
Date Received: 7/26/2007
Date Extracted: 7/27/2007
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	10.0	1.22	1	7/31/2007	
Acenaphthylene	BQL	10.0	1.12	1	7/31/2007	
Anthracene	BQL	10.0	1.75	1	7/31/2007	
Benzo[a]anthracene	BQL	10.0	1.36	1	7/31/2007	
Benzo[a]pyrene	BQL	10.0	1.27	1	7/31/2007	
Benzo[b]fluoranthene	BQL	10.0	1.43	1	7/31/2007	
Benzo[g,h,i]perylene	BQL	10.0	4.57	1	7/31/2007	
Benzo[k]fluoranthene	BQL	10.0	1.09	1	7/31/2007	
Bis(2-chloroethoxy)methane	BQL	10.0	1.11	1	7/31/2007	
Bis(2-chloroethyl)ether	BQL	10.0	1.09	1	7/31/2007	
Bis(2-chloroisopropyl)ether	BQL	10.0	1.57	1	7/31/2007	
Bis(2-ethylhexyl)phthalate	BQL	10.0	1.33	1	7/31/2007	
4-bromophenyl phenyl ether	BQL	10.0	1.99	1	7/31/2007	
Butylbenzylphthalate	BQL	10.0	1.53	1	7/31/2007	
2-Chloronaphthalene	BQL	10.0	1.25	1	7/31/2007	
2-Chlorophenol	BQL	10.0	4.22	1	7/31/2007	
4-Chloro-3-methylphenol	BQL	10.0	3.26	1	7/31/2007	
4-Chlorophenyl phenyl ether	BQL	10.0	1.42	1	7/31/2007	
Chrysene	BQL	10.0	1.11	1	7/31/2007	
Dibenzo[a,h]anthracene	BQL	10.0	4.87	1	7/31/2007	
Di-n-Butylphthalate	BQL	10.0	1.65	1	7/31/2007	
3,3'-Dichlorobenzidine	BQL	20.0	4.10	1	7/31/2007	
2,4-Dichlorophenol	BQL	10.0	3.75	1	7/31/2007	
Diethylphthalate	BQL	10.0	1.48	1	7/31/2007	
Dimethylphthalate	BQL	10.0	1.04	1	7/31/2007	
2,4-Dimethylphenol	BQL	10.0	9.25	1	7/31/2007	
Di-n-octylphthalate	BQL	10.0	1.16	1	7/31/2007	
4,6-Dinitro-2-methylphenol	BQL	50.0	3.71	1	7/31/2007	
2,4-Dinitrophenol	BQL	50.0	4.20	1	7/31/2007	
2,4-Dinitrotoluene	BQL	10.0	1.52	1	7/31/2007	
2,6-Dinitrotoluene	BQL	10.0	1.41	1	7/31/2007	
Diphenylamine *	BQL	10.0	1.53	1	7/31/2007	
Fluoranthene	BQL	10.0	1.41	1	7/31/2007	
Fluorene	BQL	10.0	1.22	1	7/31/2007	
Hexachlorobenzene	BQL	10.0	1.22	1	7/31/2007	
Hexachlorobutadiene	BQL	10.0	1.58	1	7/31/2007	
Hexachlorocyclopentadiene	BQL	20.0	20.0	1	7/31/2007	
Hexachloroethane	BQL	10.0	1.58	1	7/31/2007	
Indeno(1,2,3-c,d)pyrene	BQL	10.0	4.57	1	7/31/2007	
Isophorone	BQL	10.0	1.27	1	7/31/2007	
Naphthalene	BQL	10.0	1.08	1	7/31/2007	
Nitrobenzene	BQL	10.0	1.32	1	7/31/2007	
2-Nitrophenol	BQL	10.0	3.52	1	7/31/2007	
4-Nitrophenol	BQL	50.0	3.17	1	7/31/2007	
N-Nitrosodi-n-propylamine	BQL	10.0	1.87	1	7/31/2007	
Pentachlorophenol	BQL	50.0	2.83	1	7/31/2007	
Phenanthrene	BQL	10.0	1.38	1	7/31/2007	

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: USTLCH4015-MW13
Client Project ID: NV019
Lab Sample ID: G650-118-3G
Lab Project ID: G650-118

Analyzed By: EAW
Date Collected: 7/23/2007 16:38
Date Received: 7/26/2007
Date Extracted: 7/27/2007
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	10.0	3.38	1	7/31/2007	
Pyrene	BQL	10.0	2.08	1	7/31/2007	
1,2,4-Trichlorobenzene	BQL	10.0	1.33	1	7/31/2007	
2,4,6-Trichlorophenol	BQL	10.0	2.92	1	7/31/2007	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	6.8	68		
2-Fluorophenol		10	6.3	63		
Nitrobenzene-d5		10	6.9	69		
Phenol-d6		10	6.6	66		
2,4,6-Tribromophenol		10	6.6	66		
4-Terphenyl-d14		10	8.6	86		

Comments:

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

Flags:

BQL = Below Quantitation Limits.

J = Detected below the quantitation limit.

Reviewed By: 

**Results of Library Search for Semivolatile Compounds**
by GCMS

Client Sample ID: USTLCH4015-MW13
Client Project ID: NV019
Lab Sample ID: G650-118-3G
Lab Project ID: G650-118
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: EAW
Date Collected: 7/23/2007 16:38
Date Received: 7/26/2007
Date Extracted: 7/27/2007
Date Analyzed: 7/31/2007
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Unknown	6.29			22.9
2	Unknown	8.61			10.6
3	Unknown	12.38			9.8
4	Unknown	5.16			4.41
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: 

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: USTLCH4015-MW12
Client Project ID: NV019
Lab Sample ID: G650-118-4G
Lab Project ID: G650-118

Analyzed By: EAW
Date Collected: 7/23/2007 17:22
Date Received: 7/26/2007
Date Extracted: 7/27/2007
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	10.0	1.22	1	7/31/2007	
Acenaphthylene	BQL	10.0	1.12	1	7/31/2007	
Anthracene	BQL	10.0	1.75	1	7/31/2007	
Benzo[a]anthracene	BQL	10.0	1.36	1	7/31/2007	
Benzo[a]pyrene	BQL	10.0	1.27	1	7/31/2007	
Benzo[b]fluoranthene	BQL	10.0	1.43	1	7/31/2007	
Benzo[g,h,i]perylene	BQL	10.0	4.57	1	7/31/2007	
Benzo[k]fluoranthene	BQL	10.0	1.09	1	7/31/2007	
Bis(2-chloroethoxy)methane	BQL	10.0	1.11	1	7/31/2007	
Bis(2-chloroethyl)ether	BQL	10.0	1.09	1	7/31/2007	
Bis(2-chloroisopropyl)ether	BQL	10.0	1.57	1	7/31/2007	
Bis(2-ethylhexyl)phthalate	BQL	10.0	1.33	1	7/31/2007	
4-bromophenyl phenyl ether	BQL	10.0	1.99	1	7/31/2007	
Butylbenzylphthalate	BQL	10.0	1.53	1	7/31/2007	
2-Chloronaphthalene	BQL	10.0	1.25	1	7/31/2007	
2-Chlorophenol	BQL	10.0	4.22	1	7/31/2007	
4-Chloro-3-methylphenol	BQL	10.0	3.26	1	7/31/2007	
4-Chlorophenyl phenyl ether	BQL	10.0	1.42	1	7/31/2007	
Chrysene	BQL	10.0	1.11	1	7/31/2007	
Dibenzo[a,h]anthracene	BQL	10.0	4.87	1	7/31/2007	
Di-n-Butylphthalate	BQL	10.0	1.65	1	7/31/2007	
3,3'-Dichlorobenzidine	BQL	20.0	4.10	1	7/31/2007	
2,4-Dichlorophenol	BQL	10.0	3.75	1	7/31/2007	
Diethylphthalate	BQL	10.0	1.48	1	7/31/2007	
Dimethylphthalate	BQL	10.0	1.04	1	7/31/2007	
2,4-Dimethylphenol	BQL	10.0	9.25	1	7/31/2007	
Di-n-octylphthalate	BQL	10.0	1.16	1	7/31/2007	
4,6-Dinitro-2-methylphenol	BQL	50.0	3.71	1	7/31/2007	
2,4-Dinitrophenol	BQL	50.0	4.20	1	7/31/2007	
2,4-Dinitrotoluene	BQL	10.0	1.52	1	7/31/2007	
2,6-Dinitrotoluene	BQL	10.0	1.41	1	7/31/2007	
Diphenylamine *	BQL	10.0	1.53	1	7/31/2007	
Fluoranthene	BQL	10.0	1.41	1	7/31/2007	
Fluorene	BQL	10.0	1.22	1	7/31/2007	
Hexachlorobenzene	BQL	10.0	1.22	1	7/31/2007	
Hexachlorobutadiene	BQL	10.0	1.58	1	7/31/2007	
Hexachlorocyclopentadiene	BQL	20.0	20.0	1	7/31/2007	
Hexachloroethane	BQL	10.0	1.58	1	7/31/2007	
Indeno(1,2,3-c,d)pyrene	BQL	10.0	4.57	1	7/31/2007	
Isophorone	BQL	10.0	1.27	1	7/31/2007	
Naphthalene	BQL	10.0	1.08	1	7/31/2007	
Nitrobenzene	BQL	10.0	1.32	1	7/31/2007	
2-Nitrophenol	BQL	10.0	3.52	1	7/31/2007	
4-Nitrophenol	BQL	50.0	3.17	1	7/31/2007	
N-Nitrosodi-n-propylamine	BQL	10.0	1.87	1	7/31/2007	
Pentachlorophenol	BQL	50.0	2.83	1	7/31/2007	
Phenanthrene	BQL	10.0	1.38	1	7/31/2007	

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: USTLCH4015-MW12
Client Project ID: NV019
Lab Sample ID: G650-118-4G
Lab Project ID: G650-118

Analyzed By: EAW
Date Collected: 7/23/2007 17:22
Date Received: 7/26/2007
Date Extracted: 7/27/2007
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	10.0	3.38	1	7/31/2007	
Pyrene	BQL	10.0	2.08	1	7/31/2007	
1,2,4-Trichlorobenzene	BQL	10.0	1.33	1	7/31/2007	
2,4,6-Trichlorophenol	BQL	10.0	2.92	1	7/31/2007	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	6.9	69		
2-Fluorophenol		10	6.4	64		
Nitrobenzene-d5		10	6.9	69		
Phenol-d6		10	6.9	69		
2,4,6-Tribromophenol		10	6.7	67		
4-Terphenyl-d14		10	8.5	85		

Comments:

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

Flags:

BQL = Below Quantitation Limits.

J = Detected below the quantitation limit.

Reviewed By: 

**Results of Library Search for Semivolatile Compounds**
by GCMS

Client Sample ID: USTLCH4015-MW12
Client Project ID: NV019
Lab Sample ID: G650-118-4G
Lab Project ID: G650-118
Sample Wt/Vol: 500 ML
Dilution: 1

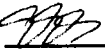
Analyzed By: EAW
Date Collected: 7/23/2007 17:22
Date Received: 7/26/2007
Date Extracted: 7/27/2007
Date Analyzed: 7/31/2007
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Alkene, Unknown	6.29			18.4
2	Unknown	12.38			9.05
3	Unknown	8.61			5.72
4	Unknown	5.16			4.99
5	Unknown	7.80			4.26
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: 

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: USTLCH4015-MW21
Client Project ID: NV019
Lab Sample ID: G650-118-5G
Lab Project ID: G650-118

Analyzed By: EAW
Date Collected: 7/24/2007 9:32
Date Received: 7/26/2007
Date Extracted: 7/27/2007
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	10.0	1.22	1	7/31/2007	
Acenaphthylene	BQL	10.0	1.12	1	7/31/2007	
Anthracene	BQL	10.0	1.75	1	7/31/2007	
Benzo[a]anthracene	BQL	10.0	1.36	1	7/31/2007	
Benzo[a]pyrene	BQL	10.0	1.27	1	7/31/2007	
Benzo[b]fluoranthene	BQL	10.0	1.43	1	7/31/2007	
Benzo[g,h,i]perylene	BQL	10.0	4.57	1	7/31/2007	
Benzo[k]fluoranthene	BQL	10.0	1.09	1	7/31/2007	
Bis(2-chloroethoxy)methane	BQL	10.0	1.11	1	7/31/2007	
Bis(2-chloroethyl)ether	BQL	10.0	1.09	1	7/31/2007	
Bis(2-chloroisopropyl)ether	BQL	10.0	1.57	1	7/31/2007	
Bis(2-ethylhexyl)phthalate	BQL	10.0	1.33	1	7/31/2007	
4-bromophenyl phenyl ether	BQL	10.0	1.99	1	7/31/2007	
Butylbenzylphthalate	BQL	10.0	1.53	1	7/31/2007	
2-Chloronaphthalene	BQL	10.0	1.25	1	7/31/2007	
2-Chlorophenol	BQL	10.0	4.22	1	7/31/2007	
4-Chloro-3-methylphenol	BQL	10.0	3.26	1	7/31/2007	
4-Chlorophenyl phenyl ether	BQL	10.0	1.42	1	7/31/2007	
Chrysene	BQL	10.0	1.11	1	7/31/2007	
Dibenzo[a,h]anthracene	BQL	10.0	4.87	1	7/31/2007	
Di-n-Butylphthalate	BQL	10.0	1.65	1	7/31/2007	
3,3'-Dichlorobenzidine	BQL	20.0	4.10	1	7/31/2007	
2,4-Dichlorophenol	BQL	10.0	3.75	1	7/31/2007	
Diethylphthalate	BQL	10.0	1.48	1	7/31/2007	
Dimethylphthalate	BQL	10.0	1.04	1	7/31/2007	
2,4-Dimethylphenol	BQL	10.0	9.25	1	7/31/2007	
Di-n-octylphthalate	BQL	10.0	1.16	1	7/31/2007	
4,6-Dinitro-2-methylphenol	BQL	50.0	3.71	1	7/31/2007	
2,4-Dinitrophenol	BQL	50.0	4.20	1	7/31/2007	
2,4-Dinitrotoluene	BQL	10.0	1.52	1	7/31/2007	
2,6-Dinitrotoluene	BQL	10.0	1.41	1	7/31/2007	
Diphenylamine *	BQL	10.0	1.53	1	7/31/2007	
Fluoranthene	BQL	10.0	1.41	1	7/31/2007	
Fluorene	BQL	10.0	1.22	1	7/31/2007	
Hexachlorobenzene	BQL	10.0	1.22	1	7/31/2007	
Hexachlorobutadiene	BQL	10.0	1.58	1	7/31/2007	
Hexachlorocyclopentadiene	BQL	20.0	20.0	1	7/31/2007	
Hexachloroethane	BQL	10.0	1.58	1	7/31/2007	
Indeno(1,2,3-c,d)pyrene	BQL	10.0	4.57	1	7/31/2007	
Isophorone	BQL	10.0	1.27	1	7/31/2007	
Naphthalene	41.8	10.0	1.08	1	7/31/2007	
Nitrobenzene	BQL	10.0	1.32	1	7/31/2007	
2-Nitrophenol	BQL	10.0	3.52	1	7/31/2007	
4-Nitrophenol	BQL	50.0	3.17	1	7/31/2007	
N-Nitrosodi-n-propylamine	BQL	10.0	1.87	1	7/31/2007	
Pentachlorophenol	BQL	50.0	2.83	1	7/31/2007	
Phenanthrene	BQL	10.0	1.38	1	7/31/2007	

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: USTLCH4015-MW21
Client Project ID: NV019
Lab Sample ID: G650-118-5G
Lab Project ID: G650-118

Analyzed By: EAW
Date Collected: 7/24/2007 9:32
Date Received: 7/26/2007
Date Extracted: 7/27/2007
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	10.0	3.38	1	7/31/2007	
Pyrene	BQL	10.0	2.08	1	7/31/2007	
1,2,4-Trichlorobenzene	BQL	10.0	1.33	1	7/31/2007	
2,4,6-Trichlorophenol	BQL	10.0	2.92	1	7/31/2007	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	6.3	63		
2-Fluorophenol		10	5.9	59		
Nitrobenzene-d5		10	6.3	64		
Phenol-d6		10	6.1	61		
2,4,6-Tribromophenol		10	6.6	66		
4-Terphenyl-d14		10	6.8	68		

Comments:

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

Flags:

BQL = Below Quantitation Limits.

J = Detected below the quantitation limit.

Reviewed By: 

**Results of Library Search for Semivolatile Compounds**
by GCMS

Client Sample ID: USTLCH4015-MW21
Client Project ID: NV019
Lab Sample ID: G650-118-5G
Lab Project ID: G650-118
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: EAW
Date Collected: 7/24/2007 9:32
Date Received: 7/26/2007
Date Extracted: 7/27/2007
Date Analyzed: 7/31/2007
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Indane	7.38	000496-11-7	93	62.6
2	Unknown	6.29			12.2
3	Unknown	12.37			10.9
4	Unknown	5.16			8.86
5	Unknown	8.61			4.21
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: 

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: USTLCH4015-MW19
Client Project ID: NV019
Lab Sample ID: G650-118-6G
Lab Project ID: G650-118

Analyzed By: EAW
Date Collected: 7/24/2007 10:04
Date Received: 7/26/2007
Date Extracted: 7/27/2007
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	2.20	10.0	1.22	1	7/31/2007	J
Acenaphthylene	BQL	10.0	1.12	1	7/31/2007	
Anthracene	BQL	10.0	1.75	1	7/31/2007	
Benzo[a]anthracene	BQL	10.0	1.36	1	7/31/2007	
Benzo[a]pyrene	BQL	10.0	1.27	1	7/31/2007	
Benzo[b]fluoranthene	BQL	10.0	1.43	1	7/31/2007	
Benzo[g,h,i]perylene	BQL	10.0	4.57	1	7/31/2007	
Benzo[k]fluoranthene	BQL	10.0	1.09	1	7/31/2007	
Bis(2-chloroethoxy)methane	BQL	10.0	1.11	1	7/31/2007	
Bis(2-chloroethyl)ether	BQL	10.0	1.09	1	7/31/2007	
Bis(2-chloroisopropyl)ether	BQL	10.0	1.57	1	7/31/2007	
Bis(2-ethylhexyl)phthalate	BQL	10.0	1.33	1	7/31/2007	
4-bromophenyl phenyl ether	BQL	10.0	1.99	1	7/31/2007	
Butylbenzylphthalate	BQL	10.0	1.53	1	7/31/2007	
2-Chloronaphthalene	BQL	10.0	1.25	1	7/31/2007	
2-Chlorophenol	BQL	10.0	4.22	1	7/31/2007	
4-Chloro-3-methylphenol	BQL	10.0	3.26	1	7/31/2007	
4-Chlorophenyl phenyl ether	BQL	10.0	1.42	1	7/31/2007	
Chrysene	BQL	10.0	1.11	1	7/31/2007	
Dibenzo[a,h]anthracene	BQL	10.0	4.87	1	7/31/2007	
Di-n-Butylphthalate	BQL	10.0	1.65	1	7/31/2007	
3,3'-Dichlorobenzidine	BQL	20.0	4.10	1	7/31/2007	
2,4-Dichlorophenol	BQL	10.0	3.75	1	7/31/2007	
Diethylphthalate	BQL	10.0	1.48	1	7/31/2007	
Dimethylphthalate	BQL	10.0	1.04	1	7/31/2007	
2,4-Dimethylphenol	BQL	10.0	9.25	1	7/31/2007	
Di-n-octylphthalate	BQL	10.0	1.16	1	7/31/2007	
4,6-Dinitro-2-methylphenol	BQL	50.0	3.71	1	7/31/2007	
2,4-Dinitrophenol	BQL	50.0	4.20	1	7/31/2007	
2,4-Dinitrotoluene	BQL	10.0	1.52	1	7/31/2007	
2,6-Dinitrotoluene	BQL	10.0	1.41	1	7/31/2007	
Diphenylamine *	BQL	10.0	1.53	1	7/31/2007	
Fluoranthene	BQL	10.0	1.41	1	7/31/2007	
Fluorene	BQL	10.0	1.22	1	7/31/2007	
Hexachlorobenzene	BQL	10.0	1.22	1	7/31/2007	
Hexachlorobutadiene	BQL	10.0	1.58	1	7/31/2007	
Hexachlorocyclopentadiene	BQL	20.0	20.0	1	7/31/2007	
Hexachloroethane	BQL	10.0	1.58	1	7/31/2007	
Indeno(1,2,3-c,d)pyrene	BQL	10.0	4.57	1	7/31/2007	
Isophorone	BQL	10.0	1.27	1	7/31/2007	
Naphthalene	BQL	10.0	1.08	1	7/31/2007	
Nitrobenzene	BQL	10.0	1.32	1	7/31/2007	
2-Nitrophenol	BQL	10.0	3.52	1	7/31/2007	
4-Nitrophenol	BQL	50.0	3.17	1	7/31/2007	
N-Nitrosodi-n-propylamine	BQL	10.0	1.87	1	7/31/2007	
Pentachlorophenol	BQL	50.0	2.83	1	7/31/2007	
Phenanthrene	BQL	10.0	1.38	1	7/31/2007	

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: USTLCH4015-MW19
Client Project ID: NV019
Lab Sample ID: G650-118-6G
Lab Project ID: G650-118

Analyzed By: EAW
Date Collected: 7/24/2007 10:04
Date Received: 7/26/2007
Date Extracted: 7/27/2007
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	10.0	3.38	1	7/31/2007	
Pyrene	BQL	10.0	2.08	1	7/31/2007	
1,2,4-Trichlorobenzene	BQL	10.0	1.33	1	7/31/2007	
2,4,6-Trichlorophenol	BQL	10.0	2.92	1	7/31/2007	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	6.3	64		
2-Fluorophenol		10	5.8	58		
Nitrobenzene-d5		10	6.3	64		
Phenol-d6		10	6	60		
2,4,6-Tribromophenol		10	5.7	57		
4-Terphenyl-d14		10	7.7	77		

Comments:

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

Flags:

BQL = Below Quantitation Limits.

J = Detected below the quantitation limit.

Reviewed By: 

**Results of Library Search for Semivolatile Compounds**
by GCMS

Client Sample ID: USTLCH4015-MW19
Client Project ID: NV019
Lab Sample ID: G650-118-6G
Lab Project ID: G650-118
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: EAW
Date Collected: 7/24/2007 10:04
Date Received: 7/26/2007
Date Extracted: 7/27/2007
Date Analyzed: 7/31/2007
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Unknown	5.16			12.8
2	Unknown	12.38			8.59
3	Unknown	6.29			8.13
4	Alkane, Unknown	8.61			4.95
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: 

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: USTLCH4015-MW18
Client Project ID: NV019
Lab Sample ID: G650-118-7G
Lab Project ID: G650-118

Analyzed By: EAW
Date Collected: 7/24/2007 10:25
Date Received: 7/26/2007
Date Extracted: 7/27/2007
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	10.0	1.22	1	7/31/2007	
Acenaphthylene	BQL	10.0	1.12	1	7/31/2007	
Anthracene	BQL	10.0	1.75	1	7/31/2007	
Benzo[a]anthracene	BQL	10.0	1.36	1	7/31/2007	
Benzo[a]pyrene	BQL	10.0	1.27	1	7/31/2007	
Benzo[b]fluoranthene	BQL	10.0	1.43	1	7/31/2007	
Benzo[g,h,i]perylene	BQL	10.0	4.57	1	7/31/2007	
Benzo[k]fluoranthene	BQL	10.0	1.09	1	7/31/2007	
Bis(2-chloroethoxy)methane	BQL	10.0	1.11	1	7/31/2007	
Bis(2-chloroethyl)ether	BQL	10.0	1.09	1	7/31/2007	
Bis(2-chloroisopropyl)ether	BQL	10.0	1.57	1	7/31/2007	
Bis(2-ethylhexyl)phthalate	BQL	10.0	1.33	1	7/31/2007	
4-bromophenyl phenyl ether	BQL	10.0	1.99	1	7/31/2007	
Butylbenzylphthalate	BQL	10.0	1.53	1	7/31/2007	
2-Chloronaphthalene	BQL	10.0	1.25	1	7/31/2007	
2-Chlorophenol	BQL	10.0	4.22	1	7/31/2007	
4-Chloro-3-methylphenol	BQL	10.0	3.26	1	7/31/2007	
4-Chlorophenyl phenyl ether	BQL	10.0	1.42	1	7/31/2007	
Chrysene	BQL	10.0	1.11	1	7/31/2007	
Dibenzo[a,h]anthracene	BQL	10.0	4.87	1	7/31/2007	
Di-n-Butylphthalate	BQL	10.0	1.65	1	7/31/2007	
3,3'-Dichlorobenzidine	BQL	20.0	4.10	1	7/31/2007	
2,4-Dichlorophenol	BQL	10.0	3.75	1	7/31/2007	
Diethylphthalate	BQL	10.0	1.48	1	7/31/2007	
Dimethylphthalate	BQL	10.0	1.04	1	7/31/2007	
2,4-Dimethylphenol	BQL	10.0	9.25	1	7/31/2007	
Di-n-octylphthalate	BQL	10.0	1.16	1	7/31/2007	
4,6-Dinitro-2-methylphenol	BQL	50.0	3.71	1	7/31/2007	
2,4-Dinitrophenol	BQL	50.0	4.20	1	7/31/2007	
2,4-Dinitrotoluene	BQL	10.0	1.52	1	7/31/2007	
2,6-Dinitrotoluene	BQL	10.0	1.41	1	7/31/2007	
Diphenylamine *	BQL	10.0	1.53	1	7/31/2007	
Fluoranthene	BQL	10.0	1.41	1	7/31/2007	
Fluorene	1.30	10.0	1.22	1	7/31/2007	J
Hexachlorobenzene	BQL	10.0	1.22	1	7/31/2007	
Hexachlorobutadiene	BQL	10.0	1.58	1	7/31/2007	
Hexachlorocyclopentadiene	BQL	20.0	20.0	1	7/31/2007	
Hexachloroethane	BQL	10.0	1.58	1	7/31/2007	
Indeno(1,2,3-c,d)pyrene	BQL	10.0	4.57	1	7/31/2007	
Isophorone	BQL	10.0	1.27	1	7/31/2007	
Naphthalene	BQL	10.0	1.08	1	7/31/2007	
Nitrobenzene	BQL	10.0	1.32	1	7/31/2007	
2-Nitrophenol	BQL	10.0	3.52	1	7/31/2007	
4-Nitrophenol	BQL	50.0	3.17	1	7/31/2007	
N-Nitrosodi-n-propylamine	BQL	10.0	1.87	1	7/31/2007	
Pentachlorophenol	BQL	50.0	2.83	1	7/31/2007	
Phenanthrene	BQL	10.0	1.38	1	7/31/2007	

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: USTLCH4015-MW18

Client Project ID: NV019

Lab Sample ID: G650-118-7G

Lab Project ID: G650-118

Analyzed By: EAW

Date Collected: 7/24/2007 10:25

Date Received: 7/26/2007

Date Extracted: 7/27/2007

Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	10.0	3.38	1	7/31/2007	
Pyrene	BQL	10.0	2.08	1	7/31/2007	
1,2,4-Trichlorobenzene	BQL	10.0	1.33	1	7/31/2007	
2,4,6-Trichlorophenol	BQL	10.0	2.92	1	7/31/2007	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	7.4	74		
2-Fluorophenol		10	7.1	71		
Nitrobenzene-d5		10	7.7	77		
Phenol-d6		10	7.6	76		
2,4,6-Tribromophenol		10	7.6	76		
4-Terphenyl-d14		10	8.9	89		

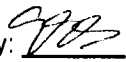
Comments:

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

Flags:

BQL = Below Quantitation Limits.

J = Detected below the quantitation limit.

Reviewed By: 

**Results of Library Search for Semivolatile Compounds**
by GCMS

Client Sample ID: USTLCH4015-MW18
Client Project ID: NV019
Lab Sample ID: G650-118-7G
Lab Project ID: G650-118
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: EAW
Date Collected: 7/24/2007 10:25
Date Received: 7/26/2007
Date Extracted: 7/27/2007
Date Analyzed: 7/31/2007
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Unknown	12.38			11.7
2	Unknown	6.29			6.63
3	Unknown	5.16			5.98
4	Alkane, Unknown	7.80			5.78
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: 

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: USTLCH4015-MW22
Client Project ID: NV019
Lab Sample ID: G650-118-8G
Lab Project ID: G650-118

Analyzed By: EAW
Date Collected: 7/24/2007 11:24
Date Received: 7/26/2007
Date Extracted: 7/27/2007
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	10.0	1.22	1	7/31/2007	
Acenaphthylene	BQL	10.0	1.12	1	7/31/2007	
Anthracene	BQL	10.0	1.75	1	7/31/2007	
Benzo[a]anthracene	BQL	10.0	1.36	1	7/31/2007	
Benzo[a]pyrene	BQL	10.0	1.27	1	7/31/2007	
Benzo[b]fluoranthene	BQL	10.0	1.43	1	7/31/2007	
Benzo[g,h,i]perylene	BQL	10.0	4.57	1	7/31/2007	
Benzo[k]fluoranthene	BQL	10.0	1.09	1	7/31/2007	
Bis(2-chloroethoxy)methane	BQL	10.0	1.11	1	7/31/2007	
Bis(2-chloroethyl)ether	BQL	10.0	1.09	1	7/31/2007	
Bis(2-chloroisopropyl)ether	BQL	10.0	1.57	1	7/31/2007	
Bis(2-ethylhexyl)phthalate	BQL	10.0	1.33	1	7/31/2007	
4-bromophenyl phenyl ether	BQL	10.0	1.99	1	7/31/2007	
Butylbenzylphthalate	BQL	10.0	1.53	1	7/31/2007	
2-Chloronaphthalene	BQL	10.0	1.25	1	7/31/2007	
2-Chlorophenol	BQL	10.0	4.22	1	7/31/2007	
4-Chloro-3-methylphenol	BQL	10.0	3.26	1	7/31/2007	
4-Chlorophenyl phenyl ether	BQL	10.0	1.42	1	7/31/2007	
Chrysene	BQL	10.0	1.11	1	7/31/2007	
Dibenzo[a,h]anthracene	BQL	10.0	4.87	1	7/31/2007	
Di-n-Butylphthalate	BQL	10.0	1.65	1	7/31/2007	
3,3'-Dichlorobenzidine	BQL	20.0	4.10	1	7/31/2007	
2,4-Dichlorophenol	BQL	10.0	3.75	1	7/31/2007	
Diethylphthalate	BQL	10.0	1.48	1	7/31/2007	
Dimethylphthalate	BQL	10.0	1.04	1	7/31/2007	
2,4-Dimethylphenol	BQL	10.0	9.25	1	7/31/2007	
Di-n-octylphthalate	BQL	10.0	1.16	1	7/31/2007	
4,6-Dinitro-2-methylphenol	BQL	50.0	3.71	1	7/31/2007	
2,4-Dinitrophenol	BQL	50.0	4.20	1	7/31/2007	
2,4-Dinitrotoluene	BQL	10.0	1.52	1	7/31/2007	
2,6-Dinitrotoluene	BQL	10.0	1.41	1	7/31/2007	
Diphenylamine *	BQL	10.0	1.53	1	7/31/2007	
Fluoranthene	BQL	10.0	1.41	1	7/31/2007	
Fluorene	BQL	10.0	1.22	1	7/31/2007	
Hexachlorobenzene	BQL	10.0	1.22	1	7/31/2007	
Hexachlorobutadiene	BQL	10.0	1.58	1	7/31/2007	
Hexachlorocyclopentadiene	BQL	20.0	20.0	1	7/31/2007	
Hexachloroethane	BQL	10.0	1.58	1	7/31/2007	
Indeno(1,2,3-c,d)pyrene	BQL	10.0	4.57	1	7/31/2007	
Isophorone	BQL	10.0	1.27	1	7/31/2007	
Naphthalene	BQL	10.0	1.08	1	7/31/2007	
Nitrobenzene	BQL	10.0	1.32	1	7/31/2007	
2-Nitrophenol	BQL	10.0	3.52	1	7/31/2007	
4-Nitrophenol	BQL	50.0	3.17	1	7/31/2007	
N-Nitrosodi-n-propylamine	BQL	10.0	1.87	1	7/31/2007	
Pentachlorophenol	BQL	50.0	2.83	1	7/31/2007	
Phenanthrene	BQL	10.0	1.38	1	7/31/2007	

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: USTLCH4015-MW22

Client Project ID: NV019

Lab Sample ID: G650-118-8G

Lab Project ID: G650-118

Analyzed By: EAW

Date Collected: 7/24/2007 11:24

Date Received: 7/26/2007

Date Extracted: 7/27/2007

Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	10.0	3.38	1	7/31/2007	
Pyrene	BQL	10.0	2.08	1	7/31/2007	
1,2,4-Trichlorobenzene	BQL	10.0	1.33	1	7/31/2007	
2,4,6-Trichlorophenol	BQL	10.0	2.92	1	7/31/2007	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	6.3	63		
2-Fluorophenol		10	5.9	59		
Nitrobenzene-d5		10	6.6	66		
Phenol-d6		10	6.1	61		
2,4,6-Tribromophenol		10	5.9	59		
4-Terphenyl-d14		10	8.4	84		

Comments:

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

Flags:

BQL = Below Quantitation Limits.

J = Detected below the quantitation limit.

Reviewed By: 

**Results of Library Search for Semivolatile Compounds**
by GCMS

Client Sample ID: USTLCH4015-MW22
Client Project ID: NV019
Lab Sample ID: G650-118-8G
Lab Project ID: G650-118
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: EAW
Date Collected: 7/24/2007 11:24
Date Received: 7/26/2007
Date Extracted: 7/27/2007
Date Analyzed: 7/31/2007
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Unknown	6.29			10.8
2	Unknown	5.16			8.31
3	Unknown	12.37			8.01
4	Alkane, Unknown	8.61			5.86
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: 

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: USTLCH4015-MW20
Client Project ID: NV019
Lab Sample ID: G650-118-9G
Lab Project ID: G650-118

Analyzed By: EAW
Date Collected: 7/24/2007 12:12
Date Received: 7/26/2007
Date Extracted: 7/27/2007
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	10.0	1.22	1	7/31/2007	
Acenaphthylene	BQL	10.0	1.12	1	7/31/2007	
Anthracene	BQL	10.0	1.75	1	7/31/2007	
Benzo[a]anthracene	BQL	10.0	1.36	1	7/31/2007	
Benzo[a]pyrene	BQL	10.0	1.27	1	7/31/2007	
Benzo[b]fluoranthene	BQL	10.0	1.43	1	7/31/2007	
Benzo[g,h,i]perylene	BQL	10.0	4.57	1	7/31/2007	
Benzo[k]fluoranthene	BQL	10.0	1.09	1	7/31/2007	
Bis(2-chloroethoxy)methane	BQL	10.0	1.11	1	7/31/2007	
Bis(2-chloroethyl)ether	BQL	10.0	1.09	1	7/31/2007	
Bis(2-chloroisopropyl)ether	BQL	10.0	1.57	1	7/31/2007	
Bis(2-ethylhexyl)phthalate	BQL	10.0	1.33	1	7/31/2007	
4-bromophenyl phenyl ether	BQL	10.0	1.99	1	7/31/2007	
Butylbenzylphthalate	BQL	10.0	1.53	1	7/31/2007	
2-Chloronaphthalene	BQL	10.0	1.25	1	7/31/2007	
2-Chlorophenol	BQL	10.0	4.22	1	7/31/2007	
4-Chloro-3-methylphenol	BQL	10.0	3.26	1	7/31/2007	
4-Chlorophenyl phenyl ether	BQL	10.0	1.42	1	7/31/2007	
Chrysene	BQL	10.0	1.11	1	7/31/2007	
Dibenzo[a,h]anthracene	BQL	10.0	4.87	1	7/31/2007	
Di-n-Butylphthalate	BQL	10.0	1.65	1	7/31/2007	
3,3'-Dichlorobenzidine	BQL	20.0	4.10	1	7/31/2007	
2,4-Dichlorophenol	BQL	10.0	3.75	1	7/31/2007	
Diethylphthalate	BQL	10.0	1.48	1	7/31/2007	
Dimethylphthalate	BQL	10.0	1.04	1	7/31/2007	
2,4-Dimethylphenol	BQL	10.0	9.25	1	7/31/2007	
Di-n-octylphthalate	BQL	10.0	1.16	1	7/31/2007	
4,6-Dinitro-2-methylphenol	BQL	50.0	3.71	1	7/31/2007	
2,4-Dinitrophenol	BQL	50.0	4.20	1	7/31/2007	
2,4-Dinitrotoluene	BQL	10.0	1.52	1	7/31/2007	
2,6-Dinitrotoluene	BQL	10.0	1.41	1	7/31/2007	
Diphenylamine *	BQL	10.0	1.53	1	7/31/2007	
Fluoranthene	BQL	10.0	1.41	1	7/31/2007	
Fluorene	BQL	10.0	1.22	1	7/31/2007	
Hexachlorobenzene	BQL	10.0	1.22	1	7/31/2007	
Hexachlorobutadiene	BQL	10.0	1.58	1	7/31/2007	
Hexachlorocyclopentadiene	BQL	20.0	20.0	1	7/31/2007	
Hexachloroethane	BQL	10.0	1.58	1	7/31/2007	
Indeno(1,2,3-c,d)pyrene	BQL	10.0	4.57	1	7/31/2007	
Isophorone	BQL	10.0	1.27	1	7/31/2007	
Naphthalene	BQL	10.0	1.08	1	7/31/2007	
Nitrobenzene	BQL	10.0	1.32	1	7/31/2007	
2-Nitrophenol	BQL	10.0	3.52	1	7/31/2007	
4-Nitrophenol	BQL	50.0	3.17	1	7/31/2007	
N-Nitrosodi-n-propylamine	BQL	10.0	1.87	1	7/31/2007	
Pentachlorophenol	BQL	50.0	2.83	1	7/31/2007	
Phenanthrene	BQL	10.0	1.38	1	7/31/2007	
Phenol	BQL	10.0	3.38	1	7/31/2007	

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: USTLCH4015-MW20
Client Project ID: NV019
Lab Sample ID: G650-118-9G
Lab Project ID: G650-118

Analyzed By: EAW
Date Collected: 7/24/2007 12:12
Date Received: 7/26/2007
Date Extracted: 7/27/2007
Matrix: Water

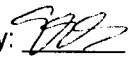
Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Pyrene	BQL	10.0	2.08	1	7/31/2007	
1,2,4-Trichlorobenzene	BQL	10.0	1.33	1	7/31/2007	
2,4,6-Trichlorophenol	BQL	10.0	2.92	1	7/31/2007	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	4.3	43 #		
2-Fluorophenol		10	3.5	35		
Nitrobenzene-d5		10	4.2	42 #		
Phenol-d6		10	4.1	41 #		
2,4,6-Tribromophenol		10	3.9	39		
4-Terphenyl-d14		10	6.2	62		

Comments:

* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.
Insufficient sample amount for re-extract due to MS/MSD performed on sample.

Flags:

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

Reviewed By: 

**Results of Library Search for Semivolatile Compounds**
by GCMS

Client Sample ID: USTLCH4015-MW20
Client Project ID: NV019
Lab Sample ID: G650-118-9G
Lab Project ID: G650-118
Sample Wt/Vol: 500 ML
Dilution: 1

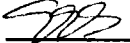
Analyzed By: EAW
Date Collected: 7/24/2007 12:12
Date Received: 7/26/2007
Date Extracted: 7/27/2007
Date Analyzed: 7/31/2007
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Unknown	12.38			8.36
2	Unknown	6.29			7.81
3	Unknown	5.17			7.42
4	Alkane, Unknown	8.61			4.24
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: 

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: USTLCH4015-MW02
Client Project ID: NV019
Lab Sample ID: G650-118-10G
Lab Project ID: G650-118

Analyzed By: EAW
Date Collected: 7/24/2007 12:39
Date Received: 7/26/2007
Date Extracted: 7/27/2007
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	10.0	1.22	1	7/31/2007	
Acenaphthylene	BQL	10.0	1.12	1	7/31/2007	
Anthracene	BQL	10.0	1.75	1	7/31/2007	
Benzo[a]anthracene	BQL	10.0	1.36	1	7/31/2007	
Benzo[a]pyrene	BQL	10.0	1.27	1	7/31/2007	
Benzo[b]fluoranthene	BQL	10.0	1.43	1	7/31/2007	
Benzo[g,h,i]perylene	BQL	10.0	4.57	1	7/31/2007	
Benzo[k]fluoranthene	BQL	10.0	1.09	1	7/31/2007	
Bis(2-chloroethoxy)methane	BQL	10.0	1.11	1	7/31/2007	
Bis(2-chloroethyl)ether	BQL	10.0	1.09	1	7/31/2007	
Bis(2-chloroisopropyl)ether	BQL	10.0	1.57	1	7/31/2007	
Bis(2-ethylhexyl)phthalate	BQL	10.0	1.33	1	7/31/2007	
4-bromophenyl phenyl ether	BQL	10.0	1.99	1	7/31/2007	
Butylbenzylphthalate	BQL	10.0	1.53	1	7/31/2007	
2-Chloronaphthalene	BQL	10.0	1.25	1	7/31/2007	
2-Chlorophenol	BQL	10.0	4.22	1	7/31/2007	
4-Chloro-3-methylphenol	BQL	10.0	3.26	1	7/31/2007	
4-Chlorophenyl phenyl ether	BQL	10.0	1.42	1	7/31/2007	
Chrysene	BQL	10.0	1.11	1	7/31/2007	
Dibenzo[a,h]anthracene	BQL	10.0	4.87	1	7/31/2007	
Di-n-Butylphthalate	BQL	10.0	1.65	1	7/31/2007	
3,3'-Dichlorobenzidine	BQL	20.0	4.10	1	7/31/2007	
2,4-Dichlorophenol	BQL	10.0	3.75	1	7/31/2007	
Diethylphthalate	BQL	10.0	1.48	1	7/31/2007	
Dimethylphthalate	BQL	10.0	1.04	1	7/31/2007	
2,4-Dimethylphenol	BQL	10.0	9.25	1	7/31/2007	
Di-n-octylphthalate	BQL	10.0	1.16	1	7/31/2007	
4,6-Dinitro-2-methylphenol	BQL	50.0	3.71	1	7/31/2007	
2,4-Dinitrophenol	BQL	50.0	4.20	1	7/31/2007	
2,4-Dinitrotoluene	BQL	10.0	1.52	1	7/31/2007	
2,6-Dinitrotoluene	BQL	10.0	1.41	1	7/31/2007	
Diphenylamine *	BQL	10.0	1.53	1	7/31/2007	
Fluoranthene	BQL	10.0	1.41	1	7/31/2007	
Fluorene	BQL	10.0	1.22	1	7/31/2007	
Hexachlorobenzene	BQL	10.0	1.22	1	7/31/2007	
Hexachlorobutadiene	BQL	10.0	1.58	1	7/31/2007	
Hexachlorocyclopentadiene	BQL	20.0	20.0	1	7/31/2007	
Hexachloroethane	BQL	10.0	1.58	1	7/31/2007	
Indeno(1,2,3-c,d)pyrene	BQL	10.0	4.57	1	7/31/2007	
Isophorone	BQL	10.0	1.27	1	7/31/2007	
Naphthalene	24.7	10.0	1.08	1	7/31/2007	
Nitrobenzene	BQL	10.0	1.32	1	7/31/2007	
2-Nitrophenol	BQL	10.0	3.52	1	7/31/2007	
4-Nitrophenol	BQL	50.0	3.17	1	7/31/2007	
N-Nitrosodi-n-propylamine	BQL	10.0	1.87	1	7/31/2007	
Pentachlorophenol	BQL	50.0	2.83	1	7/31/2007	
Phenanthrene	BQL	10.0	1.38	1	7/31/2007	
Phenol	BQL	10.0	3.38	1	7/31/2007	

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: USTLCH4015-MW02
Client Project ID: NV019
Lab Sample ID: G650-118-10G
Lab Project ID: G650-118

Analyzed By: EAW
Date Collected: 7/24/2007 12:39
Date Received: 7/26/2007
Date Extracted: 7/27/2007
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Pyrene	BQL	10.0	2.08	1	7/31/2007	
1,2,4-Trichlorobenzene	BQL	10.0	1.33	1	7/31/2007	
2,4,6-Trichlorophenol	BQL	10.0	2.92	1	7/31/2007	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	6.7	67		
2-Fluorophenol		10	6.2	62		
Nitrobenzene-d5		10	6.6	66		
Phenol-d6		10	6.9	69		
2,4,6-Tribromophenol		10	7	70		
4-Terphenyl-d14		10	7.5	75		

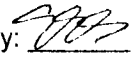
Comments:

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

Flags:

BQL = Below Quantitation Limits.

J = Detected below the quantitation limit.

Reviewed By: 

**Results of Library Search for Semivolatile Compounds**
by GCMS

Client Sample ID: USTLCH4015-MW02
Client Project ID: NV019
Lab Sample ID: G650-118-10G
Lab Project ID: G650-118
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: EAW
Date Collected: 7/24/2007
Date Received: 7/26/2007
Date Extracted: 7/27/2007
Date Analyzed: 7/31/2007
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Indane	7.38	000496-11-7	93	167
2	Unknown	6.99			106
3	Aromatic, Unknown	10.34			37.7
4	Unknown	11.66			30.8
5	Alcohol, Unknown	5.24			25.5
6	Alcohol, Unknown	11.53			23
7	2,3-Dihydro-1-methylindene	8.64	027133-93-3	97	19.5
8	Unknown	6.89			19.4
9	Benzo[b]thiophene	9.15	000095-15-8	94	16.5
10	Unknown	12.06			14.7

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: 

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: USTLCH4015-MW23
Client Project ID: NV019
Lab Sample ID: G650-118-11G
Lab Project ID: G650-118

Analyzed By: EAW
Date Collected: 7/24/2007 16:36
Date Received: 7/26/2007
Date Extracted: 7/27/2007
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	10.0	1.22	1	8/1/2007	
Acenaphthylene	BQL	10.0	1.12	1	8/1/2007	
Anthracene	BQL	10.0	1.75	1	8/1/2007	
Benzo[a]anthracene	BQL	10.0	1.36	1	8/1/2007	
Benzo[a]pyrene	BQL	10.0	1.27	1	8/1/2007	
Benzo[b]fluoranthene	BQL	10.0	1.43	1	8/1/2007	
Benzo[g,h,i]perylene	BQL	10.0	4.57	1	8/1/2007	
Benzo[k]fluoranthene	BQL	10.0	1.09	1	8/1/2007	
Bis(2-chloroethoxy)methane	BQL	10.0	1.11	1	8/1/2007	
Bis(2-chloroethyl)ether	BQL	10.0	1.09	1	8/1/2007	
Bis(2-chloroisopropyl)ether	BQL	10.0	1.57	1	8/1/2007	
Bis(2-ethylhexyl)phthalate	BQL	10.0	1.33	1	8/1/2007	
4-bromophenyl phenyl ether	BQL	10.0	1.99	1	8/1/2007	
Butylbenzylphthalate	BQL	10.0	1.53	1	8/1/2007	
2-Chloronaphthalene	BQL	10.0	1.25	1	8/1/2007	
2-Chlorophenol	BQL	10.0	4.22	1	8/1/2007	
4-Chloro-3-methylphenol	BQL	10.0	3.26	1	8/1/2007	
4-Chlorophenyl phenyl ether	BQL	10.0	1.42	1	8/1/2007	
Chrysene	BQL	10.0	1.11	1	8/1/2007	
Dibenzo[a,h]anthracene	BQL	10.0	4.87	1	8/1/2007	
Di-n-Butylphthalate	BQL	10.0	1.65	1	8/1/2007	
3,3'-Dichlorobenzidine	BQL	20.0	4.10	1	8/1/2007	
2,4-Dichlorophenol	BQL	10.0	3.75	1	8/1/2007	
Diethylphthalate	BQL	10.0	1.48	1	8/1/2007	
Dimethylphthalate	BQL	10.0	1.04	1	8/1/2007	
2,4-Dimethylphenol	BQL	10.0	9.25	1	8/1/2007	
Di-n-octylphthalate	BQL	10.0	1.16	1	8/1/2007	
4,6-Dinitro-2-methylphenol	BQL	50.0	3.71	1	8/1/2007	
2,4-Dinitrophenol	BQL	50.0	4.20	1	8/1/2007	
2,4-Dinitrotoluene	BQL	10.0	1.52	1	8/1/2007	
2,6-Dinitrotoluene	BQL	10.0	1.41	1	8/1/2007	
Diphenylamine *	BQL	10.0	1.53	1	8/1/2007	
Fluoranthene	BQL	10.0	1.41	1	8/1/2007	
Fluorene	BQL	10.0	1.22	1	8/1/2007	
Hexachlorobenzene	BQL	10.0	1.22	1	8/1/2007	
Hexachlorobutadiene	BQL	10.0	1.58	1	8/1/2007	
Hexachlorocyclopentadiene	BQL	20.0	20.0	1	8/1/2007	
Hexachloroethane	BQL	10.0	1.58	1	8/1/2007	
Indeno(1,2,3-c,d)pyrene	BQL	10.0	4.57	1	8/1/2007	
Isophorone	BQL	10.0	1.27	1	8/1/2007	
Naphthalene	BQL	10.0	1.08	1	8/1/2007	
Nitrobenzene	BQL	10.0	1.32	1	8/1/2007	
2-Nitrophenol	BQL	10.0	3.52	1	8/1/2007	
4-Nitrophenol	BQL	50.0	3.17	1	8/1/2007	
N-Nitrosodi-n-propylamine	BQL	10.0	1.87	1	8/1/2007	
Pentachlorophenol	BQL	50.0	2.83	1	8/1/2007	
Phenanthrene	BQL	10.0	1.38	1	8/1/2007	
Phenol	BQL	10.0	3.38	1	8/1/2007	

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: USTLCH4015-MW23
Client Project ID: NV019
Lab Sample ID: G650-118-11G
Lab Project ID: G650-118

Analyzed By: EAW
Date Collected: 7/24/2007 16:36
Date Received: 7/26/2007
Date Extracted: 7/27/2007
Matrix: Water

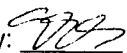
Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Pyrene	BQL	10.0	2.08	1	8/1/2007	
1,2,4-Trichlorobenzene	BQL	10.0	1.33	1	8/1/2007	
2,4,6-Trichlorophenol	BQL	10.0	2.92	1	8/1/2007	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	6.6	66		
2-Fluorophenol		10	6.2	62		
Nitrobenzene-d5		10	6.9	69		
Phenol-d6		10	6.6	66		
2,4,6-Tribromophenol		10	6.9	69		
4-Terphenyl-d14		10	6.5	65		

Comments:

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

Flags:

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

Reviewed By: 

**Results of Library Search for Semivolatile Compounds**
by GCMS

Client Sample ID: USTLCH4015-MW23
Client Project ID: NV019
Lab Sample ID: G650-118-11G
Lab Project ID: G650-118
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: EAW
Date Collected: 7/24/2007
Date Received: 7/26/2007
Date Extracted: 7/27/2007
Date Analyzed: 8/1/2007
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Unknown	7.52			14.5
2	Alcohol, Unknown	5.69			11.4
3	Unknown	12.38			11.1
4	Unknown	5.24			8.25
5	Unknown	6.29			8.11
6	Unknown	6.99			6.22
7	Unknown	5.16			5.28
8	Unknown	8.50			4.76
9	Unknown	6.90			4.46
10	Unknown	8.61			4.32

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: 

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: USTLCH4015-MW01
Client Project ID: NV019
Lab Sample ID: G650-118-12G
Lab Project ID: G650-118

Analyzed By: EAW
Date Collected: 7/24/2007 17:12
Date Received: 7/26/2007
Date Extracted: 7/27/2007
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	10.0	1.22	1	8/1/2007	
Acenaphthylene	BQL	10.0	1.12	1	8/1/2007	
Anthracene	BQL	10.0	1.75	1	8/1/2007	
Benzo[a]anthracene	BQL	10.0	1.36	1	8/1/2007	
Benzo[a]pyrene	BQL	10.0	1.27	1	8/1/2007	
Benzo[b]fluoranthene	BQL	10.0	1.43	1	8/1/2007	
Benzo[g,h,i]perylene	BQL	10.0	4.57	1	8/1/2007	
Benzo[k]fluoranthene	BQL	10.0	1.09	1	8/1/2007	
Bis(2-chloroethoxy)methane	BQL	10.0	1.11	1	8/1/2007	
Bis(2-chloroethyl)ether	BQL	10.0	1.09	1	8/1/2007	
Bis(2-chloroisopropyl)ether	BQL	10.0	1.57	1	8/1/2007	
Bis(2-ethylhexyl)phthalate	9.90	10.0	1.33	1	8/1/2007	J
4-bromophenyl phenyl ether	BQL	10.0	1.99	1	8/1/2007	
Butylbenzylphthalate	BQL	10.0	1.53	1	8/1/2007	
2-Chloronaphthalene	BQL	10.0	1.25	1	8/1/2007	
2-Chlorophenol	BQL	10.0	4.22	1	8/1/2007	
4-Chloro-3-methylphenol	BQL	10.0	3.26	1	8/1/2007	
4-Chlorophenyl phenyl ether	BQL	10.0	1.42	1	8/1/2007	
Chrysene	BQL	10.0	1.11	1	8/1/2007	
Dibenzo[a,h]anthracene	BQL	10.0	4.87	1	8/1/2007	
Di-n-Butylphthalate	BQL	10.0	1.65	1	8/1/2007	
3,3'-Dichlorobenzidine	BQL	20.0	4.10	1	8/1/2007	
2,4-Dichlorophenol	BQL	10.0	3.75	1	8/1/2007	
Diethylphthalate	BQL	10.0	1.48	1	8/1/2007	
Dimethylphthalate	BQL	10.0	1.04	1	8/1/2007	
2,4-Dimethylphenol	BQL	10.0	9.25	1	8/1/2007	
Di-n-octylphthalate	BQL	10.0	1.16	1	8/1/2007	
4,6-Dinitro-2-methylphenol	BQL	50.0	3.71	1	8/1/2007	
2,4-Dinitrophenol	BQL	50.0	4.20	1	8/1/2007	
2,4-Dinitrotoluene	BQL	10.0	1.52	1	8/1/2007	
2,6-Dinitrotoluene	BQL	10.0	1.41	1	8/1/2007	
Diphenylamine *	BQL	10.0	1.53	1	8/1/2007	
Fluoranthene	BQL	10.0	1.41	1	8/1/2007	
Fluorene	BQL	10.0	1.22	1	8/1/2007	
Hexachlorobenzene	BQL	10.0	1.22	1	8/1/2007	
Hexachlorobutadiene	BQL	10.0	1.58	1	8/1/2007	
Hexachlorocyclopentadiene	BQL	20.0	20.0	1	8/1/2007	
Hexachloroethane	BQL	10.0	1.58	1	8/1/2007	
Indeno(1,2,3-c,d)pyrene	BQL	10.0	4.57	1	8/1/2007	
Isophorone	BQL	10.0	1.27	1	8/1/2007	
Naphthalene	100	10.0	1.08	1	8/1/2007	
Nitrobenzene	BQL	10.0	1.32	1	8/1/2007	
2-Nitrophenol	BQL	10.0	3.52	1	8/1/2007	
4-Nitrophenol	BQL	50.0	3.17	1	8/1/2007	
N-Nitrosodi-n-propylamine	BQL	10.0	1.87	1	8/1/2007	
Pentachlorophenol	BQL	50.0	2.83	1	8/1/2007	
Phenanthrene	BQL	10.0	1.38	1	8/1/2007	

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: USTLCH4015-MW01
Client Project ID: NV019
Lab Sample ID: G650-118-12G
Lab Project ID: G650-118

Analyzed By: EAW
Date Collected: 7/24/2007 17:12
Date Received: 7/26/2007
Date Extracted: 7/27/2007
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	10.0	3.38	1	8/1/2007	
Pyrene	BQL	10.0	2.08	1	8/1/2007	
1,2,4-Trichlorobenzene	BQL	10.0	1.33	1	8/1/2007	
2,4,6-Trichlorophenol	BQL	10.0	2.92	1	8/1/2007	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	6.2	62		
2-Fluorophenol		10	5.7	57		
Nitrobenzene-d5		10	6.1	61		
Phenol-d6		10	6	60		
2,4,6-Tribromophenol		10	6.3	64		
4-Terphenyl-d14		10	7.4	74		

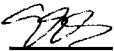
Comments:

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

Flags:

BQL = Below Quantitation Limits.

J = Detected below the quantitation limit.

Reviewed By: 

**Results of Library Search for Semivolatile Compounds**
by GCMS

Client Sample ID: USTLCH4015-MW01
Client Project ID: NV019
Lab Sample ID: G650-118-12G
Lab Project ID: G650-118
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: EAW
Date Collected: 7/24/2007 17:12
Date Received: 7/26/2007
Date Extracted: 7/27/2007
Date Analyzed: 8/1/2007
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	1,2,4-Trimethylbenzene	6.88	000095-36-3	97	228
2	Indane	7.38	000496-11-7	94	132
3	Benzene, 1,3-diethyl-	7.59	000141-93-5	96	87.8
4	Ethylbenzene	5.18	000100-41-4	93	79.3
5	1,2,4-Trimethylbenzene	7.21	000095-36-3	93	71.3
6	Unknown	6.99			68.1
7	2,3-Dihydro-1-methylindene	8.65	027133-93-3	93	65.9
8	Unknown	11.66			50.5
9	Benzene, 1-ethyl-4-methyl-	6.50	000622-96-8	95	50.4
10	Benzene, 1,3,5-trimethyl-	6.57	000108-67-8	95	48.7

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: 

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: USTLCH4015-MW07
Client Project ID: NV019
Lab Sample ID: G650-118-13G
Lab Project ID: G650-118

Analyzed By: EAW
Date Collected: 7/24/2007 17:57
Date Received: 7/26/2007
Date Extracted: 7/27/2007
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	10.0	1.22	1	8/1/2007	
Acenaphthylene	BQL	10.0	1.12	1	8/1/2007	
Anthracene	BQL	10.0	1.75	1	8/1/2007	
Benzo[a]anthracene	BQL	10.0	1.36	1	8/1/2007	
Benzo[a]pyrene	BQL	10.0	1.27	1	8/1/2007	
Benzo[b]fluoranthene	BQL	10.0	1.43	1	8/1/2007	
Benzo[g,h,i]perylene	BQL	10.0	4.57	1	8/1/2007	
Benzo[k]fluoranthene	BQL	10.0	1.09	1	8/1/2007	
Bis(2-chloroethoxy)methane	BQL	10.0	1.11	1	8/1/2007	
Bis(2-chloroethyl)ether	BQL	10.0	1.09	1	8/1/2007	
Bis(2-chloroisopropyl)ether	BQL	10.0	1.57	1	8/1/2007	
Bis(2-ethylhexyl)phthalate	BQL	10.0	1.33	1	8/1/2007	
4-bromophenyl phenyl ether	BQL	10.0	1.99	1	8/1/2007	
Butylbenzylphthalate	BQL	10.0	1.53	1	8/1/2007	
2-Chloronaphthalene	BQL	10.0	1.25	1	8/1/2007	
2-Chlorophenol	BQL	10.0	4.22	1	8/1/2007	
4-Chloro-3-methylphenol	BQL	10.0	3.26	1	8/1/2007	
4-Chlorophenyl phenyl ether	BQL	10.0	1.42	1	8/1/2007	
Chrysene	BQL	10.0	1.11	1	8/1/2007	
Dibenzo[a,h]anthracene	BQL	10.0	4.87	1	8/1/2007	
Di-n-Butylphthalate	BQL	10.0	1.65	1	8/1/2007	
3,3'-Dichlorobenzidine	BQL	20.0	4.10	1	8/1/2007	
2,4-Dichlorophenol	BQL	10.0	3.75	1	8/1/2007	
Diethylphthalate	BQL	10.0	1.48	1	8/1/2007	
Dimethylphthalate	BQL	10.0	1.04	1	8/1/2007	
2,4-Dimethylphenol	BQL	10.0	9.25	1	8/1/2007	
Di-n-octylphthalate	BQL	10.0	1.16	1	8/1/2007	
4,6-Dinitro-2-methylphenol	BQL	50.0	3.71	1	8/1/2007	
2,4-Dinitrophenol	BQL	50.0	4.20	1	8/1/2007	
2,4-Dinitrotoluene	BQL	10.0	1.52	1	8/1/2007	
2,6-Dinitrotoluene	BQL	10.0	1.41	1	8/1/2007	
Diphenylamine *	BQL	10.0	1.53	1	8/1/2007	
Fluoranthene	BQL	10.0	1.41	1	8/1/2007	
Fluorene	BQL	10.0	1.22	1	8/1/2007	
Hexachlorobenzene	BQL	10.0	1.22	1	8/1/2007	
Hexachlorobutadiene	BQL	10.0	1.58	1	8/1/2007	
Hexachlorocyclopentadiene	BQL	20.0	20.0	1	8/1/2007	
Hexachloroethane	BQL	10.0	1.58	1	8/1/2007	
Indeno(1,2,3-c,d)pyrene	BQL	10.0	4.57	1	8/1/2007	
Isophorone	BQL	10.0	1.27	1	8/1/2007	
Naphthalene	1.20	10.0	1.08	1	8/1/2007	J
Nitrobenzene	BQL	10.0	1.32	1	8/1/2007	
2-Nitrophenol	BQL	10.0	3.52	1	8/1/2007	
4-Nitrophenol	BQL	50.0	3.17	1	8/1/2007	
N-Nitrosodi-n-propylamine	BQL	10.0	1.87	1	8/1/2007	
Pentachlorophenol	BQL	50.0	2.83	1	8/1/2007	
Phenanthrene	BQL	10.0	1.38	1	8/1/2007	

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: USTLCH4015-MW07
Client Project ID: NV019
Lab Sample ID: G650-118-13G
Lab Project ID: G650-118

Analyzed By: EAW
Date Collected: 7/24/2007 17:57
Date Received: 7/26/2007
Date Extracted: 7/27/2007
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	10.0	3.38	1	8/1/2007	
Pyrene	BQL	10.0	2.08	1	8/1/2007	
1,2,4-Trichlorobenzene	BQL	10.0	1.33	1	8/1/2007	
2,4,6-Trichlorophenol	BQL	10.0	2.92	1	8/1/2007	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	6.7	67		
2-Fluorophenol		10	6.3	63		
Nitrobenzene-d5		10	6.6	66		
Phenol-d6		10	6.9	69		
2,4,6-Tribromophenol		10	6.6	66		
4-Terphenyl-d14		10	7.9	79		

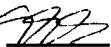
Comments:

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

Flags:

BQL = Below Quantitation Limits.

J = Detected below the quantitation limit.

Reviewed By: 

**Results of Library Search for Semivolatile Compounds**
by GCMS

Client Sample ID: USTLCH4015-MW07
Client Project ID: NV019
Lab Sample ID: G650-118-13G
Lab Project ID: G650-118
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: EAW
Date Collected: 7/24/2007 17:57
Date Received: 7/26/2007
Date Extracted: 7/27/2007
Date Analyzed: 8/1/2007
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Unknown	6.29			14.1
2	Unknown	12.38			8.64
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: 

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: USTLCH4015-MW16
Client Project ID: NV019
Lab Sample ID: G650-118-14G
Lab Project ID: G650-118

Analyzed By: EAW
Date Collected: 7/24/2007 18:22
Date Received: 7/26/2007
Date Extracted: 7/27/2007
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	10.0	1.22	1	8/1/2007	
Acenaphthylene	BQL	10.0	1.12	1	8/1/2007	
Anthracene	BQL	10.0	1.75	1	8/1/2007	
Benzo[a]anthracene	BQL	10.0	1.36	1	8/1/2007	
Benzo[a]pyrene	BQL	10.0	1.27	1	8/1/2007	
Benzo[b]fluoranthene	BQL	10.0	1.43	1	8/1/2007	
Benzo[g,h,i]perylene	BQL	10.0	4.57	1	8/1/2007	
Benzo[k]fluoranthene	BQL	10.0	1.09	1	8/1/2007	
Bis(2-chloroethoxy)methane	BQL	10.0	1.11	1	8/1/2007	
Bis(2-chloroethyl)ether	BQL	10.0	1.09	1	8/1/2007	
Bis(2-chloroisopropyl)ether	BQL	10.0	1.57	1	8/1/2007	
Bis(2-ethylhexyl)phthalate	BQL	10.0	1.33	1	8/1/2007	
4-bromophenyl phenyl ether	BQL	10.0	1.99	1	8/1/2007	
Butylbenzylphthalate	BQL	10.0	1.53	1	8/1/2007	
2-Chloronaphthalene	BQL	10.0	1.25	1	8/1/2007	
2-Chlorophenol	BQL	10.0	4.22	1	8/1/2007	
4-Chloro-3-methylphenol	BQL	10.0	3.26	1	8/1/2007	
4-Chlorophenyl phenyl ether	BQL	10.0	1.42	1	8/1/2007	
Chrysene	BQL	10.0	1.11	1	8/1/2007	
Dibenzo[a,h]anthracene	BQL	10.0	4.87	1	8/1/2007	
Di-n-Butylphthalate	BQL	10.0	1.65	1	8/1/2007	
3,3'-Dichlorobenzidine	BQL	20.0	4.10	1	8/1/2007	
2,4-Dichlorophenol	BQL	10.0	3.75	1	8/1/2007	
Diethylphthalate	BQL	10.0	1.48	1	8/1/2007	
Dimethylphthalate	BQL	10.0	1.04	1	8/1/2007	
2,4-Dimethylphenol	BQL	10.0	9.25	1	8/1/2007	
Di-n-octylphthalate	BQL	10.0	1.16	1	8/1/2007	
4,6-Dinitro-2-methylphenol	BQL	50.0	3.71	1	8/1/2007	
2,4-Dinitrophenol	BQL	50.0	4.20	1	8/1/2007	
2,4-Dinitrotoluene	BQL	10.0	1.52	1	8/1/2007	
2,6-Dinitrotoluene	BQL	10.0	1.41	1	8/1/2007	
Diphenylamine *	BQL	10.0	1.53	1	8/1/2007	
Fluoranthene	BQL	10.0	1.41	1	8/1/2007	
Fluorene	BQL	10.0	1.22	1	8/1/2007	
Hexachlorobenzene	BQL	10.0	1.22	1	8/1/2007	
Hexachlorobutadiene	BQL	10.0	1.58	1	8/1/2007	
Hexachlorocyclopentadiene	BQL	20.0	20.0	1	8/1/2007	
Hexachloroethane	BQL	10.0	1.58	1	8/1/2007	
Indeno(1,2,3-c,d)pyrene	BQL	10.0	4.57	1	8/1/2007	
Isophorone	BQL	10.0	1.27	1	8/1/2007	
Naphthalene	BQL	10.0	1.08	1	8/1/2007	
Nitrobenzene	BQL	10.0	1.32	1	8/1/2007	
2-Nitrophenol	BQL	10.0	3.52	1	8/1/2007	
4-Nitrophenol	BQL	50.0	3.17	1	8/1/2007	
N-Nitrosodi-n-propylamine	BQL	10.0	1.87	1	8/1/2007	
Pentachlorophenol	BQL	50.0	2.83	1	8/1/2007	
Phenanthrene	BQL	10.0	1.38	1	8/1/2007	

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: USTLCH4015-MW16
Client Project ID: NV019
Lab Sample ID: G650-118-14G
Lab Project ID: G650-118

Analyzed By: EAW
Date Collected: 7/24/2007 18:22
Date Received: 7/26/2007
Date Extracted: 7/27/2007
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	10.0	3.38	1	8/1/2007	
Pyrene	BQL	10.0	2.08	1	8/1/2007	
1,2,4-Trichlorobenzene	BQL	10.0	1.33	1	8/1/2007	
2,4,6-Trichlorophenol	BQL	10.0	2.92	1	8/1/2007	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	7.2	72		
2-Fluorophenol		10	7	70		
Nitrobenzene-d5		10	7.3	73		
Phenol-d6		10	7	70		
2,4,6-Tribromophenol		10	6.7	67		
4-Terphenyl-d14		10	8.6	86		

Comments:

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

Flags:

BQL = Below Quantitation Limits.

J = Detected below the quantitation limit.

Reviewed By: 

**Results of Library Search for Semivolatile Compounds**
by GCMS

Client Sample ID: USTLCH4015-MW16
Client Project ID: NV019
Lab Sample ID: G650-118-14G
Lab Project ID: G650-118
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: EAW
Date Collected: 7/24/2007 18:22
Date Received: 7/26/2007
Date Extracted: 7/27/2007
Date Analyzed: 8/1/2007
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Unknown	6.29			23.4
2	Unknown	12.39			6.82
3	Unknown	8.61			4.32
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: 

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: USTLCH4015-MW15
Client Project ID: NV019
Lab Sample ID: G650-118-15G
Lab Project ID: G650-118

Analyzed By: EAW
Date Collected: 7/24/2007 19:01
Date Received: 7/26/2007
Date Extracted: 7/27/2007
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	10.0	1.22	1	8/1/2007	
Acenaphthylene	BQL	10.0	1.12	1	8/1/2007	
Anthracene	BQL	10.0	1.75	1	8/1/2007	
Benzo[a]anthracene	BQL	10.0	1.36	1	8/1/2007	
Benzo[a]pyrene	BQL	10.0	1.27	1	8/1/2007	
Benzo[b]fluoranthene	BQL	10.0	1.43	1	8/1/2007	
Benzo[g,h,i]perylene	BQL	10.0	4.57	1	8/1/2007	
Benzo[k]fluoranthene	BQL	10.0	1.09	1	8/1/2007	
Bis(2-chloroethoxy)methane	BQL	10.0	1.11	1	8/1/2007	
Bis(2-chloroethyl)ether	BQL	10.0	1.09	1	8/1/2007	
Bis(2-chloroisopropyl)ether	BQL	10.0	1.57	1	8/1/2007	
Bis(2-ethylhexyl)phthalate	BQL	10.0	1.33	1	8/1/2007	
4-bromophenyl phenyl ether	BQL	10.0	1.99	1	8/1/2007	
Butylbenzylphthalate	BQL	10.0	1.53	1	8/1/2007	
2-Chloronaphthalene	BQL	10.0	1.25	1	8/1/2007	
2-Chlorophenol	BQL	10.0	4.22	1	8/1/2007	
4-Chloro-3-methylphenol	BQL	10.0	3.26	1	8/1/2007	
4-Chlorophenyl phenyl ether	BQL	10.0	1.42	1	8/1/2007	
Chrysene	BQL	10.0	1.11	1	8/1/2007	
Dibenzo[a,h]anthracene	BQL	10.0	4.87	1	8/1/2007	
Di-n-Butylphthalate	BQL	10.0	1.65	1	8/1/2007	
3,3'-Dichlorobenzidine	BQL	20.0	4.10	1	8/1/2007	
2,4-Dichlorophenol	BQL	10.0	3.75	1	8/1/2007	
Diethylphthalate	BQL	10.0	1.48	1	8/1/2007	
Dimethylphthalate	BQL	10.0	1.04	1	8/1/2007	
2,4-Dimethylphenol	BQL	10.0	9.25	1	8/1/2007	
Di-n-octylphthalate	BQL	10.0	1.16	1	8/1/2007	
4,6-Dinitro-2-methylphenol	BQL	50.0	3.71	1	8/1/2007	
2,4-Dinitrophenol	BQL	50.0	4.20	1	8/1/2007	
2,4-Dinitrotoluene	BQL	10.0	1.52	1	8/1/2007	
2,6-Dinitrotoluene	BQL	10.0	1.41	1	8/1/2007	
Diphenylamine *	BQL	10.0	1.53	1	8/1/2007	
Fluoranthene	BQL	10.0	1.41	1	8/1/2007	
Fluorene	BQL	10.0	1.22	1	8/1/2007	
Hexachlorobenzene	BQL	10.0	1.22	1	8/1/2007	
Hexachlorobutadiene	BQL	10.0	1.58	1	8/1/2007	
Hexachlorocyclopentadiene	BQL	20.0	20.0	1	8/1/2007	
Hexachloroethane	BQL	10.0	1.58	1	8/1/2007	
Indeno(1,2,3-c,d)pyrene	BQL	10.0	4.57	1	8/1/2007	
Isophorone	BQL	10.0	1.27	1	8/1/2007	
Naphthalene	BQL	10.0	1.08	1	8/1/2007	
Nitrobenzene	BQL	10.0	1.32	1	8/1/2007	
2-Nitrophenol	BQL	10.0	3.52	1	8/1/2007	
4-Nitrophenol	BQL	50.0	3.17	1	8/1/2007	
N-Nitrosodi-n-propylamine	BQL	10.0	1.87	1	8/1/2007	
Pentachlorophenol	BQL	50.0	2.83	1	8/1/2007	
Phenanthrene	BQL	10.0	1.38	1	8/1/2007	

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: USTLCH4015-MW15
Client Project ID: NV019
Lab Sample ID: G650-118-15G
Lab Project ID: G650-118

Analyzed By: EAW
Date Collected: 7/24/2007 19:01
Date Received: 7/26/2007
Date Extracted: 7/27/2007
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	10.0	3.38	1	8/1/2007	
Pyrene	BQL	10.0	2.08	1	8/1/2007	
1,2,4-Trichlorobenzene	BQL	10.0	1.33	1	8/1/2007	
2,4,6-Trichlorophenol	BQL	10.0	2.92	1	8/1/2007	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	3	30 #		
2-Fluorophenol		10	2.7	27 #		
Nitrobenzene-d5		10	3	30 #		
Phenol-d6		10	2.8	28 #		
2,4,6-Tribromophenol		10	2.8	28 #		
4-Terphenyl-d14		10	3.4	34		

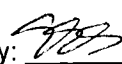
Comments:

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

Flags:

BQL = Below Quantitation Limits.

J = Detected below the quantitation limit.

Reviewed By: 

**Results of Library Search for Semivolatile Compounds**
by GCMS

Client Sample ID: USTLCH4015-MW15
Client Project ID: NV019
Lab Sample ID: G650-118-15G
Lab Project ID: G650-118
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: EAW
Date Collected: 7/24/2007 19:01
Date Received: 7/26/2007
Date Extracted: 7/27/2007
Date Analyzed: 8/1/2007
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Unknown	12.38			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: 

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: USTLCH4015-MW15
Client Project ID: NV019
Lab Sample ID: G650-118-15H
Lab Project ID: G650-118

Analyzed By: EAW
Date Collected: 7/24/2007 19:01
Date Received: 7/26/2007
Date Extracted: 8/1/2007
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	11.6	1.42	1	8/3/2007	
Acenaphthylene	BQL	11.6	1.30	1	8/3/2007	
Anthracene	BQL	11.6	2.03	1	8/3/2007	
Benzo[a]anthracene	BQL	11.6	1.58	1	8/3/2007	
Benzo[a]pyrene	BQL	11.6	1.48	1	8/3/2007	
Benzo[b]fluoranthene	BQL	11.6	1.66	1	8/3/2007	
Benzo[g,h,i]perylene	BQL	11.6	5.31	1	8/3/2007	
Benzo[k]fluoranthene	BQL	11.6	1.27	1	8/3/2007	
Bis(2-chloroethoxy)methane	BQL	11.6	1.29	1	8/3/2007	
Bis(2-chloroethyl)ether	BQL	11.6	1.27	1	8/3/2007	
Bis(2-chloroisopropyl)ether	BQL	11.6	1.83	1	8/3/2007	
Bis(2-ethylhexyl)phthalate	BQL	11.6	1.55	1	8/3/2007	
4-bromophenyl phenyl ether	BQL	11.6	2.31	1	8/3/2007	
Butylbenzylphthalate	BQL	11.6	1.78	1	8/3/2007	
2-Chloronaphthalene	BQL	11.6	1.45	1	8/3/2007	
2-Chlorophenol	BQL	11.6	4.91	1	8/3/2007	
4-Chloro-3-methylphenol	BQL	11.6	3.79	1	8/3/2007	
4-Chlorophenyl phenyl ether	BQL	11.6	1.65	1	8/3/2007	
Chrysene	BQL	11.6	1.29	1	8/3/2007	
Dibenzo[a,h]anthracene	BQL	11.6	5.66	1	8/3/2007	
Di-n-Butylphthalate	BQL	11.6	1.92	1	8/3/2007	
3,3'-Dichlorobenzidine	BQL	23.3	4.77	1	8/3/2007	
2,4-Dichlorophenol	BQL	11.6	4.36	1	8/3/2007	
Diethylphthalate	BQL	11.6	1.72	1	8/3/2007	
Dimethylphthalate	BQL	11.6	1.21	1	8/3/2007	
2,4-Dimethylphenol	BQL	11.6	10.8	1	8/3/2007	
Di-n-octylphthalate	BQL	11.6	1.35	1	8/3/2007	
4,6-Dinitro-2-methylphenol	BQL	58.1	4.31	1	8/3/2007	
2,4-Dinitrophenol	BQL	58.1	4.88	1	8/3/2007	
2,4-Dinitrotoluene	BQL	11.6	1.77	1	8/3/2007	
2,6-Dinitrotoluene	BQL	11.6	1.64	1	8/3/2007	
Diphenylamine *	BQL	11.6	1.78	1	8/3/2007	
Fluoranthene	BQL	11.6	1.64	1	8/3/2007	
Fluorene	BQL	11.6	1.42	1	8/3/2007	
Hexachlorobenzene	BQL	11.6	1.42	1	8/3/2007	
Hexachlorobutadiene	BQL	11.6	1.84	1	8/3/2007	
Hexachlorocyclopentadiene	BQL	23.3	23.3	1	8/3/2007	
Hexachloroethane	BQL	11.6	1.84	1	8/3/2007	
Indeno(1,2,3-c,d)pyrene	BQL	11.6	5.31	1	8/3/2007	
Isophorone	BQL	11.6	1.48	1	8/3/2007	
Naphthalene	BQL	11.6	1.26	1	8/3/2007	
Nitrobenzene	BQL	11.6	1.53	1	8/3/2007	
2-Nitrophenol	BQL	11.6	4.09	1	8/3/2007	
4-Nitrophenol	BQL	58.1	3.69	1	8/3/2007	
N-Nitrosodi-n-propylamine	BQL	11.6	2.17	1	8/3/2007	
Pentachlorophenol	BQL	58.1	3.29	1	8/3/2007	
Phenanthrene	BQL	11.6	1.60	1	8/3/2007	

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: USTLCH4015-MW15
Client Project ID: NV019
Lab Sample ID: G650-118-15H
Lab Project ID: G650-118

Analyzed By: EAW
Date Collected: 7/24/2007 19:01
Date Received: 7/26/2007
Date Extracted: 8/1/2007
Matrix: Water

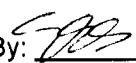
Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	11.6	3.93	1	8/3/2007	
Pyrene	BQL	11.6	2.42	1	8/3/2007	
1,2,4-Trichlorobenzene	BQL	11.6	1.55	1	8/3/2007	
2,4,6-Trichlorophenol	BQL	11.6	3.40	1	8/3/2007	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	6.8	68		
2-Fluorophenol		10	6.7	67		
Nitrobenzene-d5		10	6.8	68		
Phenol-d6		10	6.7	67		
2,4,6-Tribromophenol		10	7.7	77		
4-Terphenyl-d14		10	8.2	82		

Comments:

* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.
Sample was re-extracted out of hold.

Flags:

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

Reviewed By: 

**Results of Library Search for Semivolatile Compounds**
by GCMS

Client Sample ID: USTLCH4015-MW15
Client Project ID: NV019
Lab Sample ID: G650-118-15H
Lab Project ID: G650-118
Sample Wt/Vol: 430 ML
Dilution: 1

Analyzed By: EAW
Date Collected: 7/24/2007 19:01
Date Received: 7/26/2007
Date Extracted: 8/1/2007
Date Analyzed: 8/3/2007
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Unknown	12.27			10.5
2	Cyclohexane, 1,2-dichloro-, trans-	7.70	000822-86-6	78	5.47
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: 

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: USTLCH4015-MW08
Client Project ID: NV019
Lab Sample ID: G650-118-16H
Lab Project ID: G650-118

Analyzed By: EAW
Date Collected: 7/25/2007 9:17
Date Received: 7/26/2007
Date Extracted: 8/1/2007
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	11.6	1.42	1	8/3/2007	
Acenaphthylene	BQL	11.6	1.30	1	8/3/2007	
Anthracene	BQL	11.6	2.03	1	8/3/2007	
Benzo[a]anthracene	BQL	11.6	1.58	1	8/3/2007	
Benzo[a]pyrene	BQL	11.6	1.48	1	8/3/2007	
Benzo[b]fluoranthene	BQL	11.6	1.66	1	8/3/2007	
Benzo[g,h,i]perylene	BQL	11.6	5.31	1	8/3/2007	
Benzo[k]fluoranthene	BQL	11.6	1.27	1	8/3/2007	
Bis(2-chloroethoxy)methane	BQL	11.6	1.29	1	8/3/2007	
Bis(2-chloroethyl)ether	BQL	11.6	1.27	1	8/3/2007	
Bis(2-chloroisopropyl)ether	BQL	11.6	1.83	1	8/3/2007	
Bis(2-ethylhexyl)phthalate	BQL	11.6	1.55	1	8/3/2007	
4-bromophenyl phenyl ether	BQL	11.6	2.31	1	8/3/2007	
Butylbenzylphthalate	BQL	11.6	1.78	1	8/3/2007	
2-Chloronaphthalene	BQL	11.6	1.45	1	8/3/2007	
2-Chlorophenol	BQL	11.6	4.91	1	8/3/2007	
4-Chloro-3-methylphenol	BQL	11.6	3.79	1	8/3/2007	
4-Chlorophenyl phenyl ether	BQL	11.6	1.65	1	8/3/2007	
Chrysene	BQL	11.6	1.29	1	8/3/2007	
Dibenzo[a,h]anthracene	BQL	11.6	5.66	1	8/3/2007	
Di-n-Butylphthalate	BQL	11.6	1.92	1	8/3/2007	
3,3'-Dichlorobenzidine	BQL	23.3	4.77	1	8/3/2007	
2,4-Dichlorophenol	BQL	11.6	4.36	1	8/3/2007	
Diethylphthalate	BQL	11.6	1.72	1	8/3/2007	
Dimethylphthalate	BQL	11.6	1.21	1	8/3/2007	
2,4-Dimethylphenol	BQL	11.6	10.8	1	8/3/2007	
Di-n-octylphthalate	BQL	11.6	1.35	1	8/3/2007	
4,6-Dinitro-2-methylphenol	BQL	58.1	4.31	1	8/3/2007	
2,4-Dinitrophenol	BQL	58.1	4.88	1	8/3/2007	
2,4-Dinitrotoluene	BQL	11.6	1.77	1	8/3/2007	
2,6-Dinitrotoluene	BQL	11.6	1.64	1	8/3/2007	
Diphenylamine *	BQL	11.6	1.78	1	8/3/2007	
Fluoranthene	BQL	11.6	1.64	1	8/3/2007	
Fluorene	BQL	11.6	1.42	1	8/3/2007	
Hexachlorobenzene	BQL	11.6	1.42	1	8/3/2007	
Hexachlorobutadiene	BQL	11.6	1.84	1	8/3/2007	
Hexachlorocyclopentadiene	BQL	23.3	23.3	1	8/3/2007	
Hexachloroethane	BQL	11.6	1.84	1	8/3/2007	
Indeno(1,2,3-c,d)pyrene	BQL	11.6	5.31	1	8/3/2007	
Isophorone	BQL	11.6	1.48	1	8/3/2007	
Naphthalene	BQL	11.6	1.26	1	8/3/2007	
Nitrobenzene	BQL	11.6	1.53	1	8/3/2007	
2-Nitrophenol	BQL	11.6	4.09	1	8/3/2007	
4-Nitrophenol	BQL	58.1	3.69	1	8/3/2007	
N-Nitrosodi-n-propylamine	BQL	11.6	2.17	1	8/3/2007	
Pentachlorophenol	BQL	58.1	3.29	1	8/3/2007	
Phenanthrene	BQL	11.6	1.60	1	8/3/2007	

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: USTLCH4015-MW08
Client Project ID: NV019
Lab Sample ID: G650-118-16H
Lab Project ID: G650-118

Analyzed By: EAW
Date Collected: 7/25/2007 9:17
Date Received: 7/26/2007
Date Extracted: 8/1/2007
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	11.6	3.93	1	8/3/2007	
Pyrene	BQL	11.6	2.42	1	8/3/2007	
1,2,4-Trichlorobenzene	BQL	11.6	1.55	1	8/3/2007	
2,4,6-Trichlorophenol	BQL	11.6	3.40	1	8/3/2007	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	6.5	65		
2-Fluorophenol		10	6.6	66		
Nitrobenzene-d5		10	6.8	68		
Phenol-d6		10	6.5	65		
2,4,6-Tribromophenol		10	7.5	75		
4-Terphenyl-d14		10	8.3	83		

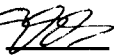
Comments:

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

Flags:

BQL = Below Quantitation Limits.

J = Detected below the quantitation limit.

Reviewed By: 

**Results of Library Search for Semivolatile Compounds**
by GCMS

Client Sample ID: USTLCH4015-MW08
Client Project ID: NV019
Lab Sample ID: G650-118-16H
Lab Project ID: G650-118
Sample Wt/Vol: 430 ML
Dilution: 1

Analyzed By: EAW
Date Collected: 7/25/2007 9:17
Date Received: 7/26/2007
Date Extracted: 8/1/2007
Date Analyzed: 8/3/2007
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Unknown	12.27			11.2
2	Cyclohexane, 1,2-dichloro-, trans-	7.70	000822-86-6	90	7.04
3	Unknown	6.18			4.02
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: 

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: USTLCH4015-MW04
Client Project ID: NV019
Lab Sample ID: G650-118-17H
Lab Project ID: G650-118

Analyzed By: EAW
Date Collected: 7/25/2007 9:39
Date Received: 7/26/2007
Date Extracted: 8/1/2007
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	11.6	1.42	1	8/3/2007	
Acenaphthylene	BQL	11.6	1.30	1	8/3/2007	
Anthracene	BQL	11.6	2.03	1	8/3/2007	
Benzo[a]anthracene	BQL	11.6	1.58	1	8/3/2007	
Benzo[a]pyrene	BQL	11.6	1.48	1	8/3/2007	
Benzo[b]fluoranthene	BQL	11.6	1.66	1	8/3/2007	
Benzo[g,h,i]perylene	BQL	11.6	5.31	1	8/3/2007	
Benzo[k]fluoranthene	BQL	11.6	1.27	1	8/3/2007	
Bis(2-chloroethoxy)methane	BQL	11.6	1.29	1	8/3/2007	
Bis(2-chloroethyl)ether	BQL	11.6	1.27	1	8/3/2007	
Bis(2-chloroisopropyl)ether	BQL	11.6	1.83	1	8/3/2007	
Bis(2-ethylhexyl)phthalate	BQL	11.6	1.55	1	8/3/2007	
4-bromophenyl phenyl ether	BQL	11.6	2.31	1	8/3/2007	
Butylbenzylphthalate	BQL	11.6	1.78	1	8/3/2007	
2-Chloronaphthalene	BQL	11.6	1.45	1	8/3/2007	
2-Chlorophenol	BQL	11.6	4.91	1	8/3/2007	
4-Chloro-3-methylphenol	BQL	11.6	3.79	1	8/3/2007	
4-Chlorophenyl phenyl ether	BQL	11.6	1.65	1	8/3/2007	
Chrysene	BQL	11.6	1.29	1	8/3/2007	
Dibenzo[a,h]anthracene	BQL	11.6	5.66	1	8/3/2007	
Di-n-Butylphthalate	BQL	11.6	1.92	1	8/3/2007	
3,3'-Dichlorobenzidine	BQL	23.3	4.77	1	8/3/2007	
2,4-Dichlorophenol	BQL	11.6	4.36	1	8/3/2007	
Diethylphthalate	BQL	11.6	1.72	1	8/3/2007	
Dimethylphthalate	BQL	11.6	1.21	1	8/3/2007	
2,4-Dimethylphenol	BQL	11.6	10.8	1	8/3/2007	
Di-n-octylphthalate	BQL	11.6	1.35	1	8/3/2007	
4,6-Dinitro-2-methylphenol	BQL	58.1	4.31	1	8/3/2007	
2,4-Dinitrophenol	BQL	58.1	4.88	1	8/3/2007	
2,4-Dinitrotoluene	BQL	11.6	1.77	1	8/3/2007	
2,6-Dinitrotoluene	BQL	11.6	1.64	1	8/3/2007	
Diphenylamine *	BQL	11.6	1.78	1	8/3/2007	
Fluoranthene	BQL	11.6	1.64	1	8/3/2007	
Fluorene	BQL	11.6	1.42	1	8/3/2007	
Hexachlorobenzene	BQL	11.6	1.42	1	8/3/2007	
Hexachlorobutadiene	BQL	11.6	1.84	1	8/3/2007	
Hexachlorocyclopentadiene	BQL	23.3	23.3	1	8/3/2007	
Hexachloroethane	BQL	11.6	1.84	1	8/3/2007	
Indeno(1,2,3-c,d)pyrene	BQL	11.6	5.31	1	8/3/2007	
Isophorone	BQL	11.6	1.48	1	8/3/2007	
Naphthalene	2.33	11.6	1.26	1	8/3/2007	J
Nitrobenzene	BQL	11.6	1.53	1	8/3/2007	
2-Nitrophenol	BQL	11.6	4.09	1	8/3/2007	
4-Nitrophenol	BQL	58.1	3.69	1	8/3/2007	
N-Nitrosodi-n-propylamine	BQL	11.6	2.17	1	8/3/2007	
Pentachlorophenol	BQL	58.1	3.29	1	8/3/2007	
Phenanthrene	BQL	11.6	1.60	1	8/3/2007	

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: USTLCH4015-MW04
Client Project ID: NV019
Lab Sample ID: G650-118-17H
Lab Project ID: G650-118

Analyzed By: EAW
Date Collected: 7/25/2007 9:39
Date Received: 7/26/2007
Date Extracted: 8/1/2007
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	11.6	3.93	1	8/3/2007	
Pyrene	BQL	11.6	2.42	1	8/3/2007	
1,2,4-Trichlorobenzene	BQL	11.6	1.55	1	8/3/2007	
2,4,6-Trichlorophenol	BQL	11.6	3.40	1	8/3/2007	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	7.2	72		
2-Fluorophenol		10	7.2	72		
Nitrobenzene-d5		10	7.3	73		
Phenol-d6		10	7.2	72		
2,4,6-Tribromophenol		10	8.6	86		
4-Terphenyl-d14		10	9.1	91		

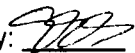
Comments:

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

Flags:

BQL = Below Quantitation Limits.

J = Detected below the quantitation limit.

Reviewed By: 

**Results of Library Search for Semivolatile Compounds**
by GCMS

Client Sample ID: USTLCH4015-MW04
Client Project ID: NV019
Lab Sample ID: G650-118-17H
Lab Project ID: G650-118
Sample Wt/Vol: 430 ML
Dilution: 1

Analyzed By: EAW
Date Collected: 7/25/2007 9:39
Date Received: 7/26/2007
Date Extracted: 8/1/2007
Date Analyzed: 8/3/2007
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Unknown	12.27			11.2
2	Cyclohexane, 1,2-dichloro-, trans-	7.70	000822-86-6	90	7.04
3	Unknown	6.18			4.02
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: 

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: USTLCH4015-MW05
Client Project ID: NV019
Lab Sample ID: G650-118-18H
Lab Project ID: G650-118

Analyzed By: EAW
Date Collected: 7/25/2007 10:47
Date Received: 7/26/2007
Date Extracted: 8/1/2007
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	11.6	1.42	1	8/3/2007	
Acenaphthylene	BQL	11.6	1.30	1	8/3/2007	
Anthracene	BQL	11.6	2.03	1	8/3/2007	
Benzo[a]anthracene	BQL	11.6	1.58	1	8/3/2007	
Benzo[a]pyrene	BQL	11.6	1.48	1	8/3/2007	
Benzo[b]fluoranthene	BQL	11.6	1.66	1	8/3/2007	
Benzo[g,h,i]perylene	BQL	11.6	5.31	1	8/3/2007	
Benzo[k]fluoranthene	BQL	11.6	1.27	1	8/3/2007	
Bis(2-chloroethoxy)methane	BQL	11.6	1.29	1	8/3/2007	
Bis(2-chloroethyl)ether	BQL	11.6	1.27	1	8/3/2007	
Bis(2-chloroisopropyl)ether	BQL	11.6	1.83	1	8/3/2007	
Bis(2-ethylhexyl)phthalate	BQL	11.6	1.55	1	8/3/2007	
4-bromophenyl phenyl ether	BQL	11.6	2.31	1	8/3/2007	
Butylbenzylphthalate	BQL	11.6	1.78	1	8/3/2007	
2-Chloronaphthalene	BQL	11.6	1.45	1	8/3/2007	
2-Chlorophenol	BQL	11.6	4.91	1	8/3/2007	
4-Chloro-3-methylphenol	BQL	11.6	3.79	1	8/3/2007	
4-Chlorophenyl phenyl ether	BQL	11.6	1.65	1	8/3/2007	
Chrysene	BQL	11.6	1.29	1	8/3/2007	
Dibenzo[a,h]anthracene	BQL	11.6	5.66	1	8/3/2007	
Di-n-Butylphthalate	BQL	11.6	1.92	1	8/3/2007	
3,3'-Dichlorobenzidine	BQL	23.3	4.77	1	8/3/2007	
2,4-Dichlorophenol	BQL	11.6	4.36	1	8/3/2007	
Diethylphthalate	4.77	11.6	1.72	1	8/3/2007	J
Dimethylphthalate	BQL	11.6	1.21	1	8/3/2007	
2,4-Dimethylphenol	BQL	11.6	10.8	1	8/3/2007	
Di-n-octylphthalate	BQL	11.6	1.35	1	8/3/2007	
4,6-Dinitro-2-methylphenol	BQL	58.1	4.31	1	8/3/2007	
2,4-Dinitrophenol	BQL	58.1	4.88	1	8/3/2007	
2,4-Dinitrotoluene	BQL	11.6	1.77	1	8/3/2007	
2,6-Dinitrotoluene	BQL	11.6	1.64	1	8/3/2007	
Diphenylamine *	BQL	11.6	1.78	1	8/3/2007	
Fluoranthene	BQL	11.6	1.64	1	8/3/2007	
Fluorene	BQL	11.6	1.42	1	8/3/2007	
Hexachlorobenzene	BQL	11.6	1.42	1	8/3/2007	
Hexachlorobutadiene	BQL	11.6	1.84	1	8/3/2007	
Hexachlorocyclopentadiene	BQL	23.3	23.3	1	8/3/2007	
Hexachloroethane	BQL	11.6	1.84	1	8/3/2007	
Indeno(1,2,3-c,d)pyrene	BQL	11.6	5.31	1	8/3/2007	
Isophorone	BQL	11.6	1.48	1	8/3/2007	
Naphthalene	BQL	11.6	1.26	1	8/3/2007	
Nitrobenzene	BQL	11.6	1.53	1	8/3/2007	
2-Nitrophenol	BQL	11.6	4.09	1	8/3/2007	
4-Nitrophenol	BQL	58.1	3.69	1	8/3/2007	
N-Nitrosodi-n-propylamine	BQL	11.6	2.17	1	8/3/2007	
Pentachlorophenol	BQL	58.1	3.29	1	8/3/2007	
Phenanthrene	BQL	11.6	1.60	1	8/3/2007	

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: USTLCH4015-MW05
Client Project ID: NV019
Lab Sample ID: G650-118-18H
Lab Project ID: G650-118

Analyzed By: EAW
Date Collected: 7/25/2007 10:47
Date Received: 7/26/2007
Date Extracted: 8/1/2007
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	11.6	3.93	1	8/3/2007	
Pyrene	BQL	11.6	2.42	1	8/3/2007	
1,2,4-Trichlorobenzene	BQL	11.6	1.55	1	8/3/2007	
2,4,6-Trichlorophenol	BQL	11.6	3.40	1	8/3/2007	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	7.2	72		
2-Fluorophenol		10	7.3	73		
Nitrobenzene-d5		10	7.4	74		
Phenol-d6		10	7.5	75		
2,4,6-Tribromophenol		10	8.2	82		
4-Terphenyl-d14		10	8.4	84		

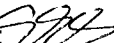
Comments:

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

Flags:

BQL = Below Quantitation Limits.

J = Detected below the quantitation limit.

Reviewed By: 

**Results of Library Search for Semivolatile Compounds**
by GCMS

Client Sample ID: USTLCH4015-MW05
Client Project ID: NV019
Lab Sample ID: G650-118-18H
Lab Project ID: G650-118
Sample Wt/Vol: 430 ML
Dilution: 1

Analyzed By: EAW
Date Collected: 7/25/2007 10:47
Date Received: 7/26/2007
Date Extracted: 8/1/2007
Date Analyzed: 8/3/2007
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Unknown	12.27			10.1
2	Aromatic, Unknown	7.27			7.1
3	Alkane, Unknown	7.69			6.71
4	Unknown	6.18			5.47
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: 

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: USTLCH4015-MW03
Client Project ID: NV019
Lab Sample ID: G650-118-19H
Lab Project ID: G650-118

Analyzed By: EAW
Date Collected: 7/25/2007 11:17
Date Received: 7/26/2007
Date Extracted: 8/1/2007
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	11.6	1.42	1	8/3/2007	
Acenaphthylene	BQL	11.6	1.30	1	8/3/2007	
Anthracene	BQL	11.6	2.03	1	8/3/2007	
Benzo[a]anthracene	BQL	11.6	1.58	1	8/3/2007	
Benzo[a]pyrene	BQL	11.6	1.48	1	8/3/2007	
Benzo[b]fluoranthene	BQL	11.6	1.66	1	8/3/2007	
Benzo[g,h,i]perylene	BQL	11.6	5.31	1	8/3/2007	
Benzo[k]fluoranthene	BQL	11.6	1.27	1	8/3/2007	
Bis(2-chloroethoxy)methane	BQL	11.6	1.29	1	8/3/2007	
Bis(2-chloroethyl)ether	BQL	11.6	1.27	1	8/3/2007	
Bis(2-chloroisopropyl)ether	BQL	11.6	1.83	1	8/3/2007	
Bis(2-ethylhexyl)phthalate	3.26	11.6	1.55	1	8/3/2007	J
4-bromophenyl phenyl ether	BQL	11.6	2.31	1	8/3/2007	
Butylbenzylphthalate	BQL	11.6	1.78	1	8/3/2007	
2-Chloronaphthalene	BQL	11.6	1.45	1	8/3/2007	
2-Chlorophenol	BQL	11.6	4.91	1	8/3/2007	
4-Chloro-3-methylphenol	BQL	11.6	3.79	1	8/3/2007	
4-Chlorophenyl phenyl ether	BQL	11.6	1.65	1	8/3/2007	
Chrysene	BQL	11.6	1.29	1	8/3/2007	
Dibenzo[a,h]anthracene	BQL	11.6	5.66	1	8/3/2007	
Di-n-Butylphthalate	BQL	11.6	1.92	1	8/3/2007	
3,3'-Dichlorobenzidine	BQL	23.3	4.77	1	8/3/2007	
2,4-Dichlorophenol	BQL	11.6	4.36	1	8/3/2007	
Diethylphthalate	BQL	11.6	1.72	1	8/3/2007	
Dimethylphthalate	BQL	11.6	1.21	1	8/3/2007	
2,4-Dimethylphenol	BQL	11.6	10.8	1	8/3/2007	
Di-n-octylphthalate	BQL	11.6	1.35	1	8/3/2007	
4,6-Dinitro-2-methylphenol	BQL	58.1	4.31	1	8/3/2007	
2,4-Dinitrophenol	BQL	58.1	4.88	1	8/3/2007	
2,4-Dinitrotoluene	BQL	11.6	1.77	1	8/3/2007	
2,6-Dinitrotoluene	BQL	11.6	1.64	1	8/3/2007	
Diphenylamine *	BQL	11.6	1.78	1	8/3/2007	
Fluoranthene	BQL	11.6	1.64	1	8/3/2007	
Fluorene	BQL	11.6	1.42	1	8/3/2007	
Hexachlorobenzene	BQL	11.6	1.42	1	8/3/2007	
Hexachlorobutadiene	BQL	11.6	1.84	1	8/3/2007	
Hexachlorocyclopentadiene	BQL	23.3	23.3	1	8/3/2007	
Hexachloroethane	BQL	11.6	1.84	1	8/3/2007	
Indeno(1,2,3-c,d)pyrene	BQL	11.6	5.31	1	8/3/2007	
Isophorone	BQL	11.6	1.48	1	8/3/2007	
Naphthalene	BQL	11.6	1.26	1	8/3/2007	
Nitrobenzene	BQL	11.6	1.53	1	8/3/2007	
2-Nitrophenol	BQL	11.6	4.09	1	8/3/2007	
4-Nitrophenol	BQL	58.1	3.69	1	8/3/2007	
N-Nitrosodi-n-propylamine	BQL	11.6	2.17	1	8/3/2007	
Pentachlorophenol	BQL	58.1	3.29	1	8/3/2007	
Phenanthrene	BQL	11.6	1.60	1	8/3/2007	

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: USTLCH4015-MW03
Client Project ID: NV019
Lab Sample ID: G650-118-19H
Lab Project ID: G650-118

Analyzed By: EAW
Date Collected: 7/25/2007 11:17
Date Received: 7/26/2007
Date Extracted: 8/1/2007
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	11.6	3.93	1	8/3/2007	
Pyrene	BQL	11.6	2.42	1	8/3/2007	
1,2,4-Trichlorobenzene	BQL	11.6	1.55	1	8/3/2007	
2,4,6-Trichlorophenol	BQL	11.6	3.40	1	8/3/2007	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	7.4	74		
2-Fluorophenol		10	7.6	76		
Nitrobenzene-d5		10	7.6	76		
Phenol-d6		10	7.6	76		
2,4,6-Tribromophenol		10	8.7	87		
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: 

**Results of Library Search for Semivolatile Compounds**
by GCMS

Client Sample ID: USTLCH4015-MW03
Client Project ID: NV019
Lab Sample ID: G650-118-19H
Lab Project ID: G650-118
Sample Wt/Vol: 430 ML
Dilution: 1

Analyzed By: EAW
Date Collected: 7/25/2007 11:17
Date Received: 7/26/2007
Date Extracted: 8/1/2007
Date Analyzed: 8/3/2007
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Unknown	12.27			11.4
2	Unknown	6.19			5.36
3	Unknown	5.06			4.4
4	Cyclohexane, 1,2-dichloro-, trans-	7.69	000822-86-6	90	4.15
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: 

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: USTLCH4015-MW09
Client Project ID: NV019
Lab Sample ID: G650-118-20I
Lab Project ID: G650-118

Analyzed By: EAW
Date Collected: 7/25/2007 11:40
Date Received: 7/26/2007
Date Extracted: 8/1/2007
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	11.6	1.42	1	8/3/2007	
Acenaphthylene	BQL	11.6	1.30	1	8/3/2007	
Anthracene	BQL	11.6	2.03	1	8/3/2007	
Benzo[a]anthracene	BQL	11.6	1.58	1	8/3/2007	
Benzo[a]pyrene	BQL	11.6	1.48	1	8/3/2007	
Benzo[b]fluoranthene	BQL	11.6	1.66	1	8/3/2007	
Benzo[g,h,i]perylene	BQL	11.6	5.31	1	8/3/2007	
Benzo[k]fluoranthene	BQL	11.6	1.27	1	8/3/2007	
Bis(2-chloroethoxy)methane	BQL	11.6	1.29	1	8/3/2007	
Bis(2-chloroethyl)ether	BQL	11.6	1.27	1	8/3/2007	
Bis(2-chloroisopropyl)ether	BQL	11.6	1.83	1	8/3/2007	
Bis(2-ethylhexyl)phthalate	BQL	11.6	1.55	1	8/3/2007	
4-bromophenyl phenyl ether	BQL	11.6	2.31	1	8/3/2007	
Butylbenzylphthalate	BQL	11.6	1.78	1	8/3/2007	
2-Chloronaphthalene	BQL	11.6	1.45	1	8/3/2007	
2-Chlorophenol	BQL	11.6	4.91	1	8/3/2007	
4-Chloro-3-methylphenol	BQL	11.6	3.79	1	8/3/2007	
4-Chlorophenyl phenyl ether	BQL	11.6	1.65	1	8/3/2007	
Chrysene	BQL	11.6	1.29	1	8/3/2007	
Dibenzo[a,h]anthracene	BQL	11.6	5.66	1	8/3/2007	
Di-n-Butylphthalate	BQL	11.6	1.92	1	8/3/2007	
3,3'-Dichlorobenzidine	BQL	23.3	4.77	1	8/3/2007	
2,4-Dichlorophenol	BQL	11.6	4.36	1	8/3/2007	
Diethylphthalate	BQL	11.6	1.72	1	8/3/2007	
Dimethylphthalate	BQL	11.6	1.21	1	8/3/2007	
2,4-Dimethylphenol	BQL	11.6	10.8	1	8/3/2007	
Di-n-octylphthalate	BQL	11.6	1.35	1	8/3/2007	
4,6-Dinitro-2-methylphenol	BQL	58.1	4.31	1	8/3/2007	
2,4-Dinitrophenol	BQL	58.1	4.88	1	8/3/2007	
2,4-Dinitrotoluene	BQL	11.6	1.77	1	8/3/2007	
2,6-Dinitrotoluene	BQL	11.6	1.64	1	8/3/2007	
Diphenylamine *	BQL	11.6	1.78	1	8/3/2007	
Fluoranthene	BQL	11.6	1.64	1	8/3/2007	
Fluorene	BQL	11.6	1.42	1	8/3/2007	
Hexachlorobenzene	BQL	11.6	1.42	1	8/3/2007	
Hexachlorobutadiene	BQL	11.6	1.84	1	8/3/2007	
Hexachlorocyclopentadiene	BQL	23.3	23.3	1	8/3/2007	
Hexachloroethane	BQL	11.6	1.84	1	8/3/2007	
Indeno(1,2,3-c,d)pyrene	BQL	11.6	5.31	1	8/3/2007	
Isophorone	BQL	11.6	1.48	1	8/3/2007	
Naphthalene	BQL	11.6	1.26	1	8/3/2007	
Nitrobenzene	BQL	11.6	1.53	1	8/3/2007	
2-Nitrophenol	BQL	11.6	4.09	1	8/3/2007	
4-Nitrophenol	BQL	58.1	3.69	1	8/3/2007	
N-Nitrosodi-n-propylamine	BQL	11.6	2.17	1	8/3/2007	
Pentachlorophenol	BQL	58.1	3.29	1	8/3/2007	
Phenanthrene	BQL	11.6	1.60	1	8/3/2007	

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: USTLCH4015-MW09
Client Project ID: NV019
Lab Sample ID: G650-118-20I
Lab Project ID: G650-118

Analyzed By: EAW
Date Collected: 7/25/2007 11:40
Date Received: 7/26/2007
Date Extracted: 8/1/2007
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	11.6	3.93	1	8/3/2007	
Pyrene	BQL	11.6	2.42	1	8/3/2007	
1,2,4-Trichlorobenzene	BQL	11.6	1.55	1	8/3/2007	
2,4,6-Trichlorophenol	BQL	11.6	3.40	1	8/3/2007	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	7.2	72		
2-Fluorophenol		10	7	70		
Nitrobenzene-d5		10	7.3	73		
Phenol-d6		10	6.9	69		
2,4,6-Tribromophenol		10	7.9	79		
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: 

**Results of Library Search for Semivolatile Compounds**
by GCMS

Client Sample ID: USTLCH4015-MW09
Client Project ID: NV019
Lab Sample ID: G650-118-20I
Lab Project ID: G650-118
Sample Wt/Vol: 430 ML
Dilution: 1

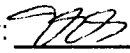
Analyzed By: EAW
Date Collected: 7/25/2007 11:40
Date Received: 7/26/2007
Date Extracted: 8/1/2007
Date Analyzed: 8/3/2007
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Unknown	12.27			9.46
2	Cyclohexane, 1,2-dichloro-, trans-	7.70	000822-86-6	90	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: 

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: USTLCH4015-MW24

Client Project ID: NV019

Lab Sample ID: G650-118-21J

Lab Project ID: G650-118

Analyzed By: EAW

Date Collected: 7/25/2007 12:07

Date Received: 7/26/2007

Date Extracted: 8/1/2007

Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	11.6	1.42	1	8/3/2007	
Acenaphthylene	BQL	11.6	1.30	1	8/3/2007	
Anthracene	BQL	11.6	2.03	1	8/3/2007	
Benzo[a]anthracene	BQL	11.6	1.58	1	8/3/2007	
Benzo[a]pyrene	BQL	11.6	1.48	1	8/3/2007	
Benzo[b]fluoranthene	BQL	11.6	1.66	1	8/3/2007	
Benzo[g,h,i]perylene	BQL	11.6	5.31	1	8/3/2007	
Benzo[k]fluoranthene	BQL	11.6	1.27	1	8/3/2007	
Bis(2-chloroethoxy)methane	BQL	11.6	1.29	1	8/3/2007	
Bis(2-chloroethyl)ether	BQL	11.6	1.27	1	8/3/2007	
Bis(2-chloroisopropyl)ether	BQL	11.6	1.83	1	8/3/2007	
Bis(2-ethylhexyl)phthalate	BQL	11.6	1.55	1	8/3/2007	
4-bromophenyl phenyl ether	BQL	11.6	2.31	1	8/3/2007	
Butylbenzylphthalate	BQL	11.6	1.78	1	8/3/2007	
2-Chloronaphthalene	BQL	11.6	1.45	1	8/3/2007	
2-Chlorophenol	BQL	11.6	4.91	1	8/3/2007	
4-Chloro-3-methylphenol	BQL	11.6	3.79	1	8/3/2007	
4-Chlorophenyl phenyl ether	BQL	11.6	1.65	1	8/3/2007	
Chrysene	BQL	11.6	1.29	1	8/3/2007	
Dibenzo[a,h]anthracene	BQL	11.6	5.66	1	8/3/2007	
Di-n-Butylphthalate	BQL	11.6	1.92	1	8/3/2007	
3,3'-Dichlorobenzidine	BQL	23.3	4.77	1	8/3/2007	
2,4-Dichlorophenol	BQL	11.6	4.36	1	8/3/2007	
Diethylphthalate	BQL	11.6	1.72	1	8/3/2007	
Dimethylphthalate	BQL	11.6	1.21	1	8/3/2007	
2,4-Dimethylphenol	BQL	11.6	10.8	1	8/3/2007	
Di-n-octylphthalate	BQL	11.6	1.35	1	8/3/2007	
4,6-Dinitro-2-methylphenol	BQL	58.1	4.31	1	8/3/2007	
2,4-Dinitrophenol	BQL	58.1	4.88	1	8/3/2007	
2,4-Dinitrotoluene	BQL	11.6	1.77	1	8/3/2007	
2,6-Dinitrotoluene	BQL	11.6	1.64	1	8/3/2007	
Diphenylamine *	BQL	11.6	1.78	1	8/3/2007	
Fluoranthene	BQL	11.6	1.64	1	8/3/2007	
Fluorene	BQL	11.6	1.42	1	8/3/2007	
Hexachlorobenzene	BQL	11.6	1.42	1	8/3/2007	
Hexachlorobutadiene	BQL	11.6	1.84	1	8/3/2007	
Hexachlorocyclopentadiene	BQL	23.3	23.3	1	8/3/2007	
Hexachloroethane	BQL	11.6	1.84	1	8/3/2007	
Indeno(1,2,3-c,d)pyrene	BQL	11.6	5.31	1	8/3/2007	
Isophorone	BQL	11.6	1.48	1	8/3/2007	
Naphthalene	BQL	11.6	1.26	1	8/3/2007	
Nitrobenzene	BQL	11.6	1.53	1	8/3/2007	
2-Nitrophenol	BQL	11.6	4.09	1	8/3/2007	
4-Nitrophenol	BQL	58.1	3.69	1	8/3/2007	
N-Nitrosodi-n-propylamine	BQL	11.6	2.17	1	8/3/2007	
Pentachlorophenol	BQL	58.1	3.29	1	8/3/2007	
Phenanthrene	BQL	11.6	1.60	1	8/3/2007	

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: USTLCH4015-MW24
Client Project ID: NV019
Lab Sample ID: G650-118-21J
Lab Project ID: G650-118

Analyzed By: EAW
Date Collected: 7/25/2007 12:07
Date Received: 7/26/2007
Date Extracted: 8/1/2007
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	11.6	3.93	1	8/3/2007	
Pyrene	BQL	11.6	2.42	1	8/3/2007	
1,2,4-Trichlorobenzene	BQL	11.6	1.55	1	8/3/2007	
2,4,6-Trichlorophenol	BQL	11.6	3.40	1	8/3/2007	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	6.8	68		
2-Fluorophenol		10	7	70		
Nitrobenzene-d5		10	7.1	71		
Phenol-d6		10	6.7	67		
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: 

**Results of Library Search for Semivolatile Compounds**
by GCMS

Client Sample ID: USTLCH4015-MW24
Client Project ID: NV019
Lab Sample ID: G650-118-21J
Lab Project ID: G650-118
Sample Wt/Vol: 430 ML
Dilution: 1

Analyzed By: EAW
Date Collected: 7/25/2007 12:07
Date Received: 7/26/2007
Date Extracted: 8/1/2007
Date Analyzed: 8/3/2007
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Unknown	12.27			9.9
2	Cyclohexane, 1,2-dichloro-, trans-	7.70	000822-86-6	90	7.01
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: 

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: USTLCH4015-MW10
Client Project ID: NV019
Lab Sample ID: G650-118-22G
Lab Project ID: G650-118

Analyzed By: EAW
Date Collected: 7/25/2007 12:36
Date Received: 7/26/2007
Date Extracted: 7/27/2007
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	10.0	1.22	1	7/31/2007	
Acenaphthylene	BQL	10.0	1.12	1	7/31/2007	
Anthracene	BQL	10.0	1.75	1	7/31/2007	
Benzo[a]anthracene	BQL	10.0	1.36	1	7/31/2007	
Benzo[a]pyrene	BQL	10.0	1.27	1	7/31/2007	
Benzo[b]fluoranthene	BQL	10.0	1.43	1	7/31/2007	
Benzo[g,h,i]perylene	BQL	10.0	4.57	1	7/31/2007	
Benzo[k]fluoranthene	BQL	10.0	1.09	1	7/31/2007	
Bis(2-chloroethoxy)methane	BQL	10.0	1.11	1	7/31/2007	
Bis(2-chloroethyl)ether	BQL	10.0	1.09	1	7/31/2007	
Bis(2-chloroisopropyl)ether	BQL	10.0	1.57	1	7/31/2007	
Bis(2-ethylhexyl)phthalate	BQL	10.0	1.33	1	7/31/2007	
4-bromophenyl phenyl ether	BQL	10.0	1.99	1	7/31/2007	
Butylbenzylphthalate	BQL	10.0	1.53	1	7/31/2007	
2-Chloronaphthalene	BQL	10.0	1.25	1	7/31/2007	
2-Chlorophenol	BQL	10.0	4.22	1	7/31/2007	
4-Chloro-3-methylphenol	BQL	10.0	3.26	1	7/31/2007	
4-Chlorophenyl phenyl ether	BQL	10.0	1.42	1	7/31/2007	
Chrysene	BQL	10.0	1.11	1	7/31/2007	
Dibenzo[a,h]anthracene	BQL	10.0	4.87	1	7/31/2007	
Di-n-Butylphthalate	BQL	10.0	1.65	1	7/31/2007	
3,3'-Dichlorobenzidine	BQL	20.0	4.10	1	7/31/2007	
2,4-Dichlorophenol	BQL	10.0	3.75	1	7/31/2007	
Diethylphthalate	BQL	10.0	1.48	1	7/31/2007	
Dimethylphthalate	BQL	10.0	1.04	1	7/31/2007	
2,4-Dimethylphenol	BQL	10.0	9.25	1	7/31/2007	
Di-n-octylphthalate	BQL	10.0	1.16	1	7/31/2007	
4,6-Dinitro-2-methylphenol	BQL	50.0	3.71	1	7/31/2007	
2,4-Dinitrophenol	BQL	50.0	4.20	1	7/31/2007	
2,4-Dinitrotoluene	BQL	10.0	1.52	1	7/31/2007	
2,6-Dinitrotoluene	BQL	10.0	1.41	1	7/31/2007	
Diphenylamine *	BQL	10.0	1.53	1	7/31/2007	
Fluoranthene	BQL	10.0	1.41	1	7/31/2007	
Fluorene	BQL	10.0	1.22	1	7/31/2007	
Hexachlorobenzene	BQL	10.0	1.22	1	7/31/2007	
Hexachlorobutadiene	BQL	10.0	1.58	1	7/31/2007	
Hexachlorocyclopentadiene	BQL	20.0	20.0	1	7/31/2007	
Hexachloroethane	BQL	10.0	1.58	1	7/31/2007	
Indeno(1,2,3-c,d)pyrene	BQL	10.0	4.57	1	7/31/2007	
Isophorone	BQL	10.0	1.27	1	7/31/2007	
Naphthalene	BQL	10.0	1.08	1	7/31/2007	
Nitrobenzene	BQL	10.0	1.32	1	7/31/2007	
2-Nitrophenol	BQL	10.0	3.52	1	7/31/2007	
4-Nitrophenol	BQL	50.0	3.17	1	7/31/2007	
N-Nitrosodi-n-propylamine	BQL	10.0	1.87	1	7/31/2007	
Pentachlorophenol	BQL	50.0	2.83	1	7/31/2007	
Phenanthrene	BQL	10.0	1.38	1	7/31/2007	

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: USTLCH4015-MW10
Client Project ID: NV019
Lab Sample ID: G650-118-22G
Lab Project ID: G650-118

Analyzed By: EAW
Date Collected: 7/25/2007 12:36
Date Received: 7/26/2007
Date Extracted: 7/27/2007
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	10.0	3.38	1	7/31/2007	
Pyrene	BQL	10.0	2.08	1	7/31/2007	
1,2,4-Trichlorobenzene	BQL	10.0	1.33	1	7/31/2007	
2,4,6-Trichlorophenol	BQL	10.0	2.92	1	7/31/2007	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	6.5	65		
2-Fluorophenol		10	5.8	58		
Nitrobenzene-d5		10	6.3	63		
Phenol-d6		10	6.2	62		
2,4,6-Tribromophenol		10	6.1	61		
4-Terphenyl-d14		10	7.9	79		

Comments:

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

Flags:

BQL = Below Quantitation Limits.

J = Detected below the quantitation limit.

Reviewed By: 

**Results of Library Search for Semivolatile Compounds**
by GCMS

Client Sample ID: USTLCH4015-MW10
Client Project ID: NV019
Lab Sample ID: G650-118-22G
Lab Project ID: G650-118
Sample Wt/Vol: 500 ML
Dilution: 1

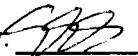
Analyzed By: EAW
Date Collected: 7/25/2007 12:36
Date Received: 7/26/2007
Date Extracted: 7/27/2007
Date Analyzed: 7/31/2007
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Unknown	6.29			14.9
2	Unknown	5.16			13.4
3	Unknown	12.37			9.25
4	Unknown	8.61			6.86
5	Unknown	12.04			4.17
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: 

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: USTLCH4015-MW06
Client Project ID: NV019
Lab Sample ID: G650-118-23H
Lab Project ID: G650-118

Analyzed By: EAW
Date Collected: 7/25/2007 13:06
Date Received: 7/26/2007
Date Extracted: 8/1/2007
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	11.6	1.42	1	8/3/2007	
Acenaphthylene	BQL	11.6	1.30	1	8/3/2007	
Anthracene	BQL	11.6	2.03	1	8/3/2007	
Benzo[a]anthracene	BQL	11.6	1.58	1	8/3/2007	
Benzo[a]pyrene	BQL	11.6	1.48	1	8/3/2007	
Benzo[b]fluoranthene	BQL	11.6	1.66	1	8/3/2007	
Benzo[g,h,i]perylene	BQL	11.6	5.31	1	8/3/2007	
Benzo[k]fluoranthene	BQL	11.6	1.27	1	8/3/2007	
Bis(2-chloroethoxy)methane	BQL	11.6	1.29	1	8/3/2007	
Bis(2-chloroethyl)ether	BQL	11.6	1.27	1	8/3/2007	
Bis(2-chloroisopropyl)ether	BQL	11.6	1.83	1	8/3/2007	
Bis(2-ethylhexyl)phthalate	BQL	11.6	1.55	1	8/3/2007	
4-bromophenyl phenyl ether	BQL	11.6	2.31	1	8/3/2007	
Butylbenzylphthalate	BQL	11.6	1.78	1	8/3/2007	
2-Chloronaphthalene	BQL	11.6	1.45	1	8/3/2007	
2-Chlorophenol	BQL	11.6	4.91	1	8/3/2007	
4-Chloro-3-methylphenol	BQL	11.6	3.79	1	8/3/2007	
4-Chlorophenyl phenyl ether	BQL	11.6	1.65	1	8/3/2007	
Chrysene	BQL	11.6	1.29	1	8/3/2007	
Dibenzo[a,h]anthracene	BQL	11.6	5.66	1	8/3/2007	
Di-n-Butylphthalate	BQL	11.6	1.92	1	8/3/2007	
3,3'-Dichlorobenzidine	BQL	23.3	4.77	1	8/3/2007	
2,4-Dichlorophenol	BQL	11.6	4.36	1	8/3/2007	
Diethylphthalate	BQL	11.6	1.72	1	8/3/2007	
Dimethylphthalate	BQL	11.6	1.21	1	8/3/2007	
2,4-Dimethylphenol	BQL	11.6	10.8	1	8/3/2007	
Di-n-octylphthalate	BQL	11.6	1.35	1	8/3/2007	
4,6-Dinitro-2-methylphenol	BQL	58.1	4.31	1	8/3/2007	
2,4-Dinitrophenol	BQL	58.1	4.88	1	8/3/2007	
2,4-Dinitrotoluene	BQL	11.6	1.77	1	8/3/2007	
2,6-Dinitrotoluene	BQL	11.6	1.64	1	8/3/2007	
Diphenylamine *	BQL	11.6	1.78	1	8/3/2007	
Fluoranthene	BQL	11.6	1.64	1	8/3/2007	
Fluorene	BQL	11.6	1.42	1	8/3/2007	
Hexachlorobenzene	BQL	11.6	1.42	1	8/3/2007	
Hexachlorobutadiene	BQL	11.6	1.84	1	8/3/2007	
Hexachlorocyclopentadiene	BQL	23.3	23.3	1	8/3/2007	
Hexachloroethane	BQL	11.6	1.84	1	8/3/2007	
Indeno(1,2,3-c,d)pyrene	BQL	11.6	5.31	1	8/3/2007	
Isophorone	BQL	11.6	1.48	1	8/3/2007	
Naphthalene	BQL	11.6	1.26	1	8/3/2007	
Nitrobenzene	BQL	11.6	1.53	1	8/3/2007	
2-Nitrophenol	BQL	11.6	4.09	1	8/3/2007	
4-Nitrophenol	BQL	58.1	3.69	1	8/3/2007	
N-Nitrosodi-n-propylamine	BQL	11.6	2.17	1	8/3/2007	
Pentachlorophenol	BQL	58.1	3.29	1	8/3/2007	
Phenanthrene	BQL	11.6	1.60	1	8/3/2007	

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: USTLCH4015-MW06
Client Project ID: NV019
Lab Sample ID: G650-118-23H
Lab Project ID: G650-118

Analyzed By: EAW
Date Collected: 7/25/2007 13:06
Date Received: 7/26/2007
Date Extracted: 8/1/2007
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	11.6	3.93	1	8/3/2007	
Pyrene	BQL	11.6	2.42	1	8/3/2007	
1,2,4-Trichlorobenzene	BQL	11.6	1.55	1	8/3/2007	
2,4,6-Trichlorophenol	BQL	11.6	3.40	1	8/3/2007	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	6.9	69		
2-Fluorophenol		10	6.9	69		
Nitrobenzene-d5		10	7.4	74		
Phenol-d6		10	7.1	71		
2,4,6-Tribromophenol		10	7.7	78		
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: 

**Results of Library Search for Semivolatile Compounds**
by GCMS

Client Sample ID: USTLCH4015-MW06
Client Project ID: NV019
Lab Sample ID: G650-118-23H
Lab Project ID: G650-118
Sample Wt/Vol: 430 ML
Dilution: 1

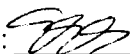
Analyzed By: EAW
Date Collected: 7/25/2007 13:06
Date Received: 7/26/2007
Date Extracted: 8/1/2007
Date Analyzed: 8/3/2007
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Unknown	12.27			9.42
2	Unknown	5.06			4.42
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: 

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: USTLCH4015-MW11
Client Project ID: NV019
Lab Sample ID: G650-118-24H
Lab Project ID: G650-118

Analyzed By: EAW
Date Collected: 7/25/2007 13:36
Date Received: 7/26/2007
Date Extracted: 8/1/2007
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	11.6	1.42	1	8/3/2007	
Acenaphthylene	BQL	11.6	1.30	1	8/3/2007	
Anthracene	BQL	11.6	2.03	1	8/3/2007	
Benzo[a]anthracene	BQL	11.6	1.58	1	8/3/2007	
Benzo[a]pyrene	BQL	11.6	1.48	1	8/3/2007	
Benzo[b]fluoranthene	BQL	11.6	1.66	1	8/3/2007	
Benzo[g,h,i]perylene	BQL	11.6	5.31	1	8/3/2007	
Benzo[k]fluoranthene	BQL	11.6	1.27	1	8/3/2007	
Bis(2-chloroethoxy)methane	BQL	11.6	1.29	1	8/3/2007	
Bis(2-chloroethyl)ether	BQL	11.6	1.27	1	8/3/2007	
Bis(2-chloroisopropyl)ether	BQL	11.6	1.83	1	8/3/2007	
Bis(2-ethylhexyl)phthalate	BQL	11.6	1.55	1	8/3/2007	
4-bromophenyl phenyl ether	BQL	11.6	2.31	1	8/3/2007	
Butylbenzylphthalate	BQL	11.6	1.78	1	8/3/2007	
2-Chloronaphthalene	BQL	11.6	1.45	1	8/3/2007	
2-Chlorophenol	BQL	11.6	4.91	1	8/3/2007	
4-Chloro-3-methylphenol	BQL	11.6	3.79	1	8/3/2007	
4-Chlorophenyl phenyl ether	BQL	11.6	1.65	1	8/3/2007	
Chrysene	BQL	11.6	1.29	1	8/3/2007	
Dibenzo[a,h]anthracene	BQL	11.6	5.66	1	8/3/2007	
Di-n-Butylphthalate	BQL	11.6	1.92	1	8/3/2007	
3,3'-Dichlorobenzidine	BQL	23.3	4.77	1	8/3/2007	
2,4-Dichlorophenol	BQL	11.6	4.36	1	8/3/2007	
Diethylphthalate	BQL	11.6	1.72	1	8/3/2007	
Dimethylphthalate	BQL	11.6	1.21	1	8/3/2007	
2,4-Dimethylphenol	BQL	11.6	10.8	1	8/3/2007	
Di-n-octylphthalate	BQL	11.6	1.35	1	8/3/2007	
4,6-Dinitro-2-methylphenol	BQL	58.1	4.31	1	8/3/2007	
2,4-Dinitrophenol	BQL	58.1	4.88	1	8/3/2007	
2,4-Dinitrotoluene	BQL	11.6	1.77	1	8/3/2007	
2,6-Dinitrotoluene	BQL	11.6	1.64	1	8/3/2007	
Diphenylamine *	BQL	11.6	1.78	1	8/3/2007	
Fluoranthene	BQL	11.6	1.64	1	8/3/2007	
Fluorene	BQL	11.6	1.42	1	8/3/2007	
Hexachlorobenzene	BQL	11.6	1.42	1	8/3/2007	
Hexachlorobutadiene	BQL	11.6	1.84	1	8/3/2007	
Hexachlorocyclopentadiene	BQL	23.3	23.3	1	8/3/2007	
Hexachloroethane	BQL	11.6	1.84	1	8/3/2007	
Indeno(1,2,3-c,d)pyrene	BQL	11.6	5.31	1	8/3/2007	
Isophorone	BQL	11.6	1.48	1	8/3/2007	
Naphthalene	BQL	11.6	1.26	1	8/3/2007	
Nitrobenzene	BQL	11.6	1.53	1	8/3/2007	
2-Nitrophenol	BQL	11.6	4.09	1	8/3/2007	
4-Nitrophenol	BQL	58.1	3.69	1	8/3/2007	
N-Nitrosodi-n-propylamine	BQL	11.6	2.17	1	8/3/2007	
Pentachlorophenol	BQL	58.1	3.29	1	8/3/2007	
Phenanthrene	BQL	11.6	1.60	1	8/3/2007	

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: USTLCH4015-MW11
Client Project ID: NV019
Lab Sample ID: G650-118-24H
Lab Project ID: G650-118

Analyzed By: EAW
Date Collected: 7/25/2007 13:36
Date Received: 7/26/2007
Date Extracted: 8/1/2007
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	11.6	3.93	1	8/3/2007	
Pyrene	BQL	11.6	2.42	1	8/3/2007	
1,2,4-Trichlorobenzene	BQL	11.6	1.55	1	8/3/2007	
2,4,6-Trichlorophenol	BQL	11.6	3.40	1	8/3/2007	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	6.8	68		
2-Fluorophenol		10	6.6	66		
Nitrobenzene-d5		10	7.1	71		
Phenol-d6		10	7	70		
2,4,6-Tribromophenol		10	8.4	84		
4-Terphenyl-d14		10	8.5	85		

Comments:

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

Flags:

BQL = Below Quantitation Limits.

J = Detected below the quantitation limit.

Reviewed By: 

**Results of Library Search for Semivolatile Compounds**
by GCMS

Client Sample ID: USTLCH4015-MW11
Client Project ID: NV019
Lab Sample ID: G650-118-24H
Lab Project ID: G650-118
Sample Wt/Vol: 430 ML
Dilution: 1

Analyzed By: EAW
Date Collected: 7/25/2007 13:36
Date Received: 7/26/2007
Date Extracted: 8/1/2007
Date Analyzed: 8/3/2007
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Unknown	12.39			15.2
2	Unknown	12.28			13.9
3	Aromatic, Unknown	11.30			13.8
4	Unknown	11.79			13
5	Unknown	10.29			12.4
6	Unknown	8.53			8.13
7	Unknown	12.92			7.88
8	Unknown	10.15			7.88
9	Alkane, Unknown	7.70			7.8
10	Unknown	11.56			7.12

Comment:

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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: 

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: USTLCH4015-DUPLICATE
Client Project ID: NV019
Lab Sample ID: G650-118-25H
Lab Project ID: G650-118

Analyzed By: EAW
Date Collected: 7/24/2007 0:00
Date Received: 7/26/2007
Date Extracted: 7/27/2007
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	10.0	1.22	1	8/1/2007	
Acenaphthylene	BQL	10.0	1.12	1	8/1/2007	
Anthracene	BQL	10.0	1.75	1	8/1/2007	
Benzo[a]anthracene	BQL	10.0	1.36	1	8/1/2007	
Benzo[a]pyrene	BQL	10.0	1.27	1	8/1/2007	
Benzo[b]fluoranthene	BQL	10.0	1.43	1	8/1/2007	
Benzo[g,h,i]perylene	BQL	10.0	4.57	1	8/1/2007	
Benzo[k]fluoranthene	BQL	10.0	1.09	1	8/1/2007	
Bis(2-chloroethoxy)methane	BQL	10.0	1.11	1	8/1/2007	
Bis(2-chloroethyl)ether	BQL	10.0	1.09	1	8/1/2007	
Bis(2-chloroisopropyl)ether	BQL	10.0	1.57	1	8/1/2007	
Bis(2-ethylhexyl)phthalate	BQL	10.0	1.33	1	8/1/2007	
4-bromophenyl phenyl ether	BQL	10.0	1.99	1	8/1/2007	
Butylbenzylphthalate	BQL	10.0	1.53	1	8/1/2007	
2-Chloronaphthalene	BQL	10.0	1.25	1	8/1/2007	
2-Chlorophenol	BQL	10.0	4.22	1	8/1/2007	
4-Chloro-3-methylphenol	BQL	10.0	3.26	1	8/1/2007	
4-Chlorophenyl phenyl ether	BQL	10.0	1.42	1	8/1/2007	
Chrysene	BQL	10.0	1.11	1	8/1/2007	
Dibenzo[a,h]anthracene	BQL	10.0	4.87	1	8/1/2007	
Di-n-Butylphthalate	BQL	10.0	1.65	1	8/1/2007	
3,3'-Dichlorobenzidine	BQL	20.0	4.10	1	8/1/2007	
2,4-Dichlorophenol	BQL	10.0	3.75	1	8/1/2007	
Diethylphthalate	BQL	10.0	1.48	1	8/1/2007	
Dimethylphthalate	BQL	10.0	1.04	1	8/1/2007	
2,4-Dimethylphenol	BQL	10.0	9.25	1	8/1/2007	
Di-n-octylphthalate	BQL	10.0	1.16	1	8/1/2007	
4,6-Dinitro-2-methylphenol	BQL	50.0	3.71	1	8/1/2007	
2,4-Dinitrophenol	BQL	50.0	4.20	1	8/1/2007	
2,4-Dinitrotoluene	BQL	10.0	1.52	1	8/1/2007	
2,6-Dinitrotoluene	BQL	10.0	1.41	1	8/1/2007	
Diphenylamine *	BQL	10.0	1.53	1	8/1/2007	
Fluoranthene	BQL	10.0	1.41	1	8/1/2007	
Fluorene	BQL	10.0	1.22	1	8/1/2007	
Hexachlorobenzene	BQL	10.0	1.22	1	8/1/2007	
Hexachlorobutadiene	BQL	10.0	1.58	1	8/1/2007	
Hexachlorocyclopentadiene	BQL	20.0	20.0	1	8/1/2007	
Hexachloroethane	BQL	10.0	1.58	1	8/1/2007	
Indeno(1,2,3-c,d)pyrene	BQL	10.0	4.57	1	8/1/2007	
Isophorone	BQL	10.0	1.27	1	8/1/2007	
Naphthalene	1.20	10.0	1.08	1	8/1/2007	J
Nitrobenzene	BQL	10.0	1.32	1	8/1/2007	
2-Nitrophenol	BQL	10.0	3.52	1	8/1/2007	
4-Nitrophenol	BQL	50.0	3.17	1	8/1/2007	
N-Nitrosodi-n-propylamine	BQL	10.0	1.87	1	8/1/2007	
Pentachlorophenol	BQL	50.0	2.83	1	8/1/2007	
Phenanthrene	BQL	10.0	1.38	1	8/1/2007	

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: USTLCH4015-DUPLICATE
Client Project ID: NV019
Lab Sample ID: G650-118-25H
Lab Project ID: G650-118

Analyzed By: EAW
Date Collected: 7/24/2007 0:00
Date Received: 7/26/2007
Date Extracted: 7/27/2007
Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	10.0	3.38	1	8/1/2007	
Pyrene	BQL	10.0	2.08	1	8/1/2007	
1,2,4-Trichlorobenzene	BQL	10.0	1.33	1	8/1/2007	
2,4,6-Trichlorophenol	BQL	10.0	2.92	1	8/1/2007	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	3	30 #		
2-Fluorophenol		10	2.7	27 #		
Nitrobenzene-d5		10	3	30 #		
Phenol-d6		10	2.9	29 #		
2,4,6-Tribromophenol		10	3.1	31		
4-Terphenyl-d14		10	2.9	29		

Comments:

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

Flags:

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

Reviewed By: 

**Results of Library Search for Semivolatile Compounds**
by GCMS

Client Sample ID: USTLCH4015-DUPLICATE
Client Project ID: NV019
Lab Sample ID: G650-118-25H
Lab Project ID: G650-118
Sample Wt/Vol: 500 ML
Dilution: 1

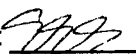
Analyzed By: EAW
Date Collected: 7/24/2007 0:00
Date Received: 7/26/2007
Date Extracted: 7/27/2007
Date Analyzed: 8/1/2007
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Unknown	12.38			12.6
2	Unknown	6.29			8.9
3	Unknown	7.52			8.36
4	1,2,4-Trimethylbenzene	6.88	000095-36-3	93	8.05
5	Alcohol, Unknown	5.69			7.54
6					
7					
8					
9					
10					

Comment:

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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: 

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: USTLCH4015-DUPLICATE

Client Project ID: NV019

Lab Sample ID: G650-118-251

Lab Project ID: G650-118

Analyzed By: EAW

Date Collected: 7/24/2007 0:00

Date Received: 7/26/2007

Date Extracted: 8/1/2007

Matrix: Water

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	11.6	1.42	1	8/3/2007	
Acenaphthylene	BQL	11.6	1.30	1	8/3/2007	
Anthracene	BQL	11.6	2.03	1	8/3/2007	
Benzo[a]anthracene	BQL	11.6	1.58	1	8/3/2007	
Benzo[a]pyrene	BQL	11.6	1.48	1	8/3/2007	
Benzo[b]fluoranthene	BQL	11.6	1.66	1	8/3/2007	
Benzo[g,h,i]perylene	BQL	11.6	5.31	1	8/3/2007	
Benzo[k]fluoranthene	BQL	11.6	1.27	1	8/3/2007	
Bis(2-chloroethoxy)methane	BQL	11.6	1.29	1	8/3/2007	
Bis(2-chloroethyl)ether	BQL	11.6	1.27	1	8/3/2007	
Bis(2-chloroisopropyl)ether	BQL	11.6	1.83	1	8/3/2007	
Bis(2-ethylhexyl)phthalate	BQL	11.6	1.55	1	8/3/2007	
4-bromophenyl phenyl ether	BQL	11.6	2.31	1	8/3/2007	
Butylbenzylphthalate	BQL	11.6	1.78	1	8/3/2007	
2-Chloronaphthalene	BQL	11.6	1.45	1	8/3/2007	
2-Chlorophenol	BQL	11.6	4.91	1	8/3/2007	
4-Chloro-3-methylphenol	BQL	11.6	3.79	1	8/3/2007	
4-Chlorophenyl phenyl ether	BQL	11.6	1.65	1	8/3/2007	
Chrysene	BQL	11.6	1.29	1	8/3/2007	
Dibenzo[a,h]anthracene	BQL	11.6	5.66	1	8/3/2007	
Di-n-Butylphthalate	BQL	11.6	1.92	1	8/3/2007	
3,3'-Dichlorobenzidine	BQL	23.3	4.77	1	8/3/2007	
2,4-Dichlorophenol	BQL	11.6	4.36	1	8/3/2007	
Diethylphthalate	BQL	11.6	1.72	1	8/3/2007	
Dimethylphthalate	BQL	11.6	1.21	1	8/3/2007	
2,4-Dimethylphenol	BQL	11.6	10.8	1	8/3/2007	
Di-n-octylphthalate	BQL	11.6	1.35	1	8/3/2007	
4,6-Dinitro-2-methylphenol	BQL	58.1	4.31	1	8/3/2007	
2,4-Dinitrophenol	BQL	58.1	4.88	1	8/3/2007	
2,4-Dinitrotoluene	BQL	11.6	1.77	1	8/3/2007	
2,6-Dinitrotoluene	BQL	11.6	1.64	1	8/3/2007	
Diphenylamine *	BQL	11.6	1.78	1	8/3/2007	
Fluoranthene	BQL	11.6	1.64	1	8/3/2007	
Fluorene	BQL	11.6	1.42	1	8/3/2007	
Hexachlorobenzene	BQL	11.6	1.42	1	8/3/2007	
Hexachlorobutadiene	BQL	11.6	1.84	1	8/3/2007	
Hexachlorocyclopentadiene	BQL	23.3	23.3	1	8/3/2007	
Hexachloroethane	BQL	11.6	1.84	1	8/3/2007	
Indeno(1,2,3-c,d)pyrene	BQL	11.6	5.31	1	8/3/2007	
Isophorone	BQL	11.6	1.48	1	8/3/2007	
Naphthalene	BQL	11.6	1.26	1	8/3/2007	
Nitrobenzene	BQL	11.6	1.53	1	8/3/2007	
2-Nitrophenol	BQL	11.6	4.09	1	8/3/2007	
4-Nitrophenol	BQL	58.1	3.69	1	8/3/2007	
N-Nitrosodi-n-propylamine	BQL	11.6	2.17	1	8/3/2007	
Pentachlorophenol	BQL	58.1	3.29	1	8/3/2007	
Phenanthrene	BQL	11.6	1.60	1	8/3/2007	

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: USTLCH4015-DUPLICATE
Client Project ID: NV019
Lab Sample ID: G650-118-25I
Lab Project ID: G650-118

Analyzed By: EAW
Date Collected: 7/24/2007 0:00
Date Received: 7/26/2007
Date Extracted: 8/1/2007
Matrix: Water

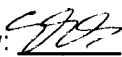
Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	11.6	3.93	1	8/3/2007	
Pyrene	BQL	11.6	2.42	1	8/3/2007	
1,2,4-Trichlorobenzene	BQL	11.6	1.55	1	8/3/2007	
2,4,6-Trichlorophenol	BQL	11.6	3.40	1	8/3/2007	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	6.2	62		
2-Fluorophenol		10	6.1	61		
Nitrobenzene-d5		10	6.5	65		
Phenol-d6		10	6.3	63		
2,4,6-Tribromophenol		10	7.7	77		
4-Terphenyl-d14		10	8.8	88		

Comments:

* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.
Sample was re-extracted out of hold.

Flags:

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

Reviewed By: 

**Results of Library Search for Semivolatile Compounds**
by GCMS

Client Sample ID: USTLCH4015-DUPLICATE
Client Project ID: NV019
Lab Sample ID: G650-118-25I
Lab Project ID: G650-118
Sample Wt/Vol: 430 ML
Dilution: 1

Analyzed By: EAW
Date Collected: 7/24/2007 0:00
Date Received: 7/26/2007
Date Extracted: 8/1/2007
Date Analyzed: 8/3/2007
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Unknown	12.27			12.2
2	Unknown	7.41			11.8
3	Cyclohexanol, 1-methyl-	5.59	000590-67-0	91	7.83
4	Cyclohexane, 1,2-dichloro-, trans-	7.70	000822-86-6	90	7.68
5	Unknown	6.80			5.47
6	Alcohol, Unknown	5.14			4.92
7	Unknown	6.18			4.13
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: 

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: PB8744
Lab Project ID:

Analyzed By: EAW
Date Collected:
Date Received:
Date Extracted: 7/27/2007
Matrix: WATER

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	10.0	1.22	1	7/31/2007	
Acenaphthylene	BQL	10.0	1.12	1	7/31/2007	
Anthracene	BQL	10.0	1.75	1	7/31/2007	
Benzo[a]anthracene	BQL	10.0	1.36	1	7/31/2007	
Benzo[a]pyrene	BQL	10.0	1.27	1	7/31/2007	
Benzo[b]fluoranthene	BQL	10.0	1.43	1	7/31/2007	
Benzo[g,h,i]perylene	BQL	10.0	4.57	1	7/31/2007	
Benzo[k]fluoranthene	BQL	10.0	1.09	1	7/31/2007	
Bis(2-chloroethoxy)methane	BQL	10.0	1.11	1	7/31/2007	
Bis(2-chloroethyl)ether	BQL	10.0	1.09	1	7/31/2007	
Bis(2-chloroisopropyl)ether	BQL	10.0	1.57	1	7/31/2007	
Bis(2-ethylhexyl)phthalate	BQL	10.0	1.33	1	7/31/2007	
4-bromophenyl phenyl ether	BQL	10.0	1.99	1	7/31/2007	
Butylbenzylphthalate	BQL	10.0	1.53	1	7/31/2007	
2-Chloronaphthalene	BQL	10.0	1.25	1	7/31/2007	
2-Chlorophenol	BQL	10.0	4.22	1	7/31/2007	
4-Chloro-3-methylphenol	BQL	10.0	3.26	1	7/31/2007	
4-Chlorophenyl phenyl ether	BQL	10.0	1.42	1	7/31/2007	
Chrysene	BQL	10.0	1.11	1	7/31/2007	
Dibenzo[a,h]anthracene	BQL	10.0	4.87	1	7/31/2007	
Di-n-Butylphthalate	BQL	10.0	1.65	1	7/31/2007	
3,3'-Dichlorobenzidine	BQL	20.0	4.10	1	7/31/2007	
2,4-Dichlorophenol	BQL	10.0	3.75	1	7/31/2007	
Diethylphthalate	BQL	10.0	1.48	1	7/31/2007	
Dimethylphthalate	BQL	10.0	1.04	1	7/31/2007	
2,4-Dimethylphenol	BQL	10.0	9.25	1	7/31/2007	
Di-n-octylphthalate	BQL	10.0	1.16	1	7/31/2007	
4,6-Dinitro-2-methylphenol	BQL	50.0	3.71	1	7/31/2007	
2,4-Dinitrophenol	BQL	50.0	4.20	1	7/31/2007	
2,4-Dinitrotoluene	BQL	10.0	1.52	1	7/31/2007	
2,6-Dinitrotoluene	BQL	10.0	1.41	1	7/31/2007	
Diphenylamine *	BQL	10.0	1.53	1	7/31/2007	
Fluoranthene	BQL	10.0	1.41	1	7/31/2007	
Fluorene	BQL	10.0	1.22	1	7/31/2007	
Hexachlorobenzene	BQL	10.0	1.22	1	7/31/2007	
Hexachlorobutadiene	BQL	10.0	1.58	1	7/31/2007	
Hexachlorocyclopentadiene	BQL	20.0	20.0	1	7/31/2007	
Hexachloroethane	BQL	10.0	1.58	1	7/31/2007	
Indeno(1,2,3-c,d)pyrene	BQL	10.0	4.57	1	7/31/2007	
Isophorone	BQL	10.0	1.27	1	7/31/2007	
Naphthalene	BQL	10.0	1.08	1	7/31/2007	
Nitrobenzene	BQL	10.0	1.32	1	7/31/2007	
2-Nitrophenol	BQL	10.0	3.52	1	7/31/2007	
4-Nitrophenol	BQL	50.0	3.17	1	7/31/2007	
N-Nitrosodi-n-propylamine	BQL	10.0	1.87	1	7/31/2007	
Pentachlorophenol	BQL	50.0	2.83	1	7/31/2007	
Phenanthrene	BQL	10.0	1.38	1	7/31/2007	

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: PB8744
Lab Project ID:

Analyzed By: EAW
Date Collected:
Date Received:
Date Extracted: 7/27/2007
Matrix: WATER

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	10.0	3.38	1	7/31/2007	
Pyrene	BQL	10.0	2.08	1	7/31/2007	
1,2,4-Trichlorobenzene	BQL	10.0	1.33	1	7/31/2007	
2,4,6-Trichlorophenol	BQL	10.0	2.92	1	7/31/2007	

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.3	73
2-Fluorophenol	10	6.6	66
Nitrobenzene-d5	10	7.1	71
Phenol-d6	10	7.1	71
2,4,6-Tribromophenol	10	6.6	66
4-Terphenyl-d14	10	8.1	81

Comments:

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

Flags:

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

Reviewed By: 



Results For Matrix Spike / Matrix Spike Duplicate and Laboratory Control Standard (MS/MSD/LCS)
by GCMS

Client Sample ID: Batch QC

Date Collected:

Client Project ID:

Date Received:

Lab Sample ID: Batch-8744-MS/MSD/LCS

Date Extracted: 07/27/07

Lab Project ID: G650-118-9G

Date Analyzed: 07/31/07

Matrix: WATER

Analyzed By: EAW

Prep Method: 3520

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	% Rec.
Acenaphthylene	BQL	238	260	109	238	255	107.0	2.31	30	62.0-119
4-Chloro-3-methylphenol	BQL	238	212	88.9	238	205	86.2	3.08	30	67.0-109
2-Chlorophenol	BQL	238	194	81.4	238	176	74.0	9.52	30	59.0-95.0
1,4-Dichlorobenzene	BQL	238	204	85.8	238	181	76.1	12.0	30	29.0-86.0
2,4-Dinitrotoluene	BQL	238	245	103	238	243	102.0	0.683	30	63.0-103
N-Nitrosodi-n-propylamine	13.7	238	249	105	238	230	96.5	8.15	30	67.0-107
4-Nitrophenol	15.3	238	170	71.6	238	168	70.4	1.69	30	49.0-146
Pentachlorophenol	BQL	238	192	80.6	238	192	80.7	0.124	30	43.0-106
Phenol	BQL	238	199	83.7	238	184	77.2	8.08	30	61.0-100
Pyrene	BQL	238	249	104	238	241	101.0	3.11	30	41.0-123
1,2,4-Trichlorobenzene	BQL	238	232	97.6*	238	214	89.7	8.44	30	41.0-96.0

	Spiked Amount (µg/L)	LCS Conc. (µg/L)	LCS Spike %	QC Limits
				% Rec.
Acenaphthylene	100	110	110	52.1-145
4-Chloro-3-methylphenol	100	87.5	87.5	51.1-135
2-Chlorophenol	100	80.4	80.4	43.7-128
1,4-Dichlorobenzene	100	90.3	90.3	30.0-110
2,4-Dinitrotoluene	100	104	104	56.3-144
N-Nitrosodi-n-propylamine	100	110	110	55.9-143
4-Nitrophenol	100	79.4	79.4	47.8-148
Pentachlorophenol	100	79.9	79.9	43.9-118
Phenol	100	82.6	82.6	48.0-124
Pyrene	100	104	104	29.9-185
1,2,4-Trichlorobenzene	100	98.7	98.7	43.9-122

Comments:

Concentrations reflect the spiked sample amounts.

Flags:

* = Out of limits.

NA = Not applicable.

Reviewed By:

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: PB8745
Lab Project ID:

Analyzed By: EAW
Date Collected:
Date Received:
Date Extracted: 7/27/2007
Matrix: WATER

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	10.0	1.22	1	7/30/2007	
Acenaphthylene	BQL	10.0	1.12	1	7/30/2007	
Anthracene	BQL	10.0	1.75	1	7/30/2007	
Benzo[a]anthracene	BQL	10.0	1.36	1	7/30/2007	
Benzo[a]pyrene	BQL	10.0	1.27	1	7/30/2007	
Benzo[b]fluoranthene	BQL	10.0	1.43	1	7/30/2007	
Benzo[g,h,i]perylene	BQL	10.0	4.57	1	7/30/2007	
Benzo[k]fluoranthene	BQL	10.0	1.09	1	7/30/2007	
Bis(2-chloroethoxy)methane	BQL	10.0	1.11	1	7/30/2007	
Bis(2-chloroethyl)ether	BQL	10.0	1.09	1	7/30/2007	
Bis(2-chloroisopropyl)ether	BQL	10.0	1.57	1	7/30/2007	
Bis(2-ethylhexyl)phthalate	BQL	10.0	1.33	1	7/30/2007	
4-bromophenyl phenyl ether	BQL	10.0	1.99	1	7/30/2007	
Butylbenzylphthalate	BQL	10.0	1.53	1	7/30/2007	
2-Chloronaphthalene	BQL	10.0	1.25	1	7/30/2007	
2-Chlorophenol	BQL	10.0	4.22	1	7/30/2007	
4-Chloro-3-methylphenol	BQL	10.0	3.26	1	7/30/2007	
4-Chlorophenyl phenyl ether	BQL	10.0	1.42	1	7/30/2007	
Chrysene	BQL	10.0	1.11	1	7/30/2007	
Dibenzo[a,h]anthracene	BQL	10.0	4.87	1	7/30/2007	
Di-n-Butylphthalate	BQL	10.0	1.65	1	7/30/2007	
3,3'-Dichlorobenzidine	BQL	20.0	4.10	1	7/30/2007	
2,4-Dichlorophenol	BQL	10.0	3.75	1	7/30/2007	
Diethylphthalate	BQL	10.0	1.48	1	7/30/2007	
Dimethylphthalate	BQL	10.0	1.04	1	7/30/2007	
2,4-Dimethylphenol	BQL	10.0	9.25	1	7/30/2007	
Di-n-octylphthalate	BQL	10.0	1.16	1	7/30/2007	
4,6-Dinitro-2-methylphenol	BQL	50.0	3.71	1	7/30/2007	
2,4-Dinitrophenol	BQL	50.0	4.20	1	7/30/2007	
2,4-Dinitrotoluene	BQL	10.0	1.52	1	7/30/2007	
2,6-Dinitrotoluene	BQL	10.0	1.41	1	7/30/2007	
Diphenylamine *	BQL	10.0	1.53	1	7/30/2007	
Fluoranthene	BQL	10.0	1.41	1	7/30/2007	
Fluorene	BQL	10.0	1.22	1	7/30/2007	
Hexachlorobenzene	BQL	10.0	1.22	1	7/30/2007	
Hexachlorobutadiene	BQL	10.0	1.58	1	7/30/2007	
Hexachlorocyclopentadiene	BQL	20.0	20.0	1	7/30/2007	
Hexachloroethane	BQL	10.0	1.58	1	7/30/2007	
Indeno(1,2,3-c,d)pyrene	BQL	10.0	4.57	1	7/30/2007	
Isophorone	BQL	10.0	1.27	1	7/30/2007	
Naphthalene	BQL	10.0	1.08	1	7/30/2007	
Nitrobenzene	BQL	10.0	1.32	1	7/30/2007	
2-Nitrophenol	BQL	10.0	3.52	1	7/30/2007	
4-Nitrophenol	BQL	50.0	3.17	1	7/30/2007	
N-Nitrosodi-n-propylamine	BQL	10.0	1.87	1	7/30/2007	
Pentachlorophenol	BQL	50.0	2.83	1	7/30/2007	
Phenanthrene	BQL	10.0	1.38	1	7/30/2007	

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: PB8745
Lab Project ID:

Analyzed By: EAW
Date Collected:
Date Received:
Date Extracted: 7/27/2007
Matrix: WATER

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	10.0	3.38	1	7/30/2007	
Pyrene	BQL	10.0	2.08	1	7/30/2007	
1,2,4-Trichlorobenzene	BQL	10.0	1.33	1	7/30/2007	
2,4,6-Trichlorophenol	BQL	10.0	2.92	1	7/30/2007	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	6.2	62		
2-Fluorophenol		10	5.6	56		
Nitrobenzene-d5		10	6.2	62		
Phenol-d6		10	5.9	59		
2,4,6-Tribromophenol		10	5.8	58		
4-Terphenyl-d14		10	7.4	74		

Comments:

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

Flags:

BQL = Below Quantitation Limits.

J = Detected below the quantitation limit.

Reviewed By: 



Results For Matrix Spike / Matrix Spike Duplicate and Laboratory Control Standard (MS/MSD/LCS)
by GCMS

Client Sample ID: Batch QC

Date Collected:

Client Project ID:

Date Received:

Lab Sample ID: Batch-8745-MS/MSD/LCS

Date Extracted: 07/27/07

Lab Project ID: G650-118-22G

Date Analyzed: 07/31/07

Matrix: WATER

Analyzed By: EAW

Prep Method: 3520

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	% Rec.
Acenaphthylene	BQL	250	281	112	250	271	108.0	3.63	30	62.0-119
4-Chloro-3-methylphenol	BQL	250	229	91.6	250	222	89.0	2.88	30	67.0-109
2-Chlorophenol	BQL	250	189	75.6	250	185	73.9	2.27	30	59.0-95.0
1,4-Dichlorobenzene	BQL	250	194	77.8	250	202	80.6	3.54	30	29.0-86.0
2,4-Dinitrotoluene	BQL	250	265	106*	250	260	104*	2.10	30	63.0-103
N-Nitrosodi-n-propylamine	BQL	250	268	107*	250	259	104.0	3.32	30	67.0-107
4-Nitrophenol	BQL	250	193	77.3	250	193	77.4	0.129	30	49.0-146
Pentachlorophenol	BQL	250	203	81.1	250	209	83.6	3.04	30	43.0-106
Phenol	BQL	250	196	78.4	250	194	77.5	1.15	30	61.0-100
Pyrene	BQL	250	263	105	250	252	101.0	3.98	30	41.0-123
1,2,4-Trichlorobenzene	BQL	250	235	94.0	250	231	92.5	1.61	30	41.0-96.0

	Spiked Amount (µg/L)	LCS Conc. (µg/L)	LCS Spike %	QC Limits
				% Rec.
Acenaphthylene	100	110	110	52.1-145
4-Chloro-3-methylphenol	100	89.6	89.6	51.1-135
2-Chlorophenol	100	78.4	78.4	43.7-128
1,4-Dichlorobenzene	100	93.3	93.3	30.0-110
2,4-Dinitrotoluene	100	104	104	56.3-144
N-Nitrosodi-n-propylamine	100	108	108	55.9-143
4-Nitrophenol	100	73.4	73.4	47.8-148
Pentachlorophenol	100	78.2	78.2	43.9-118
Phenol	100	79.2	79.2	48.0-124
Pyrene	100	103	103	29.9-185
1,2,4-Trichlorobenzene	100	99.3	99.3	43.9-122

Comments:

Concentrations reflect the spiked sample amounts.

Flags:

* = Out of limits.

NA = Not applicable.

Reviewed By:

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: PB8768
Lab Project ID:

Analyzed By: EAW
Date Collected:
Date Received:
Date Extracted: 8/1/2007
Matrix: WATER

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	10.0	1.22	1	8/6/2007	
Acenaphthylene	BQL	10.0	1.12	1	8/6/2007	
Anthracene	BQL	10.0	1.75	1	8/6/2007	
Benzo[a]anthracene	BQL	10.0	1.36	1	8/6/2007	
Benzo[a]pyrene	BQL	10.0	1.27	1	8/6/2007	
Benzo[b]fluoranthene	BQL	10.0	1.43	1	8/6/2007	
Benzo[g,h,i]perylene	BQL	10.0	4.57	1	8/6/2007	
Benzo[k]fluoranthene	BQL	10.0	1.09	1	8/6/2007	
Bis(2-chloroethoxy)methane	BQL	10.0	1.11	1	8/6/2007	
Bis(2-chloroethyl)ether	BQL	10.0	1.09	1	8/6/2007	
Bis(2-chloroisopropyl)ether	BQL	10.0	1.57	1	8/6/2007	
Bis(2-ethylhexyl)phthalate	BQL	10.0	1.33	1	8/6/2007	
4-bromophenyl phenyl ether	BQL	10.0	1.99	1	8/6/2007	
Butylbenzylphthalate	BQL	10.0	1.53	1	8/6/2007	
2-Chloronaphthalene	BQL	10.0	1.25	1	8/6/2007	
2-Chlorophenol	BQL	10.0	4.22	1	8/6/2007	
4-Chloro-3-methylphenol	BQL	10.0	3.26	1	8/6/2007	
4-Chlorophenyl phenyl ether	BQL	10.0	1.42	1	8/6/2007	
Chrysene	BQL	10.0	1.11	1	8/6/2007	
Dibenzo[a,h]anthracene	BQL	10.0	4.87	1	8/6/2007	
Di-n-Butylphthalate	BQL	10.0	1.65	1	8/6/2007	
3,3'-Dichlorobenzidine	BQL	20.0	4.10	1	8/6/2007	
2,4-Dichlorophenol	BQL	10.0	3.75	1	8/6/2007	
Diethylphthalate	BQL	10.0	1.48	1	8/6/2007	
Dimethylphthalate	BQL	10.0	1.04	1	8/6/2007	
2,4-Dimethylphenol	BQL	10.0	9.25	1	8/6/2007	
Di-n-octylphthalate	BQL	10.0	1.16	1	8/6/2007	
4,6-Dinitro-2-methylphenol	BQL	50.0	3.71	1	8/6/2007	
2,4-Dinitrophenol	BQL	50.0	4.20	1	8/6/2007	
2,4-Dinitrotoluene	BQL	10.0	1.52	1	8/6/2007	
2,6-Dinitrotoluene	BQL	10.0	1.41	1	8/6/2007	
Diphenylamine *	BQL	10.0	1.53	1	8/6/2007	
Fluoranthene	BQL	10.0	1.41	1	8/6/2007	
Fluorene	BQL	10.0	1.22	1	8/6/2007	
Hexachlorobenzene	BQL	10.0	1.22	1	8/6/2007	
Hexachlorobutadiene	BQL	10.0	1.58	1	8/6/2007	
Hexachlorocyclopentadiene	BQL	20.0	20.0	1	8/6/2007	
Hexachloroethane	BQL	10.0	1.58	1	8/6/2007	
Indeno(1,2,3-c,d)pyrene	BQL	10.0	4.57	1	8/6/2007	
Isophorone	BQL	10.0	1.27	1	8/6/2007	
Naphthalene	BQL	10.0	1.08	1	8/6/2007	
Nitrobenzene	BQL	10.0	1.32	1	8/6/2007	
2-Nitrophenol	BQL	10.0	3.52	1	8/6/2007	
4-Nitrophenol	BQL	50.0	3.17	1	8/6/2007	
N-Nitrosodi-n-propylamine	BQL	10.0	1.87	1	8/6/2007	
Pentachlorophenol	BQL	50.0	2.83	1	8/6/2007	
Phenanthrene	BQL	10.0	1.38	1	8/6/2007	

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: PB8768
Lab Project ID:

Analyzed By: EAW
Date Collected:
Date Received:
Date Extracted: 8/1/2007
Matrix: WATER

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	10.0	3.38	1	8/6/2007	
Pyrene	BQL	10.0	2.08	1	8/6/2007	
1,2,4-Trichlorobenzene	BQL	10.0	1.33	1	8/6/2007	
2,4,6-Trichlorophenol	BQL	10.0	2.92	1	8/6/2007	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	7.1	71		
2-Fluorophenol		10	6.3	63		
Nitrobenzene-d5		10	7.3	73		
Phenol-d6		10	6.8	68		
2,4,6-Tribromophenol		10	6.5	65		
4-Terphenyl-d14		10	10.2	102		

Comments:

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

Flags:

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

Reviewed By: 



**Results For Matrix Spike / Matrix Spike Duplicate and Laboratory Control Standard (MS/MSD/LCS)
by GCMS**

Client Sample ID: Batch QC

Date Collected:

Client Project ID:

Date Received:

Lab Sample ID: Batch-8768-MS/MSD/LCS

Date Extracted: 08/01/07

Lab Project ID: G898-8-34B

Date Analyzed: 08/06/07

Matrix: WATER

Analyzed By: EAW

Prep Method: 3520

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	% Rec.
Acenaphthylene	BQL	233	202	86.7	233	211	90.6	4.40	30	62.0-119
4-Chloro-3-methylphenol	BQL	233	194	83.6	233	193	82.8	0.962	30	67.0-109
2-Chlorophenol	BQL	233	171	73.7	233	180	77.5	5.03	30	59.0-95.0
1,4-Dichlorobenzene	BQL	233	134	57.5	233	178	76.5	28.4	30	29.0-86.0
2,4-Dinitrotoluene	BQL	233	192	82.5	233	197	84.8	2.75	30	63.0-103
N-Nitrosodi-n-propylamine	BQL	233	197	84.5	233	210	90.5	6.86	30	67.0-107
4-Nitrophenol	BQL	233	173	74.2	233	161	69.4	6.69	30	49.0-146
Pentachlorophenol	BQL	233	186	80.0	233	192	82.4	2.96	30	43.0-106
Phenol	BQL	233	181	77.9	233	189	81.2	4.15	30	61.0-100
Pyrene	BQL	233	243	105	233	239	103.0	1.83	30	41.0-123
1,2,4-Trichlorobenzene	BQL	233	170	72.9	233	192	82.4	12.2	30	41.0-96.0

	Spiked Amount (µg/L)	LCS Conc. (µg/L)	LCS Spike %	QC Limits
				% Rec.
Acenaphthylene	100	95.1	95.1	52.1-145
4-Chloro-3-methylphenol	100	90.7	90.7	51.1-135
2-Chlorophenol	100	78.4	78.4	43.7-128
1,4-Dichlorobenzene	100	86.6	86.6	30.0-110
2,4-Dinitrotoluene	100	90.7	90.7	56.3-144
N-Nitrosodi-n-propylamine	100	93.4	93.4	55.9-143
4-Nitrophenol	100	76.4	76.4	47.8-148
Pentachlorophenol	100	80.3	80.3	43.9-118
Phenol	100	79.1	79.1	48.0-124
Pyrene	100	106	106	29.9-185
1,2,4-Trichlorobenzene	100	88.9	88.9	43.9-122

Comments:

Concentrations reflect the spiked sample amounts.

Flags:

* = Out of limits.

NA = Not applicable.

Reviewed By: 



Results for Metals

Client Sample ID: USTLCH4015-MW14
Client Project ID: NV019
Lab Sample ID: G650-118-1
Lab Project ID: G650-118
Batch ID: 8736

Analyzed By: AEC
Date Collected: 7/23/2007 15:59
Date Received: 7/26/2007
Matrix: WATER

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	0.775	5.00	0.278	25	UG/L	6020	7/27/2007	J

Comments

BQL = Below Quantitation Limits

DF = Dilution Factor

J = Between MDL and RL

B= Amount in Prep Blank > MDL

Samples Prepared by 3030C

3030c digestion performed outside of the 72 hour holding time

Reviewed By: 
MET_4.2



Results for Metals

Client Sample ID: USTLCH4015-MW14
Client Project ID: NV019
Lab Sample ID: G650-118-1
Lab Project ID: G650-118
Batch ID:

Analyzed By: AEC
Date Collected: 7/23/2007 15:59
Date Received: 7/26/2007
Matrix: WATER

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	0.775	5.00	0.278	25	UG/L	6020	7/27/2007	J

Comments

BQL = Below Quantitation Limits

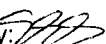
DF = Dilution Factor

J = Between MDL and RL

B= Amount in Prep Blank > MDL

Samples Prepared by 3030C

3030c digestion performed outside of the 72 hour holding time

Reviewed By: 
MET_4.2



Results for Metals

Client Sample ID: USTLCH4015-MW13
Client Project ID: NV019
Lab Sample ID: G650-118-3
Lab Project ID: G650-118
Batch ID: 8736

Analyzed By: AEC
Date Collected: 7/23/2007 16:38
Date Received: 7/26/2007
Matrix: WATER

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	BQL	5.00	0.278	25	UG/L	6020	7/27/2007	

Comments

BQL = Below Quantitation Limits

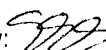
DF = Dilution Factor

J = Between MDL and RL

B= Amount in Prep Blank > MDL

Samples Prepared by 3030C

3030c digestion performed outside of the 72 hour holding time

Reviewed By: 
MET_4.2



Results for Metals

Client Sample ID: USTLCH4015-MW21
Client Project ID: NV019
Lab Sample ID: G650-118-5
Lab Project ID: G650-118
Batch ID: 8736

Analyzed By: AEC
Date Collected: 7/24/07 9:32
Date Received: 7/26/07
Matrix: WATER

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	BQL	5.00	0.278	25	UG/L	6020	7/27/07	

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_4.2



Results for Metals

Client Sample ID: USTLCH4015-MW19
Client Project ID: NV019
Lab Sample ID: G650-118-6
Lab Project ID: G650-118
Batch ID: 8736

Analyzed By: AEC
Date Collected: 7/24/07 10:04
Date Received: 7/26/07
Matrix: WATER

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	BQL	5.00	0.278	25	UG/L	6020	7/27/07	

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_4.2



Results for Metals

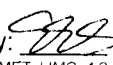
Client Sample ID: USTLCH4015-MW18
Client Project ID: NV019
Lab Sample ID: G650-118-7
Lab Project ID: G650-118
Batch ID: 8736

Analyzed By: AEC
Date Collected: 7/24/07 10:25
Date Received: 7/26/07
Matrix: WATER

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	BQL	5.00	0.278	25	UG/L	6020	7/27/07	

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_4.2

**Results for Metals**

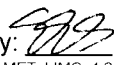
Client Sample ID: USTLCH4015-MW22
Client Project ID: NV019
Lab Sample ID: G650-118-8
Lab Project ID: G650-118
Batch ID: 8736

Analyzed By: AEC
Date Collected: 7/24/07 11:24
Date Received: 7/26/07
Matrix: WATER

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	BQL	5.00	0.278	25	UG/L	6020	7/27/07	

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_4.2



Results for Metals

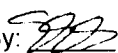
Client Sample ID: USTLCH4015-MW20
Client Project ID: NV019
Lab Sample ID: G650-118-9
Lab Project ID: G650-118
Batch ID: 8736

Analyzed By: AEC
Date Collected: 7/24/07 12:12
Date Received: 7/26/07
Matrix: WATER

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	BQL	5.00	0.278	25	UG/L	6020	7/27/07	

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_4.2



Results for Metals

Client Sample ID: USTLCH4015-MW02
Client Project ID: NV019
Lab Sample ID: G650-118-10
Lab Project ID: G650-118
Batch ID: 8736

Analyzed By: AEC
Date Collected: 7/24/2007 12:39
Date Received: 7/26/2007
Matrix: WATER

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	BQL	5.00	0.278	25	UG/L	6020	7/27/2007	

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_4.2

**Results for Metals**

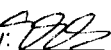
Client Sample ID: USTLCH4015-MW23
Client Project ID: NV019
Lab Sample ID: G650-118-11
Lab Project ID: G650-118
Batch ID: 8736

Analyzed By: AEC
Date Collected: 7/24/2007 16:36
Date Received: 7/26/2007
Matrix: WATER

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	BQL	5.00	0.278	25	UG/L	6020	7/27/2007	

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_4.2



Results for Metals

Client Sample ID: USTLCH4015-MW01
Client Project ID: NV019
Lab Sample ID: G650-118-12
Lab Project ID: G650-118
Batch ID: 8736

Analyzed By: AEC
Date Collected: 7/24/07 17:12
Date Received: 7/26/07
Matrix: WATER

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	BQL	5.00	0.278	25	UG/L	6020	7/27/07	

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_4.2



Results for Metals

Client Sample ID: USTLCH4015-MW07
Client Project ID: NV019
Lab Sample ID: G650-118-13
Lab Project ID: G650-118
Batch ID: 8736

Analyzed By: AEC
Date Collected: 7/24/07 17:57
Date Received: 7/26/07
Matrix: WATER

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	BQL	5.00	0.278	25	UG/L	6020	7/27/07	

Comments

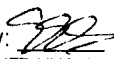
BQL = Below Quantitation Limits

DF = Dilution Factor

J = Between MDL and RL

B= Amount in Prep Blank > MDL

Samples Prepared by 3030C

Reviewed By: 

MET_LIMS_4.2



Results for Metals

Client Sample ID: USTLCH4015-MW16
Client Project ID: NV019
Lab Sample ID: G650-118-14
Lab Project ID: G650-118
Batch ID: 8736

Analyzed By: AEC
Date Collected: 7/24/07 18:22
Date Received: 7/26/07
Matrix: WATER

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	BQL	5.00	0.278	25	UG/L	6020	7/27/07	

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_4.2

**Results for Metals**

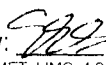
Client Sample ID: USTLCH4015-MW15
Client Project ID: NV019
Lab Sample ID: G650-118-15
Lab Project ID: G650-118
Batch ID: 8736

Analyzed By: AEC
Date Collected: 7/24/07 19:01
Date Received: 7/26/07
Matrix: WATER

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	BQL	5.00	0.278	25	UG/L	6020	7/27/07	

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_4.2

**Results for Metals**

Client Sample ID: USTLCH4015-MW08
Client Project ID: NV019
Lab Sample ID: G650-118-16
Lab Project ID: G650-118
Batch ID: 8736

Analyzed By: AEC
Date Collected: 7/25/07 9:17
Date Received: 7/26/07
Matrix: WATER

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	BQL	5.00	0.278	25	UG/L	6020	7/27/07	

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_4.2

**Results for Metals**

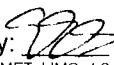
Client Sample ID: USTLCH4015-MW04
Client Project ID: NV019
Lab Sample ID: G650-118-17
Lab Project ID: G650-118
Batch ID: 8736

Analyzed By: AEC
Date Collected: 7/25/07 9:39
Date Received: 7/26/07
Matrix: WATER

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	BQL	5.00	0.278	25	UG/L	6020	7/27/07	

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_4.2

**Results for Metals**

Client Sample ID: USTLCH4015-MW05
Client Project ID: NV019
Lab Sample ID: G650-118-18
Lab Project ID: G650-118
Batch ID: 8736

Analyzed By: AEC
Date Collected: 7/25/07 10:47
Date Received: 7/26/07
Matrix: WATER

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	BQL	5.00	0.278	25	UG/L	6020	7/27/07	

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_4.2

**Results for Metals**

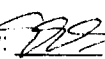
Client Sample ID: USTLCH4015-MW03
Client Project ID: NV019
Lab Sample ID: G650-118-19
Lab Project ID: G650-118
Batch ID: 8736

Analyzed By: AEC
Date Collected: 7/25/07 11:17
Date Received: 7/26/07
Matrix: WATER

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	BQL	5.00	0.278	25	UG/L	6020	7/27/07	

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_4.2

**Results for Metals**

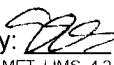
Client Sample ID: USTLCH4015-MW09
Client Project ID: NV019
Lab Sample ID: G650-118-20
Lab Project ID: G650-118
Batch ID: 8736

Analyzed By: AEC
Date Collected: 7/25/07 11:40
Date Received: 7/26/07
Matrix: WATER

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	BQL	5.00	0.278	25	UG/L	6020	7/27/07	

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_4.2

**Results for Metals**

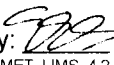
Client Sample ID: USTLCH4015-MW24
Client Project ID: NV019
Lab Sample ID: G650-118-21
Lab Project ID: G650-118
Batch ID: 8738

Analyzed By: AEC
Date Collected: 7/25/07 12:07
Date Received: 7/26/07
Matrix: WATER

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	BQL	5.00	0.278	25	UG/L	6020	7/31/07	

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_4.2

**Results for Metals**

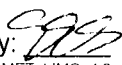
Client Sample ID: USTLCH4015-MW10
Client Project ID: NV019
Lab Sample ID: G650-118-22
Lab Project ID: G650-118
Batch ID: 8738

Analyzed By: AEC
Date Collected: 7/25/07 12:36
Date Received: 7/26/07
Matrix: WATER

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	BQL	5.00	0.278	25	UG/L	6020	7/31/07	

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_4.2



Results for Metals

Client Sample ID: USTLCH4015-MW06
Client Project ID: NV019
Lab Sample ID: G650-118-23
Lab Project ID: G650-118
Batch ID: 8738

Analyzed By: AEC
Date Collected: 7/25/07 13:06
Date Received: 7/26/07
Matrix: WATER

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	4.30	5.00	0.278	25	UG/L	6020	7/31/07	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_4.2

**Results for Metals**

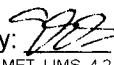
Client Sample ID: USTLCH4015-MW11
Client Project ID: NV019
Lab Sample ID: G650-118-24
Lab Project ID: G650-118
Batch ID: 8738

Analyzed By: AEC
Date Collected: 7/25/07 13:36
Date Received: 7/26/07
Matrix: WATER

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	BQL	5.00	0.278	25	UG/L	6020	7/31/07	

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_4.2



Results for Metals

Client Sample ID: USTLCH4015-DUPLICATE
Client Project ID: NV019
Lab Sample ID: G650-118-25
Lab Project ID: G650-118
Batch ID: 8738

Analyzed By: AEC
Date Collected: 7/24/07 0:00
Date Received: 7/26/07
Matrix: WATER

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	BQL	5.00	0.278	25	UG/L	6020	7/31/07	

Comments

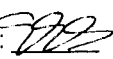
BQL = Below Quantitation Limits

DF = Dilution Factor

J = Between MDL and RL

B= Amount in Prep Blank > MDL

Samples Prepared by 3030C

Reviewed By: 
MET_LIMS_4.2



Results for Metals

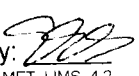
Client Sample ID: Lab Blank
Client Project ID:
Lab Sample ID: pb8736
Lab Project ID:
Batch ID: 8736

Analyzed By: AEC
Date Collected:
Date Received:
Matrix: WATER

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	BQL	5.00	0.278	25	UG/L	6020	7/27/07	

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_4.2



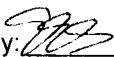
Results for Metals

Client Sample ID: Lab Blank
Client Project ID:
Lab Sample ID: pb8738
Lab Project ID:
Batch ID: 8738

Analyzed By: AEC
Date Collected:
Date Received:
Matrix: WATER

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	BQL	5.00	0.278	25	UG/L	6020	7/31/07	

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_4.2

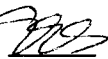


METALS Results for LCS/LCD

ICP Batch: 8736
HG Batch:
Other:

Matrix: WATER
Units: MG/L

						Limit					
Analyte	TRUE Value	LCS	LCS %REC		LCD	LCD %REC	Lower	Upper	RPD		RPD Limit
Lead	0.400	0.382	95.5		0.384	96.0	80	120	0.522		20

Reviewed By: 

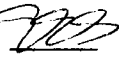


METALS Results for LCS/LCD

ICP Batch: 8738
HG Batch:
Other:

Matrix: WATER
Units: MG/L

Analyte	TRUE Value	LCS	LCS %REC	LCD	LCD %REC	Limit		RPD	RPD Limit
						Lower	Upper		
Lead	0.400	0.382	95.5	0.378	94.5	80	120	1.05	20

Reviewed By: 



MS/MSD Results for METALS

Lab ID: G650-118-1
MS Lab ID: G650-118-1
MSD Lab ID: G650-118-1
ICP Batch: 8736
HG Batch:
Other:

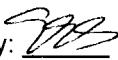
Analyzed By: AEC
Matrix: Water
Units: MG/L

Analyte	Sample Result	SA MS	MS Result	MS %REC	SA MSD	MSD Result	MSD %REC	Limit		RPD	RPD Limit
								Lower	Upper		
Lead	BQL	0.400	0.387	96.8	0.400	0.386	96.5	75	125	0.259	20

Comments

*=Out of Limits

NA = Not applicable, due to sample concentration greater than three times spike concentration

Reviewed By: 



MS/MSD Results for METALS

Lab ID: G650-118-21
MS Lab ID: G650-118-21
MSD Lab ID: G650-118-21
ICP Batch: 8738
HG Batch:
Other:

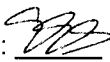
Analyzed By: AEC
Matrix: Water
Units: MG/L

Analyte	Sample Result	SA MS	MS Result	MS %REC	SA MSD	MSD Result	MSD %REC	Limit		RPD	RPD Limit
								Lower	Upper		
Lead	BQL	0.400	0.358	89.5	0.400	0.375	93.8	75	125	4.64	20

Comments

*=Out of Limits

NA = Not applicable, due to sample concentration greater than three times spike concentration

Reviewed By: 

CLIENT:	Sovereign Consulting Inc
CONTACT:	Kurt Meckle
PHONE NO:	(910) 358-0555
PROJECT:	NVO19
SITE/PWSID#:	Bldg LCH 4015
REPORTS TO:	Chris Murray 425 Oak Meadows Crescent Vancouver WA 98682
E-MAIL:	cmurray@seacon.com
FAX NO:	(757) 456-5095
INVOICE TO:	same as above
QUOTE #	
P.O. NUMBER	NVO19

P.O. NUMBER
11019

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX
21	USTLC#4015-MW12-4	7/25/07	1207	GLW
22	USTLC#4015-MW10	7/25/07	1206	GLW
23	USTLC#4015-MW06	7/25/07	1306	GLW
24	USTLC#4015-MW11	7/25/07	1336	GLW
25	USTLC#4015-Duplicate	7/24/07		GLW

[illegible]



Mr. Chris Murray
Sovereign Consulting
405 Oakmeads Crescent
Suite 1
Virginia Beach VA 23462
Report Number: G650-120
Client Project: NV018-001-02

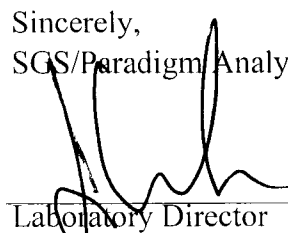
Dear Mr. Murray:

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 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.



Laboratory Director
J. Patrick Weaver

8/23/2007

Date



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

% solids = 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.

**Results for Total Petroleum Hydrocarbons**
by GC/FID 8015

Client Sample ID: USTLCH4015-SB13A

Client Project ID: NV018-001-02

Lab Sample ID: G650-120-1

Lab Project ID: G650-120

Report Basis: Dry Weight

Analyzed By: DVG

Date Collected: 8/20/2007 13:00

Date Received: 8/21/2007

Matrix: Soil

Solids 85.71

Analyte	Result MG/KG	RL MG/KG	Prep Method	Dilution Factor	Date Analyzed
Gasoline Range Organics	BQL	5.41	5035	1	08/22/07
Diesel Range Organics	32.4	7.12	3541	1	08/22/07

Comments:

Flags:

**Results for Total Petroleum Hydrocarbons**
by GC/FID 8015

Client Sample ID: USTLCH4015-SB38A

Client Project ID: NV018-001-02

Lab Sample ID: G650-120-2

Lab Project ID: G650-120

Report Basis: Dry Weight

Analyzed By: DVG

Date Collected: 8/20/2007 13:10

Date Received: 8/21/2007

Matrix: Soil

Solids 95.91

Analyte	Result MG/KG	RL MG/KG	Prep Method	Dilution Factor	Date Analyzed
Gasoline Range Organics	47.2	5.95	5035	1	08/21/07
Diesel Range Organics	73.4	6.38	3541	1	08/22/07

Comments:

Flags:

**Results for Total Petroleum Hydrocarbons**
by GC/FID 8015

Client Sample ID: USTLCH4015-SB36A

Client Project ID: NV018-001-02

Lab Sample ID: G650-120-3

Lab Project ID: G650-120

Report Basis: Dry Weight

Analyzed By: DVG

Date Collected: 8/20/2007 13:25

Date Received: 8/21/2007

Matrix: Soil

Solids 87.14

Analyte	Result MG/KG	RL MG/KG	Prep Method	Dilution Factor	Date Analyzed
Gasoline Range Organics	129	19.7	5035	5	08/22/07
Diesel Range Organics	129	6.77	3541	1	08/22/07

Comments:

Flags:

**Results for Total Petroleum Hydrocarbons**
by GC/FID 8015

Client Sample ID: USTLCH4015-SB37A

Client Project ID: NV018-001-02

Lab Sample ID: G650-120-4

Lab Project ID: G650-120

Report Basis: Dry Weight

Analyzed By: DVG

Date Collected: 8/20/2007 13:40

Date Received: 8/21/2007

Matrix: Soil

Solids 90.29

Analyte	Result MG/KG	RL MG/KG	Prep Method	Dilution Factor	Date Analyzed
Gasoline Range Organics	137	20.1	5035	5	08/22/07
Diesel Range Organics	9950	326	3541	50	08/22/07

Comments:

Flags:

Reviewed By: 

**Results for Total Petroleum Hydrocarbons**
by GC/FID 8015

Client Sample ID: USTLCH4015-SB26A

Client Project ID: NV018-001-02

Lab Sample ID: G650-120-5

Lab Project ID: G650-120

Report Basis: Dry Weight

Analyzed By: DVG

Date Collected: 8/20/2007 14:00

Date Received: 8/21/2007

Matrix: Soil

Solids 90.13

Analyte	Result MG/KG	RL MG/KG	Prep Method	Dilution Factor	Date Analyzed
Gasoline Range Organics	BQL	5.71	5035	1	08/21/07
Diesel Range Organics	BQL	6.76	3541	1	08/22/07

Comments:

Flags:

**Results for Total Petroleum Hydrocarbons**
by GC/FID 8015

Client Sample ID: USTLCH4015-SB18A

Client Project ID: NV018-001-02

Lab Sample ID: G650-120-6

Lab Project ID: G650-120

Report Basis: Dry Weight

Analyzed By: DVG

Date Collected: 8/20/2007 14:20

Date Received: 8/21/2007

Matrix: Soil

Solids 87.11

Analyte	Result MG/KG	RL MG/KG	Prep Method	Dilution Factor	Date Analyzed
Gasoline Range Organics	BQL	5.91	5035	1	08/21/07
Diesel Range Organics	8.06	7.17	3541	1	08/22/07

Comments:

Flags:

**Results for Total Petroleum Hydrocarbons**
by GC/FID 8015

Client Sample ID: USTLCH4015-SB14A

Client Project ID: NV018-001-02

Lab Sample ID: G650-120-7

Lab Project ID: G650-120

Report Basis: Dry Weight

Analyzed By: DVG

Date Collected: 8/20/2007 14:35

Date Received: 8/21/2007

Matrix: Soil

Solids 87.68

Analyte	Result MG/KG	RL MG/KG	Prep Method	Dilution Factor	Date Analyzed
Gasoline Range Organics	BQL	6.19	5035	1	08/21/07
Diesel Range Organics	14.8	6.76	3541	1	08/22/07

Comments:

Flags:

**Results for Total Petroleum Hydrocarbons**
by GC/FID 8015

Client Sample ID: USTLCH4015-SB20A

Client Project ID: NV018-001-02

Lab Sample ID: G650-120-8

Lab Project ID: G650-120

Report Basis: Dry Weight

Analyzed By: DVG

Date Collected: 8/20/2007 14:50

Date Received: 8/21/2007

Matrix: Soil

Solids 91.48

Analyte	Result MG/KG	RL MG/KG	Prep Method	Dilution Factor	Date Analyzed
Gasoline Range Organics	BQL	5.55	5035	1	08/21/07
Diesel Range Organics	BQL	6.78	3541	1	08/22/07

Comments:

Flags:

**Results for Total Petroleum Hydrocarbons**
by GC/FID 8015

Client Sample ID: USTLCH4015-SB24A

Client Project ID: NV018-001-02

Lab Sample ID: G650-120-9

Lab Project ID: G650-120

Report Basis: Dry Weight

Analyzed By: DVG

Date Collected: 8/20/2007 15:15

Date Received: 8/21/2007

Matrix: Soil

Solids 83.29

Analyte	Result MG/KG	RL MG/KG	Prep Method	Dilution Factor	Date Analyzed
Gasoline Range Organics	BQL	5.27	5035	1	08/21/07
Diesel Range Organics	BQL	7.43	3541	1	08/22/07

Comments:

Flags:

**Results for Total Petroleum Hydrocarbons**
by GC/FID 8015

Client Sample ID: USTLCH4015-SB38B

Client Project ID: NV018-001-02

Lab Sample ID: G650-120-10

Lab Project ID: G650-120

Report Basis: Dry Weight

Analyzed By: DVG

Date Collected: 8/20/2007 13:15

Date Received: 8/21/2007

Matrix: Soil

Solids 87.74

Analyte	Result MG/KG	RL MG/KG	Prep Method	Dilution Factor	Date Analyzed
Gasoline Range Organics	36.5	5.11	5035	1	08/21/07
Diesel Range Organics	35.4	7.10	3541	1	08/22/07

Comments:

Flags:

**Results for Total Petroleum Hydrocarbons**
by GC/FID 8015

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: VBLK4082107A
Lab Project ID:
Report Basis: Dry Weight

Analyzed By: DVG
Date Collected:
Date Received:
Matrix: Soil
Solids 100.00

Analyte	Result mg/kg	RL mg/kg	Prep Method	Dilution Factor	Date Analyzed
Gasoline Range Organics	BQL	6.00	5035	1	08/21/07

Comments:

Flags:

**QC Results for Total Petroleum Hydrocarbons**
by GC/FID

Client Sample ID: Batch QC

Lab Sample ID: g211-1999-12b

LCS ID: LCS4082107A / VP082107

Analyzed By: DVG

Matrix: Soil

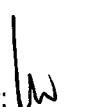
Solids 78.81

MS/MSD

Analyte	Sample MG/KG	Spiked MG/KG	MS MG/KG	REC %	Spiked MG/KG	MSD MG/KG	REC % (70-130)	RPD %
GRO	BQL	27.1	26.7	98.5	27.1	27.3	101	2.51

LCS

Analyte	Spiked MG/KG	Result MG/KG	REC %	LIMITS	
				Lower	Upper
GRO	40	38	95.3	70	130

Comments:Reviewed By: 

**QC Results for Total Petroleum Hydrocarbons**
by GC/FID

Client Sample ID: Batch QC

Lab Sample ID: g510-530-1a

LCS ID: LCS4082207A / VP082207

Analyzed By: DVG

Matrix: Soil

Solids 90.64

MS/MSD

Analyte	Sample MG/KG	Spiked MG/KG	MS MG/KG	REC %	Spiked MG/KG	MSD MG/KG	REC % (70-130)	RPD %
GRO	BQL	43.7	43.8	100	43.7	47.8	109	8.61

LCS

Analyte	Spiked MG/KG	Result MG/KG	REC %	LIMITS	
				Lower	Upper
GRO	40	37	92	70	130

Comments:Reviewed By: 

**Results for Total Petroleum Hydrocarbons**
by GC/FID 8015

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: VBLK4082207A
Lab Project ID:
Report Basis: Dry Weight

Analyzed By: DVG
Date Collected:
Date Received:
Matrix: Soil
Solids 100.00

Analyte	Result mg/kg	RL mg/kg	Prep Method	Dilution Factor	Date Analyzed
Gasoline Range Organics	BQL	6.00	5035	1	08/22/07

Comments:

Flags:

**Results for Total Petroleum Hydrocarbons**
by GC/FID 8015

Client Sample ID: Method Blank

Client Project ID:

Lab Sample ID: PB8946

Lab Project ID:

Report Basis: Dry Weight

Analyzed By: BWS

Date Collected:

Date Received:

Matrix: SOIL

Solids 100.00

Analyte	Result mg/KG	RL mg/KG	Prep Method	Dilution Factor	Date Analyzed
Diesel Range Organics	BQL	6.25	3541	1	08/23/07

Comments:

Flags:

**QC Results for Total Petroleum Hydrocarbons**
by GC/FID

Client Sample ID: Batch QC
Lab Sample ID: G161-2642-3F
Batch ID: 8946

Analyzed By: BWS
Matrix: Soil
Solids 85.81

MS/MSD

Analyte units	Sample MG/KG	Spiked MG/KG	MS MG/KG	REC %	Spiked MG/KG	MSD MG/KG	REC %	RPD %
DRO	12.2	72.8	58.9	64.1	72	57.4	62.8	2.05

LCS

Analyte units	Spiked MG/KG	Result MG/KG	REC %	LIMITS	
				Lower	Upper
DRO	62.5	56.9	91	40	140

Comments:

Reviewed By: 