

FINAL ANNUAL GROUNDWATER MONITORING REPORT 2008-2009

RAPID REFUELER

NCDENR Incident Number: 5668, 21273, 32101, 32004, 32401

Marine Corps Air Station New River
Jacksonville, North Carolina

Prepared for:



Mr. David Borton
Naval Facilities Engineering Command Mid-Atlantic
6506 Hampton Blvd
Norfolk, VA 23508-1278



Mr. Thomas Burton, P.E.
I&E/EMD/EQB
Building 12, Post Lane
MCB Camp Lejeune, NC 28542

And in cooperation with



Osage of Virginia
2618A Colley Avenue
Norfolk, Virginia 23517-1132

Contract No. N40085-06-D-7006
Contract Task Order 0015

June 2009

Prepared by:



P. O. Box 10279
Wilmington, North Carolina 28404-0279
(910) 452-5861

NC Engineering License No.: C-0585

TABLE OF CONTENTS

EXECUTIVE SUMMARY	1
1.0 TITLE PAGE	3
2.0 INTRODUCTION	4
3.0 SITE HISTORY	4
4.0 MONITORING ACTIVITIES – 2008-2009	6
4.1 WELL GAUGING AND PRODUCT RECOVERY	7
4.2 GROUNDWATER SAMPLING	7
5.0 RECEPTOR SURVEY	9
6.0 CONCLUSIONS AND RECOMMENDATIONS	9
7.0 REFERENCES	11

TABLES

TABLE 4-1	WELL CONSTRUCTION/GROUNDWATER ELEVATION DATA
TABLE 4-2	SUMMARY OF GROUNDWATER SAMPLING RESULTS- JULY 2008

FIGURES

FIGURE 3-1	SITE LOCATION MAP
FIGURE 4-1	SITE MAP WITH MONITORING WELL LOCATIONS
FIGURE 4-2	SITE MAP WITH ESTIMATED EXTENT OF FREE-PHASE PRODUCT – JANUARY 2009
FIGURE 4-3	GROUNDWATER ELEVATIONS – JANUARY 2009
FIGURE 4-4	SITE MAP WITH GROUNDWATER RESULTS – JANUARY 2009

APPENDICES

APPENDIX A	HISTORICAL DATA
APPENDIX B	LABORATORY REPORTS AND CHAIN OF CUSTODY DOCUMENTATION

LIST OF ACRONYMS

AFVR	Aggressive Fluid and Vapor Recovery
AMSL	Above Mean Sea Level
BDL	Below Detection Limit
BGS	Below Ground Surface
BQL	Below Quantitation Limit
BLS	Below Land Surface
CAP	Corrective Action Plan
CSA	Comprehensive Site Assessment
DTW	Depth to Water
EMD	Environmental Management Division
EPA	Environmental Protection Agency
EPH	Extractable Petroleum Hydrocarbons
EQB	Environmental Quality Branch
FT	Feet
GCL	Gross Contaminant Level
I&E	Installations and Environment Department
2L GWQS	NCAC T15A:02L Groundwater Quality Standards
m	Meter
MCB	Marine Corps Base
MMPE	Mobile Multi Phase Extraction
MSL	Mean Sea Level
MTBE	Methyl tertiary butyl ether
µg/L	Micrograms per Liter
NA	Not Analyzed
N/A	Not Applicable
NAVFAC	Naval Facilities Engineering Command Atlantic
NC	North Carolina
NCDENR	North Carolina Department of Environment and Natural Resources
NCGWQS	North Carolina Groundwater Quality Standards
NE	None Established
QA/QC	Quality Assurance/Quality Control
SVOC	Semi Volatile Organic Compound
TIC	Tentatively Identified Compound
TOC	Top of Casing
TPH	Total Petroleum Hydrocarbons
US	United States
USEPA	United States Environmental Protection Agency
UST	Underground Storage Tank
VOC	Volatile Organic Compounds

EXECUTIVE SUMMARY

The Rapid Refueler remediation site is within an active aircraft refueling area, commonly referred to as the Rapid Jet system, for the helicopter assets based at Marine Corps Air Station (MCAS) New River, North Carolina (Figure 3-1). The Rapid Jet system is supplied JP-5 fuel via a six inch diameter underground pipeline that runs along White Street from the Campbell Street Bulk Fuel Farm.

The Rapid Jet system is composed of two independent systems – the A-B and C-D Tank areas. The A-B system is equipped with two main 30,000 gallon Underground Storage Tanks (USTs), and the C-D tank system consists of two 20,000 gallon USTs. Each system has associated pumps, supply and return lines, and other various appurtenances.

In the early 1990's, Baker Environmental Inc (Baker) performed a series of site assessment work in the area of the Rapid Jet system and the associated underground JP-5 pipeline and Bulk Fuel Farm. Their assessments of site conditions concluded that dissolved phase, adsorbed phase, and free phase product (as jet fuel) existed in the subsurface at the site. Investigation results were documented in their report titled *FINAL Site Assessment Report, AS-527 and The South End of the Aircraft Direct Refueling Area*, January 14, 1993.

In 1994 CATLIN Engineers and Scientists (CATLIN) conducted a Comprehensive Site Assessment (CSA) at the site in the general vicinity of the A-B Tank area. The investigation concluded that free phase and dissolved phase petroleum had impacted the shallow aquifer. Deep groundwater and soils were reportedly not impacted. The report also stated that a free product recovery system was installed by the Base in spring 1994.

Four USTs in the C-D Tank area were removed in 1994. During removal activities, free product was observed in one of the tank excavations, and as a result, approximately 800 cubic yards of contaminated soil was removed during the excavation. In 1996, a CSA Addendum was prepared to address soil and groundwater contamination in the C-D Tank area. The investigation indicated that petroleum contamination existed in soil above the Total Petroleum Hydrocarbon (TPH) action levels and groundwater above the North Carolina 2L Groundwater Quality Standards (GWQSs); however, no free product was encountered.

CATLIN prepared a Corrective Action Plan (CAP) in 1998, which recommended Aggressive Fluid Vapor Recovery (AFVR) as the remedial response to remove free product and vadose zone soil contamination. The product recovery system (installed in 1994) was to be operated concurrently with AFVR. The CAP recommended that dissolved phase contamination be addressed with natural attenuation. These original Rapid Refueler incidents are tracked by the North Carolina Department of Environment and Natural Resources (NCDENR) under incident #s 5668 and 21273.

A series of documented JP-5 releases occurred in association with the Rapid Refueler site beginning in 2002. A release of unknown quantity took place in May 2002, NCDENR Incident # 32101, from the underground fuel line in the C-D Tank area. Another release occurred at the A-B Tank area in October 2002, NCDENR Incident # 32004, and a third release occurred in 2006 west northwest of the C-D tank area, Incident # 32401. Each release was assessed and reports were submitted.

Monitoring of the site has taken place each year to include gauging of monitoring wells, free product recovery, and groundwater sampling. Osage of Virginia (Osage) took over monitoring operations for the 2008-2009 monitoring period. Oversight consisted of weekly gauging and free product recovery and annual groundwater sampling. Twenty four wells were gauged weekly and any measurable free product was removed via peristaltic pump. A total of 274.45 gallons of free product were removed during the monitoring period. Forty-six groundwater monitoring wells were sampled as part of the annual sampling event, and each sample was analyzed using EPA Methods 602 and 625.

Benzene, Bis(2-ethylhexyl)phthalate, and Naphthalene were the only noncompliant compounds detected in groundwater at the site. Based upon findings of this monitoring period, Osage recommends continued gauging and sampling of site monitoring wells. Monitoring wells should continue to be gauged weekly with free product recovery as required, and annual groundwater sampling of select monitoring wells should be performed with analysis for EPA 602 with Xylenes and EPA 610. Monitoring well USTAS527-MW08 should be incorporated into the sampling program and monitoring wells USTAS511-MW04, USTAS511-MW08, USTAS527-MW04, USTAS527-MW09, USTAS527-DW06, USTRF-MW01, USTRF-MW02, USTRF-MW03 and USTRF-MW13 should be dropped from the sampling program.

1.0 TITLE PAGE

DATE OF REPORT: June 2009

Facility I.D.: Rapid Refueler

UST Incident Numbers: 5668,
21273, 32101, 32004, 32401

Site Name: Rapid Refueler

Site Location: MCAS New River, Jacksonville, North Carolina

Nearest City/Town: Jacksonville

County: Onslow

Risk Classification: Intermediate Risk

Land Use Classification: Industrial/Commercial

UST Owner: Commanding Officer- MCB Camp Lejeune

I&E/EMD/EOB

PSC Box 20004

Address: MCB Camp Lejeune, NC 28542-0004

Phone: (910) 451-5068

UST Operator: Same as above

Address: Same as above

Phone: Same as above

Property Owner: Same as above

Address: Same as above

Phone: Same as above

Property Occupant: Same as above

Address: Same as above

Phone: Same as above

Consultant/Contractor: CATLIN Engineers and Scientists

Address: 220 Old Dairy Rd.
Wilmington, NC 28405
Phone: (910) 452-5861

Osage of Virginia

2618A Colley Ave
Norfolk, VA 23517
Phone: (757) 440-0400

Release Information

Date Discovered: 1987

Northing:

3843771.97

Easting:

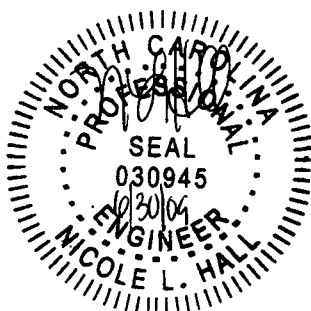
276092.65

Estimated Quantity of Release: Unknown

Cause of Release: Leaking pipeline and USTs

Source of Release (Piping/UST): USTs and piping

Sizes and contents of UST system(s) from which the release occurred: Six inch diameter JP-5 pipeline; System A-B Tanks are 30,000 gallon each JP-5 tanks; System C-D Tanks are 20,000 gallons each JP-5 tanks; System A-B Product Recovery Tank at 2,500 gallons; System C-D Product Recovery Tank at 1,000 gallons.



I, Nicole L Hall, a Professional Engineer, for Catlin Engineers and Scientists 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 groundwater gauging and sampling events at the Rapid Refueler remediation site, which is aboard the MCAS New River, Jacksonville, North Carolina. The data was collected during the 2008 - 2009 monitoring period. The project's scope of work entailed weekly gauging and product recovery events for 24 site monitoring wells and one groundwater sampling event of 46 site monitoring wells. The gauging events were conducted to measure and record the depth to free product (if present), depth to groundwater, and to recover any free product. The sampling event was conducted to analyze the site groundwater for petroleum constituents using USEPA Methods 602 and 625.

3.0 SITE HISTORY

The site is an active aircraft refueling area, commonly referred to as the Rapid Jet system, for the helicopter assets based at MCAS New River, North Carolina (Figure 3-1). The Rapid Jet system is located between Runway 01/19 and the aircraft parking ramp and is supplied JP-5 fuel via a six inch diameter underground pipeline that runs along White Street from the Campbell Street Bulk Fuel Farm.

The Rapid Jet system is composed of two independent systems – the A-B and C-D Tank areas. The A-B system was originally constructed in 1992 and is equipped with two 30,000 gallon USTs and associated appurtenances. It also contains a 2,500 UST used as a product recovery or slop tank. The C-D tank system was provided in approximately 1980. It consists of two 20,000 gallon USTs and a 1,000 gallon product recovery tank with associated appurtenances.

In the early 1990's, Baker performed a series of site assessment work in the area of the Rapid Jet system and the associated underground JP-5 pipeline and Bulk Fuel Farm. Their assessments of site conditions concluded that dissolved phase, adsorbed phase, and free phase product (as jet fuel) existed in the subsurface at the site. Investigation results were reported in their report titled *FINAL Site Assessment Report, AS-527 and The South End of the Aircraft Direct Refueling Area*, January 14, 1993.

In 1994 CATLIN conducted a CSA at the site in the general vicinity of the A-B Tank area. The investigation concluded that free phase and dissolved phase petroleum had impacted the shallow aquifer. Deep groundwater and soils were reportedly not impacted. The report also stated that a free product recovery system was installed by the Base in spring 1994.

Four USTs in the C-D Tank area were removed in 1994. During removal activities, free product was observed in one of the tank excavations. As a result, approximately 800 cubic yards of contaminated soil was removed during the excavation.

In 1996, a CSA Addendum was prepared to address soil and groundwater contamination in the C-D Tank area. The investigation indicated that petroleum contamination existed in soil above the TPH action levels and groundwater above the 2L GWQs; however, no free product was encountered.

CATLIN prepared a CAP in 1998. The CAP recommended AFVR as the remedial response to remove free product and vadose zone soil contamination. The product recovery system (installed in 1994) was to be operated concurrently with AFVR. The CAP recommended that dissolved phase contamination be addressed with natural attenuation. These original Rapid Refueler incidents are tracked by NCDENR under incident #s 5668 and 21273.

A series of documented JP-5 releases occurred in association with the site beginning in 2002. A release of unknown quantity took place in May 2002, NCDENR Incident # 32101, from the underground fuel line in the C-D Tank area. As a result, a Phase II Limited Site Assessment (LSA) was conducted in 2004 by CATLIN; the investigation results indicated the presence of dissolved phase and free phase product in the shallow subsurface. The site was categorized as Intermediate Risk and Industrial/Commercial land use.

Another release occurred at the A-B Tank area in October 2002, NCDENR Incident # 32004. CATLIN conducted a CSA for the area of concern dated August 26, 2003, which documented the presence of free product and dissolved contamination. A CAP, dated August 10, 2004, followed the report. CATLIN recommended the implementation of free product recovery trenches with Mobile Multi-Phase Extraction (MMPE).

A 2006 release occurred in association with Probes 184/185 and 196/200/201, which was identified as a result of Tracer pipeline testing. A LSA was completed for the release by Baker dated April 16, 2007 and submitted to NCDENR (Incident # 32401).

In 2004, an annual groundwater monitoring program was implemented at the site by Engineering and Environment, Inc. (EEI). The program consisted of weekly gauging, manual product recovery, AFVR, and installation of sorbent socks.

Shaw took over the annual monitoring program in 2005. As part of the site monitoring and remediation, the aforementioned free product recovery trench was installed. Shaw performed MMPE events on the recovery trench monthly and conducted AFVR events on wells that contained more than 0.60 feet of free product. Semi-annual groundwater sampling was conducted to monitor the effectiveness of site remediation and recovery efforts.

MMPE events were not performed after February 2006 since free product thicknesses in the recovery trench were reduced to below 0.05 feet. In addition, semi-annual sampling was reduced to annual sampling after the 2005-2006 monitoring period.

Shaw continued the annual monitoring programs in 2006, 2007, and 2008. Site monitoring included annual sampling of wells not containing product, weekly AFVR on any well with greater than 0.60 feet of product, and monthly maintenance and replacement of absorbent socks. Weekly AFVR events were reduced to monthly events starting in June 2007.

Osage took over monitoring operations in 2008-2009. Monitoring consisted of weekly gauging and free product recovery and annual groundwater sampling. Twenty-four wells were gauged weekly and any measurable free product was removed via peristaltic pump. Forty-six monitoring

wells were sampled as part of the annual sampling event, and each sample was analyzed using EPA Methods 602 and 625.

4.0 MONITORING ACTIVITIES – 2008-2009

The 2008-2009 monitoring period consisted of weekly gauging and product recovery events of 24 monitoring wells and one groundwater sampling event of 46 wells. The program monitoring wells are listed in the following table and shown on Figure 4-1. Activities were conducted in accordance with NCDENR guidance.

Well ID	Well Gauged Weekly	Well Sampled Annual	Well ID	Well Gauged Weekly	Well Sampled Annual
USTRF-MW01		X	--	--	--
USTRF-MW02		X	USTRF-PZ06	X	
USTRF-MW03		X	USTRF-PZ07	X	
USTRF-MW04		X	USTRF-PZ08	X	
USTRF-MW05		X	USTAS497-MW01		X
USTRF-MW06		X	USTAS497-MW02		X
USTRF-MW07		X	USTAS497-MW03		X
USTRF-MW08		X	USTAS497-MW04		X
USTRF-MW09		X	USTAS497-MW05	X	
USTRF-MW10		X	USTAS497-MW06	X	X
USTRF-MW11		X	USTAS511-MW01		X
USTRF-MW12	X	X	USTAS511-MW02		X
USTRF-MW13		X	USTAS511-MW03		X
USTRF-MW14		X	USTAS511-MW04		X
USTRF-MW15		X	USTAS511-MW05		X
USTRF-MW16	X		USTAS511-MW06		X
USTRF-MW17		X	USTAS511-MW07		X
USTRF-MW18	X		USTAS511-MW08		X
USTRF-MW19	X		USTAS527-DW02		X
USTRF-MW20	X		USTAS527-DW05		X
USTRF-MW21		X	USTAS527-DW06		X
USTRF-MW22	X	X	USTAS527-MW03		X
USTRF-MW23		X	USTAS527-MW04		X
USTRF-MW01G	X		USTAS527-MW08		
USTRF-MW02G	X		USTAS527-MW09		X
USTRF-MW03G		X	USTAS527-MW10		X
USTRF-MW04G	X	X	USTAS527-MW11		
USTRF-MW05G	X	X	USTAS527-MW12	X	X
USTRF-MW06G		X	USTAS527-MW13		X
USTRF-PZ01	X		USTAS527-MW14	Not Located ¹	

Well ID	Well Gauged Weekly	Well Sampled Annual	Well ID	Well Gauged Weekly	Well Sampled Annual
USTRF-PZ02	X		USTAS527-MW15	X	
USTRF-PZ03	X		USTAS527-MW16		X
USTRF-PZ04	X		MW09?/MW10?	X	
USTRF-PZ05	X		RR Trench Sump	X	

¹Monitoring well USTAS527-MW14 is listed as Not Located. MCB Camp Lejeune made an attempt to find certain site wells in August 2008. In a letter report written by Shaw, dated August 20, 2008, they indicate that the well was unable to be located via handheld GPS.

4.1 WELL GAUGING AND PRODUCT RECOVERY

A total of 24 groundwater monitoring wells were included in weekly gauging and product recovery activities at the site (Figure 4-1). The monitoring wells were gauged using an interface probe capable of measuring the depth to water (DTW) and depth to product (if present) to the nearest 0.01 foot. Measurable free product was removed using a peristaltic pump. A total of 274.45 gallons of product was removed from the site during the 2008 – 2009 monitoring period. Gauging data for each well was recorded and is summarized in Table 4-1, and Figure 4-2 illustrates the estimated free product extent for the beginning of January 2009.

Top of casing elevations and DTW values were used to obtain groundwater elevations at the site. Based on the January 2009 groundwater elevations and contours shown in Figure 4-3, groundwater generally flows toward the northeast which is consistent with data from previous reports.

4.2 GROUNDWATER SAMPLING

One groundwater sampling event was conducted in January 2009. Groundwater was collected from 46 monitoring wells using low-flow purging and sampling methods. Three duplicate samples were also collected during the sampling event. Samples were collected after water quality indicator parameters (pH, temperature, conductivity, oxidation-reduction potential, dissolved oxygen and turbidity) were recorded and had stabilized and at least one well volume had been purged. Groundwater was transferred from each well to the laboratory-prepared sample bottles via the polyethylene discharge tubing. The samples were kept in an iced cooler and sent under chain of custody to SGS Environmental Services Inc. (SGS) in Wilmington, NC (NC Certification Number 481). At SGS, the samples were analyzed for VOCs using EPA Method 602 plus Xylenes and SVOCs via EPA Method 625 plus the 10 largest non-target peaks (TICs).

The laboratory report and chain of custody documentation for the January 2009 sampling event is included in Appendix B. The analytical data for the groundwater sampling event is summarized in Table 4-2 and depicted in Figure 4-4.

EPA Method 602

Benzene was the only volatile organic compound detected in groundwater at the site above its North Carolina 2L GWQSs of 1 µg/L. Benzene was detected in wells USTRF-MW10 (12.8 µg/L), USTRF-MW12 (1.5 µg/L), USTRF-MW17 (4.52 µg/L), USTAS527-DW02 (3.63 µg/L) and USTAS527-MW10 (2.33 µg/L) at concentrations exceeding the NCGWQS. All of these concentrations were below Benzene's GCL of 5,000 µg/L. Laboratory analysis of groundwater at the site detected Ethylbenzene, Methyl tert-butyl ether, Toluene, and Total Xylenes; however, detected concentrations were well below the applicable 2L GWQSs.

EPA Method 625

Five SVOCs, Acenaphthene, Bis(2-ethylhexyl)phthalate, Fluorene, Naphthalene, and Phenol were detected in site groundwater. Only Bis(2-ethylhexyl)phthalate and Naphthalene were detected at concentrations exceeding their 2L GWQSs. Bis(2-ethylhexyl)phthalate exceeded the standard of 2.5 µg/L in groundwater from monitoring well USTRF-MW17 (265 µg/L), USTRF-MW03G (14.1 µg/L), and USTRF-MW06G (15.4 µg/L). Bis(2-ethylhexyl)phthalate is not a petroleum-related compound. This compound is commonly used in plastics as a plasticizing agent. The occurrence of this compound is likely the result of sampling/laboratory artifact, resulting from the use of plastic sampling equipment and/or analytical instrument tubing. Naphthalene exceeded its 2L GWQS (21 µg/L) in groundwater from wells USTRF-MW05 (32.2 µg/L), USTRF-MW10 (447 µg/L), USTRF-MW12 (178 µg/L), USTRF-MW17 (193 µg/L), USTRF-MW22 (30.4 µg/L), USTRF-MW23 (55.2 µg/L), USTRF-MW05G (36.8 µg/L), USTAS527-DW02 (166 µg/L), and USTAS527-MW10 (144 µg/L). All other detections were either Below Method Detection Limits or less than the applicable 2L GWQS.

All but three monitoring wells (USTRF-MW21, USTAS527-MW04, and USTAS527-MW09) sampled during the monitoring period contained one or more TICs. TICs are substances not on the target compound list, and not all TICs are identified and quantified using individual standards. All TIC quantifications are estimated. TIC concentrations ranged from 2.27 µg/L in monitoring well USTAS527-DW05 to 598.20 µg/L in USTRF-MW17.

Quality Assurance and Quality Control (QA/QC)

Laboratory-prepared trip blanks were analyzed for quality control. The trip blanks were analyzed for VOCs only. No VOCs were detected in the trip blanks.

Three duplicate samples were obtained from monitoring wells USTRF-MW07 (Duplicate 1), USTAS527-MW10 (Duplicate 2), and USTRF-MW04G (Duplicate 3). The duplicate results closely mirrored the named groundwater sample results.

Other QC samples were run by the lab as required by the analytical methods. These QC samples include laboratory control spikes, method blanks, prep blanks, etc. The data was

validated by reviewing sample holding times, analytical data, internal standards, calibrations, etc.

5.0 RECEPTOR SURVEY

Several receptor surveys for the site have been completed by Baker in Limited Site Assessments for Incidents #32401 and 32466. Osage reassessed site conditions and concluded that the previously completed receptor surveys still apply. There has been no change in receptor impact, and there have been no changes to land use of the site or the surrounding areas. The site is classified as intermediate risk with industrial/commercial land use.

6.0 CONCLUSIONS AND RECOMMENDATIONS

Based on fieldwork and laboratory analytical data gathered during the 2008-2009 monitoring period, the following conclusions are presented.

1. Free product was consistently encountered in 17 monitoring wells during the monitoring period. Product thicknesses ranged from 0.01 to 5.75 feet. Previous and current groundwater monitoring data indicate three distinct areas of free product. The first area is defined by monitoring well USTAS497-MW05 and USTRF-PZ06, where the free product recovery trench is located. The second area is located in the Rapid Refueler A-B Tank area loading islands and is defined by monitoring wells USTRF-MW16, USTRF-MW18 through USTRF-MW20, and USTRF-MW01G through USTRF-MW05G. The last area is defined by monitoring wells USTAS527-MW15 and USTAS527-MW12 adjacent to the C-D Tank Area fuel pumps. A total of 274.45 gallons of free product was removed from the subsurface during the 2008-2009 monitoring period.
2. Select monitoring wells at the site were gauged weekly. Groundwater elevations ranged from 8.97 to 16.26 feet above mean sea level. Groundwater flow at the site is generally toward the northeast, which is consistent with previous monitoring data.
3. Groundwater sampling results for the 2008-2009 monitoring period show one VOC (Benzene) detected at concentrations above its North Carolina 2L GWQS. Non-compliant concentrations of Benzene were detected in wells USTRF-MW10, USTRF-MW12, USTRF-MW17, USTAS527-DW02, and USTAS527-MW10. No VOCs were detected above the GCLs.
4. Groundwater sampling results for the 2008-2009 monitoring period show two SVOCs [Bis(2-ethylhexyl)phthalate and Naphthalene] detected at concentrations above their respective 2L GWQSs. Non-compliant concentrations of Bis(2-ethylhexyl)phthalate were detected in wells USTRF-MW17, USTRF-MW03G, and USTRF-MW06G, and non-compliant concentrations of Naphthalene were detected in wells USTRF-MW05, USTRF-MW10, USTRF-MW12, USTRF-MW17, USTRF-MW22, USTRF-MW23, USTRF-MW05G, USTAS527-DW02, and USTAS527-MW10.

Osage recommends that weekly gauging and manual free product recovery continue at monitoring wells USTRF-MW01G, USTRF-MW16, USTRF-MW18, USTRF-MW19, , USTRF-PZ05, USTRF-PZ06, RR Trench Sump, USTAS497-MW05, and MW09?/MW10?. The following monitoring wells should be gauged on a monthly basis with manual free product recovery: USTRF-MW02G, USTRF-MW04G, USTRF-MW05G, USTRF-MW20, USTRF-PZ02, USTRF-PZ07, USTRF-PZ08, and USTAS527-MW15. In addition to weekly free product recovery on select wells, monthly AFVR is recommended on monitoring well USTRF-MW18.

Due to the noncompliant VOC and SVOC detections in site groundwater above the 2L GWQSSs, Osage recommends continued annual groundwater sampling of select monitoring wells with analysis for EPA 602 with Xylenes and EPA 610. Monitoring well USTAS527-MW08 should be incorporated into the sampling program and monitoring wells USTAS511-MW04, USTAS511-MW08, USTAS527-MW04, USTAS527-MW09, USTAS527-DW06, USTRF-MW01, USTRF-MW02, USTRF-MW03 and USTRF-MW13 should be dropped from the sampling program. Analysis of groundwater samples via the MADEP Methods will be performed just prior to incident closure as per the NCDENR and Camp Lejeune Environmental Management Division (EMD) agreement dated September 3, 2008. Findings and results should be submitted to EMD and NCDENR in an annual monitoring report.

7.0 REFERENCES

Austin Brockenbrough and Associates, *Special Project NRV03-3, Aviation Fuel System Study, Marine Corps Air Station New River, Jacksonville, North Carolina*, April 5, 2004.

Baker, *Limited Site Assessment Report, Probe 179 Investigation Area, Marine Corps Air Station New River, North Carolina*, April 28, 2008.

CATLIN Engineers and Scientist, *Annual Management and Recommendation Report, MCB Camp Lejeune UST Management Program, Year 2007 (January – December 2007)*, April 4, 2008

Engineering and Environment, Inc., *Annual Groundwater Monitoring Report 2004-2005, Rapid Refueler Site, Marine Corps Air Station New River, North Carolina, Revision 0*, June 17, 2005.

Shaw Environmental and Infrastructure, Inc., *Rapid Refueler A-B Tanks 2006-2007 Annual Monitoring Report, Marine Corps Air Station New River, North Carolina*, May 2007.

Shaw Environmental and Infrastructure, Inc., *Rapid Refueler 2007-2008 Annual Monitoring Report, Marine Corps Air Station New River, North Carolina*, May 2008.

TABLES

Table 4-1
Water Elevation and Product Thickness
Rapid Refueler
MCAS New River
Jacksonville, North Carolina

Monitoring Well	Date	Well Diameter (inches)	TOC Elevation (ft)	Depth to Product from TOC (ft)	Depth to Water from TOC (ft)	Free Product Thickness (ft)	Groundwater Elevation (ft)	Product Recovered (gal)
USTRF-MW01G	6/13/2008	6.00	18.23	5.96	7.64	1.68	11.97	7.02
	6/20/2008	6.00	18.23	NM	6.17	0.00	12.06	7.02
	6/25/2008	6.00	18.23	6.37	6.68	0.31	11.80	0.00
	6/30/2008	6.00	18.23	6.58	6.62	0.04	11.64	0.00
	7/8/2008	6.00	18.23	6.38	6.87	0.49	11.76	0.00
	7/14/2008	6.00	18.23	6.63	6.78	0.15	11.57	0.37
	7/24/2008	6.00	18.23	6.77	6.98	0.21	11.42	0.37
	7/29/2008	6.00	18.23	6.42	6.50	0.08	11.80	7.02
	8/7/2008	6.00	18.23	NM	6.55	0.00	11.68	0.00
	8/15/2008	6.00	18.23	6.18	6.25	0.07	12.04	0.53
	8/22/2008	6.00	18.23	6.48	6.65	0.17	11.72	0.30
	9/18/2008	6.00	18.23	6.05	6.35	0.30	12.13	0.31
	10/2/2008	6.00	18.23	6.50	6.55	0.05	11.72	0.12
	10/23/2008	6.00	18.23	5.52	5.72	0.20	12.67	1.00
	10/30/2008	6.00	18.23	6.84	7.00	0.16	11.36	0.75
	11/5/2008	6.00	18.23	6.41	6.55	0.14	11.79	0.37
	11/12/2008	6.00	18.23	6.54	6.63	0.09	11.67	0.12
	11/17/2008	6.00	18.23	6.10	6.20	0.10	12.11	0.31
	11/24/2008	6.00	18.23	8.38	8.49	0.11	9.83	0.12
	12/3/2008	6.00	18.23	6.55	6.67	0.12	11.66	0.31
	12/8/2008	6.00	18.23	6.65	6.78	0.13	11.56	0.75
	12/16/2008	6.00	18.23	NM	4.31	0.00	13.92	0.00
	12/22/2008	6.00	18.23	5.99	6.12	0.13	12.22	0.30
	12/30/2008	6.00	18.23	5.69	5.74	0.05	12.53	0.31
	1/5/2009	6.00	18.23	5.79	5.91	0.12	12.42	0.22
	1/12/2009	6.00	18.23	5.99	6.04	0.05	12.23	0.22
	1/17/2009	6.00	18.23	5.80	5.89	0.09	12.41	0.19
	1/26/2009	6.00	18.23	6.01	6.09	0.08	12.21	0.22
	2/2/2009	6.00	18.23	5.90	5.95	0.05	12.32	0.12
	2/9/2009	6.00	18.23	6.21	6.25	0.04	12.01	0.11
	2/16/2009	6.00	18.23	6.34	6.39	0.05	11.88	0.12
	2/25/2009	6.00	18.23	NM	6.23	0.00	12.00	0.00
	3/4/2009	6.00	18.23	5.86	5.89	0.03	12.36	0.11
	3/9/2009	6.00	18.23	5.80	5.85	0.05	12.42	0.12
	3/16/2009	6.00	18.23	NM	6.14	0.00	12.09	0.00
	3/26/2009	6.00	18.23	6.03	6.09	0.06	12.19	0.12
	4/4/2009	6.00	18.23	5.88	5.90	0.02	12.35	0.19
	4/7/2009	6.00	18.23	5.80	5.81	0.01	12.43	0.12
	4/13/2009	6.00	18.23	5.99	6.04	0.05	12.23	0.12
	4/20/2009	6.00	18.23	5.70	5.82	0.12	12.51	0.16
	4/30/2009	6.00	18.23	5.88	5.90	0.02	12.35	0.19
	5/6/2009	6.00	18.23	6.34	6.39	0.05	11.88	0.12
Total								29.89

Table 4-1
Water Elevation and Product Thickness
Rapid Refueler
MCAS New River
Jacksonville, North Carolina

[illegible]

Table 4-1
 er Elevation and Product Thick
 Rapid Refueler
 MCAS New River
 Jacksonville, North Carolina

[illegible]

Table 4-1
Groundwater Elevation and Product Thickness Data
Rapid Refueler
MCAS New River
Jacksonville, North Carolina

[illegible]

Table 4-1
Water Elevation and Product Thickness
Rapid Refueler
MCAS New River
Jacksonville, North Carolina

[illegible]

Table 4-1
Water Elevation and Product Thickness
Rapid Refueler
MCAS New River
Jacksonville, North Carolina

[illegible]

Table 4-1
 er Elevation and Product Thic
 Rapid Refueler
 MCAS New River
 Jacksonville, North Carolina

[illegible]

Table 4-1
Water Elevation and Product Thickness
Rapid Refueler
MCAS New River
Jacksonville, North Carolina

[illegible]

Table 4-1
Water Elevation and Product Thickness
Rapid Refueler
MCAS New River
Jacksonville, North Carolina

[illegible]

Table 4-1
 er Elevation and Product Thick
 Rapid Refueler
 MCAS New River
 Jacksonville, North Carolina

[illegible]

Table 4-1
Groundwater Elevation and Product Thickness Data
Rapid Refueler
MCAS New River
Jacksonville, North Carolina

[illegible]

Table 4-1
 er Elevation and Product Thick
 Rapid Refueler
 MCAS New River
 Jacksonville, North Carolina

[illegible]

Table 4-1
Water Elevation and Product Thickness
Rapid Refueler
MCAS New River
Jacksonville, North Carolina

[illegible]

Table 4-1
 er Elevation and Product Thick
 Rapid Refueler
 MCAS New River
 Jacksonville, North Carolina

[illegible]

Table 4-1
Water Elevation and Product Thickness
Rapid Refueler
MCAS New River
Jacksonville, North Carolina

[illegible]

Table 4-1
 er Elevation and Product Thick
 Rapid Refueler
 MCAS New River
 Jacksonville, North Carolina

[illegible]

Table 4-1
 er Elevation and Product Thic
 Rapid Refueler
 MCAS New River
 Jacksonville, North Carolina

[illegible]

Table 4-1
Water Elevation and Product Thickness
Rapid Refueler
MCAS New River
Jacksonville, North Carolina

[illegible]

Jacksonville, North Carolina

Total

Table 4-1
 er Elevation and Product Thick
 Rapid Refueler
 MCAS New River
 Jacksonville, North Carolina

[illegible]

Table 4-1
Water Elevation and Product Thickness
Rapid Refueler
MCAS New River
Jacksonville, North Carolina

[illegible]

Table 4-1
 er Elevation and Product Thi
 Rapid Refueler
 MCAS New River
 Jacksonville, North Carolina

Monitoring Well	Date	Well Diameter	TOC Elevation	Depth to Product from TOC	Depth to Water from TOC	Free Product Thickness	Groundwater Elevation	Product Recovered (gal)
USTAS527-MW15	6/13/2008	2.00	21.86	6.75	7.30	0.55	15.01	0.25
	6/20/2008	2.00	21.86	NM	NG	0.00	UNK	0.00
	6/25/2008	2.00	21.86	7.22	7.50	0.28	14.59	0.12
	6/30/2008	2.00	21.86	7.35	7.54	0.19	14.48	0.08
	7/8/2008	2.00	21.86	7.62	7.77	0.15	14.21	0.05
	7/14/2008	2.00	21.86	7.63	7.75	0.12	14.21	0.03
	7/24/2008	2.00	21.86	7.80	7.90	0.10	14.04	0.06
	7/29/2008	2.00	21.86	7.61	7.66	0.05	14.24	0.02
	8/7/2008	2.00	21.86	7.53	7.57	0.04	14.32	0.02
	8/15/2008	2.00	21.86	7.55	7.58	0.03	14.30	0.01
	8/22/2008	2.00	21.86	7.48	7.52	0.04	14.37	0.02
	9/18/2008	2.00	21.86	7.25	7.29	0.04	14.60	0.02
	10/2/2008	2.00	21.86	7.55	7.59	0.04	14.30	0.02
	10/23/2008	2.00	21.86	7.78	7.81	0.03	14.07	0.03
	10/30/2008	2.00	21.86	7.96	8.00	0.04	13.89	0.02
	11/5/2008	2.00	21.86	NM	8.65	0.00	13.21	0.00
	11/12/2008	2.00	21.86	NM	7.89	0.00	13.97	0.00
	11/17/2008	2.00	21.86	7.58	7.60	0.02	14.28	0.03
	11/24/2008	2.00	21.86	7.55	7.62	0.07	14.30	0.06
	12/3/2008	2.00	21.86	7.71	7.74	0.03	14.14	0.02
	12/8/2008	2.00	21.86	7.80	7.96	0.16	14.03	0.12
	12/16/2008	2.00	21.86	NM	7.32	0.00	14.54	0.00
	12/22/2008	2.00	21.86	7.35	7.38	0.03	14.50	0.05
	12/30/2008	2.00	21.86	6.95	6.96	0.01	14.91	0.01
	1/5/2009	2.00	21.86	NM	6.80	0.00	15.06	0.00
	1/12/2009	2.00	21.86	NM	6.85	0.00	15.01	0.00
	1/17/2009	2.00	21.86	6.73	6.75	0.02	15.13	0.06
	1/26/2009	2.00	21.86	NM	6.92	0.00	14.94	0.00
	2/2/2009	2.00	21.86	6.70	6.71	0.01	15.16	0.03
	2/9/2009	2.00	21.86	NM	6.94	0.00	14.92	0.00
	2/16/2009	2.00	21.86	7.04	7.05	0.01	14.82	0.03
	2/25/2009	2.00	21.86	7.11	7.13	0.02	14.75	0.02
	3/4/2009	2.00	21.86	7.02	7.03	0.01	14.84	0.02
	3/9/2009	2.00	21.86	6.70	6.71	0.01	15.16	0.01
	3/16/2009	2.00	21.86	NM	6.83	0.00	15.03	0.00
	3/26/2009	2.00	21.86	7.96	8.14	0.18	13.87	0.02
	4/4/2009	2.00	21.86	NM	6.54	0.00	15.32	0.00
	4/7/2009	2.00	21.86	NM	6.32	0.00	15.54	0.00
	4/13/2009	2.00	21.86	6.37	6.38	0.01	15.49	0.03
	4/20/2009	2.00	21.86	NM	7.14	0.00	14.72	0.00
	4/30/2009	2.00	21.86	6.60	6.61	0.01	15.26	0.02
	5/6/2009	2.00	21.86	6.76	6.77	0.01	15.10	0.02
Total								1.27
Total (All Wells)								274.45

TABLE 4-2
SUMMARY OF GROUNDWATER LABORATORY RESULTS - JANUARY 2009
EPA METHOD 602 AND 625

Incident Name and No.: Rapid Refueler - 5668

Well ID	Contaminant of Concern →		EPA 602						EPA 625					
	Sample ID	Date Collected	Benzene	Diisopropyl ether (DIPE)	Ethylbenzene	Methyl-tert butyl ether (MTBE)	Toluene	Total Xylenes	Acenaphthene	Bis(2-ethylhexyl)phthalate	Flourene	Naphthalene	Phenol	TICs Total
GCL (µg/L) 2L GWQS (µg/L)			5,000 1	70,000 70	84,500 550	200,000 200	257,500 1,000	87,500 530	2,120 80	2,500 2.5	950 280	15,500 21	300,000 300	NE NE
USTRF-MW01	USTRF-MW01	1/7/2009	<0.428	<0.391	<0.341	<0.778	<0.404	<0.973	<0.838	0.731J	<0.816	<1.02	<1.19	5.16
USTRF-MW02	USTRF-MW02	1/7/2009	<0.428	<0.391	<0.341	<0.778	<0.404	<0.973	<0.739	0.798J	<0.771	<0.968	<1.13	24.83
USTRF-MW03	USTRF-MW03	1/7/2009	<0.428	<0.391	<0.341	<0.778	<0.404	<0.973	<0.815	<0.449	<0.739	<0.996	<1.16	2.25
USTRF-MW04	USTRF-MW04	1/7/2009	<0.428	<0.391	<0.341	<0.778	<0.404	<0.973	<0.807	0.542J	<0.785	<0.986	<1.15	16.88
USTRF-MW05	USTRF-MW05	1/8/2009	<0.177	<0.253	<0.19	<0.306	<0.313	<0.886	<0.804	0.593J	<0.782	32.2	<1.14	84.19
USTRF-MW06	USTRF-MW06	1/8/2009	<0.428	<0.391	<0.341	<0.778	<0.404	<0.973	<0.749	<0.412	<0.729	<0.915	<1.07	2.91
USTRF-MW07	USTRF-MW07	1/8/2009	<0.428	<0.391	<0.341	<0.778	<0.404	<0.973	<0.807	<0.444	<0.785	1.03J	<1.15	2.63
USTRF-MW08	USTRF-MW08	1/8/2009	<0.428	<0.391	<0.341	<0.778	<0.404	<0.973	<0.796	<0.438	<0.775	<0.972	<1.13	2.63
USTRF-MW09	USTRF-MW09	1/8/2009	<0.428	<0.391	<0.341	<0.778	<0.404	<0.973	<0.813	<0.448	<0.791	<0.993	<1.16	8.66
USTRF-MW10	USTRF-MW10	1/8/2009	12.8	<1.01	75.6	<1.22	<1.25	<21.12	<8.02	<4.41	<7.80	447	<11.4	551.50
USTRF-MW11	USTRF-MW11	1/7/2009	<0.177	<0.253	<0.19	<0.306	<0.313	<0.886	<0.762	<0.419	<0.741	<0.930	<1.08	11.75
USTRF-MW12	USTRF-MW12	1/8/2009	1.5	<0.253	8.67	1.40J	<0.313	<3.14	<7.54	<4.15	<7.34	178	<10.7	534.90
USTRF-MW13	USTRF-MW13	1/7/2009	<0.177	<0.253	<0.19	<0.306	<0.313	<0.886	<0.753	0.607J	<0.733	<0.920	3.13J	349.61
USTRF-MW14	USTRF-MW14	1/7/2009	<0.177	<0.253	<0.19	<0.306	<0.313	<0.886	<0.756	<0.416	<0.736	<0.924	<1.08	10.34
USTRF-MW15	USTRF-MW15	1/7/2009	<0.177	<0.253	<0.19	<0.306	<0.313	<0.886	<0.751	<0.413	<0.731	<0.917	<1.07	3.58
USTRF-MW17	USTRF-MW17	1/8/2009	4.52	<0.253	9.67	1.55J	<0.313	<0.980J	<7.67	265	<7.47	193	<10.9	598.20
USTRF-MW21	USTRF-MW21	1/12/2009	<0.177	<0.253	0.639J	<0.306	<0.313	<0.886	<0.746	<0.410	<0.726	<0.911	<1.06	0.00
USTRF-MW22	USTRF-MW22	1/9/2009	<0.428	<0.391	8.86	<0.778	0.425J	11.79	<0.747	0.451J	<0.727	30.4	<1.06	234.77
USTRF-MW23	USTRF-MW23	1/12/2009	<0.177	<0.253	2.52	<0.306	<0.313	<1.071J	1.39J	<0.423	0.826J	55.2	<1.09	126.57
USTRF-MW03G	USTRF-MW03G	1/8/2009	<0.177	<0.253	<0.19	<0.306	<0.313	<0.886	<0.794	14.1	<0.773	<0.970	<1.13	3.68
USTRF-MW04G	USTRF-MW04G	1/13/2009	<0.177	<0.253	<0.19	<0.306	<0.313	<0.886	<0.829	<0.456	<0.806	<1.01	<1.18	24.16
USTRF-MW05G	USTRF-MW05G	1/13/2009	<0.177	<0.253	<0.19	<0.306	<0.313	<1.378J	<0.751	0.907J	<0.731	36.8	<1.07	2.72
USTRF-MW06G	USTRF-MW06G	1/8/2009	<0.428	<0.391	<0.341	<0.778	<0.404	<0.973	<0.778	15.4	<0.767	<0.963	<1.12	2.80
USTAS497-MW01	USTAS497-MW01	1/8/2009	<0.177	<0.253	<0.19	<0.306	<0.313	<0.886	<0.756	<0.416	<0.736	<0.924	<1.08	5.36
USTAS497-MW02	USTAS497-MW02	1/8/2009	<0.177	<0.253	<0.19	<0.306	<0.313	<0.886	<0.758	<0.417	<0.738	<0.926	<1.08	4.90
USTAS497-MW03	USTAS497-MW03	1/7/2009	<0.177	<0.253	<0.19	<0.306	<0.313	<0.886	<0.772	0.570J	<0.751	<0.953	<1.10	6.05
USTAS497-MW04	USTAS497-MW04	1/8/2009	<0.177	<0.253	<0.19	<0.306	<0.313	<0.886	<0.750	0.453J	<0.730	<0.916	<1.07	8.21
USTAS497-MW06	USTAS497-MW06	1/7/2009	<0.177	<0.253	<0.19	<0.306	<0.313	<0.886	<0.751	<0.413	<0.731	<0.917	<1.07	12.07

TABLE 4-2
SUMMARY OF GROUNDWATER LABORATORY RESULTS - JANUARY 2009
EPA METHOD 602 AND 625

Incident Name and No.: Rapid Refueler - 5668

Well ID	Contaminant of Concern →		EPA 602						EPA 625					
			Benzene	Diisopropyl ether (DIPE)	Ethylbenzene	Methyl-tert butyl ether (MTBE)	Toluene	Total Xylenes	Acenaphthene	Bis(2-ethylhexyl)phthalate	Flourene	Naphthalene	Phenol	TICs Total
	Sample ID	Date Collected												
GCL (µg/L)			5,000	70,000	84,500	200,000	257,500	87,500	2,120	2,500	950	15,500	300,000	NE
2L GWQS (µg/L)			1	70	550	200	1,000	530	80	2.5	280	21	300	NE
USTAS511-MW01	USTAS511-MW01	1/9/2009	<0.428	<0.391	<0.341	<0.778	<0.404	<0.973	<0.754	<0.415	<0.734	<0.921	<1.07	30.44
USTAS511-MW02	USTAS511-MW02	1/9/2009	<0.428	<0.391	<0.341	<0.778	<0.404	<0.973	<0.776	<0.421	<0.745	<0.935	<1.09	3.32
USTAS511-MW03	USTAS511-MW03	1/9/2009	<0.428	<0.391	<0.341	<0.778	<0.404	<0.973	<0.782	<0.430	<0.761	<0.955	<1.11	6.98
USTAS511-MW04	USTAS511-MW04	1/9/2009	<0.428	<0.391	<0.341	<0.778	<0.404	<0.973	<0.793	<0.724	<0.772	<0.969	<1.13	4.01
USTAS511-MW05	USTAS511-MW05	1/9/2009	<0.428	<0.391	<0.341	<0.778	<0.404	<0.973	<0.753	<0.415	<0.733	<0.920	<1.07	3.75
USTAS511-MW06	USTAS511-MW06	1/9/2009	<0.428	<0.391	<0.341	<0.778	<0.404	<0.973	<0.769	0.516J	<0.748	<0.939	<1.09	3.37
USTAS511-MW07	USTAS511-MW07	1/9/2009	<0.428	<0.391	<0.341	<0.778	<0.404	<0.973	<0.792	<0.436	<0.770	<0.967	<1.13	2.99
USTAS511-MW08	USTAS511-MW08	1/9/2009	<0.428	<0.391	<0.341	<0.778	<0.404	<0.973	<0.800	0.644J	<0.779	<0.977	<1.14	2.86
USTAS527-DW02	USTAS527-DW02	1/14/2009	3.63	<0.391	49.7	<0.778	0.527J	<34.92	<0.758	0.509J	<0.738	166	<1.08	378.69
USTAS527-DW05	USTAS527-DW05	1/14/2009	<0.428	<0.391	<0.341	<0.778	<0.404	<0.973	<0.764	<0.421	<0.744	<0.933	<1.09	2.27
USTAS527-DW06	USTAS527-DW06	1/14/2009	0.526J	<0.391	<0.341	<0.778	<0.404	<0.973	<0.754	<0.415	<0.734	<0.921	<1.07	11.86
USTAS527-MW03	USTAS527-MW03	1/13/2009	<0.177	<0.253	<0.19	<0.306	<0.313	<0.886	<0.769	<0.423	<0.748	<0.939	<1.09	10.76
USTAS527-MW04	USTAS527-MW04	1/12/2009	<0.177	<0.253	<0.19	<0.306	<0.313	<0.886	<0.762	<0.419	<0.741	<0.930	<1.08	0.00
USTAS527-MW09	USTAS527-MW09	1/13/2009	<0.177	<0.253	<0.19	<0.306	<0.313	<0.886	<0.767	<0.422	<0.747	<0.937	<1.09	0.00
USTAS527-MW10	USTAS527-MW10	1/9/2009	2.33	<0.253	13.3	2.93	<0.313	1.76J	<0.809	<0.445	<0.787	144	<1.15	403.45
USTAS527-MW12	USTAS527-MW12	1/9/2009	<0.177	<0.253	<0.19	<0.306	<0.313	<0.886	<0.794	<0.437	<0.773	5.54	<1.13	43.32
USTAS527-MW13	USTAS527-MW13	1/12/2009	<0.177	<0.253	<0.19	<0.306	<0.313	<0.886	<0.752	<0.414	<0.732	<0.918	<1.07	13.39
USTAS527-MW16	USTAS527-MW16	1/9/2009	<0.177	<0.253	<0.19	<0.306	<0.313	<0.886	<0.760	<0.418	<0.740	1.17J	<1.08	5.75
USTRF-DUPLICATE1	USTRF-DUPLICATE1	Not Dated	<0.428	<0.391	11.8	<0.778	<0.404	3.213J	<0.798	<0.439	<0.776	131	<1.13	346.71
USTRF-DUPLICATE2	USTRF-DUPLICATE2	Not Dated	<0.177	<0.253	14.9	<0.306	<0.313	<4.765	<0.805	0.648J	<0.783	138	<1.14	284.98
USTRF-DUPLICATE3	USTRF-DUPLICATE3	Not Dated	<0.177	<0.253	<0.19	<0.306	<0.313	<0.886	<0.802	0.538J	<0.780	<0.980	<1.14	25.24
TRIP BLANK	TRIP BLANK	1/9/2009	<0.177	<0.253	<0.19	<0.306	<0.313	<0.886	NA	NA	NA	NA	NA	NA

All results in micrograms per liter (µg/L).

Bold results indicate concentrations above 2L GWQS

Bold and shaded results indicate concentrations above the 2L GWQS and GCL

GCL = Gross Contaminant Level

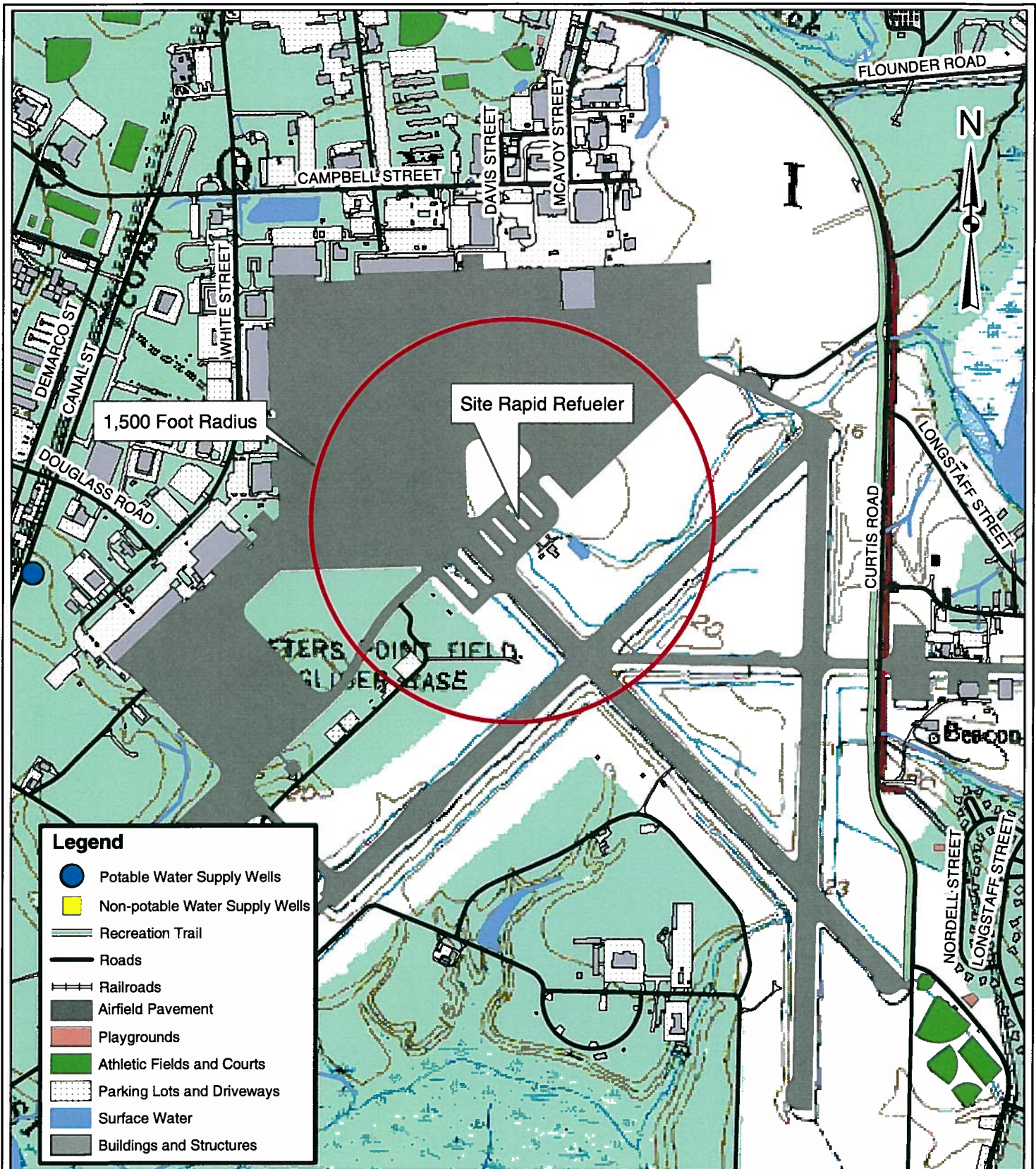
2L GWQS = NCAC T15A:02L Groundwater Quality Standards

NA = Not Analyzed

NE = Not Established

J = Estimated concentration, below the calibration range and above the method detection limit

FIGURES



Prepared in cooperation with:

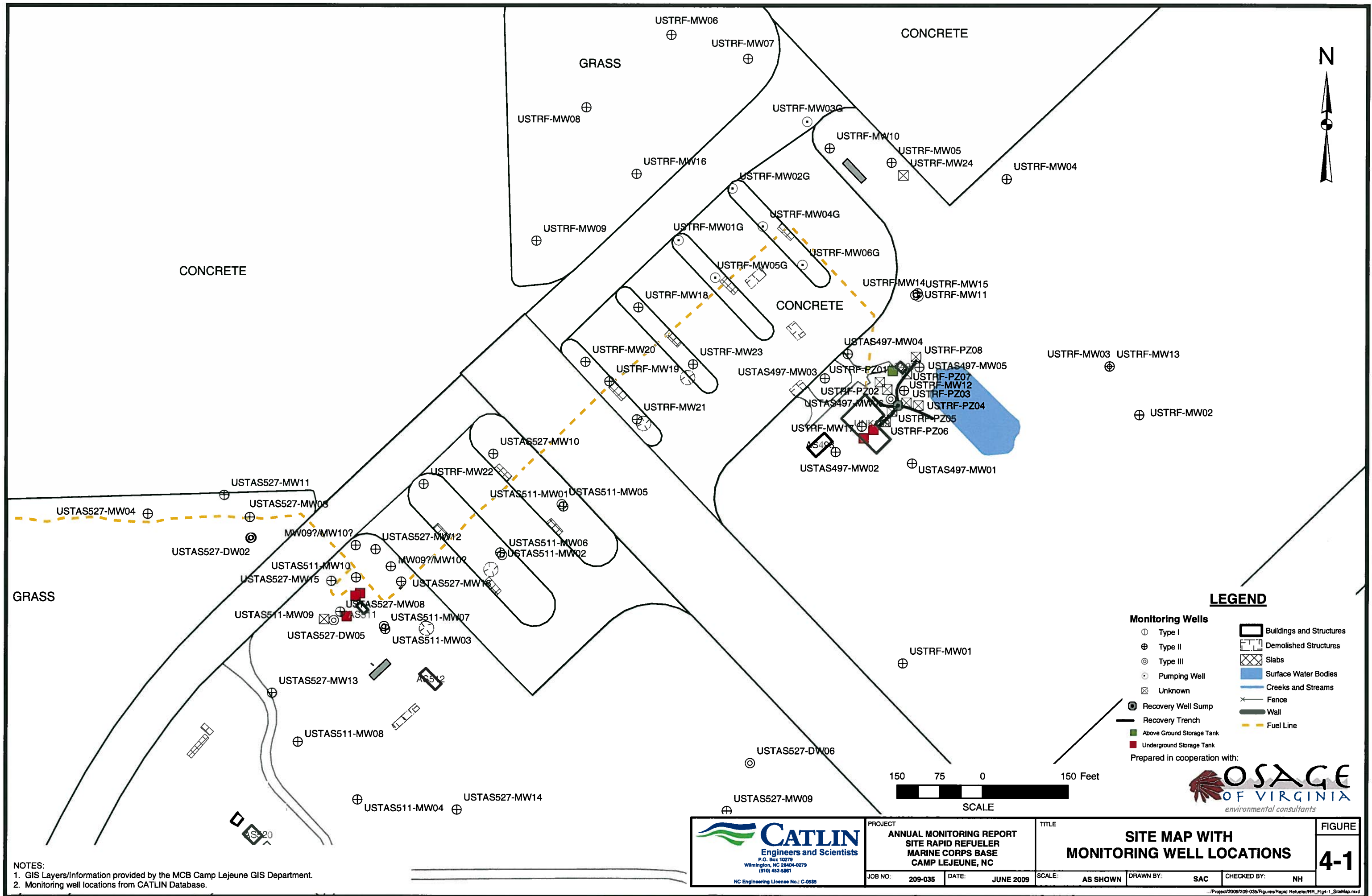


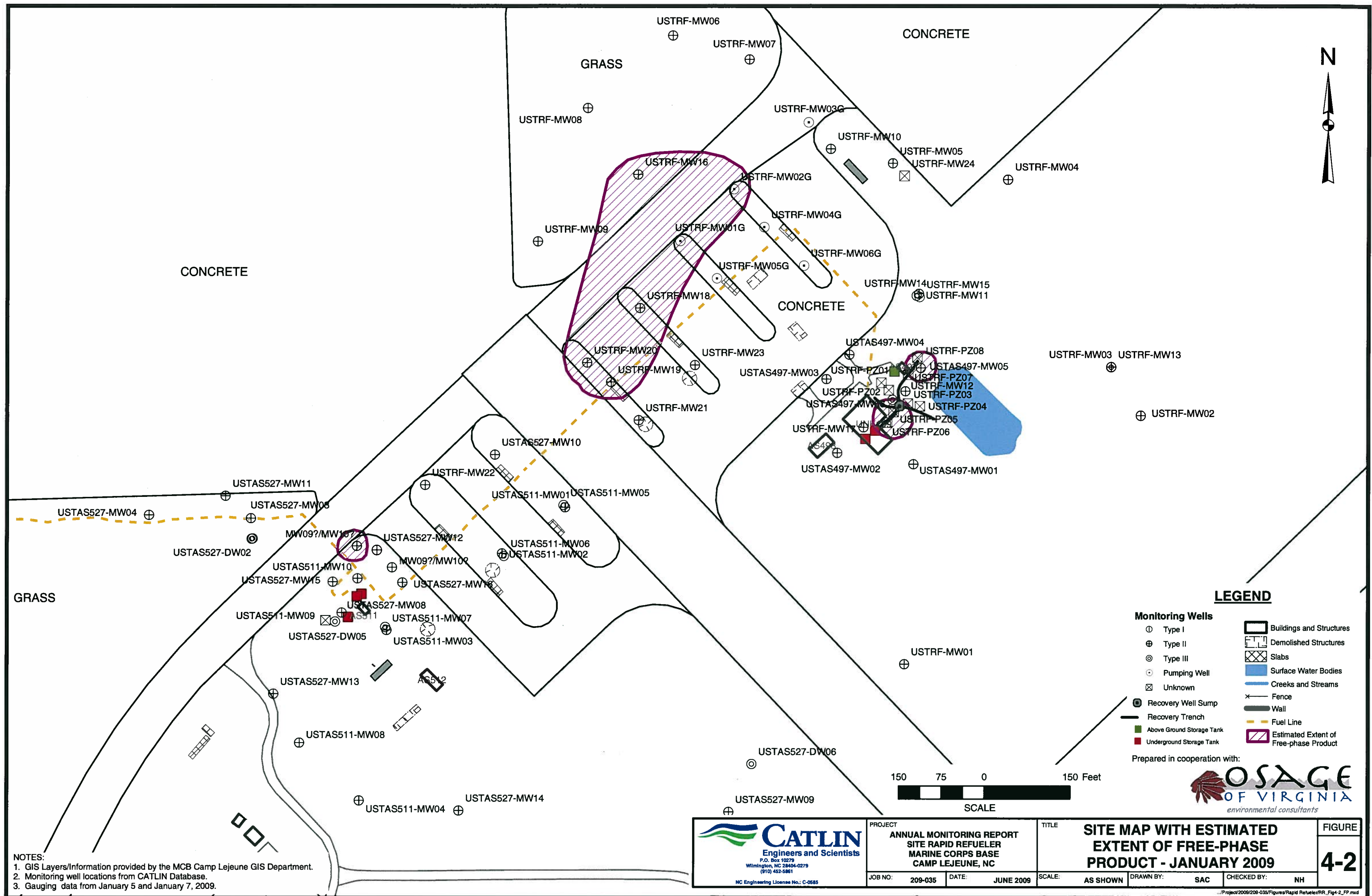
Data Sources: Data Layers provided by MCB Camp Lejeune GIS Office.

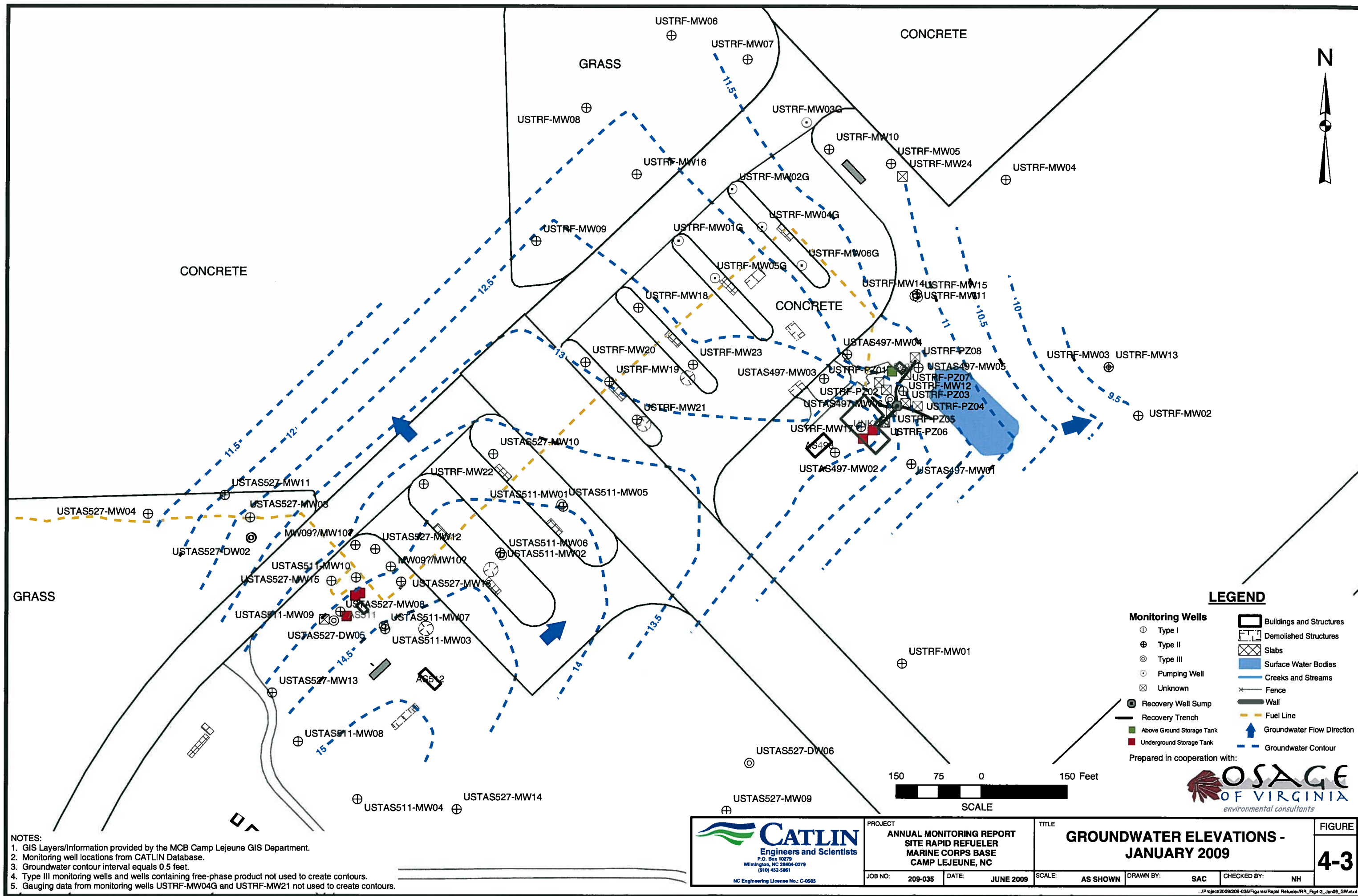
1,000 500 0 1,000 Feet
SCALE

 P.O. Box 10279 Wilmington, NC 28404-0279 (910) 452-5861 NC Engineering License No.: C-0585	PROJECT ANNUAL MONITORING REPORT SITE RAPID REFUELER MARINE CORPS BASE CAMP LEJEUNE, NC		TITLE SITE LOCATION MAP		FIGURE 3-1
	JOB NO. 209-035	DATE JUNE 2009	SCALE AS SHOWN	DRAWN BY SAC	CHECKED BY NH

J:\Project\2009\209-035\Figures\Site Location Map\Fig 3-1_Site Loc.mxd







NOTES:
1. GIS Layers/Information provided by the MCB Camp Lejeune GIS Department.
2. Monitoring well locations from CATLIN Database.
3. Groundwater contour interval equals 0.5 feet.
4. Type III monitoring wells and wells containing free-phase product not used to create contours.
5. Gauging data from monitoring wells USTRF-MW04G and USTRF-MW21 not used to create contours.

CATLIN
Engineers and Scientists
P.O. Box 10279
Wilmington, NC 28404-0279
(910) 452-5861
NC Engineering License No.: C-5685

PROJECT
**ANNUAL MONITORING REPORT
SITE RAPID REFUELER
MARINE CORPS BASE
CAMP LEJEUNE, NC**

JOB NO: 209-035 DATE: JUNE 2009

TITLE
**GROUNDWATER ELEVATIONS -
JANUARY 2009**

SCALE: AS SHOWN DRAWN BY: SAC CHECKED BY: NH

FIGURE
4-3



Prepared in cooperation with:

TABLE 3-3
SUMMARY OF GROUNDWATER LABORATORY RESULTS - JANUARY 2009
EPA METHOD 602 AND 625

Incident Name and No.: 5669 Rapid Refueler

Well ID	Contaminant of Concern →		EPA 602										EPA 625							TTC Total
			Benzene	Dichloropropyl ether (DDEP)	Ethylbenzene	Methyl-tert-butyl ether (MTBE)	Toluene	Total Xylenes	Acetophenone	Bis(2-ethylhexyl)phthalate	Fluorene	Naphthalene	Phenol							
	Sample ID	Date Collected												NE	NE	NE	NE	NE	NE	
GCL (µg/L)			5,000	70,000	84,500	200,000	257,500	87,500	2,120	2,500	950	15,500	300,000	NE						
2L GWQS (µg/L)			1	70	550	200	1,000	530	80	2.5	280	21	300,000	NE						
USTRF-MW01	USTRF-MW01	1/7/2009	<0.428	<0.391	<0.341	<0.778	<0.404	<0.973	<0.838	0.7311	<0.816	<1.02	<1.19	5.16						
USTRF-MW02	USTRF-MW02	1/7/2009	<0.428	<0.391	<0.341	<0.778	<0.404	<0.973	<0.739	0.7981	<0.771	<0.968	<1.13	24.83						
USTRF-MW03	USTRF-MW03	1/7/2009	<0.428	<0.391	<0.341	<0.778	<0.404	<0.973	<0.815	<0.449	<0.739	<0.996	<1.16	2.25						
USTRF-MW04	USTRF-MW04	1/7/2009	<0.428	<0.391	<0.341	<0.778	<0.404	<0.973	<0.807	0.5421	<0.785	<0.986	<1.15	16.88						
USTRF-MW05	USTRF-MW05	1/8/2009	<0.177	<0.253	<0.19	<0.306	<0.313	<0.886	<0.804	0.5931	<0.782	32.2	<1.14	84.19						
USTRF-MW06	USTRF-MW06	1/8/2009	<0.428	<0.391	<0.341	<0.778	<0.404	<0.973	<0.749	<0.412	<0.729	<0.915	<1.07	2.91						
USTRF-MW07	USTRF-MW07	1/8/2009	<0.428	<0.391	<0.341	<0.778	<0.404	<0.973	<0.807	<0.444	<0.785	1.031	<1.15	2.63						
USTRF-MW08	USTRF-MW08	1/8/2009	<0.428	<0.391	<0.341	<0.778	<0.404	<0.973	<0.796	<0.438	<0.775	<0.972	<1.13	2.63						
USTRF-MW09	USTRF-MW09	1/8/2009	<0.428	<0.391	<0.341	<0.778	<0.404	<0.973	<0.813	<0.448	<0.791	<0.993	<1.16	8.66						
USTRF-MW10	USTRF-MW10	1/8/2009	12.8	<1.01	75.6	<1.22	<1.25	<21.12	<8.02	<4.41	<7.80	447	<11.4	551.50						
USTRF-MW11	USTRF-MW11	1/7/2009	<0.177	<0.253	<0.19	<0.306	<0.313	<0.886	<0.762	<0.419	<0.741	<0.930	<1.08	11.75						
USTRF-MW12	USTRF-MW12	1/8/2009	1.5	<0.253	8.67	1.401	<0.313	<3.14	<7.54	<4.15	<7.34	178	<10.7	534.90						
USTRF-MW13	USTRF-MW13	1/7/2009	<0.177	<0.253	<0.19	<0.306	<0.313	<0.886	<0.753	0.6071	<0.733	<0.920	3.131	349.61						
USTRF-MW14	USTRF-MW14	1/7/2009	<0.177	<0.253	<0.19	<0.306	<0.313	<0.886	<0.756	<0.416	<0.736	<0.924	<1.08	10.34						
USTRF-MW15	USTRF-MW15	1/7/2009	<0.177	<0.253	<0.19	<0.306	<0.313	<0.886	<0.751	<0.413	<0.731	<0.917	<1.07	3.58						
USTRF-MW17	USTRF-MW17	1/8/2009	4.52	<0.253	9.67	1.551	<0.313	<0.9801	<7.67	265	<7.47	193	<10.9	598.20						
USTRF-MW21	USTRF-MW21	1/12/2009	<0.177	<0.253	0.6391	<0.306	<0.313	<0.886	<0.746	<0.410	<0.726	<0.911	<1.06	0.00						
USTRF-MW22	USTRF-MW22	1/9/2009	<0.428	<0.391	8.86	<0.778	0.4251	11.79	<0.747	0.4511	<0.727	30.4	<1.06	234.77						
USTRF-MW23	USTRF-MW23	1/12/2009	<0.177	<0.253	2.52	<0.306	<0.313	<1.0711	1.391	<0.423	0.8261	55.2	<1.09	126.57						
USTRF-MW03G	USTRF-MW03G	1/8/2009	<0.177	<0.253	<0.19	<0.306	<0.313	<0.886	<0.794	14.1	<0.773	<0.970	<1.13	3.68						
USTRF-MW04G	USTRF-MW04G	1/13/2009	<0.177	<0.253	<0.19	<0.306	<0.313	<0.886	<0.829	<0.456	<0.806	<1.01	<1.18	24.16						
USTRF-MW05G	USTRF-MW05G	1/13/2009	<0.177	<0.253	<0.19	<0.306	<0.313	<1.3781	<0.751	0.9071	<0.731	36.8	<1.07	2.72						
USTRF-MW06G	USTRF-MW06G	1/8/2009	<0.428	<0.391	<0.341	<0.778	<0.404	<0.973	<0.778	15.4	<0.767	<0.963	<1.12	2.80						
USTAS497-MW01	USTAS497-MW01	1/8/2009	<0.177	<0.253	<0.19	<0.306	<0.313	<0.886	<0.756	<0.416	<0.736	<0.924	<1.08	5.36						
USTAS497-MW02	USTAS497-MW02	1/8/2009	<0.177	<0.253	<0.19	<0.306	<0.313	<0.886	<0.758	<0.417	<0.738	<0.926	<1.08	4.90						
USTAS497-MW03	USTAS497-MW03	1/7/2009	<0.177	<0.253	<0.19	<0.306	<0.313	<0.886	<0.772	0.5701	<0.751	<0.953	<1.10	6.05						
USTAS497-MW04	USTAS497-MW04	1/8/2009	<0.177	<0.253	<0.19	<0.306	<0.313	<0.886	<0.750	0.4531	<0.730	<0.916	<1.07	8.21						
USTAS497-MW06	USTAS497-MW06	1/7/2009	<0.177	<0.253	<0.19	<0.306	<0.313	<0.886	<0.751	<0.413	<0.731	<0.917	<1.07	12.07						
USTAS511-MW01	USTAS511-MW01	1/9/2009	<0.428	<0.391	<0.341	<0.778	<0.404	<0.973	<0.754	<0.415	<0.734	<0.921	<1.07	30.44						
USTAS511-MW02	USTAS511-MW02	1/9/2009	<0.428	<0.391	<0.341	<0.778	<0.404	<0.973	<0.776	<0.421	<0.745	<0.935	<1.09	3.32						
USTAS511-MW03	USTAS511-MW03	1/9/2009	<0.428	<0.391	<0.341	<0.778	<0.404	<0.973	<0.782	<0.430	<0.761	<0.955	<1.11	6.98						
USTAS511-MW04	USTAS511-MW04	1/9/2009	<0.428	<0.391	<0.341	<0.778	<0.404	<0.973	<0.793	<0.724	<0.772	<0.969	<1.13	4.01						
USTAS511-MW05	USTAS511-MW05	1/9/2009	<0.428	<0.391	<0.341	<0.778	<0.404	<0.973	<0.753	<0.415	<0.733	<0.920	<1.07	3.75						
USTAS511-MW06	USTAS511-MW06	1/9/2009	<0.428	<0.391	<0.341	<0.778	<0.404	<0.973	<0.769	0.5161	<0.748	<0.939	<1.09	3.37						
USTAS511-MW07	USTAS511-MW07	1/9/2009	<0.428	<0.391	<0.341	<0.778	<0.404	<0.973	<0.792	<0.436	<0.770	<0.967	<1.13	2.99						
USTAS511-MW08	USTAS511-MW08	1/9/2009	<0.428	<0.391	<0.341	<0.778	<0.404	<0.973	<0.800	0.6441	<0.779	<0.977	<1.14	2.86						
USTAS527-DW02	USTAS527-DW02	1/14/2009	3.63	<0.391	49.7	<0.778	0.5271	34.92	<0.758	0.5091	<0.738	166	<1.08	378.69						
USTAS527-DW05	USTAS527-DW05	1/14/2009	<0.428	<0.391	<0.341	<0.778	<0.404	<0.973	<0.764	<0.421	<0.744	<0.933	<1.09	2.27						
USTAS527-DW06	USTAS527-DW06	1/14/2009	0.5261	<0.391	<0.341	<0.778	<0.404	<0.973	<0.754	<0.415	<0.734	<0.921	<1.07	11.86						
USTAS527-MW03	USTAS527-MW03	1/13/2009	<0.177	<0.253	<0.19	<0.306	<0.313	<0.886	<0.769	<0.423	<0.748	<0.939	<1.09	10.76						
USTAS527-MW04	USTAS527-MW04	1/12/2009	<0.177	<0.253	<0.19	<0.306	<0.313	<0.886	<0.762	<0.419	<0.741	<0.930	<1.08	0.00						
USTAS527-MW09	USTAS527-MW09	1/13/2009	<0.177	<0.253	<0.19	<0.306	<0.313	<0.886	<0.767	<0.422	<0.747	<0.937	<1.09	0.00						
USTAS527-MW10	USTAS527-MW10	1/9/2009	2.33	<0.253	13.3	2.93	<0.313	1.761	<0.809	<0.445	<0.787	144	<1.15	403.43						
USTAS527-MW12	USTAS527-MW12	1/9/2009	<0.177	<0.253	<0.19	<0.306	<0.313	<0.886	<0.794	<0.437	<0.773	5.54	<1.13	43.32						
USTAS527-MW13	USTAS527-MW13	1/12/2009	<0.177	<0.253	<0.19	<0.306	<0.313	<0.886	<0.752	<0.414	<0.732	<0.918	<1.07	13.39						
USTAS527-MW16	USTAS527-MW16	1/9/2009	<0.177	<0.253	<0.19	<0.306	<0.313	<0.886	<0.760	<0.418	<0.740	1.171	<1.08	5.75						
USTRF-DUPLICATE1	USTRF-DUPLICATE1	Not Dated	<0.428	<0.391	11.8	<0.778	<0.404	3.2131	<0.798	<0.439	<0.776	131	<1.13	346.71						
USTRF-DUPLICATE2	USTRF-DUPLICATE2	Not Dated	<0.177	<0.253	14.9	<0.306	<0.313	<4.765	<0.805	0.6481	<0.783	138	<1.14	284.98						
USTRF-DUPLICATE3	USTRF-DUPLICATE3	Not Dated	<0.177	<0.253	<0.19	<0.306	<0.313	<0.886	<0.802	0.5381	<0.780	<0.980	<1.14	25.24						
TRIP BLANK	TRIP BLANK	1/9/2009	<0.177	<0.253	<0.19	<0.306	<0.313	<0.886	NA	NA	NA	NA	NA	NA						

All results in micrograms per liter (µg/L).

Bold results indicate concentrations above 2L GWQS.

Bold and shaded results indicate concentrations above the 2L GWQS and GCL.

GCL = Gross Contaminant Level

APPENDIX A

HISTORICAL DATA

TABLE 1
SITE Rapid Refueler
GROUNDWATER LABORATORY ANALYTICAL RESULTS - JULY 2005 TO APRIL 2009
EPA METHOD 602

Contaminant of Concern 											
<u>Well ID</u>	<u>Date</u>	1,2-Dichlorobenzene	1,3-Dichlorobenzene	Dichlorobenzene-1,4	Benzene	Ethylbenzene	Methyl Tert Butyl Ether	Methyl-tert butyl ether	Toluene	Total Xylenes	Xylenes (total)
2L GWQS		24	170	1.4	1	550	200	200	1000	530	530
GCL		72500	61500	39500	5000	550000	200000	200000	257500	87500	87500
USTAS497-MW01	9/27/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS497-MW01	4/18/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS497-MW01	10/24/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS497-MW01	3/19/2007	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS497-MW01	1/29/2008	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS497-MW01	1/8/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL

- Notes:
1. 2L GWQS = North Carolina groundwater quality standard 15A NCAC 2L .0202
 2. GCL = Gross Contamination Levels for ground water as defined in "Guidelines for Assessment and Corrective Action" North Carolina Underground Storage Tank Section, effective July 15, 2008
 3. All units are in ug/L (Micrograms per Liter)
 4. BQL = Below Quantitation Limits
 5. A zero in the 2L GWQS row indicates the 2L Standard is equal to the laboratory detection limit
 6. A zero in the GCL row indicates a GCL has not been established
 7. Shaded concentrations indicate exceedance of the 2L GWQS
 8. Only compounds which were detected are shown on table. All other compounds were BQL
 9. Please note, compounds reported in duplicate columns are the result of multiple laboratories submitting EDD data with different nomenclature. Unless BQL appears in both duplicate columns, a detection is present and that concentration is reported numerically.

TABLE 1
SITE Rapid Refueler
GROUNDWATER LABORATORY ANALYTICAL RESULTS - JULY 2005 TO APRIL 2009
EPA METHOD 602

Contaminant of Concern 											
<u>Well ID</u>	<u>Date</u>	1,2-Dichlorobenzene	1,3-Dichlorobenzene	Dichlorobenzene-1,4	Benzene	Ethylbenzene	Methyl Tert Butyl Ether	Methyl-tert butyl ether	Toluene	Total Xylenes	Xylenes (total)
2L GWQS		24	170	1.4	1	550	200	200	1000	530	530
GCL		72500	61500	39500	5000	550000	200000	200000	257500	87500	87500
USTAS497-MW02	9/27/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS497-MW02	4/18/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS497-MW02	10/25/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.10	BQL	BQL
USTAS497-MW02	3/19/2007	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS497-MW02	1/29/2008	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS497-MW02	1/8/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL

- Notes:
1. 2L GWQS = North Carolina groundwater quality standard 15A NCAC 2L .0202
 2. GCL = Gross Contamination Levels for ground water as defined in "Guidelines for Assessment and Corrective Action" North Carolina Underground Storage Tank Section, effective July 15, 2008
 3. All units are in ug/L (Micrograms per Liter)
 4. BQL = Below Quantitation Limits
 5. A zero in the 2L GWQS row indicates the 2L Standard is equal to the laboratory detection limit
 6. A zero in the GCL row indicates a GCL has not been established
 7. Shaded concentrations indicate exceedance of the 2L GWQS
 8. Only compounds which were detected are shown on table. All other compounds were BQL
 9. Please note, compounds reported in duplicate columns are the result of multiple laboratories submitting EDD data with different nomenclature. Unless BQL appears in both duplicate columns, a detection is present and that concentration is reported numerically.

TABLE 1
SITE Rapid Refueler
GROUNDWATER LABORATORY ANALYTICAL RESULTS - JULY 2005 TO APRIL 2009
EPA METHOD 602

Contaminant of Concern 											
<u>Well ID</u>	<u>Date</u>	1,2-Dichlorobenzene	1,3-Dichlorobenzene	Dichlorobenzene-1,4	Benzene	Ethylbenzene	Methyl Tert Butyl Ether	Methyl-tert butyl ether	Toluene	Total Xylenes	Xylenes (total)
2L GWQS		24	170	1.4	1	550	200	200	1000	530	530
GCL		72500	61500	39500	5000	550000	200000	200000	257500	87500	87500
USTAS497-MW03	9/27/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS497-MW03	4/22/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS497-MW03	10/24/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS497-MW03	3/20/2007	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS497-MW03	1/29/2008	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS497-MW03	1/7/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL

- Notes:
1. 2L GWQS = North Carolina groundwater quality standard 15A NCAC 2L .0202
 2. GCL = Gross Contamination Levels for ground water as defined in "Guidelines for Assessment and Corrective Action" North Carolina Underground Storage Tank Section, effective July 15, 2008
 3. All units are in ug/L (Micrograms per Liter)
 4. BQL = Below Quantitation Limits
 5. A zero in the 2L GWQS row indicates the 2L Standard is equal to the laboratory detection limit
 6. A zero in the GCL row indicates a GCL has not been established
 7. Shaded concentrations indicate exceedance of the 2L GWQS
 8. Only compounds which were detected are shown on table. All other compounds were BQL
 9. Please note, compounds reported in duplicate columns are the result of multiple laboratories submitting EDD data with different nomenclature. Unless BQL appears in both duplicate columns, a detection is present and that concentration is reported numerically.

TABLE 1
SITE Rapid Refueler
GROUNDWATER LABORATORY ANALYTICAL RESULTS - JULY 2005 TO APRIL 2009
EPA METHOD 602

Contaminant of Concern 											
<u>Well ID</u>	<u>Date</u>	1,2-Dichlorobenzene	1,3-Dichlorobenzene	Dichlorobenzene-1,4	Benzene	Ethylbenzene	Methyl Tert Butyl Ether	Methyl-tert butyl ether	Toluene	Total Xylenes	Xylenes (total)
2L GWQS		24	170	1.4	1	550	200	200	1000	530	530
GCL		72500	61500	39500	5000	550000	200000	200000	257500	87500	87500
USTAS497-MW04	9/27/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS497-MW04	4/22/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS497-MW04	10/24/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS497-MW04	3/19/2007	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS497-MW04	1/29/2008	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS497-MW04	1/8/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL

- Notes:
1. 2L GWQS = North Carolina groundwater quality standard 15A NCAC 2L .0202
 2. GCL = Gross Contamination Levels for ground water as defined in "Guidelines for Assessment and Corrective Action" North Carolina Underground Storage Tank Section, effective July 15, 2008
 3. All units are in ug/L (Micrograms per Liter)
 4. BQL = Below Quantitation Limits
 5. A zero in the 2L GWQS row indicates the 2L Standard is equal to the laboratory detection limit
 6. A zero in the GCL row indicates a GCL has not been established
 7. Shaded concentrations indicate exceedance of the 2L GWQS
 8. Only compounds which were detected are shown on table. All other compounds were BQL
 9. Please note, compounds reported in duplicate columns are the result of multiple laboratories submitting EDD data with different nomenclature. Unless BQL appears in both duplicate columns, a detection is present and that concentration is reported numerically.

TABLE 1
SITE Rapid Refueler
GROUNDWATER LABORATORY ANALYTICAL RESULTS - JULY 2005 TO APRIL 2009
EPA METHOD 602

Contaminant of Concern 											
<u>Well ID</u>	<u>Date</u>	1,2-Dichlorobenzene	1,3-Dichlorobenzene	Dichlorobenzene-1,4	Benzene	Ethylbenzene	Methyl Tert Butyl Ether	Methyl-tert butyl ether	Toluene	Total Xylenes	Xylenes (total)
2L GWQS		24	170	1.4	1	550	200	200	1000	530	530
GCL		72500	61500	39500	5000	550000	200000	200000	257500	87500	87500
USTAS497-MW06	9/27/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS497-MW06	4/18/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS497-MW06	10/24/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	0.76	BQL	BQL
USTAS497-MW06	3/19/2007	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS497-MW06	1/29/2008	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS497-MW06	1/7/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL

- Notes:
1. 2L GWQS = North Carolina groundwater quality standard 15A NCAC 2L .0202
 2. GCL = Gross Contamination Levels for ground water as defined in "Guidelines for Assessment and Corrective Action" North Carolina Underground Storage Tank Section, effective July 15, 2008
 3. All units are in ug/L (Micrograms per Liter)
 4. BQL = Below Quantitation Limits
 5. A zero in the 2L GWQS row indicates the 2L Standard is equal to the laboratory detection limit
 6. A zero in the GCL row indicates a GCL has not been established
 7. Shaded concentrations indicate exceedance of the 2L GWQS
 8. Only compounds which were detected are shown on table. All other compounds were BQL
 9. Please note, compounds reported in duplicate columns are the result of multiple laboratories submitting EDD data with different nomenclature. Unless BQL appears in both duplicate columns, a detection is present and that concentration is reported numerically.

TABLE 1
SITE Rapid Refueler
GROUNDWATER LABORATORY ANALYTICAL RESULTS - JULY 2005 TO APRIL 2009
EPA METHOD 602

Contaminant of Concern 											
<u>Well ID</u>	<u>Date</u>	1,2-Dichlorobenzene	1,3-Dichlorobenzene	Dichlorobenzene-1,4	Benzene	Ethylbenzene	Methyl Tert Butyl Ether	Methyl-tert butyl ether	Toluene	Total Xylenes	Xylenes (total)
2L GWQS		24	170	1.4	1	550	200	200	1000	530	530
GCL		72500	61500	39500	5000	550000	200000	200000	257500	87500	87500
USTAS511-MW01	9/29/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS511-MW01	4/19/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS511-MW01	10/27/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS511-MW01	3/27/2007	0.97	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS511-MW01	1/21/2008	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS511-MW01	1/9/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL

- Notes:
1. 2L GWQS = North Carolina groundwater quality standard 15A NCAC 2L .0202
 2. GCL = Gross Contamination Levels for ground water as defined in "Guidelines for Assessment and Corrective Action" North Carolina Underground Storage Tank Section, effective July 15, 2008
 3. All units are in ug/L (Micrograms per Liter)
 4. BQL = Below Quantitation Limits
 5. A zero in the 2L GWQS row indicates the 2L Standard is equal to the laboratory detection limit
 6. A zero in the GCL row indicates a GCL has not been established
 7. Shaded concentrations indicate exceedance of the 2L GWQS
 8. Only compounds which were detected are shown on table. All other compounds were BQL
 9. Please note, compounds reported in duplicate columns are the result of multiple laboratories submitting EDD data with different nomenclature. Unless BQL appears in both duplicate columns, a detection is present and that concentration is reported numerically.

TABLE 1
SITE Rapid Refueler
GROUNDWATER LABORATORY ANALYTICAL RESULTS - JULY 2005 TO APRIL 2009
EPA METHOD 602

Contaminant of Concern 											
<u>Well ID</u>	<u>Date</u>	1,2-Dichlorobenzene	1,3-Dichlorobenzene	Dichlorobenzene-1,4	Benzene	Ethylbenzene	Methyl Tert Butyl Ether	Methyl-tert butyl ether	Toluene	Total Xylenes	Xylenes (total)
2L GWQS		24	170	1.4	1	550	200	200	1000	530	530
GCL		72500	61500	39500	5000	550000	200000	200000	257500	87500	87500
USTAS511-MW02	9/29/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS511-MW02	4/19/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS511-MW02	10/27/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS511-MW02	3/27/2007	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS511-MW02	1/29/2008	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS511-MW02	1/9/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL

- Notes:
1. 2L GWQS = North Carolina groundwater quality standard 15A NCAC 2L .0202
 2. GCL = Gross Contamination Levels for ground water as defined in "Guidelines for Assessment and Corrective Action" North Carolina Underground Storage Tank Section, effective July 15, 2008
 3. All units are in ug/L (Micrograms per Liter)
 4. BQL = Below Quantitation Limits
 5. A zero in the 2L GWQS row indicates the 2L Standard is equal to the laboratory detection limit
 6. A zero in the GCL row indicates a GCL has not been established
 7. Shaded concentrations indicate exceedance of the 2L GWQS
 8. Only compounds which were detected are shown on table. All other compounds were BQL
 9. Please note, compounds reported in duplicate columns are the result of multiple laboratories submitting EDD data with different nomenclature. Unless BQL appears in both duplicate columns, a detection is present and that concentration is reported numerically.

TABLE 1
SITE Rapid Refueler
GROUNDWATER LABORATORY ANALYTICAL RESULTS - JULY 2005 TO APRIL 2009
EPA METHOD 602

Contaminant of Concern 											
<u>Well ID</u>	<u>Date</u>	1,2-Dichlorobenzene	1,3-Dichlorobenzene	Dichlorobenzene-1,4	Benzene	Ethylbenzene	Methyl Tert Butyl Ether	Methyl-tert butyl ether	Toluene	Total Xylenes	Xylenes (total)
2L GWQS		24	170	1.4	1	550	200	200	1000	530	530
GCL		72500	61500	39500	5000	550000	200000	200000	257500	87500	87500
USTAS511-MW03	9/27/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS511-MW03	4/17/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS511-MW03	10/26/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS511-MW03	3/26/2007	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS511-MW03	1/30/2008	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS511-MW03	1/9/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL

- Notes:
1. 2L GWQS = North Carolina groundwater quality standard 15A NCAC 2L .0202
 2. GCL = Gross Contamination Levels for ground water as defined in "Guidelines for Assessment and Corrective Action" North Carolina Underground Storage Tank Section, effective July 15, 2008
 3. All units are in ug/L (Micrograms per Liter)
 4. BQL = Below Quantitation Limits
 5. A zero in the 2L GWQS row indicates the 2L Standard is equal to the laboratory detection limit
 6. A zero in the GCL row indicates a GCL has not been established
 7. Shaded concentrations indicate exceedance of the 2L GWQS
 8. Only compounds which were detected are shown on table. All other compounds were BQL
 9. Please note, compounds reported in duplicate columns are the result of multiple laboratories submitting EDD data with different nomenclature. Unless BQL appears in both duplicate columns, a detection is present and that concentration is reported numerically.

TABLE 1
SITE Rapid Refueler
GROUNDWATER LABORATORY ANALYTICAL RESULTS - JULY 2005 TO APRIL 2009
EPA METHOD 602

Contaminant of Concern 											
<u>Well ID</u>	<u>Date</u>	1,2-Dichlorobenzene	1,3-Dichlorobenzene	Dichlorobenzene-1,4	Benzene	Ethylbenzene	Methyl Tert Butyl Ether	Methyl-tert butyl ether	Toluene	Total Xylenes	Xylenes (total)
2L GWQS		24	170	1.4	1	550	200	200	1000	530	530
GCL		72500	61500	39500	5000	550000	200000	200000	257500	87500	87500
USTAS511-MW04	9/27/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS511-MW04	4/22/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS511-MW04	10/26/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS511-MW04	3/26/2007	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS511-MW04	1/24/2008	BQL	BQL	BQL	BQL	1.40	BQL	BQL	BQL	BQL	1.00
USTAS511-MW04	1/9/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL

- Notes:
1. 2L GWQS = North Carolina groundwater quality standard 15A NCAC 2L .0202
 2. GCL = Gross Contamination Levels for ground water as defined in "Guidelines for Assessment and Corrective Action" North Carolina Underground Storage Tank Section, effective July 15, 2008
 3. All units are in ug/L (Micrograms per Liter)
 4. BQL = Below Quantitation Limits
 5. A zero in the 2L GWQS row indicates the 2L Standard is equal to the laboratory detection limit
 6. A zero in the GCL row indicates a GCL has not been established
 7. Shaded concentrations indicate exceedance of the 2L GWQS
 8. Only compounds which were detected are shown on table. All other compounds were BQL
 9. Please note, compounds reported in duplicate columns are the result of multiple laboratories submitting EDD data with different nomenclature. Unless BQL appears in both duplicate columns, a detection is present and that concentration is reported numerically.

TABLE 1
SITE Rapid Refueler
GROUNDWATER LABORATORY ANALYTICAL RESULTS - JULY 2005 TO APRIL 2009
EPA METHOD 602

Contaminant of Concern 											
<u>Well ID</u>	<u>Date</u>	1,2-Dichlorobenzene	1,3-Dichlorobenzene	Dichlorobenzene-1,4	Benzene	Ethylbenzene	Methyl Tert Butyl Ether	Methyl-tert butyl ether	Toluene	Total Xylenes	Xylenes (total)
2L GWQS		24	170	1.4	1	550	200	200	1000	530	530
GCL		72500	61500	39500	5000	550000	200000	200000	257500	87500	87500
USTAS511-MW05	9/29/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS511-MW05	4/17/2006	BQL	BQL	BQL	0.69	BQL	BQL	BQL	BQL	BQL	BQL
USTAS511-MW05	10/27/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS511-MW05	3/27/2007	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS511-MW05	1/21/2008	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS511-MW05	1/9/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL

- Notes: 1. 2L GWQS = North Carolina groundwater quality standard 15A NCAC 2L .0202
2. GCL = Gross Contamination Levels for ground water as defined in "Guidelines for Assessment and Corrective Action" North Carolina Underground Storage Tank Section, effective July 15, 2008
3. All units are in ug/L (Micrograms per Liter)
4. BQL = Below Quantitation Limits
5. A zero in the 2L GWQS row indicates the 2L Standard is equal to the laboratory detection limit
6. A zero in the GCL row indicates a GCL has not been established
7. Shaded concentrations indicate exceedance of the 2L GWQS
8. Only compounds which were detected are shown on table. All other compounds were BQL
9. Please note, compounds reported in duplicate columns are the result of multiple laboratories submitting EDD data with different nomenclature. Unless BQL appears in both duplicate columns, a detection is present and that concentration is reported numerically.

TABLE 1
SITE Rapid Refueler
GROUNDWATER LABORATORY ANALYTICAL RESULTS - JULY 2005 TO APRIL 2009
EPA METHOD 602

Contaminant of Concern 											
<u>Well ID</u>	<u>Date</u>	1,2-Dichlorobenzene	1,3-Dichlorobenzene	Dichlorobenzene-1,4	Benzene	Ethylbenzene	Methyl Tert Butyl Ether	Methyl-tert butyl ether	Toluene	Total Xylenes	Xylenes (total)
2L GWQS		24	170	1.4	1	550	200	200	1000	530	530
GCL		72500	61500	39500	5000	550000	200000	200000	257500	87500	87500
USTAS511-MW06	9/29/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS511-MW06	4/17/2006	BQL	BQL	BQL	0.71	BQL	BQL	BQL	BQL	BQL	BQL
USTAS511-MW06	10/27/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS511-MW06	3/27/2007	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS511-MW06	1/29/2008	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS511-MW06	1/9/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL

- Notes:
1. 2L GWQS = North Carolina groundwater quality standard 15A NCAC 2L .0202
 2. GCL = Gross Contamination Levels for ground water as defined in "Guidelines for Assessment and Corrective Action" North Carolina Underground Storage Tank Section, effective July 15, 2008
 3. All units are in ug/L (Micrograms per Liter)
 4. BQL = Below Quantitation Limits
 5. A zero in the 2L GWQS row indicates the 2L Standard is equal to the laboratory detection limit
 6. A zero in the GCL row indicates a GCL has not been established
 7. Shaded concentrations indicate exceedance of the 2L GWQS
 8. Only compounds which were detected are shown on table. All other compounds were BQL
 9. Please note, compounds reported in duplicate columns are the result of multiple laboratories submitting EDD data with different nomenclature. Unless BQL appears in both duplicate columns, a detection is present and that concentration is reported numerically.

TABLE 1
SITE Rapid Refueler
GROUNDWATER LABORATORY ANALYTICAL RESULTS - JULY 2005 TO APRIL 2009
EPA METHOD 602

Contaminant of Concern 											
<u>Well ID</u>	<u>Date</u>	1,2-Dichlorobenzene	1,3-Dichlorobenzene	Dichlorobenzene-1,4	Benzene	Ethylbenzene	Methyl Tert Butyl Ether	Methyl-tert butyl ether	Toluene	Total Xylenes	Xylenes (total)
2L GWQS		24	170	1.4	1	550	200	200	1000	530	530
GCL		72500	61500	39500	5000	550000	200000	200000	257500	87500	87500
USTAS511-MW07	9/27/2005	0.54	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS511-MW07	4/17/2006	BQL	BQL	BQL	0.75	0.99	BQL	BQL	3.00	BQL	5.30
USTAS511-MW07	10/26/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS511-MW07	3/26/2007	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS511-MW07	1/30/2008	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS511-MW07	1/9/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL

- Notes:
1. 2L GWQS = North Carolina groundwater quality standard 15A NCAC 2L .0202
 2. GCL = Gross Contamination Levels for ground water as defined in "Guidelines for Assessment and Corrective Action" North Carolina Underground Storage Tank Section, effective July 15, 2008
 3. All units are in ug/L (Micrograms per Liter)
 4. BQL = Below Quantitation Limits
 5. A zero in the 2L GWQS row indicates the 2L Standard is equal to the laboratory detection limit
 6. A zero in the GCL row indicates a GCL has not been established
 7. Shaded concentrations indicate exceedance of the 2L GWQS
 8. Only compounds which were detected are shown on table. All other compounds were BQL
 9. Please note, compounds reported in duplicate columns are the result of multiple laboratories submitting EDD data with different nomenclature. Unless BQL appears in both duplicate columns, a detection is present and that concentration is reported numerically.

TABLE 1
SITE Rapid Refueler
GROUNDWATER LABORATORY ANALYTICAL RESULTS - JULY 2005 TO APRIL 2009
EPA METHOD 602

Contaminant of Concern 											
Well ID	Date	1,2-Dichlorobenzene	1,3-Dichlorobenzene	Dichlorobenzene-1,4	Benzene	Ethylbenzene	Methyl Tert Butyl Ether	Methyl-tert butyl ether	Toluene	Total Xylenes	Xylenes (total)
2L GWQS		24	170	1.4	1	550	200	200	1000	530	530
GCL		72500	61500	39500	5000	550000	200000	200000	257500	87500	87500
USTAS511-MW08	9/27/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS511-MW08	4/22/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS511-MW08	10/26/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS511-MW08	3/26/2007	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS511-MW08	1/30/2008	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS511-MW08	1/9/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS522-MW03	9/29/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.10	BQL	BQL
USTAS522-MW04	9/29/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS522-MW04	10/31/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL

- Notes:
1. 2L GWQS = North Carolina groundwater quality standard 15A NCAC 2L .0202
 2. GCL = Gross Contamination Levels for ground water as defined in "Guidelines for Assessment and Corrective Action" North Carolina Underground Storage Tank Section, effective July 15, 2008
 3. All units are in ug/L (Micrograms per Liter)
 4. BQL = Below Quantitation Limits
 5. A zero in the 2L GWQS row indicates the 2L Standard is equal to the laboratory detection limit
 6. A zero in the GCL row indicates a GCL has not been established
 7. Shaded concentrations indicate exceedance of the 2L GWQS
 8. Only compounds which were detected are shown on table. All other compounds were BQL
 9. Please note, compounds reported in duplicate columns are the result of multiple laboratories submitting EDD data with different nomenclature. Unless BQL appears in both duplicate columns, a detection is present and that concentration is reported numerically.

TABLE 1
SITE Rapid Refueler
GROUNDWATER LABORATORY ANALYTICAL RESULTS - JULY 2005 TO APRIL 2009
EPA METHOD 602

Contaminant of Concern 											
Well ID	Date	1,2-Dichlorobenzene	1,3-Dichlorobenzene	Dichlorobenzene-1,4	Benzene	Ethylbenzene	Methyl Tert Butyl Ether	Methyl-tert butyl ether	Toluene	Total Xylenes	Xylenes (total)
2L GWQS		24	170	1.4	1	550	200	200	1000	530	530
GCL		72500	61500	39500	5000	550000	200000	200000	257500	87500	87500
USTAS522-MW08	9/27/2005	40.00	BQL	BQL	13.80	59.40	BQL	BQL	42.10	BQL	262.00
USTAS522-MW10	9/29/2005	BQL	BQL	BQL	BQL	3.70	BQL	BQL	BQL	BQL	3.10
USTAS522-MW12	9/27/2005	BQL	BQL	BQL	2.40	6.90	1.10	BQL	BQL	BQL	7.10
USTAS522-MW12	10/26/2006	BQL	BQL	BQL	3.20	15.40	2.10	BQL	BQL	5.50	BQL
USTAS527-DW02	9/29/2005	BQL	BQL	BQL	7.00	61.20	BQL	BQL	0.75	BQL	41.20
USTAS527-DW02	3/28/2007	BQL	BQL	BQL	8.20	79.80	BQL	BQL	0.80	33.30	BQL
USTAS527-DW02	1/24/2008	BQL	BQL	BQL	8.40	93.80	BQL	BQL	1.10	BQL	59.20
USTAS527-DW02	1/14/2009	BQL	BQL	BQL	3.63	49.70	BQL	BQL	BQL	33.84	BQL
USTAS527-DW05	1/14/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL

- Notes:
1. 2L GWQS = North Carolina groundwater quality standard 15A NCAC 2L .0202
 2. GCL = Gross Contamination Levels for ground water as defined in "Guidelines for Assessment and Corrective Action" North Carolina Underground Storage Tank Section, effective July 15, 2008
 3. All units are in ug/L (Micrograms per Liter)
 4. BQL = Below Quantitation Limits
 5. A zero in the 2L GWQS row indicates the 2L Standard is equal to the laboratory detection limit
 6. A zero in the GCL row indicates a GCL has not been established
 7. Shaded concentrations indicate exceedance of the 2L GWQS
 8. Only compounds which were detected are shown on table. All other compounds were BQL
 9. Please note, compounds reported in duplicate columns are the result of multiple laboratories submitting EDD data with different nomenclature. Unless BQL appears in both duplicate columns, a detection is present and that concentration is reported numerically.

TABLE 1
SITE Rapid Refueler
GROUNDWATER LABORATORY ANALYTICAL RESULTS - JULY 2005 TO APRIL 2009
EPA METHOD 602

Contaminant of Concern →											
Well ID	Date	1,2-Dichlorobenzene	1,3-Dichlorobenzene	Dichlorobenzene-1,4	Benzene	Ethylbenzene	Methyl Tert Butyl Ether	Methyl-tert butyl ether	Toluene	Total Xylenes	Xylenes (total)
2L GWQS		24	170	1.4	1	550	200	200	1000	530	530
GCL		72500	61500	39500	5000	550000	200000	200000	257500	87500	87500
USTAS527-DW06	9/27/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS527-DW06	10/30/2006	BQL	BQL	BQL	0.66	BQL	BQL	BQL	BQL	BQL	BQL
USTAS527-DW06	3/28/2007	BQL	BQL	BQL	0.79	BQL	BQL	BQL	BQL	BQL	BQL
USTAS527-DW06	1/30/2008	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS527-DW06	1/14/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS527-MW02	4/17/2006	BQL	BQL	BQL	4.20	40.20	BQL	BQL	BQL	BQL	10.30
USTAS527-MW03	4/17/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	0.54	BQL	BQL
USTAS527-MW03	3/28/2007	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS527-MW03	1/24/2008	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS527-MW03	1/13/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL

- Notes:
1. 2L GWQS = North Carolina groundwater quality standard 15A NCAC 2L .0202
 2. GCL = Gross Contamination Levels for ground water as defined in "Guidelines for Assessment and Corrective Action" North Carolina Underground Storage Tank Section, effective July 15, 2008
 3. All units are in ug/L (Micrograms per Liter)
 4. BQL = Below Quantitation Limits
 5. A zero in the 2L GWQS row indicates the 2L Standard is equal to the laboratory detection limit
 6. A zero in the GCL row indicates a GCL has not been established
 7. Shaded concentrations indicate exceedance of the 2L GWQS
 8. Only compounds which were detected are shown on table. All other compounds were BQL
 9. Please note, compounds reported in duplicate columns are the result of multiple laboratories submitting EDD data with different nomenclature. Unless BQL appears in both duplicate columns, a detection is present and that concentration is reported numerically.

TABLE 1
SITE Rapid Refueler
GROUNDWATER LABORATORY ANALYTICAL RESULTS - JULY 2005 TO APRIL 2009
EPA METHOD 602

Contaminant of Concern 											
Well ID	Date	1,2-Dichlorobenzene	1,3-Dichlorobenzene	Dichlorobenzene-1,4	Benzene	Ethylbenzene	Methyl Tert Butyl Ether	Methyl-tert butyl ether	Toluene	Total Xylenes	Xylenes (total)
2L GWQS		24	170	1.4	1	550	200	200	1000	530	530
GCL		72500	61500	39500	5000	550000	200000	200000	257500	87500	87500
USTAS527-MW04	4/17/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS527-MW04	3/28/2007	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS527-MW04	1/12/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS527-MW06	4/22/2006	BQL	BQL	BQL	0.64	BQL	BQL	BQL	BQL	BQL	BQL
USTAS527-MW09	1/13/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS527-MW10	4/19/2006	BQL	BQL	BQL	BQL	6.70	BQL	BQL	1.10	BQL	5.50
USTAS527-MW10	3/27/2007	13.70	BQL	BQL	BQL	9.10	BQL	BQL	1.40	5.50	BQL
USTAS527-MW10	1/21/2008	BQL	BQL	BQL	BQL	15.70	BQL	BQL	BQL	BQL	13.90
USTAS527-MW10	1/9/2009	BQL	BQL	BQL	2.33	13.30	BQL	2.93	BQL	BQL	BQL

- Notes:
1. 2L GWQS = North Carolina groundwater quality standard 15A NCAC 2L .0202
 2. GCL = Gross Contamination Levels for ground water as defined in "Guidelines for Assessment and Corrective Action" North Carolina Underground Storage Tank Section, effective July 15, 2008
 3. All units are in ug/L (Micrograms per Liter)
 4. BQL = Below Quantitation Limits
 5. A zero in the 2L GWQS row indicates the 2L Standard is equal to the laboratory detection limit
 6. A zero in the GCL row indicates a GCL has not been established
 7. Shaded concentrations indicate exceedance of the 2L GWQS
 8. Only compounds which were detected are shown on table. All other compounds were BQL
 9. Please note, compounds reported in duplicate columns are the result of multiple laboratories submitting EDD data with different nomenclature. Unless BQL appears in both duplicate columns, a detection is present and that concentration is reported numerically.

TABLE 1
SITE Rapid Refueler
GROUNDWATER LABORATORY ANALYTICAL RESULTS - JULY 2005 TO APRIL 2009
EPA METHOD 602

Contaminant of Concern →											
Well ID	Date	1,2-Dichlorobenzene	1,3-Dichlorobenzene	Dichlorobenzene-1,4	Benzene	Ethylbenzene	Methyl Tert Butyl Ether	Methyl-tert butyl ether	Toluene	Total Xylenes	Xylenes (total)
2L GWQS		24	170	1.4	1	550	200	200	1000	530	530
GCL		72500	61500	39500	5000	550000	200000	200000	257500	87500	87500
USTAS527-MW12	4/22/2006	BQL	BQL	BQL	3.30	15.70	1.40	BQL	BQL	BQL	10.10
USTAS527-MW12	3/26/2007	BQL	BQL	BQL	3.80	18.60	3.10	BQL	BQL	6.70	BQL
USTAS527-MW12	1/9/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS527-MW13	1/12/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW01	1/7/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW02	9/27/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW02	4/22/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW02	3/21/2007	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW02	1/7/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL

- Notes:
1. 2L GWQS = North Carolina groundwater quality standard 15A NCAC 2L .0202
 2. GCL = Gross Contamination Levels for ground water as defined in "Guidelines for Assessment and Corrective Action" North Carolina Underground Storage Tank Section, effective July 15, 2008
 3. All units are in ug/L (Micrograms per Liter)
 4. BQL = Below Quantitation Limits
 5. A zero in the 2L GWQS row indicates the 2L Standard is equal to the laboratory detection limit
 6. A zero in the GCL row indicates a GCL has not been established
 7. Shaded concentrations indicate exceedance of the 2L GWQS
 8. Only compounds which were detected are shown on table. All other compounds were BQL
 9. Please note, compounds reported in duplicate columns are the result of multiple laboratories submitting EDD data with different nomenclature. Unless BQL appears in both duplicate columns, a detection is present and that concentration is reported numerically.

TABLE 1
SITE Rapid Refueler
GROUNDWATER LABORATORY ANALYTICAL RESULTS - JULY 2005 TO APRIL 2009
EPA METHOD 602

Contaminant of Concern 											
Well ID	Date	1,2-Dichlorobenzene	1,3-Dichlorobenzene	Dichlorobenzene-1,4	Benzene	Ethylbenzene	Methyl Tert Butyl Ether	Methyl-tert butyl ether	Toluene	Total Xylenes	Xylenes (total)
2L GWQS		24	170	1.4	1	550	200	200	1000	530	530
GCL		72500	61500	39500	5000	550000	200000	200000	257500	87500	87500
USTRF-MW03	9/27/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW03	4/22/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW03	3/21/2007	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW03	1/7/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW03G	9/28/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW03G	4/18/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW03G	10/30/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW03G	3/22/2007	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW03G	1/8/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW04	1/7/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL

- Notes:
1. 2L GWQS = North Carolina groundwater quality standard 15A NCAC 2L .0202
 2. GCL = Gross Contamination Levels for ground water as defined in "Guidelines for Assessment and Corrective Action" North Carolina Underground Storage Tank Section, effective July 15, 2008
 3. All units are in ug/L (Micrograms per Liter)
 4. BQL = Below Quantitation Limits
 5. A zero in the 2L GWQS row indicates the 2L Standard is equal to the laboratory detection limit
 6. A zero in the GCL row indicates a GCL has not been established
 7. Shaded concentrations indicate exceedance of the 2L GWQS
 8. Only compounds which were detected are shown on table. All other compounds were BQL
 9. Please note, compounds reported in duplicate columns are the result of multiple laboratories submitting EDD data with different nomenclature. Unless BQL appears in both duplicate columns, a detection is present and that concentration is reported numerically.

TABLE 1
SITE Rapid Refueler
GROUNDWATER LABORATORY ANALYTICAL RESULTS - JULY 2005 TO APRIL 2009
EPA METHOD 602

Contaminant of Concern 											
<u>Well ID</u>	<u>Date</u>	1,2-Dichlorobenzene	1,3-Dichlorobenzene	Dichlorobenzene-1,4	Benzene	Ethylbenzene	Methyl Tert Butyl Ether	Methyl-tert butyl ether	Toluene	Total Xylenes	Xylenes (total)
2L GWQS		24	170	1.4	1	550	200	200	1000	530	530
GCL		72500	61500	39500	5000	550000	200000	200000	257500	87500	87500
USTRF-MW04G	9/29/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW04G	4/18/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW04G	10/31/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW04G	3/22/2007	1.20	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW04G	1/13/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL

- Notes: 1. 2L GWQS = North Carolina groundwater quality standard 15A NCAC 2L .0202
2. GCL = Gross Contamination Levels for ground water as defined in "Guidelines for Assessment and Corrective Action" North Carolina Underground Storage Tank Section, effective July 15, 2008
3. All units are in ug/L (Micrograms per Liter)
4. BQL = Below Quantitation Limits
5. A zero in the 2L GWQS row indicates the 2L Standard is equal to the laboratory detection limit
6. A zero in the GCL row indicates a GCL has not been established
7. Shaded concentrations indicate exceedance of the 2L GWQS
8. Only compounds which were detected are shown on table. All other compounds were BQL
9. Please note, compounds reported in duplicate columns are the result of multiple laboratories submitting EDD data with different nomenclature. Unless BQL appears in both duplicate columns, a detection is present and that concentration is reported numerically.

TABLE 1
SITE Rapid Refueler
GROUNDWATER LABORATORY ANALYTICAL RESULTS - JULY 2005 TO APRIL 2009
EPA METHOD 602

Contaminant of Concern 											
Well ID	Date	1,2-Dichlorobenzene	1,3-Dichlorobenzene	Dichlorobenzene-1,4	Benzene	Ethylbenzene	Methyl Tert Butyl Ether	Methyl-tert butyl ether	Toluene	Total Xylenes	Xylenes (total)
2L GWQS		24	170	1.4	1	550	200	200	1000	530	530
GCL		72500	61500	39500	5000	550000	200000	200000	257500	87500	87500
USTRF-MW05	9/27/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW05	4/22/2006	BQL	BQL	BQL	BQL	2.40	BQL	BQL	BQL	BQL	BQL
USTRF-MW05	10/30/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW05	3/20/2007	0.69	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW05	1/25/2008	BQL	BQL	BQL	0.56	2.50	BQL	BQL	BQL	BQL	BQL
USTRF-MW05	1/8/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW05G	1/13/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL

- Notes:
1. 2L GWQS = North Carolina groundwater quality standard 15A NCAC 2L .0202
 2. GCL = Gross Contamination Levels for ground water as defined in "Guidelines for Assessment and Corrective Action" North Carolina Underground Storage Tank Section, effective July 15, 2008
 3. All units are in ug/L (Micrograms per Liter)
 4. BQL = Below Quantitation Limits
 5. A zero in the 2L GWQS row indicates the 2L Standard is equal to the laboratory detection limit
 6. A zero in the GCL row indicates a GCL has not been established
 7. Shaded concentrations indicate exceedance of the 2L GWQS
 8. Only compounds which were detected are shown on table. All other compounds were BQL
 9. Please note, compounds reported in duplicate columns are the result of multiple laboratories submitting EDD data with different nomenclature. Unless BQL appears in both duplicate columns, a detection is present and that concentration is reported numerically.

TABLE 1
SITE Rapid Refueler
GROUNDWATER LABORATORY ANALYTICAL RESULTS - JULY 2005 TO APRIL 2009
EPA METHOD 602

Contaminant of Concern 											
<u>Well ID</u>	<u>Date</u>	1,2-Dichlorobenzene	1,3-Dichlorobenzene	Dichlorobenzene-1,4	Benzene	Ethylbenzene	Methyl Tert Butyl Ether	Methyl-tert butyl ether	Toluene	Total Xylenes	Xylenes (total)
2L GWQS		24	170	1.4	1	550	200	200	1000	530	530
GCL		72500	61500	39500	5000	550000	200000	200000	257500	87500	87500
USTRF-MW06	9/28/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW06	4/19/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW06	3/22/2007	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW06	1/30/2008	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW06	1/8/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL

- Notes:
1. 2L GWQS = North Carolina groundwater quality standard 15A NCAC 2L .0202
 2. GCL = Gross Contamination Levels for ground water as defined in "Guidelines for Assessment and Corrective Action" North Carolina Underground Storage Tank Section, effective July 15, 2008
 3. All units are in ug/L (Micrograms per Liter)
 4. BQL = Below Quantitation Limits
 5. A zero in the 2L GWQS row indicates the 2L Standard is equal to the laboratory detection limit
 6. A zero in the GCL row indicates a GCL has not been established
 7. Shaded concentrations indicate exceedance of the 2L GWQS
 8. Only compounds which were detected are shown on table. All other compounds were BQL
 9. Please note, compounds reported in duplicate columns are the result of multiple laboratories submitting EDD data with different nomenclature. Unless BQL appears in both duplicate columns, a detection is present and that concentration is reported numerically.

TABLE 1
SITE Rapid Refueler
GROUNDWATER LABORATORY ANALYTICAL RESULTS - JULY 2005 TO APRIL 2009
EPA METHOD 602

Contaminant of Concern 											
<u>Well ID</u>	<u>Date</u>	1,2-Dichlorobenzene	1,3-Dichlorobenzene	Dichlorobenzene-1,4	Benzene	Ethylbenzene	Methyl Tert Butyl Ether	Methyl-tert butyl ether	Toluene	Total Xylenes	Xylenes (total)
2L GWQS		24	170	1.4	1	550	200	200	1000	530	530
GCL		72500	61500	39500	5000	550000	200000	200000	257500	87500	87500
USTRF-MW06G	9/29/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW06G	4/18/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW06G	10/31/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW06G	3/23/2007	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW06G	1/20/2008	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW06G	1/8/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL

- Notes:
1. 2L GWQS = North Carolina groundwater quality standard 15A NCAC 2L .0202
 2. GCL = Gross Contamination Levels for ground water as defined in "Guidelines for Assessment and Corrective Action" North Carolina Underground Storage Tank Section, effective July 15, 2008
 3. All units are in ug/L (Micrograms per Liter)
 4. BQL = Below Quantitation Limits
 5. A zero in the 2L GWQS row indicates the 2L Standard is equal to the laboratory detection limit
 6. A zero in the GCL row indicates a GCL has not been established
 7. Shaded concentrations indicate exceedance of the 2L GWQS
 8. Only compounds which were detected are shown on table. All other compounds were BQL
 9. Please note, compounds reported in duplicate columns are the result of multiple laboratories submitting EDD data with different nomenclature. Unless BQL appears in both duplicate columns, a detection is present and that concentration is reported numerically.

TABLE 1
SITE Rapid Refueler
GROUNDWATER LABORATORY ANALYTICAL RESULTS - JULY 2005 TO APRIL 2009
EPA METHOD 602

Contaminant of Concern 											
<u>Well ID</u>	<u>Date</u>	1,2-Dichlorobenzene	1,3-Dichlorobenzene	Dichlorobenzene-1,4	Benzene	Ethylbenzene	Methyl Tert Butyl Ether	Methyl-tert butyl ether	Toluene	Total Xylenes	Xylenes (total)
2L GWQS		24	170	1.4	1	550	200	200	1000	530	530
GCL		72500	61500	39500	5000	550000	200000	200000	257500	87500	87500
USTRF-MW07	9/28/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW07	4/19/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW07	3/22/2007	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW07	1/30/2008	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW07	1/8/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW08	1/8/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL

- Notes:
1. 2L GWQS = North Carolina groundwater quality standard 15A NCAC 2L .0202
 2. GCL = Gross Contamination Levels for ground water as defined in "Guidelines for Assessment and Corrective Action" North Carolina Underground Storage Tank Section, effective July 15, 2008
 3. All units are in ug/L (Micrograms per Liter)
 4. BQL = Below Quantitation Limits
 5. A zero in the 2L GWQS row indicates the 2L Standard is equal to the laboratory detection limit
 6. A zero in the GCL row indicates a GCL has not been established
 7. Shaded concentrations indicate exceedance of the 2L GWQS
 8. Only compounds which were detected are shown on table. All other compounds were BQL
 9. Please note, compounds reported in duplicate columns are the result of multiple laboratories submitting EDD data with different nomenclature. Unless BQL appears in both duplicate columns, a detection is present and that concentration is reported numerically.

TABLE 1
SITE Rapid Refueler
GROUNDWATER LABORATORY ANALYTICAL RESULTS - JULY 2005 TO APRIL 2009
EPA METHOD 602

Contaminant of Concern 											
<u>Well ID</u>	<u>Date</u>	1,2-Dichlorobenzene	1,3-Dichlorobenzene	Dichlorobenzene-1,4	Benzene	Ethylbenzene	Methyl Tert Butyl Ether	Methyl-tert butyl ether	Toluene	Total Xylenes	Xylenes (total)
2L GWQS		24	170	1.4	1	550	200	200	1000	530	530
GCL		72500	61500	39500	5000	550000	200000	200000	257500	87500	87500
USTRF-MW09	9/28/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW09	4/19/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW09	3/23/2007	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW09	1/30/2008	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW09	1/8/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL

- Notes:
1. 2L GWQS = North Carolina groundwater quality standard 15A NCAC 2L .0202
 2. GCL = Gross Contamination Levels for ground water as defined in "Guidelines for Assessment and Corrective Action" North Carolina Underground Storage Tank Section, effective July 15, 2008
 3. All units are in ug/L (Micrograms per Liter)
 4. BQL = Below Quantitation Limits
 5. A zero in the 2L GWQS row indicates the 2L Standard is equal to the laboratory detection limit
 6. A zero in the GCL row indicates a GCL has not been established
 7. Shaded concentrations indicate exceedance of the 2L GWQS
 8. Only compounds which were detected are shown on table. All other compounds were BQL
 9. Please note, compounds reported in duplicate columns are the result of multiple laboratories submitting EDD data with different nomenclature. Unless BQL appears in both duplicate columns, a detection is present and that concentration is reported numerically.

TABLE 1
SITE Rapid Refueler
GROUNDWATER LABORATORY ANALYTICAL RESULTS - JULY 2005 TO APRIL 2009
EPA METHOD 602

Contaminant of Concern 											
Well ID	Date	1,2-Dichlorobenzene	1,3-Dichlorobenzene	Dichlorobenzene-1,4	Benzene	Ethylbenzene	Methyl Tert Butyl Ether	Methyl-tert butyl ether	Toluene	Total Xylenes	Xylenes (total)
2L GWQS		24	170	1.4	1	550	200	200	1000	530	530
GCL		72500	61500	39500	5000	550000	200000	200000	257500	87500	87500
USTRF-MW10	9/28/2005	BQL	BQL	BQL	18.80	78.10	BQL	BQL	0.86	BQL	16.30
USTRF-MW10	4/22/2006	BQL	BQL	BQL	8.80	62.30	BQL	BQL	0.59	BQL	22.60
USTRF-MW10	10/30/2006	BQL	BQL	BQL	7.40	59.60	1.40	BQL	BQL	20.40	BQL
USTRF-MW10	3/20/2007	28.70	BQL	BQL	6.50	58.80	3.30	BQL	0.54	30.10	BQL
USTRF-MW10	1/25/2008	BQL	BQL	BQL	16.40	83.40	2.30	BQL	1.10	BQL	23.00
USTRF-MW10	1/8/2009	BQL	BQL	BQL	12.80	75.60	BQL	BQL	BQL	19.50	BQL

- Notes:
1. 2L GWQS = North Carolina groundwater quality standard 15A NCAC 2L .0202
 2. GCL = Gross Contamination Levels for ground water as defined in "Guidelines for Assessment and Corrective Action" North Carolina Underground Storage Tank Section, effective July 15, 2008
 3. All units are in ug/L (Micrograms per Liter)
 4. BQL = Below Quantitation Limits
 5. A zero in the 2L GWQS row indicates the 2L Standard is equal to the laboratory detection limit
 6. A zero in the GCL row indicates a GCL has not been established
 7. Shaded concentrations indicate exceedance of the 2L GWQS
 8. Only compounds which were detected are shown on table. All other compounds were BQL
 9. Please note, compounds reported in duplicate columns are the result of multiple laboratories submitting EDD data with different nomenclature. Unless BQL appears in both duplicate columns, a detection is present and that concentration is reported numerically.

TABLE 1
SITE Rapid Refueler
GROUNDWATER LABORATORY ANALYTICAL RESULTS - JULY 2005 TO APRIL 2009
EPA METHOD 602

Contaminant of Concern 											
Well ID	Date	1,2-Dichlorobenzene	1,3-Dichlorobenzene	Dichlorobenzene-1,4	Benzene	Ethylbenzene	Methyl Tert Butyl Ether	Methyl-tert butyl ether	Toluene	Total Xylenes	Xylenes (total)
2L GWQS		24	170	1.4	1	550	200	200	1000	530	530
GCL		72500	61500	39500	5000	550000	200000	200000	257500	87500	87500
USTRF-MW11	9/27/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW11	4/18/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW11	10/30/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW11	3/20/2007	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW11	1/25/2008	BQL	BQL	BQL	BQL	0.94	BQL	BQL	BQL	BQL	BQL
USTRF-MW11	1/7/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW12	1/29/2008	BQL	BQL	BQL	3.20	14.60	1.20	BQL	BQL	BQL	4.00
USTRF-MW12	1/8/2009	BQL	BQL	BQL	1.60	8.67	BQL	BQL	BQL	2.74	BQL
USTRF-MW13	1/7/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL

- Notes:
1. 2L GWQS = North Carolina groundwater quality standard 15A NCAC 2L .0202
 2. GCL = Gross Contamination Levels for ground water as defined in "Guidelines for Assessment and Corrective Action" North Carolina Underground Storage Tank Section, effective July 15, 2008
 3. All units are in ug/L (Micrograms per Liter)
 4. BQL = Below Quantitation Limits
 5. A zero in the 2L GWQS row indicates the 2L Standard is equal to the laboratory detection limit
 6. A zero in the GCL row indicates a GCL has not been established
 7. Shaded concentrations indicate exceedance of the 2L GWQS
 8. Only compounds which were detected are shown on table. All other compounds were BQL
 9. Please note, compounds reported in duplicate columns are the result of multiple laboratories submitting EDD data with different nomenclature. Unless BQL appears in both duplicate columns, a detection is present and that concentration is reported numerically.

TABLE 1
SITE Rapid Refueler
GROUNDWATER LABORATORY ANALYTICAL RESULTS - JULY 2005 TO APRIL 2009
EPA METHOD 602

Contaminant of Concern 											
<u>Well ID</u>	<u>Date</u>	1,2-Dichlorobenzene	1,3-Dichlorobenzene	Dichlorobenzene-1,4	Benzene	Ethylbenzene	Methyl Tert Butyl Ether	Methyl-tert butyl ether	Toluene	Total Xylenes	Xylenes (total)
2L GWQS		24	170	1.4	1	550	200	200	1000	530	530
GCL		72500	61500	39500	5000	550000	200000	200000	257500	87500	87500
USTRF-MW14	9/27/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW14	4/17/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW14	10/30/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW14	3/20/2007	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW14	1/25/2008	BQL	BQL	BQL	BQL	0.76	BQL	BQL	BQL	BQL	BQL
USTRF-MW14	1/7/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL

- Notes:
1. 2L GWQS = North Carolina groundwater quality standard 15A NCAC 2L .0202
 2. GCL = Gross Contamination Levels for ground water as defined in "Guidelines for Assessment and Corrective Action" North Carolina Underground Storage Tank Section, effective July 15, 2008
 3. All units are in ug/L (Micrograms per Liter)
 4. BQL = Below Quantitation Limits
 5. A zero in the 2L GWQS row indicates the 2L Standard is equal to the laboratory detection limit
 6. A zero in the GCL row indicates a GCL has not been established
 7. Shaded concentrations indicate exceedance of the 2L GWQS
 8. Only compounds which were detected are shown on table. All other compounds were BQL
 9. Please note, compounds reported in duplicate columns are the result of multiple laboratories submitting EDD data with different nomenclature. Unless BQL appears in both duplicate columns, a detection is present and that concentration is reported numerically.

TABLE 1
SITE Rapid Refueler
GROUNDWATER LABORATORY ANALYTICAL RESULTS - JULY 2005 TO APRIL 2009
EPA METHOD 602

Contaminant of Concern →											
Well ID	Date	1,2-Dichlorobenzene	1,3-Dichlorobenzene	Dichlorobenzene-1,4	Benzene	Ethylbenzene	Methyl Tert Butyl Ether	Methyl-tert butyl ether	Toluene	Total Xylenes	Xylenes (total)
2L GWQS		24	170	1.4	1	550	200	200	1000	530	530
GCL		72500	61500	39500	5000	550000	200000	200000	257500	87500	87500
USTRF-MW15	9/27/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW15	4/17/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW15	10/30/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW15	3/20/2007	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW15	1/25/2008	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW15	1/7/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL

- Notes:
1. 2L GWQS = North Carolina groundwater quality standard 15A NCAC 2L .0202
 2. GCL = Gross Contamination Levels for ground water as defined in "Guidelines for Assessment and Corrective Action" North Carolina Underground Storage Tank Section, effective July 15, 2008
 3. All units are in ug/L (Micrograms per Liter)
 4. BQL = Below Quantitation Limits
 5. A zero in the 2L GWQS row indicates the 2L Standard is equal to the laboratory detection limit
 6. A zero in the GCL row indicates a GCL has not been established
 7. Shaded concentrations indicate exceedance of the 2L GWQS
 8. Only compounds which were detected are shown on table. All other compounds were BQL
 9. Please note, compounds reported in duplicate columns are the result of multiple laboratories submitting EDD data with different nomenclature. Unless BQL appears in both duplicate columns, a detection is present and that concentration is reported numerically.

TABLE 1
SITE Rapid Refueler
GROUNDWATER LABORATORY ANALYTICAL RESULTS - JULY 2005 TO APRIL 2009
EPA METHOD 602

Contaminant of Concern →											
Well ID	Date	1,2-Dichlorobenzene	1,3-Dichlorobenzene	Dichlorobenzene-1,4	Benzene	Ethylbenzene	Methyl Tert Butyl Ether	Methyl-tert butyl ether	Toluene	Total Xylenes	Xylenes (total)
2L GWQS		24	170	1.4	1	550	200	200	1000	530	530
GCL		72500	61500	39500	5000	550000	200000	200000	257500	87500	87500
USTRF-MW17	9/27/2005	BQL	BQL	BQL	3.70	29.40	4.10	BQL	BQL	BQL	5.30
USTRF-MW17	4/22/2006	BQL	BQL	BQL	5.10	28.40	16.50	BQL	BQL	BQL	2.40
USTRF-MW17	3/19/2007	16.60	2.40	BQL	4.80	40.90	7.40	BQL	BQL	BQL	BQL
USTRF-MW17	1/29/2008	BQL	BQL	BQL	6.30	37.60	5.80	BQL	BQL	BQL	2.40
USTRF-MW17	1/8/2009	BQL	BQL	BQL	4.52	9.67	BQL	BQL	BQL	BQL	BQL

- Notes: 1. 2L GWQS = North Carolina groundwater quality standard 15A NCAC 2L .0202
2. GCL = Gross Contamination Levels for ground water as defined in "Guidelines for Assessment and Corrective Action" North Carolina Underground Storage Tank Section, effective July 15, 2008
3. All units are in ug/L (Micrograms per Liter)
4. BQL = Below Quantitation Limits
5. A zero in the 2L GWQS row indicates the 2L Standard is equal to the laboratory detection limit
6. A zero in the GCL row indicates a GCL has not been established
7. Shaded concentrations indicate exceedance of the 2L GWQS
8. Only compounds which were detected are shown on table. All other compounds were BQL
9. Please note, compounds reported in duplicate columns are the result of multiple laboratories submitting EDD data with different nomenclature. Unless BQL appears in both duplicate columns, a detection is present and that concentration is reported numerically.

TABLE 1
SITE Rapid Refueler
GROUNDWATER LABORATORY ANALYTICAL RESULTS - JULY 2005 TO APRIL 2009
EPA METHOD 602

Contaminant of Concern 											
<u>Well ID</u>	<u>Date</u>	1,2-Dichlorobenzene	1,3-Dichlorobenzene	Dichlorobenzene-1,4	Benzene	Ethylbenzene	Methyl Tert Butyl Ether	Methyl-tert butyl ether	Toluene	Total Xylenes	Xylenes (total)
2L GWQS		24	170	1.4	1	550	200	200	1000	530	530
GCL		72500	61500	39500	5000	550000	200000	200000	257500	87500	87500
USTRF-MW21	9/28/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW21	4/19/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW21	10/31/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW21	3/22/2007	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW21	1/21/2008	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW21	1/12/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL

- Notes:
1. 2L GWQS = North Carolina groundwater quality standard 15A NCAC 2L .0202
 2. GCL = Gross Contamination Levels for ground water as defined in "Guidelines for Assessment and Corrective Action" North Carolina Underground Storage Tank Section, effective July 15, 2008
 3. All units are in ug/L (Micrograms per Liter)
 4. BQL = Below Quantitation Limits
 5. A zero in the 2L GWQS row indicates the 2L Standard is equal to the laboratory detection limit
 6. A zero in the GCL row indicates a GCL has not been established
 7. Shaded concentrations indicate exceedance of the 2L GWQS
 8. Only compounds which were detected are shown on table. All other compounds were BQL
 9. Please note, compounds reported in duplicate columns are the result of multiple laboratories submitting EDD data with different nomenclature. Unless BQL appears in both duplicate columns, a detection is present and that concentration is reported numerically.

TABLE 1
SITE Rapid Refueler
GROUNDWATER LABORATORY ANALYTICAL RESULTS - JULY 2005 TO APRIL 2009
EPA METHOD 602

Contaminant of Concern 											
<u>Well ID</u>	<u>Date</u>	1,2-Dichlorobenzene	1,3-Dichlorobenzene	Dichlorobenzene-1,4	Benzene	Ethylbenzene	Methyl Tert Butyl Ether	Methyl-tert butyl ether	Toluene	Total Xylenes	Xylenes (total)
2L GWQS		24	170	1.4	1	550	200	200	1000	530	530
GCL		72500	61500	39500	5000	550000	200000	200000	257500	87500	87500
USTRF-MW22	9/29/2005	BQL	10.00	BQL	3.40	16.40	BQL	BQL	BQL	BQL	28.50
USTRF-MW22	4/22/2006	BQL	BQL	BQL	0.66	6.50	BQL	BQL	BQL	BQL	4.60
USTRF-MW22	10/27/2006	14.60	7.00	31.50	0.54	5.60	BQL	BQL	0.69	10.40	BQL
USTRF-MW22	3/27/2007	BQL	BQL	BQL	0.89	4.20	BQL	BQL	BQL	4.60	BQL
USTRF-MW22	1/29/2008	BQL	BQL	BQL	BQL	2.20	BQL	BQL	BQL	BQL	4.90
USTRF-MW22	1/9/2009	BQL	BQL	BQL	BQL	8.86	BQL	BQL	BQL	11.79	BQL

- Notes:
1. 2L GWQS = North Carolina groundwater quality standard 15A NCAC 2L .0202
 2. GCL = Gross Contamination Levels for ground water as defined in "Guidelines for Assessment and Corrective Action" North Carolina Underground Storage Tank Section, effective July 15, 2008
 3. All units are in ug/L (Micrograms per Liter)
 4. BQL = Below Quantitation Limits
 5. A zero in the 2L GWQS row indicates the 2L Standard is equal to the laboratory detection limit
 6. A zero in the GCL row indicates a GCL has not been established
 7. Shaded concentrations indicate exceedance of the 2L GWQS
 8. Only compounds which were detected are shown on table. All other compounds were BQL
 9. Please note, compounds reported in duplicate columns are the result of multiple laboratories submitting EDD data with different nomenclature. Unless BQL appears in both duplicate columns, a detection is present and that concentration is reported numerically.

TABLE 1
SITE Rapid Refueler
GROUNDWATER LABORATORY ANALYTICAL RESULTS - JULY 2005 TO APRIL 2009
EPA METHOD 602

Contaminant of Concern 											
<u>Well ID</u>	<u>Date</u>	1,2-Dichlorobenzene	1,3-Dichlorobenzene	Dichlorobenzene-1,4	Benzene	Ethylbenzene	Methyl Tert Butyl Ether	Methyl-tert butyl ether	Toluene	Total Xylenes	Xylenes (total)
2L GWQS		24	170	1.4	1	550	200	200	1000	530	530
GCL		72500	61500	39500	5000	550000	200000	200000	257500	87500	87500
USTRF-MW23	9/28/2005	BQL	BQL	BQL	BQL	10.70	BQL	BQL	BQL	BQL	2.00
USTRF-MW23	4/19/2006	BQL	BQL	BQL	BQL	8.20	BQL	BQL	BQL	BQL	4.40
USTRF-MW23	10/31/2006	BQL	BQL	BQL	0.53	18.90	BQL	BQL	BQL	8.80	BQL
USTRF-MW23	3/22/2007	BQL	BQL	BQL	BQL	7.60	BQL	BQL	BQL	BQL	BQL
USTRF-MW23	1/20/2008	BQL	BQL	BQL	BQL	3.00	BQL	BQL	BQL	BQL	1.60
USTRF-MW23	1/12/2009	BQL	BQL	BQL	BQL	2.52	BQL	BQL	BQL	BQL	BQL

- Notes:
1. 2L GWQS = North Carolina groundwater quality standard 15A NCAC 2L .0202
 2. GCL = Gross Contamination Levels for ground water as defined in "Guidelines for Assessment and Corrective Action" North Carolina Underground Storage Tank Section, effective July 15, 2008
 3. All units are in ug/L (Micrograms per Liter)
 4. BQL = Below Quantitation Limits
 5. A zero in the 2L GWQS row indicates the 2L Standard is equal to the laboratory detection limit
 6. A zero in the GCL row indicates a GCL has not been established
 7. Shaded concentrations indicate exceedance of the 2L GWQS
 8. Only compounds which were detected are shown on table. All other compounds were BQL
 9. Please note, compounds reported in duplicate columns are the result of multiple laboratories submitting EDD data with different nomenclature. Unless BQL appears in both duplicate columns, a detection is present and that concentration is reported numerically.

TABLE 2
SITE Rapid Refueler
GROUNDWATER LABORATORY ANALYTICAL RESULTS - JULY 2005 TO APRIL 2009
EPA METHOD 625

Contaminant of Concern 										
<u>Well ID</u>	<u>Date</u>	2,4-Dimethylphenol	2,6-Dinitrotoluene	Methylnaphthalene-2	3&4-Methylphenol	bis(2-Ethylhexyl)phthalate	Dibenzofuran	Diethyl phthalate	Isophorone	Naphthalene
2L GWQS		140	0	14	35	2.5	28	5000	36.8	21
GCL		140000	0	12500	0	2500	28000	0	0	15500
USTAS497-MW01	9/27/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS497-MW01	4/18/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS497-MW01	10/24/2006	BQL	BQL	BQL	BQL	15.00	BQL	BQL	BQL	BQL
USTAS497-MW01	3/19/2007	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS497-MW01	1/29/2008	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS497-MW01	1/8/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL

- Notes:
1. 2L GWQS = North Carolina groundwater quality standard 15A NCAC 2L .0202
 2. GCL = Gross Contamination Levels for ground water as defined in "Guidelines for Assessment and Corrective Action" North Carolina Underground Storage Tank Section, effective July 15, 2008
 3. All units are in ug/L (Micrograms per Liter)
 4. BQL = Below Quantitation Limits
 5. A zero in the 2L GWQS row indicates the 2L Standard is equal to the laboratory detection limit
 6. A zero in the GCL row indicates a GCL has not been established
 7. Shaded concentrations indicate exceedance of the 2L GWQS
 8. Only compounds which were detected are shown on table. All other compounds were BQL
 9. Please note, compounds reported in duplicate columns are the result of multiple laboratories submitting EDD data with different nomenclature. Unless BQL appears in both duplicate columns, a detection is present and that concentration is reported numerically.

TABLE 2
SITE Rapid Refueler
GROUNDWATER LABORATORY ANALYTICAL RESULTS - JULY 2005 TO APRIL 2009
EPA METHOD 625

Contaminant of Concern 										
<u>Well ID</u>	<u>Date</u>	2,4-Dimethylphenol	2,6-Dinitrotoluene	Methylnaphthalene-2	3&4-Methylphenol	bis(2-Ethylhexyl)phthalate	Dibenzofuran	Diethyl phthalate	Isophorone	Naphthalene
2L GWQS		140	0	14	35	2.5	28	5000	36.8	21
GCL		140000	0	12500	0	2500	28000	0	0	15500
USTAS497-MW02	9/27/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS497-MW02	4/18/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS497-MW02	10/25/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS497-MW02	3/19/2007	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS497-MW02	1/29/2008	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS497-MW02	1/8/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL

- Notes: 1. 2L GWQS = North Carolina groundwater quality standard 15A NCAC 2L .0202
2. GCL = Gross Contamination Levels for ground water as defined in "Guidelines for Assessment and Corrective Action" North Carolina Underground Storage Tank Section, effective July 15, 2008
3. All units are in ug/L (Micrograms per Liter)
4. BQL = Below Quantitation Limits
5. A zero in the 2L GWQS row indicates the 2L Standard is equal to the laboratory detection limit
6. A zero in the GCL row indicates a GCL has not been established
7. Shaded concentrations indicate exceedance of the 2L GWQS
8. Only compounds which were detected are shown on table. All other compounds were BQL
9. Please note, compounds reported in duplicate columns are the result of multiple laboratories submitting EDD data with different nomenclature. Unless BQL appears in both duplicate columns, a detection is present and that concentration is reported numerically.

TABLE 2
SITE Rapid Refueler
GROUNDWATER LABORATORY ANALYTICAL RESULTS - JULY 2005 TO APRIL 2009
EPA METHOD 625

Contaminant of Concern 										
<u>Well ID</u>	<u>Date</u>	2,4-Dimethylphenol	2,6-Dinitrotoluene	Methylnaphthalene-2	3,4-Methylphenol	bis(2-Ethylhexyl)phthalate	Dibenzofuran	Diethyl phthalate	Isophorone	Naphthalene
2L GWQS		140	0	14	35	2.5	28	5000	36.8	21
GCL		140000	0	12500	0	2500	28000	0	0	15500
USTAS497-MW03	9/27/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS497-MW03	4/22/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS497-MW03	10/24/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS497-MW03	3/20/2007	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS497-MW03	1/29/2008	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS497-MW03	1/7/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL

- Notes:
1. 2L GWQS = North Carolina groundwater quality standard 15A NCAC 2L .0202
 2. GCL = Gross Contamination Levels for ground water as defined in "Guidelines for Assessment and Corrective Action" North Carolina Underground Storage Tank Section, effective July 15, 2008
 3. All units are in ug/L (Micrograms per Liter)
 4. BQL = Below Quantitation Limits
 5. A zero in the 2L GWQS row indicates the 2L Standard is equal to the laboratory detection limit
 6. A zero in the GCL row indicates a GCL has not been established
 7. Shaded concentrations indicate exceedance of the 2L GWQS
 8. Only compounds which were detected are shown on table. All other compounds were BQL
 9. Please note, compounds reported in duplicate columns are the result of multiple laboratories submitting EDD data with different nomenclature. Unless BQL appears in both duplicate columns, a detection is present and that concentration is reported numerically.

TABLE 2
SITE Rapid Refueler
GROUNDWATER LABORATORY ANALYTICAL RESULTS - JULY 2005 TO APRIL 2009
EPA METHOD 625

Contaminant of Concern 										
<u>Well ID</u>	<u>Date</u>	2,4-Dimethylphenol	2,6-Dinitrotoluene	Methyl/naphthalene-2	3&4-Methylphenol	bis(2-Ethylhexyl)phthalate	Dibenzofuran	Diethyl phthalate	Isophorone	Naphthalene
2L GWQS		140	0	14	35	2.5	28	5000	36.8	21
GCL		140000	0	12500	0	2500	28000	0	0	15500
USTAS497-MW04	9/27/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS497-MW04	4/22/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS497-MW04	10/24/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS497-MW04	3/19/2007	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS497-MW04	1/29/2008	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS497-MW04	1/8/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL

- Notes: 1. 2L GWQS = North Carolina groundwater quality standard 15A NCAC 2L .0202
2. GCL = Gross Contamination Levels for ground water as defined in "Guidelines for Assessment and Corrective Action" North Carolina Underground Storage Tank Section, effective July 15, 2008
3. All units are in ug/L (Micrograms per Liter)
4. BQL = Below Quantitation Limits
5. A zero in the 2L GWQS row indicates the 2L Standard is equal to the laboratory detection limit
6. A zero in the GCL row indicates a GCL has not been established
7. Shaded concentrations indicate exceedance of the 2L GWQS
8. Only compounds which were detected are shown on table. All other compounds were BQL
9. Please note, compounds reported in duplicate columns are the result of multiple laboratories submitting EDD data with different nomenclature. Unless BQL appears in both duplicate columns, a detection is present and that concentration is reported numerically.

TABLE 2
SITE Rapid Refueler
GROUNDWATER LABORATORY ANALYTICAL RESULTS - JULY 2005 TO APRIL 2009
EPA METHOD 625

Contaminant of Concern →										
Well ID	Date	2,4-Dimethylphenol	2,6-Dinitrotoluene	Methylnaphthalene-2	3,4-Methylphenol	bis(2-Ethylhexyl)phthalate	Dibenzofuran	Diethyl phthalate	Isophorone	Naphthalene
2L GWQS		140	0	14	35	2.5	28	5000	36.8	21
GCL		140000	0	12500	0	2500	28000	0	0	15500
USTAS497-MW06	9/27/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS497-MW06	4/18/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS497-MW06	10/24/2006	BQL	BQL	BQL	BQL	8.60	BQL	BQL	BQL	BQL
USTAS497-MW06	3/19/2007	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS497-MW06	1/29/2008	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS497-MW06	1/7/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL

- Notes:
1. 2L GWQS = North Carolina groundwater quality standard 15A NCAC 2L .0202
 2. GCL = Gross Contamination Levels for ground water as defined in "Guidelines for Assessment and Corrective Action" North Carolina Underground Storage Tank Section, effective July 15, 2008
 3. All units are in ug/L (Micrograms per Liter)
 4. BQL = Below Quantitation Limits
 5. A zero in the 2L GWQS row indicates the 2L Standard is equal to the laboratory detection limit
 6. A zero in the GCL row indicates a GCL has not been established
 7. Shaded concentrations indicate exceedance of the 2L GWQS
 8. Only compounds which were detected are shown on table. All other compounds were BQL
 9. Please note, compounds reported in duplicate columns are the result of multiple laboratories submitting EDD data with different nomenclature. Unless BQL appears in both duplicate columns, a detection is present and that concentration is reported numerically.

TABLE 2
SITE Rapid Refueler
GROUNDWATER LABORATORY ANALYTICAL RESULTS - JULY 2005 TO APRIL 2009
EPA METHOD 625

Contaminant of Concern →										
Well ID	Date	2,4-Dimethylphenol	2,6-Dinitrotoluene	Methylnaphthalene-2	3&4-Methylphenol	bis(2-Ethylhexyl)phthalate	Dibenzofuran	Diethyl phthalate	Isophorone	Naphthalene
2L GWQS		140	0	14	35	2.5	28	5000	36.8	21
GCL		140000	0	12500	0	2500	28000	0	0	15500
USTAS511-MW01	9/29/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS511-MW01	4/19/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS511-MW01	10/27/2006	BQL	BQL	BQL	BQL	5.70	BQL	BQL	BQL	BQL
USTAS511-MW01	3/27/2007	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS511-MW01	1/21/2008	BQL	BQL	2.10	BQL	3.40	BQL	BQL	BQL	3.20
USTAS511-MW01	1/9/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL

- Notes:
1. 2L GWQS = North Carolina groundwater quality standard 15A NCAC 2L .0202
 2. GCL = Gross Contamination Levels for ground water as defined in "Guidelines for Assessment and Corrective Action" North Carolina Underground Storage Tank Section, effective July 15, 2008
 3. All units are in ug/L (Micrograms per Liter)
 4. BQL = Below Quantitation Limits
 5. A zero in the 2L GWQS row indicates the 2L Standard is equal to the laboratory detection limit
 6. A zero in the GCL row indicates a GCL has not been established
 7. Shaded concentrations indicate exceedance of the 2L GWQS
 8. Only compounds which were detected are shown on table. All other compounds were BQL
 9. Please note, compounds reported in duplicate columns are the result of multiple laboratories submitting EDD data with different nomenclature. Unless BQL appears in both duplicate columns, a detection is present and that concentration is reported numerically.

TABLE 2
SITE Rapid Refueler
GROUNDWATER LABORATORY ANALYTICAL RESULTS - JULY 2005 TO APRIL 2009
EPA METHOD 625

Contaminant of Concern 										
<u>Well ID</u>	<u>Date</u>	2,4-Dimethylphenol	2,6-Dinitrotoluene	Methyl/naphthalene-2	3&4-Methylphenol	bis(2-Ethylhexyl)phthalate	Dibenzofuran	Diethyl phthalate	Isophorone	Naphthalene
2L GWQS		140	0	14	35	2.5	28	5000	36.8	21
GCL		140000	0	12500	0	2500	28000	0	0	15500
USTAS511-MW02	9/29/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS511-MW02	4/19/2006	BQL	BQL	BQL	BQL	5.80	BQL	BQL	BQL	BQL
USTAS511-MW02	10/27/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS511-MW02	3/27/2007	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS511-MW02	1/29/2008	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS511-MW02	1/9/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL

- Notes:
1. 2L GWQS = North Carolina groundwater quality standard 15A NCAC 2L .0202
 2. GCL = Gross Contamination Levels for ground water as defined in "Guidelines for Assessment and Corrective Action" North Carolina Underground Storage Tank Section, effective July 15, 2008
 3. All units are in ug/L (Micrograms per Liter)
 4. BQL = Below Quantitation Limits
 5. A zero in the 2L GWQS row indicates the 2L Standard is equal to the laboratory detection limit
 6. A zero in the GCL row indicates a GCL has not been established
 7. Shaded concentrations indicate exceedance of the 2L GWQS
 8. Only compounds which were detected are shown on table. All other compounds were BQL
 9. Please note, compounds reported in duplicate columns are the result of multiple laboratories submitting EDD data with different nomenclature. Unless BQL appears in both duplicate columns, a detection is present and that concentration is reported numerically.

TABLE 2
SITE Rapid Refueler
GROUNDWATER LABORATORY ANALYTICAL RESULTS - JULY 2005 TO APRIL 2009
EPA METHOD 625

Contaminant of Concern 										
Well ID	Date	2,4-Dimethylphenol	2,6-Dinitrotoluene	Methylnaphthalene-2	3,4-Methylphenol	bis(2-Ethylhexyl)phthalate	Dibenzofuran	Diethyl phthalate	Isophorone	Naphthalene
2L GWQS		140	0	14	35	2.5	28	5000	36.8	21
GCL		140000	0	12500	0	2500	28000	0	0	15500
USTAS511-MW03	9/27/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS511-MW03	4/17/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS511-MW03	10/31/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS511-MW03	3/26/2007	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS511-MW03	1/30/2008	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS511-MW03	1/9/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL

- Notes:
1. 2L GWQS = North Carolina groundwater quality standard 15A NCAC 2L .0202
 2. GCL = Gross Contamination Levels for ground water as defined in "Guidelines for Assessment and Corrective Action" North Carolina Underground Storage Tank Section, effective July 15, 2008
 3. All units are in ug/L (Micrograms per Liter)
 4. BQL = Below Quantitation Limits
 5. A zero in the 2L GWQS row indicates the 2L Standard is equal to the laboratory detection limit
 6. A zero in the GCL row indicates a GCL has not been established
 7. Shaded concentrations indicate exceedance of the 2L GWQS
 8. Only compounds which were detected are shown on table. All other compounds were BQL
 9. Please note, compounds reported in duplicate columns are the result of multiple laboratories submitting EDD data with different nomenclature. Unless BQL appears in both duplicate columns, a detection is present and that concentration is reported numerically.

TABLE 2
SITE Rapid Refueler
GROUNDWATER LABORATORY ANALYTICAL RESULTS - JULY 2005 TO APRIL 2009
EPA METHOD 625

Contaminant of Concern 										
<u>Well ID</u>	<u>Date</u>	2,4-Dimethylphenol	2,6-Dinitrotoluene	Methylnaphthalene-2	3&4-Methylphenol	bis(2-Ethylhexyl)phthalate	Dibenzofuran	Diethyl phthalate	Isophorone	Naphthalene
2L GWQS		140	0	14	35	2.5	28	5000	36.8	21
GCL		140000	0	12500	0	2500	28000	0	0	15500
USTAS511-MW04	9/27/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS511-MW04	4/22/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS511-MW04	10/26/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS511-MW04	3/26/2007	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS511-MW04	1/24/2008	BQL	BQL	1.10	BQL	3.00	BQL	BQL	BQL	5.40
USTAS511-MW04	1/9/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL

- Notes:
1. 2L GWQS = North Carolina groundwater quality standard 15A NCAC 2L .0202
 2. GCL = Gross Contamination Levels for ground water as defined in "Guidelines for Assessment and Corrective Action" North Carolina Underground Storage Tank Section, effective July 15, 2008
 3. All units are in ug/L (Micrograms per Liter)
 4. BQL = Below Quantitation Limits
 5. A zero in the 2L GWQS row indicates the 2L Standard is equal to the laboratory detection limit
 6. A zero in the GCL row indicates a GCL has not been established
 7. Shaded concentrations indicate exceedance of the 2L GWQS
 8. Only compounds which were detected are shown on table. All other compounds were BQL
 9. Please note, compounds reported in duplicate columns are the result of multiple laboratories submitting EDD data with different nomenclature. Unless BQL appears in both duplicate columns, a detection is present and that concentration is reported numerically.

TABLE 2
SITE Rapid Refueler
GROUNDWATER LABORATORY ANALYTICAL RESULTS - JULY 2005 TO APRIL 2009
EPA METHOD 625

Contaminant of Concern →										
Well ID	Date	2,4-Dimethylphenol	2,6-Dinitrotoluene	Methylnaphthalene-2	3,4-Methylphenol	bis(2-Ethylhexyl)phthalate	Dibenzofuran	Diethyl phthalate	Isophorone	Naphthalene
2L GWQS		140	0	14	35	2.5	28	5000	36.8	21
GCL		140000	0	12500	0	2500	28000	0	0	15500
USTAS511-MW05	9/29/2005	BQL	BQL	BQL	BQL	14.10	BQL	BQL	BQL	BQL
USTAS511-MW05	4/17/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS511-MW05	10/27/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	2.50	BQL
USTAS511-MW05	3/27/2007	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS511-MW05	1/21/2008	BQL	BQL	1.30	BQL	BQL	BQL	BQL	BQL	2.20
USTAS511-MW05	1/9/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL

- Notes:
1. 2L GWQS = North Carolina groundwater quality standard 15A NCAC 2L .0202
 2. GCL = Gross Contamination Levels for ground water as defined in "Guidelines for Assessment and Corrective Action" North Carolina Underground Storage Tank Section, effective July 15, 2008
 3. All units are in ug/L (Micrograms per Liter)
 4. BQL = Below Quantitation Limits
 5. A zero in the 2L GWQS row indicates the 2L Standard is equal to the laboratory detection limit
 6. A zero in the GCL row indicates a GCL has not been established
 7. Shaded concentrations indicate exceedance of the 2L GWQS
 8. Only compounds which were detected are shown on table. All other compounds were BQL
 9. Please note, compounds reported in duplicate columns are the result of multiple laboratories submitting EDD data with different nomenclature. Unless BQL appears in both duplicate columns, a detection is present and that concentration is reported numerically.

TABLE 2
SITE Rapid Refueler
GROUNDWATER LABORATORY ANALYTICAL RESULTS - JULY 2005 TO APRIL 2009
EPA METHOD 625

Contaminant of Concern 										
<u>Well ID</u>	<u>Date</u>	2,4-Dimethylphenol	2,6-Dinitrotoluene	Methylnaphthalene-2	3&4-Methylphenol	bis(2-Ethylhexyl)phthalate	Dibenzofuran	Diethyl phthalate	Isophorone	Naphthalene
2L GWQS		140	0	14	35	2.5	28	5000	36.8	21
GCL		140000	0	12500	0	2500	28000	0	0	15500
USTAS511-MW06	9/29/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS511-MW06	4/17/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS511-MW06	10/27/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.20	BQL
USTAS511-MW06	3/27/2007	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS511-MW06	1/29/2008	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS511-MW06	1/9/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL

- Notes:
1. 2L GWQS = North Carolina groundwater quality standard 15A NCAC 2L .0202
 2. GCL = Gross Contamination Levels for ground water as defined in "Guidelines for Assessment and Corrective Action" North Carolina Underground Storage Tank Section, effective July 15, 2008
 3. All units are in ug/L (Micrograms per Liter)
 4. BQL = Below Quantitation Limits
 5. A zero in the 2L GWQS row indicates the 2L Standard is equal to the laboratory detection limit
 6. A zero in the GCL row indicates a GCL has not been established
 7. Shaded concentrations indicate exceedance of the 2L GWQS
 8. Only compounds which were detected are shown on table. All other compounds were BQL
 9. Please note, compounds reported in duplicate columns are the result of multiple laboratories submitting EDD data with different nomenclature. Unless BQL appears in both duplicate columns, a detection is present and that concentration is reported numerically.

TABLE 2
SITE Rapid Refueler
GROUNDWATER LABORATORY ANALYTICAL RESULTS - JULY 2005 TO APRIL 2009
EPA METHOD 625

Contaminant of Concern 										
<u>Well ID</u>	<u>Date</u>	2,4-Dimethylphenol	2,6-Dinitrotoluene	Methylnaphthalene-2	3&4-Methylphenol	bis(2-Ethylhexyl)phthalate	Dibenzofuran	Diethyl phthalate	Isophorone	Naphthalene
2L GWQS		140	0	14	35	2.5	28	5000	36.8	21
GCL		140000	0	12500	0	2500	28000	0	0	15500
USTAS511-MW07	9/27/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS511-MW07	4/17/2006	BQL	BQL	BQL	BQL	8.80	BQL	BQL	BQL	BQL
USTAS511-MW07	10/26/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS511-MW07	3/26/2007	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS511-MW07	1/30/2008	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS511-MW07	1/9/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL

- Notes:
1. 2L GWQS = North Carolina groundwater quality standard 15A NCAC 2L .0202
 2. GCL = Gross Contamination Levels for ground water as defined in "Guidelines for Assessment and Corrective Action" North Carolina Underground Storage Tank Section, effective July 15, 2008
 3. All units are in ug/L (Micrograms per Liter)
 4. BQL = Below Quantitation Limits
 5. A zero in the 2L GWQS row indicates the 2L Standard is equal to the laboratory detection limit
 6. A zero in the GCL row indicates a GCL has not been established
 7. Shaded concentrations indicate exceedance of the 2L GWQS
 8. Only compounds which were detected are shown on table. All other compounds were BQL
 9. Please note, compounds reported in duplicate columns are the result of multiple laboratories submitting EDD data with different nomenclature. Unless BQL appears in both duplicate columns, a detection is present and that concentration is reported numerically.

TABLE 2
SITE Rapid Refueler
GROUNDWATER LABORATORY ANALYTICAL RESULTS - JULY 2005 TO APRIL 2009
EPA METHOD 625

Contaminant of Concern 										
Well ID	Date	2,4-Dimethylphenol	2,6-Dinitrotoluene	Methylnaphthalene-2	3,4-Methylphenol	bis(2-Ethylhexyl)phthalate	Dibenzofuran	Diethyl phthalate	Isophorone	Naphthalene
2L GWQS		140	0	14	35	2.5	28	5000	36.8	21
GCL		140000	0	12500	0	2500	28000	0	0	15500
USTAS511-MW08	9/27/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS511-MW08	4/22/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS511-MW08	10/26/2006	BQL	BQL	BQL	BQL	3.80	BQL	BQL	BQL	BQL
USTAS511-MW08	3/26/2007	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS511-MW08	1/30/2008	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS511-MW08	1/9/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS522-MW03	9/29/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS522-MW04	9/29/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.00
USTAS522-MW04	10/31/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL

- Notes:
1. 2L GWQS = North Carolina groundwater quality standard 15A NCAC 2L .0202
 2. GCL = Gross Contamination Levels for ground water as defined in "Guidelines for Assessment and Corrective Action" North Carolina Underground Storage Tank Section, effective July 15, 2008
 3. All units are in ug/L (Micrograms per Liter)
 4. BQL = Below Quantitation Limits
 5. A zero in the 2L GWQS row indicates the 2L Standard is equal to the laboratory detection limit
 6. A zero in the GCL row indicates a GCL has not been established
 7. Shaded concentrations indicate exceedance of the 2L GWQS
 8. Only compounds which were detected are shown on table. All other compounds were BQL
 9. Please note, compounds reported in duplicate columns are the result of multiple laboratories submitting EDD data with different nomenclature. Unless BQL appears in both duplicate columns, a detection is present and that concentration is reported numerically.

TABLE 2
SITE Rapid Refueler
GROUNDWATER LABORATORY ANALYTICAL RESULTS - JULY 2005 TO APRIL 2009
EPA METHOD 625

Contaminant of Concern →										
Well ID	Date	2,4-Dimethylphenol	2,6-Dinitrotoluene	Methylnaphthalene-2	3&4-Methylphenol	bis(2-Ethylhexyl)phthalate	Dibenzofuran	Diethyl phthalate	Isophorone	Naphthalene
2L GWQS		140	0	14	35	2.5	28	5000	36.8	21
GCL		140000	0	12500	0	2500	28000	0	0	15500
USTAS522-MW08	9/27/2005	2.70	BQL	96.20	BQL	BQL	BQL	BQL	BQL	236.00
USTAS522-MW10	9/29/2005	BQL	3.40	13.30	4.30	BQL	BQL	BQL	BQL	20.80
USTAS522-MW12	9/27/2005	BQL	BQL	65.60	BQL	BQL	BQL	BQL	BQL	116.00
USTAS522-MW12	10/26/2006	BQL	BQL	83.90	BQL	BQL	BQL	BQL	BQL	126.00
USTAS527-DW02	9/29/2005	BQL	BQL	69.50	BQL	BQL	BQL	BQL	BQL	203.00
USTAS527-DW02	3/28/2007	BQL	BQL	63.60	BQL	BQL	BQL	BQL	BQL	225.00
USTAS527-DW02	1/24/2008	BQL	BQL	25.60	BQL	BQL	BQL	BQL	BQL	131.00
USTAS527-DW02	1/14/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	166.00
USTAS527-DW05	1/14/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL

- Notes: 1. 2L GWQS = North Carolina groundwater quality standard 15A NCAC 2L .0202
2. GCL = Gross Contamination Levels for ground water as defined in "Guidelines for Assessment and Corrective Action" North Carolina Underground Storage Tank Section, effective July 15, 2008
3. All units are in ug/L (Micrograms per Liter)
4. BQL = Below Quantitation Limits
5. A zero in the 2L GWQS row indicates the 2L Standard is equal to the laboratory detection limit
6. A zero in the GCL row indicates a GCL has not been established
7. Shaded concentrations indicate exceedance of the 2L GWQS
8. Only compounds which were detected are shown on table. All other compounds were BQL
9. Please note, compounds reported in duplicate columns are the result of multiple laboratories submitting EDD data with different nomenclature. Unless BQL appears in both duplicate columns, a detection is present and that concentration is reported numerically.

TABLE 2
SITE Rapid Refueler
GROUNDWATER LABORATORY ANALYTICAL RESULTS - JULY 2005 TO APRIL 2009
EPA METHOD 625

Contaminant of Concern →										
Well ID	Date	2,4-Dimethylphenol	2,6-Dinitrotoluene	Methylnaphthalene-2	3&4-Methylphenol	bis(2-Ethylhexyl)phthalate	Dibenzofuran	Diethyl phthalate	Isophorone	Naphthalene
2L GWQS		140	0	14	35	2.5	28	5000	36.8	21
GCL		140000	0	12500	0	2500	28000	0	0	15500
USTAS527-DW06	9/27/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS527-DW06	10/30/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS527-DW06	3/28/2007	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS527-DW06	1/30/2008	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS527-DW06	1/14/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS527-MW02	4/17/2006	BQL	BQL	46.90	BQL	32.20	BQL	BQL	BQL	105.00
USTAS527-MW03	4/17/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS527-MW03	3/28/2007	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS527-MW03	1/24/2008	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS527-MW03	1/13/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL

- Notes:
1. 2L GWQS = North Carolina groundwater quality standard 15A NCAC 2L .0202
 2. GCL = Gross Contamination Levels for ground water as defined in "Guidelines for Assessment and Corrective Action" North Carolina Underground Storage Tank Section, effective July 15, 2008
 3. All units are in ug/L (Micrograms per Liter)
 4. BQL = Below Quantitation Limits
 5. A zero in the 2L GWQS row indicates the 2L Standard is equal to the laboratory detection limit
 6. A zero in the GCL row indicates a GCL has not been established
 7. Shaded concentrations indicate exceedance of the 2L GWQS
 8. Only compounds which were detected are shown on table. All other compounds were BQL
 9. Please note, compounds reported in duplicate columns are the result of multiple laboratories submitting EDD data with different nomenclature. Unless BQL appears in both duplicate columns, a detection is present and that concentration is reported numerically.

TABLE 2
SITE Rapid Refueler
GROUNDWATER LABORATORY ANALYTICAL RESULTS - JULY 2005 TO APRIL 2009
EPA METHOD 625

Contaminant of Concern 										
<u>Well ID</u>	<u>Date</u>	2,4-Dimethylphenol	2,6-Dinitrotoluene	Methylnaphthalene-2	3&4-Methylphenol	bis(2-Ethylhexyl)phthalate	Dibenzofuran	Diethyl phthalate	Isophorone	Naphthalene
2L GWQS		140	0	14	35	2.5	28	5000	36.8	21
GCL		140000	0	12500	0	2500	28000	0	0	15500
USTAS527-MW04	4/17/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS527-MW04	3/28/2007	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS527-MW04	1/12/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS527-MW06	4/22/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS527-MW09	1/13/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTAS527-MW10	4/19/2006	BQL	BQL	15.10	BQL	2.80	BQL	BQL	BQL	36.50
USTAS527-MW10	3/27/2007	BQL	BQL	12.60	BQL	BQL	BQL	BQL	BQL	32.80
USTAS527-MW10	1/21/2008	BQL	BQL	248.00	BQL	447.00	BQL	BQL	BQL	175.00
USTAS527-MW10	1/9/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	144.00

- Notes: 1. 2L GWQS = North Carolina groundwater quality standard 15A NCAC 2L .0202
2. GCL = Gross Contamination Levels for ground water as defined in "Guidelines for Assessment and Corrective Action" North Carolina Underground Storage Tank Section, effective July 15, 2008
3. All units are in ug/L (Micrograms per Liter)
4. BQL = Below Quantitation Limits
5. A zero in the 2L GWQS row indicates the 2L Standard is equal to the laboratory detection limit
6. A zero in the GCL row indicates a GCL has not been established
7. Shaded concentrations indicate exceedance of the 2L GWQS
8. Only compounds which were detected are shown on table. All other compounds were BQL
9. Please note, compounds reported in duplicate columns are the result of multiple laboratories submitting EDD data with different nomenclature. Unless BQL appears in both duplicate columns, a detection is present and that concentration is reported numerically.

TABLE 2
SITE Rapid Refueler
GROUNDWATER LABORATORY ANALYTICAL RESULTS - JULY 2005 TO APRIL 2009
EPA METHOD 625

Contaminant of Concern 											
Well ID	Date	2,4-Dimethylphenol	2,6-Dinitrotoluene	Methylanthralene-2	3&4-Methylphenol	bis(2-Ethylhexyl)phthalate	Dibenzofuran	Diethyl phthalate	Isophorone	Naphthalene	
2L GWQS		140	0	14	35	2.5	28	5000	36.8	21	
GCL		140000	0	12500	0	2500	28000	0	0	15500	
USTAS527-MW12	4/22/2006	BQL	BQL	83.30	BQL	BQL	BQL	BQL	BQL	169.00	
USTAS527-MW12	3/26/2007	BQL	BQL	84.30	BQL	BQL	BQL	BQL	BQL	151.00	
USTAS527-MW12	1/9/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	5.54	
USTAS527-MW13	1/12/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	
USTRF-MW01	1/7/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	
USTRF-MW02	9/27/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	
USTRF-MW02	4/22/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	
USTRF-MW02	3/21/2007	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	
USTRF-MW02	1/7/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	

- Notes:
1. 2L GWQS = North Carolina groundwater quality standard 15A NCAC 2L .0202
 2. GCL = Gross Contamination Levels for ground water as defined in "Guidelines for Assessment and Corrective Action" North Carolina Underground Storage Tank Section, effective July 15, 2008
 3. All units are in ug/L (Micrograms per Liter)
 4. BQL = Below Quantitation Limits
 5. A zero in the 2L GWQS row indicates the 2L Standard is equal to the laboratory detection limit
 6. A zero in the GCL row indicates a GCL has not been established
 7. Shaded concentrations indicate exceedance of the 2L GWQS
 8. Only compounds which were detected are shown on table. All other compounds were BQL
 9. Please note, compounds reported in duplicate columns are the result of multiple laboratories submitting EDD data with different nomenclature. Unless BQL appears in both duplicate columns, a detection is present and that concentration is reported numerically.

TABLE 2
SITE Rapid Refueler
GROUNDWATER LABORATORY ANALYTICAL RESULTS - JULY 2005 TO APRIL 2009
EPA METHOD 625

Contaminant of Concern 										
Well ID	Date	2,4-Dimethylphenol	2,6-Dinitrotoluene	Methyl-naphthalene-2	3&4-Methylphenol	bis(2-Ethylhexyl)phthalate	Dibenzofuran	Diethyl phthalate	Isophorone	Naphthalene
2L GWQS		140	0	14	35	2.5	28	5000	36.8	21
GCL		140000	0	12500	0	2500	28000	0	0	15500
USTRF-MW03	9/27/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW03	4/22/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW03	3/21/2007	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW03	1/7/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW03G	9/28/2005	BQL	BQL	BQL	BQL	103.00	BQL	2.10	BQL	BQL
USTRF-MW03G	4/18/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW03G	10/30/2006	BQL	BQL	BQL	BQL	191.00	BQL	BQL	BQL	BQL
USTRF-MW03G	3/22/2007	BQL	BQL	BQL	BQL	4.20	BQL	BQL	BQL	BQL
USTRF-MW03G	1/8/2009	BQL	BQL	BQL	BQL	14.10	BQL	BQL	BQL	BQL
USTRF-MW04	1/7/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL

- Notes:
1. 2L GWQS = North Carolina groundwater quality standard 15A NCAC 2L .0202
 2. GCL = Gross Contamination Levels for ground water as defined in "Guidelines for Assessment and Corrective Action" North Carolina Underground Storage Tank Section, effective July 15, 2008
 3. All units are in ug/L (Micrograms per Liter)
 4. BQL = Below Quantitation Limits
 5. A zero in the 2L GWQS row indicates the 2L Standard is equal to the laboratory detection limit
 6. A zero in the GCL row indicates a GCL has not been established
 7. Shaded concentrations indicate exceedance of the 2L GWQS
 8. Only compounds which were detected are shown on table. All other compounds were BQL
 9. Please note, compounds reported in duplicate columns are the result of multiple laboratories submitting EDD data with different nomenclature. Unless BQL appears in both duplicate columns, a detection is present and that concentration is reported numerically.

TABLE 2
SITE Rapid Refueler
GROUNDWATER LABORATORY ANALYTICAL RESULTS - JULY 2005 TO APRIL 2009
EPA METHOD 625

Contaminant of Concern →										
<u>Well ID</u>	<u>Date</u>	2,4-Dimethylphenol	2,6-Dinitrotoluene	Methylnaphthalene-2	3,4-Methylphenol	bis(2-Ethylhexyl)phthalate	Dibenzofuran	Diethyl phthalate	Isophorone	Naphthalene
2L GWQS		140	0	14	35	2.5	28	5000	36.8	21
GCL		140000	0	12500	0	2500	28000	0	0	15500
USTRF-MW04G	9/29/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW04G	4/18/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW04G	10/31/2006	BQL	BQL	BQL	BQL	8.60	BQL	BQL	BQL	BQL
USTRF-MW04G	3/22/2007	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW04G	1/13/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL

- Notes:
1. 2L GWQS = North Carolina groundwater quality standard 15A NCAC 2L .0202
 2. GCL = Gross Contamination Levels for ground water as defined in "Guidelines for Assessment and Corrective Action" North Carolina Underground Storage Tank Section, effective July 15, 2008
 3. All units are in ug/L (Micrograms per Liter)
 4. BQL = Below Quantitation Limits
 5. A zero in the 2L GWQS row indicates the 2L Standard is equal to the laboratory detection limit
 6. A zero in the GCL row indicates a GCL has not been established
 7. Shaded concentrations indicate exceedance of the 2L GWQS
 8. Only compounds which were detected are shown on table. All other compounds were BQL
 9. Please note, compounds reported in duplicate columns are the result of multiple laboratories submitting EDD data with different nomenclature. Unless BQL appears in both duplicate columns, a detection is present and that concentration is reported numerically.

TABLE 2
SITE Rapid Refueler
GROUNDWATER LABORATORY ANALYTICAL RESULTS - JULY 2005 TO APRIL 2009
EPA METHOD 625

Contaminant of Concern 										
<u>Well ID</u>	<u>Date</u>	2,4-Dimethylphenol	2,6-Dinitrotoluene	Methylnaphthalene-2	3,4-Methylphenol	bis(2-Ethylhexyl)phthalate	Dibenzofuran	Diethyl phthalate	Isophorone	Naphthalene
2L GWQS		140	0	14	35	2.5	28	5000	36.8	21
GCL		140000	0	12500	0	2500	28000	0	0	15500
USTRF-MW05	9/27/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.00
USTRF-MW05	4/22/2006	BQL	BQL	BQL	BQL	7.70	BQL	BQL	BQL	BQL
USTRF-MW05	10/30/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	3.60
USTRF-MW05	3/20/2007	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	4.00
USTRF-MW05	1/25/2008	BQL	BQL	7.30	BQL	BQL	BQL	BQL	BQL	30.60
USTRF-MW05	1/8/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	32.20
USTRF-MW05G	1/13/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	36.80

- Notes:
1. 2L GWQS = North Carolina groundwater quality standard 15A NCAC 2L .0202
 2. GCL = Gross Contamination Levels for ground water as defined in "Guidelines for Assessment and Corrective Action" North Carolina Underground Storage Tank Section, effective July 15, 2008
 3. All units are in ug/L (Micrograms per Liter)
 4. BQL = Below Quantitation Limits
 5. A zero in the 2L GWQS row indicates the 2L Standard is equal to the laboratory detection limit
 6. A zero in the GCL row indicates a GCL has not been established
 7. Shaded concentrations indicate exceedance of the 2L GWQS
 8. Only compounds which were detected are shown on table. All other compounds were BQL
 9. Please note, compounds reported in duplicate columns are the result of multiple laboratories submitting EDD data with different nomenclature. Unless BQL appears in both duplicate columns, a detection is present and that concentration is reported numerically.

TABLE 2
SITE Rapid Refueler
GROUNDWATER LABORATORY ANALYTICAL RESULTS - JULY 2005 TO APRIL 2009
EPA METHOD 625

Contaminant of Concern 										
<u>Well ID</u>	<u>Date</u>	2,4-Dimethylphenol	2,6-Dinitrotoluene	Methylnaphthalene-2	3&4-Methylphenol	bis(2-Ethylhexyl)phthalate	Dibenzofuran	Diethyl phthalate	Isophorone	Naphthalene
2L GWQS		140	0	14	35	2.5	28	5000	36.8	21
GCL		140000	0	12500	0	2500	28000	0	0	15500
USTRF-MW06	9/28/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW06	4/19/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW06	3/22/2007	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW06	1/30/2008	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW06	1/8/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL

- Notes:
1. 2L GWQS = North Carolina groundwater quality standard 15A NCAC 2L .0202
 2. GCL = Gross Contamination Levels for ground water as defined in "Guidelines for Assessment and Corrective Action" North Carolina Underground Storage Tank Section, effective July 15, 2008
 3. All units are in ug/L (Micrograms per Liter)
 4. BQL = Below Quantitation Limits
 5. A zero in the 2L GWQS row indicates the 2L Standard is equal to the laboratory detection limit
 6. A zero in the GCL row indicates a GCL has not been established
 7. Shaded concentrations indicate exceedance of the 2L GWQS
 8. Only compounds which were detected are shown on table. All other compounds were BQL
 9. Please note, compounds reported in duplicate columns are the result of multiple laboratories submitting EDD data with different nomenclature. Unless BQL appears in both duplicate columns, a detection is present and that concentration is reported numerically.

TABLE 2
SITE Rapid Refueler
GROUNDWATER LABORATORY ANALYTICAL RESULTS - JULY 2005 TO APRIL 2009
EPA METHOD 625

Contaminant of Concern →										
<u>Well ID</u>	<u>Date</u>	2,4-Dimethylphenol	2,6-Dinitrotoluene	Methylnaphthalene-2	3&4-Methylphenol	bis(2-Ethylhexyl)phthalate	Dibenzofuran	Diethyl phthalate	Isophorone	Naphthalene
2L GWQS		140	0	14	35	2.5	28	5000	36.8	21
GCL		140000	0	12500	0	2500	28000	0	0	15500
USTRF-MW06G	9/29/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	2.70
USTRF-MW06G	4/18/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW06G	10/31/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW06G	3/23/2007	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW06G	1/20/2008	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW06G	1/8/2009	BQL	BQL	BQL	BQL	15.40	BQL	BQL	BQL	BQL

- Notes:
1. 2L GWQS = North Carolina groundwater quality standard 15A NCAC 2L .0202
 2. GCL = Gross Contamination Levels for ground water as defined in "Guidelines for Assessment and Corrective Action" North Carolina Underground Storage Tank Section, effective July 15, 2008
 3. All units are in ug/L (Micrograms per Liter)
 4. BQL = Below Quantitation Limits
 5. A zero in the 2L GWQS row indicates the 2L Standard is equal to the laboratory detection limit
 6. A zero in the GCL row indicates a GCL has not been established
 7. Shaded concentrations indicate exceedance of the 2L GWQS
 8. Only compounds which were detected are shown on table. All other compounds were BQL
 9. Please note, compounds reported in duplicate columns are the result of multiple laboratories submitting EDD data with different nomenclature. Unless BQL appears in both duplicate columns, a detection is present and that concentration is reported numerically.

TABLE 2
SITE Rapid Refueler
GROUNDWATER LABORATORY ANALYTICAL RESULTS - JULY 2005 TO APRIL 2009
EPA METHOD 625

Contaminant of Concern 										
<u>Well ID</u>	<u>Date</u>	2,4-Dimethylphenol	2,6-Dinitrotoluene	Methylnaphthalene-2	3&4-Methylphenol	bis(2-Ethylhexyl)phthalate	Dibenzofuran	Diethyl phthalate	Isophorone	Naphthalene
2L GWQS		140	0	14	35	2.5	28	5000	36.8	21
GCL		140000	0	12500	0	2500	28000	0	0	15500
USTRF-MW07	9/28/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW07	4/19/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW07	3/22/2007	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW07	1/30/2008	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	2.10
USTRF-MW07	1/8/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW08	1/8/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL

- Notes:
1. 2L GWQS = North Carolina groundwater quality standard 15A NCAC 2L .0202
 2. GCL = Gross Contamination Levels for ground water as defined in "Guidelines for Assessment and Corrective Action" North Carolina Underground Storage Tank Section, effective July 15, 2008
 3. All units are in ug/L (Micrograms per Liter)
 4. BQL = Below Quantitation Limits
 5. A zero in the 2L GWQS row indicates the 2L Standard is equal to the laboratory detection limit
 6. A zero in the GCL row indicates a GCL has not been established
 7. Shaded concentrations indicate exceedance of the 2L GWQS
 8. Only compounds which were detected are shown on table. All other compounds were BQL
 9. Please note, compounds reported in duplicate columns are the result of multiple laboratories submitting EDD data with different nomenclature. Unless BQL appears in both duplicate columns, a detection is present and that concentration is reported numerically.

TABLE 2
SITE Rapid Refueler
GROUNDWATER LABORATORY ANALYTICAL RESULTS - JULY 2005 TO APRIL 2009
EPA METHOD 625

Contaminant of Concern 										
<u>Well ID</u>	<u>Date</u>	2,4-Dimethylphenol	2,6-Dinitrotoluene	Methylnaphthalene-2	3&4-Methylphenol	bis(2-Ethylhexyl)phthalate	Dibenzofuran	Diethyl phthalate	Isophorone	Naphthalene
2L GWQS		140	0	14	35	2.5	28	5000	36.8	21
GCL		140000	0	12500	0	2500	28000	0	0	15500
USTRF-MW09	9/28/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.40
USTRF-MW09	4/19/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW09	3/23/2007	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW09	1/30/2008	BQL	BQL	1.40	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW09	1/8/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL

- Notes:
1. 2L GWQS = North Carolina groundwater quality standard 15A NCAC 2L .0202
 2. GCL = Gross Contamination Levels for ground water as defined in "Guidelines for Assessment and Corrective Action" North Carolina Underground Storage Tank Section, effective July 15, 2008
 3. All units are in ug/L (Micrograms per Liter)
 4. BQL = Below Quantitation Limits
 5. A zero in the 2L GWQS row indicates the 2L Standard is equal to the laboratory detection limit
 6. A zero in the GCL row indicates a GCL has not been established
 7. Shaded concentrations indicate exceedance of the 2L GWQS
 8. Only compounds which were detected are shown on table. All other compounds were BQL
 9. Please note, compounds reported in duplicate columns are the result of multiple laboratories submitting EDD data with different nomenclature. Unless BQL appears in both duplicate columns, a detection is present and that concentration is reported numerically.

TABLE 2
SITE Rapid Refueler
GROUNDWATER LABORATORY ANALYTICAL RESULTS - JULY 2005 TO APRIL 2009
EPA METHOD 625

Contaminant of Concern 										
Well ID	Date	2,4-Dimethylphenol	2,6-Dinitrotoluene	Methylnaphthalene-2	3&4-Methylphenol	bis(2-Ethylhexyl)phthalate	Dibenzofuran	Diethyl phthalate	Isophorone	Naphthalene
2L GWQS		140	0	14	35	2.5	28	5000	36.8	21
GCL		140000	0	12500	0	2500	28000	0	0	15500
USTRF-MW10	9/28/2005	8.20	BQL	108.00	BQL	BQL	2.00	BQL	BQL	BQL
USTRF-MW10	4/22/2006	BQL	BQL	88.30	BQL	4.00	1.90	BQL	BQL	190.00
USTRF-MW10	10/30/2006	BQL	BQL	86.80	BQL	BQL	1.80	BQL	BQL	220.00
USTRF-MW10	3/20/2007	BQL	BQL	43.30	BQL	BQL	1.30	BQL	BQL	137.00
USTRF-MW10	1/25/2008	15.60	BQL	167.00	BQL	BQL	2.30	BQL	BQL	346.00
USTRF-MW10	1/8/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	447.00

- Notes:
1. 2L GWQS = North Carolina groundwater quality standard 15A NCAC 2L .0202
 2. GCL = Gross Contamination Levels for ground water as defined in "Guidelines for Assessment and Corrective Action" North Carolina Underground Storage Tank Section, effective July 15, 2008
 3. All units are in ug/L (Micrograms per Liter)
 4. BQL = Below Quantitation Limits
 5. A zero in the 2L GWQS row indicates the 2L Standard is equal to the laboratory detection limit
 6. A zero in the GCL row indicates a GCL has not been established
 7. Shaded concentrations indicate exceedance of the 2L GWQS
 8. Only compounds which were detected are shown on table. All other compounds were BQL
 9. Please note, compounds reported in duplicate columns are the result of multiple laboratories submitting EDD data with different nomenclature. Unless BQL appears in both duplicate columns, a detection is present and that concentration is reported numerically.

TABLE 2
SITE Rapid Refueler
GROUNDWATER LABORATORY ANALYTICAL RESULTS - JULY 2005 TO APRIL 2009
EPA METHOD 625

Contaminant of Concern →										
Well ID	Date	2,4-Dimethylphenol	2,6-Dinitrotoluene	Methylnaphthalene-2	3&4-Methylphenol	bis(2-Ethylhexyl)phthalate	Dibenzofuran	Diethyl phthalate	Isophorone	Naphthalene
2L GWQS		140	0	14	35	2.5	28	5000	36.8	21
GCL		140000	0	12500	0	2500	28000	0	0	15500
USTRF-MW11	9/27/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW11	4/18/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW11	10/30/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW11	3/20/2007	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW11	1/25/2008	BQL	BQL	1.40	BQL	BQL	BQL	BQL	BQL	4.70
USTRF-MW11	1/7/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW12	1/29/2008	BQL	BQL	112.00	BQL	35.50	BQL	BQL	BQL	107.00
USTRF-MW12	1/8/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	178.00
USTRF-MW13	1/7/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL

- Notes:
1. 2L GWQS = North Carolina groundwater quality standard 15A NCAC 2L .0202
 2. GCL = Gross Contamination Levels for ground water as defined in "Guidelines for Assessment and Corrective Action" North Carolina Underground Storage Tank Section, effective July 15, 2008
 3. All units are in ug/L (Micrograms per Liter)
 4. BQL = Below Quantitation Limits
 5. A zero in the 2L GWQS row indicates the 2L Standard is equal to the laboratory detection limit
 6. A zero in the GCL row indicates a GCL has not been established
 7. Shaded concentrations indicate exceedance of the 2L GWQS
 8. Only compounds which were detected are shown on table. All other compounds were BQL
 9. Please note, compounds reported in duplicate columns are the result of multiple laboratories submitting EDD data with different nomenclature. Unless BQL appears in both duplicate columns, a detection is present and that concentration is reported numerically.

TABLE 2
SITE Rapid Refueler
GROUNDWATER LABORATORY ANALYTICAL RESULTS - JULY 2005 TO APRIL 2009
EPA METHOD 625

Contaminant of Concern →										
<u>Well ID</u>	<u>Date</u>	2,4-Dimethylphenol	2,6-Dinitrotoluene	Methyl/naphthalene-2	3&4-Methylphenol	bis(2-Ethylhexyl)phthalate	Dibenzofuran	Diethyl phthalate	Isophorone	Naphthalene
2L GWQS		140	0	14	35	2.5	28	5000	36.8	21
GCL		140000	0	12500	0	2500	28000	0	0	15500
USTRF-MW14	9/27/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW14	4/17/2006	BQL	BQL	BQL	BQL	13.70	BQL	BQL	BQL	BQL
USTRF-MW14	10/30/2006	BQL	BQL	BQL	BQL	53.20	BQL	BQL	2.80	BQL
USTRF-MW14	3/20/2007	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW14	1/25/2008	BQL	BQL	1.10	BQL	BQL	BQL	BQL	BQL	3.80
USTRF-MW14	1/7/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL

- Notes:
1. 2L GWQS = North Carolina groundwater quality standard 15A NCAC 2L .0202
 2. GCL = Gross Contamination Levels for ground water as defined in "Guidelines for Assessment and Corrective Action" North Carolina Underground Storage Tank Section, effective July 15, 2008
 3. All units are in ug/L (Micrograms per Liter)
 4. BQL = Below Quantitation Limits
 5. A zero in the 2L GWQS row indicates the 2L Standard is equal to the laboratory detection limit
 6. A zero in the GCL row indicates a GCL has not been established
 7. Shaded concentrations indicate exceedance of the 2L GWQS
 8. Only compounds which were detected are shown on table. All other compounds were BQL
 9. Please note, compounds reported in duplicate columns are the result of multiple laboratories submitting EDD data with different nomenclature. Unless BQL appears in both duplicate columns, a detection is present and that concentration is reported numerically.

TABLE 2
SITE Rapid Refueler
GROUNDWATER LABORATORY ANALYTICAL RESULTS - JULY 2005 TO APRIL 2009
EPA METHOD 625

Contaminant of Concern 										
<u>Well ID</u>	<u>Date</u>	2,4-Dimethylphenol	2,6-Dinitrotoluene	Methyl/naphthalene-2	3&4-Methylphenol	bis(2-Ethylhexyl)phthalate	Dibenzofuran	Diethyl phthalate	Isophorone	Naphthalene
2L GWQS		140	0	14	35	2.5	28	5000	36.8	21
GCL		140000	0	12500	0	2500	28000	0	0	15500
USTRF-MW15	9/27/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW15	4/17/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW15	10/30/2006	BQL	BQL	BQL	BQL	BQL	BQL	30.50	BQL	BQL
USTRF-MW15	3/20/2007	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW15	1/25/2008	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW15	1/7/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL

- Notes:
1. 2L GWQS = North Carolina groundwater quality standard 15A NCAC 2L .0202
 2. GCL = Gross Contamination Levels for ground water as defined in "Guidelines for Assessment and Corrective Action" North Carolina Underground Storage Tank Section, effective July 15, 2008
 3. All units are in ug/L (Micrograms per Liter)
 4. BQL = Below Quantitation Limits
 5. A zero in the 2L GWQS row indicates the 2L Standard is equal to the laboratory detection limit
 6. A zero in the GCL row indicates a GCL has not been established
 7. Shaded concentrations indicate exceedance of the 2L GWQS
 8. Only compounds which were detected are shown on table. All other compounds were BQL
 9. Please note, compounds reported in duplicate columns are the result of multiple laboratories submitting EDD data with different nomenclature. Unless BQL appears in both duplicate columns, a detection is present and that concentration is reported numerically.

TABLE 2
SITE Rapid Refueler
GROUNDWATER LABORATORY ANALYTICAL RESULTS - JULY 2005 TO APRIL 2009
EPA METHOD 625

Contaminant of Concern →										
Well ID	Date	2,4-Dimethylphenol	2,6-Dinitrotoluene	Methylnaphthalene-2	3&4-Methylphenol	bis(2-Ethylhexyl)phthalate	Dibenzofuran	Diethyl phthalate	Isophorone	Naphthalene
2L GWQS		140	0	14	35	2.5	28	5000	36.8	21
GCL		140000	0	12500	0	2500	28000	0	0	15500
USTRF-MW17	9/27/2005	11.40	BQL	23.00	BQL	19.90	BQL	BQL	BQL	52.80
USTRF-MW17	4/22/2006	11.00	BQL	25.70	BQL	489.00	BQL	BQL	BQL	41.20
USTRF-MW17	3/19/2007	BQL	BQL	27.40	BQL	258.00	BQL	BQL	BQL	73.10
USTRF-MW17	1/29/2008	BQL	BQL	82.30	BQL	576.00	BQL	BQL	BQL	136.00
USTRF-MW17	1/8/2009	BQL	BQL	BQL	BQL	286.00	BQL	BQL	BQL	193.00

- Notes:
1. 2L GWQS = North Carolina groundwater quality standard 15A NCAC 2L .0202
 2. GCL = Gross Contamination Levels for ground water as defined in "Guidelines for Assessment and Corrective Action" North Carolina Underground Storage Tank Section, effective July 15, 2008
 3. All units are in ug/L (Micrograms per Liter)
 4. BQL = Below Quantitation Limits
 5. A zero in the 2L GWQS row indicates the 2L Standard is equal to the laboratory detection limit
 6. A zero in the GCL row indicates a GCL has not been established
 7. Shaded concentrations indicate exceedance of the 2L GWQS
 8. Only compounds which were detected are shown on table. All other compounds were BQL
 9. Please note, compounds reported in duplicate columns are the result of multiple laboratories submitting EDD data with different nomenclature. Unless BQL appears in both duplicate columns, a detection is present and that concentration is reported numerically.

TABLE 2
SITE Rapid Refueler
GROUNDWATER LABORATORY ANALYTICAL RESULTS - JULY 2005 TO APRIL 2009
EPA METHOD 625

Contaminant of Concern 										
Well ID	Date	2,4-Dimethylphenol	2,6-Dinitrotoluene	Methylnaphthalene-2	3&4-Methylphenol	bis(2-Ethylhexyl)phthalate	Dibenzofuran	Diethyl phthalate	Isophorone	Naphthalene
2L GWQS		140	0	14	35	2.5	28	5000	36.8	21
GCL		140000	0	12500	0	2500	28000	0	0	15500
USTRF-MW21	9/28/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW21	4/19/2006	BQL	BQL	BQL	BQL	3.40	BQL	BQL	BQL	BQL
USTRF-MW21	10/31/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW21	3/22/2007	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW21	1/21/2008	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW21	1/12/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL

- Notes:
1. 2L GWQS = North Carolina groundwater quality standard 15A NCAC 2L .0202
 2. GCL = Gross Contamination Levels for ground water as defined in "Guidelines for Assessment and Corrective Action" North Carolina Underground Storage Tank Section, effective July 15, 2008
 3. All units are in ug/L (Micrograms per Liter)
 4. BQL = Below Quantitaion Limits
 5. A zero in the 2L GWQS row indicates the 2L Standard is equal to the laboratory detection limit
 6. A zero in the GCL row indicates a GCL has not been established
 7. Shaded concentrations indicate exceedance of the 2L GWQS
 8. Only compounds which were detected are shown on table. All other compounds were BQL
 9. Please note, compounds reported in duplicate columns are the result of multiple laboratories submitting EDD data with different nomenclature. Unless BQL appears in both duplicate columns, a detection is present and that concentration is reported numerically.

TABLE 2
SITE Rapid Refueler
GROUNDWATER LABORATORY ANALYTICAL RESULTS - JULY 2005 TO APRIL 2009
EPA METHOD 625

Contaminant of Concern 										
Well ID	Date	2,4-Dimethylphenol	2,6-Dinitrotoluene	Methylnaphthalene-2	3,4-Methylphenol	bis(2-Ethylhexyl)phthalate	Dibenzofuran	Diethyl phthalate	Isophorone	Naphthalene
2L GWQS		140	0	14	35	2.5	28	5000	36.8	21
GCL		140000	0	12500	0	2500	28000	0	0	15500
USTRF-MW22	9/29/2005	2.40	BQL	33.50	3.30	BQL	1.10	BQL	BQL	47.90
USTRF-MW22	4/22/2006	BQL	BQL	24.60	BQL	3.20	BQL	BQL	BQL	31.00
USTRF-MW22	10/27/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW22	3/27/2007	BQL	BQL	11.50	2.90	BQL	BQL	BQL	BQL	10.70
USTRF-MW22	1/29/2008	BQL	BQL	20.10	BQL	3.80	BQL	BQL	BQL	20.20
USTRF-MW22	1/9/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	30.40

- Notes:
1. 2L GWQS = North Carolina groundwater quality standard 15A NCAC 2L .0202
 2. GCL = Gross Contamination Levels for ground water as defined in "Guidelines for Assessment and Corrective Action" North Carolina Underground Storage Tank Section, effective July 15, 2008
 3. All units are in ug/L (Micrograms per Liter)
 4. BQL = Below Quantitation Limits
 5. A zero in the 2L GWQS row indicates the 2L Standard is equal to the laboratory detection limit
 6. A zero in the GCL row indicates a GCL has not been established
 7. Shaded concentrations indicate exceedance of the 2L GWQS
 8. Only compounds which were detected are shown on table. All other compounds were BQL
 9. Please note, compounds reported in duplicate columns are the result of multiple laboratories submitting EDD data with different nomenclature. Unless BQL appears in both duplicate columns, a detection is present and that concentration is reported numerically.

TABLE 2
SITE Rapid Refueler
GROUNDWATER LABORATORY ANALYTICAL RESULTS - JULY 2005 TO APRIL 2009
EPA METHOD 625

Contaminant of Concern 										
<u>Well ID</u>	<u>Date</u>	2,4-Dimethylphenol	2,6-Dinitrotoluene	Methyl-naphthalene-2	3&4-Methylphenol	bis(2-Ethylhexyl)phthalate	Dibenzofuran	Diethyl phthalate	Isophorone	Naphthalene
2L GWQS		140	0	14	35	2.5	28	5000	36.8	21
GCL		140000	0	12500	0	2500	28000	0	0	15500
USTRF-MW23	9/28/2005	BQL	BQL	41.80	BQL	BQL	1.40	BQL	BQL	66.60
USTRF-MW23	4/19/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW23	10/31/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
USTRF-MW23	3/22/2007	BQL	BQL	31.70	BQL	BQL	1.00	BQL	BQL	45.00
USTRF-MW23	1/20/2008	BQL	BQL	11.80	BQL	BQL	BQL	BQL	BQL	31.60
USTRF-MW23	1/12/2009	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	56.20

- Notes:
1. 2L GWQS = North Carolina groundwater quality standard 15A NCAC 2L .0202
 2. GCL = Gross Contamination Levels for ground water as defined in "Guidelines for Assessment and Corrective Action" North Carolina Underground Storage Tank Section, effective July 15, 2008
 3. All units are in ug/L (Micrograms per Liter)
 4. BQL = Below Quantitation Limits
 5. A zero in the 2L GWQS row indicates the 2L Standard is equal to the laboratory detection limit
 6. A zero in the GCL row indicates a GCL has not been established
 7. Shaded concentrations indicate exceedance of the 2L GWQS
 8. Only compounds which were detected are shown on table. All other compounds were BQL
 9. Please note, compounds reported in duplicate columns are the result of multiple laboratories submitting EDD data with different nomenclature. Unless BQL appears in both duplicate columns, a detection is present and that concentration is reported numerically.

TABLE 3
SITE Rapid Refueler
GROUNDWATER LABORATORY ANALYTICAL RESULTS - JULY 2005 TO APRIL 2009
MADEP VPH/EPH

Contaminant of Concern 				
<u>Well ID</u>	<u>Date</u>	C19-C36 Aliphatics	C9-C18 Aliphatics	C9-C22 Aromatics
2L GWQS		12000	4200	210
GCL		0	0	0
USTAS497-MW01	1/29/2008	BQL	BQL	BQL
USTAS497-MW02	1/29/2008	BQL	BQL	BQL
USTAS497-MW03	1/29/2008	BQL	BQL	BQL
USTAS497-MW04	1/29/2008	BQL	BQL	BQL
USTAS497-MW06	1/29/2008	BQL	BQL	BQL
USTAS511-MW01	1/21/2008	BQL	189.70	276.10
USTAS511-MW02	1/29/2008	BQL	BQL	BQL
USTAS511-MW03	1/30/2008	BQL	BQL	BQL

- Notes:
1. 2L GWQS = North Carolina groundwater quality standard 15A NCAC 2L .0202
 2. GCL = Gross Contamination Levels for ground water as defined in "Guidelines for Assessment and Corrective Action" North Carolina Underground Storage Tank Section, effective July 15, 2008
 3. All units are in ug/L (Micrograms per Liter)
 4. BQL = Below Quantitation Limits
 5. A zero in the 2L GWQS row indicates the 2L Standard is equal to the laboratory detection limit
 6. A zero in the GCL row indicates a GCL has not been established
 7. Shaded concentrations indicate exceedance of the 2L GWQS
 8. Only compounds which were detected are shown on table. All other compounds were BQL
 9. Please note, compounds reported in duplicate columns are the result of multiple laboratories submitting EDD data with different nomenclature. Unless BQL appears in both duplicate columns, a detection is present and that concentration is reported numerically.

TABLE 3
SITE Rapid Refueler
GROUNDWATER LABORATORY ANALYTICAL RESULTS - JULY 2005 TO APRIL 2009
MADEP VPH/EPH

Contaminant of Concern 				
<u>Well ID</u>	<u>Date</u>	C19-C36 Aliphatics	C9-C18 Aliphatics	C9-C22 Aromatics
2L GWQS		42000	4200	210
GCL		0	0	0
USTAS511-MW04	1/24/2008	BQL	BQL	26.10
USTAS511-MW05	1/21/2008	BQL	BQL	18.60
USTAS511-MW06	1/29/2008	BQL	BQL	BQL
USTAS511-MW07	1/30/2008	BQL	BQL	BQL
USTAS511-MW08	1/30/2008	BQL	BQL	BQL
USTAS527-DW02	1/24/2008	BQL	2213.00	2193.00
USTAS527-DW06	1/30/2008	BQL	BQL	BQL
USTAS527-MW03	1/24/2008	BQL	120.00	72.40

- Notes:
1. 2L GWQS = North Carolina groundwater quality standard 15A NCAC 2L .0202
 2. GCL = Gross Contamination Levels for ground water as defined in "Guidelines for Assessment and Corrective Action" North Carolina Underground Storage Tank Section, effective July 15, 2008
 3. All units are in ug/L (Micrograms per Liter)
 4. BQL = Below Quantitation Limits
 5. A zero in the 2L GWQS row indicates the 2L Standard is equal to the laboratory detection limit
 6. A zero in the GCL row indicates a GCL has not been established
 7. Shaded concentrations indicate exceedance of the 2L GWQS
 8. Only compounds which were detected are shown on table. All other compounds were BQL
 9. Please note, compounds reported in duplicate columns are the result of multiple laboratories submitting EDD data with different nomenclature. Unless BQL appears in both duplicate columns, a detection is present and that concentration is reported numerically.

TABLE 3
SITE Rapid Refueler
GROUNDWATER LABORATORY ANALYTICAL RESULTS - JULY 2005 TO APRIL 2009
MADEP VPH/EPH

Contaminant of Concern 				
<u>Well ID</u>	<u>Date</u>	C19-C36 Aliphatics	C9-C18 Aliphatics	C9-C22 Aromatics
2L GWQS		42000	4200	210
GCL		0	0	0
USTAS527-MW10	1/21/2008	95.90	42400.00	18820.00
USTRF-MW05	1/25/2008	BQL	682.00	493.00
USTRF-MW06	1/30/2008	BQL	BQL	BQL
USTRF-MW06G	1/20/2008	BQL	119.00	BQL
USTRF-MW07	1/30/2008	BQL	BQL	12.80
USTRF-MW09	1/30/2008	BQL	74.80	41.00
USTRF-MW10	1/25/2008	BQL	1292.00	1511.00
USTRF-MW11	1/25/2008	BQL	BQL	16.80

- Notes:
1. 2L GWQS = North Carolina groundwater quality standard 15A NCAC 2L .0202
 2. GCL = Gross Contamination Levels for ground water as defined in "Guidelines for Assessment and Corrective Action" North Carolina Underground Storage Tank Section, effective July 15, 2008
 3. All units are in ug/L (Micrograms per Liter)
 4. BQL = Below Quantitation Limits
 5. A zero in the 2L GWQS row indicates the 2L Standard is equal to the laboratory detection limit
 6. A zero in the GCL row indicates a GCL has not been established
 7. Shaded concentrations indicate exceedance of the 2L GWQS
 8. Only compounds which were detected are shown on table. All other compounds were BQL
 9. Please note, compounds reported in duplicate columns are the result of multiple laboratories submitting EDD data with different nomenclature. Unless BQL appears in both duplicate columns, a detection is present and that concentration is reported numerically.

TABLE 3
SITE Rapid Refueler
GROUNDWATER LABORATORY ANALYTICAL RESULTS - JULY 2005 TO APRIL 2009
MADEP VPH/EPH

Contaminant of Concern 				
<u>Well ID</u>	<u>Date</u>	C19-C36 Aliphatics	C9-C18 Aliphatics	C9-C22 Aromatics
2L GWQS		42000	4200	210
GCL		0	0	0
USTRF-MW12	1/29/2008	BQL	18320.00	8980.00
USTRF-MW14	1/25/2008	BQL	BQL	BQL
USTRF-MW15	1/25/2008	BQL	BQL	BQL
USTRF-MW17	1/29/2008	285.00	10660.00	3580.00
USTRF-MW21	1/21/2008	BQL	BQL	BQL
USTRF-MW22	1/29/2008	BQL	511.00	233.00
USTRF-MW23	1/20/2008	BQL	803.00	1390.00

- Notes:
1. 2L GWQS = North Carolina groundwater quality standard 15A NCAC 2L .0202
 2. GCL = Gross Contamination Levels for ground water as defined in "Guidelines for Assessment and Corrective Action" North Carolina Underground Storage Tank Section, effective July 15, 2008
 3. All units are in ug/L (Micrograms per Liter)
 4. BQL = Below Quantitation Limits
 5. A zero in the 2L GWQS row indicates the 2L Standard is equal to the laboratory detection limit
 6. A zero in the GCL row indicates a GCL has not been established
 7. Shaded concentrations indicate exceedance of the 2L GWQS
 8. Only compounds which were detected are shown on table. All other compounds were BQL
 9. Please note, compounds reported in duplicate columns are the result of multiple laboratories submitting EDD data with different nomenclature. Unless BQL appears in both duplicate columns, a detection is present and that concentration is reported numerically.

APPENDIX B

LABORATORY REPORTS AND CHAIN OF CUSTODY DOCUMENTATION



Mr. Shaun Whitworth
Osage of Virginia
2618 A Colley Ave
Norfolk VA 23517

Report Number: G649-98

Client Project: CTO 013

Report Revised: June 4, 2009

Dear Mr. Whitworth:

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 at (910) 350-1903. We will be happy to answer any questions or concerns which you may have.

Thank you for using SGS Environmental Services for your analytical services. We look forward to working with you again on any additional analytical needs which you may have.

Sincerely,
SGS Environmental Services, Inc.

A handwritten signature in black ink, appearing to be 'Linda McWhirter', written over a horizontal line.

Project Manager
Linda McWhirter

6/4/09
Date

List of Reporting Abbreviations And Data Qualifiers

B = Compound also detected in batch blank

BQL = Below Quantification 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/CL = Reporting Limit / Control 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 Volatiles

by GC 602

Client Sample ID: USTRF-MW01

Analyzed By: RSB

Client Project ID: CTO 013

Date Collected: 1/7/2009 17:20

Lab Sample ID: G649-98-1A

Date Received: 1/8/2009

Lab Project ID: G649-98

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.428	1	1/14/2009	
Diisopropyl ether (DIPE)	BQL	1.00	0.391	1	1/14/2009	
Ethylbenzene	BQL	1.00	0.341	1	1/14/2009	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.778	1	1/14/2009	
Toluene	BQL	1.00	0.404	1	1/14/2009	
m/p-Xylene	BQL	2.00	0.671	1	1/14/2009	
o-Xylene	BQL	2.00	0.302	1	1/14/2009	

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	39.5	98.6

Comments:

All values corrected for dilution.

BQL = Below quantitation limit.

Reviewed By: 

GC5_WA.XLS

Results for Volatiles
by GC 602

Client Sample ID: USTRF-MW02

Analyzed By: RSB

Client Project ID: CTO 013

Date Collected: 1/7/2009 16:25

Lab Sample ID: G649-98-2A

Date Received: 1/8/2009

Lab Project ID: G649-98

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.428	1	1/14/2009	
Diisopropyl ether (DIPE)	BQL	1.00	0.391	1	1/14/2009	
Ethylbenzene	BQL	1.00	0.341	1	1/14/2009	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.778	1	1/14/2009	
Toluene	BQL	1.00	0.404	1	1/14/2009	
m/p-Xylene	BQL	2.00	0.671	1	1/14/2009	
o-Xylene	BQL	2.00	0.302	1	1/14/2009	

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	39.8	99.6

Comments:

All values corrected for dilution.

BQL = Below quantitation limit.

Results for Volatiles

by GC 602

Client Sample ID: USTRF-MW03

Analyzed By: RSB

Client Project ID: CTO 013

Date Collected: 1/7/2009 14:35

Lab Sample ID: G649-98-3A

Date Received: 1/8/2009

Lab Project ID: G649-98

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.428	1	1/14/2009	
Diisopropyl ether (DIPE)	BQL	1.00	0.391	1	1/14/2009	
Ethylbenzene	BQL	1.00	0.341	1	1/14/2009	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.778	1	1/14/2009	
Toluene	BQL	1.00	0.404	1	1/14/2009	
m/p-Xylene	BQL	2.00	0.671	1	1/14/2009	
o-Xylene	BQL	2.00	0.302	1	1/14/2009	

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	39.4	98.4

Comments:

All values corrected for dilution.

BQL = Below quantitation limit.

Results for Volatiles

by GC 602

Client Sample ID: USTRF-MW04

Analyzed By: RSB

Client Project ID: CTO 013

Date Collected: 1/7/2009 13:01

Lab Sample ID: G649-98-4A

Date Received: 1/8/2009

Lab Project ID: G649-98

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.428	1	1/14/2009	
Diisopropyl ether (DIPE)	BQL	1.00	0.391	1	1/14/2009	
Ethylbenzene	BQL	1.00	0.341	1	1/14/2009	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.778	1	1/14/2009	
Toluene	BQL	1.00	0.404	1	1/14/2009	
m/p-Xylene	BQL	2.00	0.671	1	1/14/2009	
o-Xylene	BQL	2.00	0.302	1	1/14/2009	

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	39.8	99.6

Comments:

All values corrected for dilution.

BQL = Below quantitation limit.

Results for Volatiles

by GC 602

Client Sample ID: USTRF-MW05

Analyzed By: RSB

Client Project ID: CTO 013

Date Collected: 1/8/2009 11:50

Lab Sample ID: G649-98-5C

Date Received: 1/8/2009

Lab Project ID: G649-98

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.177	1	1/15/2009	
Diisopropyl ether (DIPE)	BQL	1.00	0.253	1	1/15/2009	
Ethylbenzene	BQL	1.00	0.19	1	1/15/2009	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.306	1	1/15/2009	
Toluene	BQL	1.00	0.313	1	1/15/2009	
m/p-Xylene	BQL	2.00	0.481	1	1/15/2009	
o-Xylene	BQL	2.00	0.405	1	1/15/2009	

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: USTRF-MW10

Client Project ID: CTO 013

Lab Sample ID: G649-98-6C

Lab Project ID: G649-98

Analyzed By: RSB

Date Collected: 1/8/2009 10:11

Date Received: 1/8/2009

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	12.8	4.00	0.708	4	1/15/2009	
Diisopropyl ether (DIPE)	BQL	4.00	1.01	4	1/15/2009	
Ethylbenzene	75.6	4.00	0.76	4	1/15/2009	
Methyl-tert butyl ether (MTBE)	BQL	8.00	1.22	4	1/15/2009	
Toluene	BQL	4.00	1.25	4	1/15/2009	
m/p-Xylene	19.5	8.00	1.92	4	1/15/2009	
o-Xylene	BQL	8.00	1.62	4	1/15/2009	

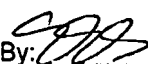
Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	40.9	102

Comments:

All values corrected for dilution.

BQL = Below quantitation limit.

Reviewed By: 

GC-VOA_WA.XLS

Results for Volatiles

by GC 602

Client Sample ID: USTRF-MW11

Client Project ID: CTO 013

Lab Sample ID: G649-98-7C

Lab Project ID: G649-98

Analyzed By: RSB

Date Collected: 1/7/2009 12:39

Date Received: 1/8/2009

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.177	1	1/14/2009	
Diisopropyl ether (DIPE)	BQL	1.00	0.253	1	1/14/2009	
Ethylbenzene	BQL	1.00	0.19	1	1/14/2009	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.306	1	1/14/2009	
Toluene	BQL	1.00	0.313	1	1/14/2009	
m/p-Xylene	BQL	2.00	0.481	1	1/14/2009	
o-Xylene	BQL	2.00	0.405	1	1/14/2009	

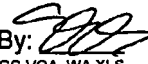
Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	40.4	101

Comments:

All values corrected for dilution.

BQL = Below quantitation limit.

Reviewed By: 

GC-VOA_WA.XLS

Results for Volatiles
by GC 602

Client Sample ID: USTRF-MW12
Client Project ID: CTO 013
Lab Sample ID: G649-98-8C
Lab Project ID: G649-98

Analyzed By: RSB
Date Collected: 1/8/2009 11:20
Date Received: 1/8/2009
Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	1.50	1.00	0.177	1	1/15/2009	
Diisopropyl ether (DIPE)	BQL	1.00	0.253	1	1/15/2009	
Ethylbenzene	8.67	1.00	0.19	1	1/15/2009	
Methyl-tert butyl ether (MTBE)	1.40	2.00	0.306	1	1/15/2009	J
Toluene	BQL	1.00	0.313	1	1/15/2009	
m/p-Xylene	2.74	2.00	0.481	1	1/15/2009	
o-Xylene	BQL	2.00	0.405	1	1/15/2009	

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: USTRF-MW13
Client Project ID: CTO 013
Lab Sample ID: G649-98-9C
Lab Project ID: G649-98

Analyzed By: RSB
Date Collected: 1/7/2009 15:24
Date Received: 1/8/2009
Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.177	1	1/15/2009	
Diisopropyl ether (DIPE)	BQL	1.00	0.253	1	1/15/2009	
Ethylbenzene	BQL	1.00	0.19	1	1/15/2009	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.306	1	1/15/2009	
Toluene	BQL	1.00	0.313	1	1/15/2009	
m/p-Xylene	BQL	2.00	0.481	1	1/15/2009	
o-Xylene	BQL	2.00	0.405	1	1/15/2009	

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: USTRF-MW14
Client Project ID: CTO 013
Lab Sample ID: G649-98-10C
Lab Project ID: G649-98

Analyzed By: RSB
Date Collected: 1/7/2009 11:45
Date Received: 1/8/2009
Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.177	1	1/15/2009	
Diisopropyl ether (DIPE)	BQL	1.00	0.253	1	1/15/2009	
Ethylbenzene	BQL	1.00	0.19	1	1/15/2009	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.306	1	1/15/2009	
Toluene	BQL	1.00	0.313	1	1/15/2009	
m/p-Xylene	BQL	2.00	0.481	1	1/15/2009	
o-Xylene	BQL	2.00	0.405	1	1/15/2009	

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: USTRF-MW15
Client Project ID: CTO 013
Lab Sample ID: G649-98-11C
Lab Project ID: G649-98

Analyzed By: RSB
Date Collected: 1/7/2009 13:15
Date Received: 1/8/2009
Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.177	1	1/15/2009	
Diisopropyl ether (DIPE)	BQL	1.00	0.253	1	1/15/2009	
Ethylbenzene	BQL	1.00	0.19	1	1/15/2009	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.306	1	1/15/2009	
Toluene	BQL	1.00	0.313	1	1/15/2009	
m/p-Xylene	BQL	2.00	0.481	1	1/15/2009	
o-Xylene	BQL	2.00	0.405	1	1/15/2009	

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: USTRF-MW17

Analyzed By: RSB

Client Project ID: CTO 013

Date Collected: 1/8/2009 13:25

Lab Sample ID: G649-98-12C

Date Received: 1/8/2009

Lab Project ID: G649-98

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	4.52	1.00	0.177	1	1/15/2009	
Diisopropyl ether (DIPE)	BQL	1.00	0.253	1	1/15/2009	
Ethylbenzene	9.67	1.00	0.19	1	1/15/2009	
Methyl-tert butyl ether (MTBE)	1.55	2.00	0.306	1	1/15/2009	J
Toluene	BQL	1.00	0.313	1	1/15/2009	
m/p-Xylene	0.575	2.00	0.481	1	1/15/2009	J
o-Xylene	BQL	2.00	0.405	1	1/15/2009	

Surrogate Spike Recoveries**Spike
Added****Spike
Result****Percent
Recovery**

Trifluorotoluene

40

40.3

101

Comments:

All values corrected for dilution.

BQL = Below quantitation limit.

Reviewed By: 

GC-VOA_WA.XLS

Results for Volatiles
by GC 602

Client Sample ID: USTRF-MW03G
Client Project ID: CTO 013
Lab Sample ID: G649-98-13C
Lab Project ID: G649-98

Analyzed By: RSB
Date Collected: 1/8/2009 13:00
Date Received: 1/8/2009
Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.177	1	1/15/2009	
Diisopropyl ether (DIPE)	BQL	1.00	0.253	1	1/15/2009	
Ethylbenzene	BQL	1.00	0.19	1	1/15/2009	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.306	1	1/15/2009	
Toluene	BQL	1.00	0.313	1	1/15/2009	
m/p-Xylene	BQL	2.00	0.481	1	1/15/2009	
o-Xylene	BQL	2.00	0.405	1	1/15/2009	

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: USTAS497-MW01

Analyzed By: RSB

Client Project ID: CTO 013

Date Collected: 1/8/2009 9:36

Lab Sample ID: G649-98-14C

Date Received: 1/8/2009

Lab Project ID: G649-98

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.177	1	1/15/2009	
Diisopropyl ether (DIPE)	BQL	1.00	0.253	1	1/15/2009	
Ethylbenzene	BQL	1.00	0.19	1	1/15/2009	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.306	1	1/15/2009	
Toluene	BQL	1.00	0.313	1	1/15/2009	
m/p-Xylene	BQL	2.00	0.481	1	1/15/2009	
o-Xylene	BQL	2.00	0.405	1	1/15/2009	

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	40.6	101

Comments:

All values corrected for dilution.

BQL = Below quantitation limit.

Results for Volatiles
by GC 602

Client Sample ID: USTAS497-MW02

Analyzed By: RSB

Client Project ID: CTO 013

Date Collected: 1/8/2009 10:23

Lab Sample ID: G649-98-15C

Date Received: 1/8/2009

Lab Project ID: G649-98

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.177	1	1/15/2009	
Diisopropyl ether (DIPE)	BQL	1.00	0.253	1	1/15/2009	
Ethylbenzene	BQL	1.00	0.19	1	1/15/2009	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.306	1	1/15/2009	
Toluene	BQL	1.00	0.313	1	1/15/2009	
m/p-Xylene	BQL	2.00	0.481	1	1/15/2009	
o-Xylene	BQL	2.00	0.405	1	1/15/2009	

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: USTAS497-MW03

Analyzed By: RSB

Client Project ID: CTO 013

Date Collected: 1/7/2009 15:21

Lab Sample ID: G649-98-16C

Date Received: 1/8/2009

Lab Project ID: G649-98

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.177	1	1/15/2009	
Diisopropyl ether (DIPE)	BQL	1.00	0.253	1	1/15/2009	
Ethylbenzene	BQL	1.00	0.19	1	1/15/2009	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.306	1	1/15/2009	
Toluene	BQL	1.00	0.313	1	1/15/2009	
m/p-Xylene	BQL	2.00	0.481	1	1/15/2009	
o-Xylene	BQL	2.00	0.405	1	1/15/2009	

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: USTAS497-MW04

Analyzed By: RSB

Client Project ID: CTO 013

Date Collected: 1/8/2009 12:53

Lab Sample ID: G649-98-17C

Date Received: 1/8/2009

Lab Project ID: G649-98

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.177	1	1/15/2009	
Diisopropyl ether (DIPE)	BQL	1.00	0.253	1	1/15/2009	
Ethylbenzene	BQL	1.00	0.19	1	1/15/2009	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.306	1	1/15/2009	
Toluene	BQL	1.00	0.313	1	1/15/2009	
m/p-Xylene	BQL	2.00	0.481	1	1/15/2009	
o-Xylene	BQL	2.00	0.405	1	1/15/2009	

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: USTAS497-MW06

Analyzed By: RSB

Client Project ID: CTO 013

Date Collected: 1/7/2009 14:45

Lab Sample ID: G649-98-18C

Date Received: 1/8/2009

Lab Project ID: G649-98

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.177	1	1/15/2009	
Diisopropyl ether (DIPE)	BQL	1.00	0.253	1	1/15/2009	
Ethylbenzene	BQL	1.00	0.19	1	1/15/2009	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.306	1	1/15/2009	
Toluene	BQL	1.00	0.313	1	1/15/2009	
m/p-Xylene	BQL	2.00	0.481	1	1/15/2009	
o-Xylene	BQL	2.00	0.405	1	1/15/2009	

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: TRIP BLANKS

Client Project ID: CTO 013

Lab Sample ID: G649-98-19C

Lab Project ID: G649-98

Analyzed By: RSB

Date Collected: 1/8/2009 15:10

Date Received: 1/8/2009

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.177	1	1/15/2009	
Diisopropyl ether (DIPE)	BQL	1.00	0.253	1	1/15/2009	
Ethylbenzene	BQL	1.00	0.19	1	1/15/2009	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.306	1	1/15/2009	
Toluene	BQL	1.00	0.313	1	1/15/2009	
m/p-Xylene	BQL	2.00	0.481	1	1/15/2009	
o-Xylene	BQL	2.00	0.405	1	1/15/2009	

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 Semivolatiles
by GCMS 625**

Client Sample ID: USTRF-MW01
Client Project ID: CTO 013
Lab Sample ID: G649-98-1F
Lab Project ID: G649-98

Analyzed By: DCS
Date Collected: 1/7/2009 17:20
Date Received: 1/8/2009
Date Extracted: 1/9/2009
Matrix: Water

Initial/Final Amt: 889 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	5.62	0.838	1	1/15/2009	
Acenaphthylene	BQL	5.62	0.838	1	1/15/2009	
Anthracene	BQL	5.62	0.984	1	1/15/2009	
Benzo[a]anthracene	BQL	5.62	0.765	1	1/15/2009	
Benzo[a]pyrene	BQL	5.62	0.714	1	1/15/2009	
Benzo[b]fluoranthene	BQL	5.62	0.804	1	1/15/2009	
Benzo[g,h,i]perylene	BQL	5.62	0.692	1	1/15/2009	
Benzo[k]fluoranthene	BQL	5.62	0.619	1	1/15/2009	
Bis(2-chloroethoxy)methane	BQL	5.62	1.16	1	1/15/2009	
Bis(2-chloroethyl)ether	BQL	5.62	1.17	1	1/15/2009	
Bis(2-chloroisopropyl)ether	BQL	5.62	1.10	1	1/15/2009	
Bis(2-ethylhexyl)phthalate	0.731	5.62	0.461	1	1/15/2009	J
4-bromophenyl phenyl ether	BQL	5.62	0.877	1	1/15/2009	
Butylbenzylphthalate	BQL	5.62	0.501	1	1/15/2009	
2-Chloronaphthalene	BQL	5.62	0.973	1	1/15/2009	
2-Chlorophenol	BQL	5.62	1.32	1	1/15/2009	
4-Chloro-3-methylphenol	BQL	5.62	0.894	1	1/15/2009	
4-Chlorophenyl phenyl ether	BQL	5.62	3.66	1	1/15/2009	
Chrysene	BQL	5.62	0.624	1	1/15/2009	
Dibenzo[a,h]anthracene	BQL	5.62	0.495	1	1/15/2009	
Di-n-Butylphthalate	BQL	5.62	0.928	1	1/15/2009	
3,3'-Dichlorobenzidine	BQL	11.2	1.37	1	1/15/2009	
2,4-Dichlorophenol	BQL	5.62	1.26	1	1/15/2009	
Diethylphthalate	BQL	5.62	0.832	1	1/15/2009	
Dimethylphthalate	BQL	5.62	0.624	1	1/15/2009	
2,4-Dimethylphenol	BQL	5.62	1.82	1	1/15/2009	
Di-n-octylphthalate	BQL	5.62	0.652	1	1/15/2009	
4,6-Dinitro-2-methylphenol	BQL	28.1	0.619	1	1/15/2009	
2,4-Dinitrophenol	BQL	28.1	0.720	1	1/15/2009	
2,4-Dinitrotoluene	BQL	5.62	0.602	1	1/15/2009	
2,6-Dinitrotoluene	BQL	5.62	0.731	1	1/15/2009	
Diphenylamine *	BQL	5.62	0.641	1	1/15/2009	
Fluoranthene	BQL	5.62	0.793	1	1/15/2009	
Fluorene	BQL	5.62	0.816	1	1/15/2009	
Hexachlorobenzene	BQL	5.62	0.568	1	1/15/2009	
Hexachlorobutadiene	BQL	5.62	0.855	1	1/15/2009	
Hexachlorocyclopentadiene	BQL	11.2	11.2	1	1/15/2009	
Hexachloroethane	BQL	5.62	0.838	1	1/15/2009	
Indeno(1,2,3-c,d)pyrene	BQL	5.62	2.57	1	1/15/2009	
Isophorone	BQL	5.62	0.996	1	1/15/2009	
Naphthalene	BQL	5.62	1.02	1	1/15/2009	
Nitrobenzene	BQL	5.62	1.18	1	1/15/2009	
2-Nitrophenol	BQL	5.62	1.38	1	1/15/2009	
4-Nitrophenol	BQL	28.1	1.21	1	1/15/2009	
N-Nitrosodi-n-propylamine	BQL	5.62	1.69	1	1/15/2009	
Pentachlorophenol	BQL	28.1	1.59	1	1/15/2009	
Phenanthrene	BQL	5.62	0.501	1	1/15/2009	

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: USTRF-MW01
 Client Project ID: CTO 013
 Lab Sample ID: G649-98-1F
 Lab Project ID: G649-98

Analyzed By: DCS
 Date Collected: 1/7/2009 17:20
 Date Received: 1/8/2009
 Date Extracted: 1/9/2009
 Matrix: Water

Initial/Final Amt: 889 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	5.62	1.19	1	1/15/2009	
Pyrene	BQL	5.62	2.32	1	1/15/2009	
1,2,4-Trichlorobenzene	BQL	5.62	0.810	1	1/15/2009	
2,4,6-Trichlorophenol	BQL	5.62	1.04	1	1/15/2009	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	9	90		
2-Fluorophenol		10	8.4	84		
Nitrobenzene-d5		10	9.3	93		
Phenol-d6		10	9	90		
2,4,6-Tribromophenol		10	8.9	89		
4-Terphenyl-d14		10	9.3	93		

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: USTRF-MW01
Client Project ID: CTO 013
Lab Sample ID: G649-98-1F
Lab Project ID: G649-98
Sample Wt/Vol: 889 ML
Dilution: 1

Analyzed By: DCS
Date Collected: 1/7/2009 17:20
Date Received: 1/8/2009
Date Analyzed: 1/15/2009
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Heptadecane	7.93	000629-78-7	90	2.61
2	Alkane, Unknown	8.86			2.55
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: USTRF-MW02
Client Project ID: CTO 013
Lab Sample ID: G649-98-2F
Lab Project ID: G649-98

Analyzed By: DCS
Date Collected: 1/7/2009 16:25
Date Received: 1/8/2009
Date Extracted: 1/9/2009
Matrix: Water

Initial/Final Amt: 940 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	5.32	0.793	1	1/15/2009	
Acenaphthylene	BQL	5.32	0.793	1	1/15/2009	
Anthracene	BQL	5.32	0.931	1	1/15/2009	
Benzo[a]anthracene	BQL	5.32	0.723	1	1/15/2009	
Benzo[a]pyrene	BQL	5.32	0.676	1	1/15/2009	
Benzo[b]fluoranthene	BQL	5.32	0.761	1	1/15/2009	
Benzo[g,h,i]perylene	BQL	5.32	0.654	1	1/15/2009	
Benzo[k]fluoranthene	BQL	5.32	0.585	1	1/15/2009	
Bis(2-chloroethoxy)methane	BQL	5.32	1.10	1	1/15/2009	
Bis(2-chloroethyl)ether	BQL	5.32	1.11	1	1/15/2009	
Bis(2-chloroisopropyl)ether	BQL	5.32	1.04	1	1/15/2009	
Bis(2-ethylhexyl)phthalate	0.798	5.32	0.436	1	1/15/2009	J
4-bromophenyl phenyl ether	BQL	5.32	0.830	1	1/15/2009	
Butylbenzylphthalate	BQL	5.32	0.473	1	1/15/2009	
2-Chloronaphthalene	BQL	5.32	0.920	1	1/15/2009	
2-Chlorophenol	BQL	5.32	1.24	1	1/15/2009	
4-Chloro-3-methylphenol	BQL	5.32	0.846	1	1/15/2009	
4-Chlorophenyl phenyl ether	BQL	5.32	3.46	1	1/15/2009	
Chrysene	BQL	5.32	0.590	1	1/15/2009	
Dibenzo[a,h]anthracene	BQL	5.32	0.468	1	1/15/2009	
Di-n-Butylphthalate	BQL	5.32	0.878	1	1/15/2009	
3,3'-Dichlorobenzidine	BQL	10.6	1.30	1	1/15/2009	
2,4-Dichlorophenol	BQL	5.32	1.19	1	1/15/2009	
Diethylphthalate	BQL	5.32	0.787	1	1/15/2009	
Dimethylphthalate	BQL	5.32	0.590	1	1/15/2009	
2,4-Dimethylphenol	BQL	5.32	1.72	1	1/15/2009	
Di-n-octylphthalate	BQL	5.32	0.617	1	1/15/2009	
4,6-Dinitro-2-methylphenol	BQL	26.6	0.585	1	1/15/2009	
2,4-Dinitrophenol	BQL	26.6	0.681	1	1/15/2009	
2,4-Dinitrotoluene	BQL	5.32	0.569	1	1/15/2009	
2,6-Dinitrotoluene	BQL	5.32	0.691	1	1/15/2009	
Diphenylamine *	BQL	5.32	0.606	1	1/15/2009	
Fluoranthene	BQL	5.32	0.750	1	1/15/2009	
Fluorene	BQL	5.32	0.771	1	1/15/2009	
Hexachlorobenzene	BQL	5.32	0.537	1	1/15/2009	
Hexachlorobutadiene	BQL	5.32	0.809	1	1/15/2009	
Hexachlorocyclopentadiene	BQL	10.6	10.6	1	1/15/2009	
Hexachloroethane	BQL	5.32	0.793	1	1/15/2009	
Indeno(1,2,3-c,d)pyrene	BQL	5.32	2.43	1	1/15/2009	
Isophorone	BQL	5.32	0.941	1	1/15/2009	
Naphthalene	BQL	5.32	0.968	1	1/15/2009	
Nitrobenzene	BQL	5.32	1.12	1	1/15/2009	
2-Nitrophenol	BQL	5.32	1.31	1	1/15/2009	
4-Nitrophenol	BQL	26.6	1.15	1	1/15/2009	
N-Nitrosodi-n-propylamine	BQL	5.32	1.60	1	1/15/2009	
Pentachlorophenol	BQL	26.6	1.51	1	1/15/2009	
Phenanthrene	BQL	5.32	0.473	1	1/15/2009	

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: USTRF-MW02
Client Project ID: CTO 013
Lab Sample ID: G649-98-2F
Lab Project ID: G649-98

Analyzed By: DCS
Date Collected: 1/7/2009 16:25
Date Received: 1/8/2009
Date Extracted: 1/9/2009
Matrix: Water

Initial/Final Amt: 940 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	5.32	1.13	1	1/15/2009	
Pyrene	BQL	5.32	2.20	1	1/15/2009	
1,2,4-Trichlorobenzene	BQL	5.32	0.766	1	1/15/2009	
2,4,6-Trichlorophenol	BQL	5.32	0.984	1	1/15/2009	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	9.2	92		
2-Fluorophenol		10	8.4	84		
Nitrobenzene-d5		10	9.2	92		
Phenol-d6		10	8.5	85		
2,4,6-Tribromophenol		10	8.8	88		
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: USTRF-MW02
Client Project ID: CTO 013
Lab Sample ID: G649-98-2F
Lab Project ID: G649-98
Sample Wt/Vol: 940 ML
Dilution: 1

Analyzed By: DCS
Date Collected: 1/7/2009 16:25
Date Received: 1/8/2009

Date Analyzed: 1/15/2009
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Alkane, Unknown	5.57			4.83
2	Alkane, Unknown	6.68			3.66
3	Eicosane	7.93	000112-95-8	91	3.33
4	Hexadecane	8.86	000544-76-3	90	3.17
5	Phthalic anhydride	5.90	000085-44-9	91	2.71
6	Alkane, Unknown	5.74			2.45
7	Unknown	6.34			2.35
8	Alkane, Unknown	8.41			2.33
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: USTRF-MW03
Client Project ID: CTO 013
Lab Sample ID: G649-98-3F
Lab Project ID: G649-98

Analyzed By: DCS
Date Collected: 1/7/2009 14:35
Date Received: 1/8/2009
Date Extracted: 1/9/2009
Matrix: Water

Initial/Final Amt: 914 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	5.47	0.815	1	1/15/2009	
Acenaphthylene	BQL	5.47	0.815	1	1/15/2009	
Anthracene	BQL	5.47	0.957	1	1/15/2009	
Benzo[a]anthracene	BQL	5.47	0.744	1	1/15/2009	
Benzo[a]pyrene	BQL	5.47	0.695	1	1/15/2009	
Benzo[b]fluoranthene	BQL	5.47	0.782	1	1/15/2009	
Benzo[g,h,i]perylene	BQL	5.47	0.673	1	1/15/2009	
Benzo[k]fluoranthene	BQL	5.47	0.602	1	1/15/2009	
Bis(2-chloroethoxy)methane	BQL	5.47	1.13	1	1/15/2009	
Bis(2-chloroethyl)ether	BQL	5.47	1.14	1	1/15/2009	
Bis(2-chloroisopropyl)ether	BQL	5.47	1.07	1	1/15/2009	
Bis(2-ethylhexyl)phthalate	BQL	5.47	0.449	1	1/15/2009	
4-bromophenyl phenyl ether	BQL	5.47	0.853	1	1/15/2009	
Butylbenzylphthalate	BQL	5.47	0.487	1	1/15/2009	
2-Chloronaphthalene	BQL	5.47	0.946	1	1/15/2009	
2-Chlorophenol	BQL	5.47	1.28	1	1/15/2009	
4-Chloro-3-methylphenol	BQL	5.47	0.870	1	1/15/2009	
4-Chlorophenyl phenyl ether	BQL	5.47	3.56	1	1/15/2009	
Chrysene	BQL	5.47	0.607	1	1/15/2009	
Dibenzo[a,h]anthracene	BQL	5.47	0.481	1	1/15/2009	
Di-n-Butylphthalate	BQL	5.47	0.903	1	1/15/2009	
3,3'-Dichlorobenzidine	BQL	10.9	1.33	1	1/15/2009	
2,4-Dichlorophenol	BQL	5.47	1.23	1	1/15/2009	
Diethylphthalate	BQL	5.47	0.810	1	1/15/2009	
Dimethylphthalate	BQL	5.47	0.607	1	1/15/2009	
2,4-Dimethylphenol	BQL	5.47	1.77	1	1/15/2009	
Di-n-octylphthalate	BQL	5.47	0.635	1	1/15/2009	
4,6-Dinitro-2-methylphenol	BQL	27.4	0.602	1	1/15/2009	
2,4-Dinitrophenol	BQL	27.4	0.700	1	1/15/2009	
2,4-Dinitrotoluene	BQL	5.47	0.585	1	1/15/2009	
2,6-Dinitrotoluene	BQL	5.47	0.711	1	1/15/2009	
Diphenylamine *	BQL	5.47	0.624	1	1/15/2009	
Fluoranthene	BQL	5.47	0.771	1	1/15/2009	
Fluorene	BQL	5.47	0.793	1	1/15/2009	
Hexachlorobenzene	BQL	5.47	0.553	1	1/15/2009	
Hexachlorobutadiene	BQL	5.47	0.832	1	1/15/2009	
Hexachlorocyclopentadiene	BQL	10.9	10.9	1	1/15/2009	
Hexachloroethane	BQL	5.47	0.815	1	1/15/2009	
Indeno(1,2,3-c,d)pyrene	BQL	5.47	2.50	1	1/15/2009	
Isophorone	BQL	5.47	0.968	1	1/15/2009	
Naphthalene	BQL	5.47	0.996	1	1/15/2009	
Nitrobenzene	BQL	5.47	1.15	1	1/15/2009	
2-Nitrophenol	BQL	5.47	1.35	1	1/15/2009	
4-Nitrophenol	BQL	27.4	1.18	1	1/15/2009	
N-Nitrosodi-n-propylamine	BQL	5.47	1.64	1	1/15/2009	
Pentachlorophenol	BQL	27.4	1.55	1	1/15/2009	
Phenanthrene	BQL	5.47	0.487	1	1/15/2009	

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: USTRF-MW03
Client Project ID: CTO 013
Lab Sample ID: G649-98-3F
Lab Project ID: G649-98

Analyzed By: DCS
Date Collected: 1/7/2009 14:35
Date Received: 1/8/2009
Date Extracted: 1/9/2009
Matrix: Water

Initial/Final Amt: 914 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	5.47	1.16	1	1/15/2009	
Pyrene	BQL	5.47	2.26	1	1/15/2009	
1,2,4-Trichlorobenzene	BQL	5.47	0.788	1	1/15/2009	
2,4,6-Trichlorophenol	BQL	5.47	1.01	1	1/15/2009	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	9.4	94		
2-Fluorophenol		10	8.2	82		
Nitrobenzene-d5		10	9.4	94		
Phenol-d6		10	8.6	86		
2,4,6-Tribromophenol		10	8.3	83		
4-Terphenyl-d14		10	9.5	95		

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: USTRF-MW03
Client Project ID: CTO 013
Lab Sample ID: G649-98-3F
Lab Project ID: G649-98
Sample Wt/Vol: 914 ML
Dilution: 1

Analyzed By: DCS
Date Collected: 1/7/2009 14:35
Date Received: 1/8/2009

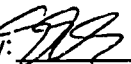
Date Analyzed: 1/15/2009
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Pentadecane	8.86	000629-62-9	91	2.25
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: USTRF-MW04
Client Project ID: CTO 013
Lab Sample ID: G649-98-4F
Lab Project ID: G649-98

Analyzed By: DCS
Date Collected: 1/7/2009 13:01
Date Received: 1/8/2009
Date Extracted: 1/9/2009
Matrix: Water

Initial/Final Amt: 923 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	5.42	0.807	1	1/15/2009	
Acenaphthylene	BQL	5.42	0.807	1	1/15/2009	
Anthracene	BQL	5.42	0.948	1	1/15/2009	
Benzo[a]anthracene	BQL	5.42	0.737	1	1/15/2009	
Benzo[a]pyrene	BQL	5.42	0.688	1	1/15/2009	
Benzo[b]fluoranthene	BQL	5.42	0.775	1	1/15/2009	
Benzo[g,h,i]perylene	BQL	5.42	0.666	1	1/15/2009	
Benzo[k]fluoranthene	BQL	5.42	0.596	1	1/15/2009	
Bis(2-chloroethoxy)methane	BQL	5.42	1.12	1	1/15/2009	
Bis(2-chloroethyl)ether	BQL	5.42	1.13	1	1/15/2009	
Bis(2-chloroisopropyl)ether	BQL	5.42	1.06	1	1/15/2009	
Bis(2-ethylhexyl)phthalate	0.542	5.42	0.444	1	1/15/2009	J
4-bromophenyl phenyl ether	BQL	5.42	0.845	1	1/15/2009	
Butylbenzylphthalate	BQL	5.42	0.482	1	1/15/2009	
2-Chloronaphthalene	BQL	5.42	0.937	1	1/15/2009	
2-Chlorophenol	BQL	5.42	1.27	1	1/15/2009	
4-Chloro-3-methylphenol	BQL	5.42	0.861	1	1/15/2009	
4-Chlorophenyl phenyl ether	BQL	5.42	3.53	1	1/15/2009	
Chrysene	BQL	5.42	0.601	1	1/15/2009	
Dibenzo[a,h]anthracene	BQL	5.42	0.477	1	1/15/2009	
Di-n-Butylphthalate	BQL	5.42	0.894	1	1/15/2009	
3,3'-Dichlorobenzidine	BQL	10.8	1.32	1	1/15/2009	
2,4-Dichlorophenol	BQL	5.42	1.21	1	1/15/2009	
Diethylphthalate	BQL	5.42	0.802	1	1/15/2009	
Dimethylphthalate	BQL	5.42	0.601	1	1/15/2009	
2,4-Dimethylphenol	BQL	5.42	1.76	1	1/15/2009	
Di-n-octylphthalate	BQL	5.42	0.628	1	1/15/2009	
4,6-Dinitro-2-methylphenol	BQL	27.1	0.596	1	1/15/2009	
2,4-Dinitrophenol	BQL	27.1	0.693	1	1/15/2009	
2,4-Dinitrotoluene	BQL	5.42	0.580	1	1/15/2009	
2,6-Dinitrotoluene	BQL	5.42	0.704	1	1/15/2009	
Diphenylamine *	BQL	5.42	0.618	1	1/15/2009	
Fluoranthene	BQL	5.42	0.764	1	1/15/2009	
Fluorene	BQL	5.42	0.785	1	1/15/2009	
Hexachlorobenzene	BQL	5.42	0.547	1	1/15/2009	
Hexachlorobutadiene	BQL	5.42	0.823	1	1/15/2009	
Hexachlorocyclopentadiene	BQL	10.8	10.8	1	1/15/2009	
Hexachloroethane	BQL	5.42	0.807	1	1/15/2009	
Indeno(1,2,3-c,d)pyrene	BQL	5.42	2.48	1	1/15/2009	
Isophorone	BQL	5.42	0.959	1	1/15/2009	
Naphthalene	BQL	5.42	0.986	1	1/15/2009	
Nitrobenzene	BQL	5.42	1.14	1	1/15/2009	
2-Nitrophenol	BQL	5.42	1.33	1	1/15/2009	
4-Nitrophenol	BQL	27.1	1.17	1	1/15/2009	
N-Nitrosodi-n-propylamine	BQL	5.42	1.63	1	1/15/2009	
Pentachlorophenol	BQL	27.1	1.53	1	1/15/2009	
Phenanthrene	BQL	5.42	0.482	1	1/15/2009	

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: USTRF-MW04
Client Project ID: CTO 013
Lab Sample ID: G649-98-4F
Lab Project ID: G649-98

Analyzed By: DCS
Date Collected: 1/7/2009 13:01
Date Received: 1/8/2009
Date Extracted: 1/9/2009
Matrix: Water

Initial/Final Amt: 923 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	5.42	1.15	1	1/15/2009	
Pyrene	BQL	5.42	2.24	1	1/15/2009	
1,2,4-Trichlorobenzene	BQL	5.42	0.780	1	1/15/2009	
2,4,6-Trichlorophenol	BQL	5.42	1.00	1	1/15/2009	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	9.7	97		
2-Fluorophenol		10	8.4	84		
Nitrobenzene-d5		10	9.7	97		
Phenol-d6		10	8.7	87		
2,4,6-Tribromophenol		10	9.3	93		
4-Terphenyl-d14		10	9.9	99		

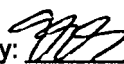
Comments:

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

Flags:

BQL = Below Quantitation Limits.

J = Detected below the quantitation limit.

Reviewed By: 

Results of Library Search for Semivolatile Compounds
by GCMS

Client Sample ID: USTRF-MW04
Client Project ID: CTO 013
Lab Sample ID: G649-98-4F
Lab Project ID: G649-98
Sample Wt/Vol: 923 ML
Dilution: 1

Analyzed By: DCS
Date Collected: 1/7/2009 13:01
Date Received: 1/8/2009

Date Analyzed: 1/15/2009
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Alkane, Unknown	8.86			3.41
2	Heptadecane	7.93	000629-78-7	91	3.36
3	Heptadecane	7.43	000629-78-7	90	2.88
4	Unknown	10.74			2.81
5	Hexatriacontane	9.30	000630-06-8	91	2.24
6	Unknown	6.34			2.18
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: USTRF-MW05
Client Project ID: CTO 013
Lab Sample ID: G649-98-5F
Lab Project ID: G649-98

Analyzed By: DCS
Date Collected: 1/8/2009 11:50
Date Received: 1/8/2009
Date Extracted: 1/9/2009
Matrix: Water

Initial/Final Amt: 927 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	5.39	0.804	1	1/15/2009	
Acenaphthylene	BQL	5.39	0.804	1	1/15/2009	
Anthracene	BQL	5.39	0.944	1	1/15/2009	
Benzo[a]anthracene	BQL	5.39	0.734	1	1/15/2009	
Benzo[a]pyrene	BQL	5.39	0.685	1	1/15/2009	
Benzo[b]fluoranthene	BQL	5.39	0.771	1	1/15/2009	
Benzo[g,h,i]perylene	BQL	5.39	0.663	1	1/15/2009	
Benzo[k]fluoranthene	BQL	5.39	0.593	1	1/15/2009	
Bis(2-chloroethoxy)methane	BQL	5.39	1.11	1	1/15/2009	
Bis(2-chloroethyl)ether	BQL	5.39	1.12	1	1/15/2009	
Bis(2-chloroisopropyl)ether	BQL	5.39	1.05	1	1/15/2009	
Bis(2-ethylhexyl)phthalate	0.593	5.39	0.442	1	1/15/2009	J
4-bromophenyl phenyl ether	BQL	5.39	0.841	1	1/15/2009	
Butylbenzylphthalate	BQL	5.39	0.480	1	1/15/2009	
2-Chloronaphthalene	BQL	5.39	0.933	1	1/15/2009	
2-Chlorophenol	BQL	5.39	1.26	1	1/15/2009	
4-Chloro-3-methylphenol	BQL	5.39	0.858	1	1/15/2009	
4-Chlorophenyl phenyl ether	BQL	5.39	3.51	1	1/15/2009	
Chrysene	BQL	5.39	0.599	1	1/15/2009	
Dibenzo[a,h]anthracene	BQL	5.39	0.475	1	1/15/2009	
Di-n-Butylphthalate	BQL	5.39	0.890	1	1/15/2009	
3,3'-Dichlorobenzidine	BQL	10.8	1.32	1	1/15/2009	
2,4-Dichlorophenol	BQL	5.39	1.21	1	1/15/2009	
Diethylphthalate	BQL	5.39	0.798	1	1/15/2009	
Dimethylphthalate	BQL	5.39	0.599	1	1/15/2009	
2,4-Dimethylphenol	BQL	5.39	1.75	1	1/15/2009	
Di-n-octylphthalate	BQL	5.39	0.626	1	1/15/2009	
4,6-Dinitro-2-methylphenol	BQL	27.0	0.593	1	1/15/2009	
2,4-Dinitrophenol	BQL	27.0	0.690	1	1/15/2009	
2,4-Dinitrotoluene	BQL	5.39	0.577	1	1/15/2009	
2,6-Dinitrotoluene	BQL	5.39	0.701	1	1/15/2009	
Diphenylamine *	BQL	5.39	0.615	1	1/15/2009	
Fluoranthene	BQL	5.39	0.761	1	1/15/2009	
Fluorene	BQL	5.39	0.782	1	1/15/2009	
Hexachlorobenzene	BQL	5.39	0.545	1	1/15/2009	
Hexachlorobutadiene	BQL	5.39	0.820	1	1/15/2009	
Hexachlorocyclopentadiene	BQL	10.8	10.8	1	1/15/2009	
Hexachloroethane	BQL	5.39	0.804	1	1/15/2009	
Indeno(1,2,3-c,d)pyrene	BQL	5.39	2.46	1	1/15/2009	
Isophorone	BQL	5.39	0.955	1	1/15/2009	
Naphthalene	32.2	5.39	0.982	1	1/15/2009	
Nitrobenzene	BQL	5.39	1.13	1	1/15/2009	
2-Nitrophenol	BQL	5.39	1.33	1	1/15/2009	
4-Nitrophenol	BQL	27.0	1.17	1	1/15/2009	
N-Nitrosodi-n-propylamine	BQL	5.39	1.62	1	1/15/2009	
Pentachlorophenol	BQL	27.0	1.53	1	1/15/2009	
Phenanthrene	BQL	5.39	0.480	1	1/15/2009	

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: USTRF-MW05
Client Project ID: CTO 013
Lab Sample ID: G649-98-5F
Lab Project ID: G649-98

Analyzed By: DCS
Date Collected: 1/8/2009 11:50
Date Received: 1/8/2009
Date Extracted: 1/9/2009
Matrix: Water

Initial/Final Amt: 927 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	5.39	1.14	1	1/15/2009	
Pyrene	BQL	5.39	2.23	1	1/15/2009	
1,2,4-Trichlorobenzene	BQL	5.39	0.777	1	1/15/2009	
2,4,6-Trichlorophenol	BQL	5.39	0.998	1	1/15/2009	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	9.6	96		
2-Fluorophenol		10	9	90		
Nitrobenzene-d5		10	9.9	99		
Phenol-d6		10	9.4	94		
2,4,6-Tribromophenol		10	9.2	92		
4-Terphenyl-d14		10	9.8	98		

Comments:

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

Flags:

BQL = Below Quantitation Limits.

J = Detected below the quantitation limit.

Reviewed By: 

Results of Library Search for Semivolatile Compounds
by GCMS

Client Sample ID: USTRF-MW05
Client Project ID: CTO 013
Lab Sample ID: G649-98-5F
Lab Project ID: G649-98
Sample Wt/Vol: 927 ML
Dilution: 1

Analyzed By: DCS
Date Collected: 1/8/2009 11:50
Date Received: 1/8/2009

Date Analyzed: 1/15/2009
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Aromatic, Unknown	4.87			14.1
2	Unknown	7.06			12.5
3	Benzoic acid, 3,5-dimethyl-	6.04	000499-06-9	90	10.3
4	Aromatic, Unknown	4.08			10
5	Unknown	6.87			9.1
6	Naphthalene, 1,2,3,4-tetrahydro-	4.96	000119-64-2	97	7.56
7	Alkane, Unknown	6.57			7.28
8	Unknown	7.30			6.98
9	Unknown	7.60			6.37
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: USTRF-MW10
Client Project ID: CTO 013
Lab Sample ID: G649-98-6F
Lab Project ID: G649-98

Analyzed By: DCS
Date Collected: 1/8/2009 10:11
Date Received: 1/8/2009
Date Extracted: 1/9/2009
Matrix: Water

Initial/Final Amt: 929 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	53.8	8.02	10	1/19/2009	
Acenaphthylene	BQL	53.8	8.02	10	1/19/2009	
Anthracene	BQL	53.8	9.42	10	1/19/2009	
Benzo[a]anthracene	BQL	53.8	7.32	10	1/19/2009	
Benzo[a]pyrene	BQL	53.8	6.84	10	1/19/2009	
Benzo[b]fluoranthene	BQL	53.8	7.70	10	1/19/2009	
Benzo[g,h,i]perylene	BQL	53.8	6.62	10	1/19/2009	
Benzo[k]fluoranthene	BQL	53.8	5.92	10	1/19/2009	
Bis(2-chloroethoxy)methane	BQL	53.8	11.1	10	1/19/2009	
Bis(2-chloroethyl)ether	BQL	53.8	11.2	10	1/19/2009	
Bis(2-chloroisopropyl)ether	BQL	53.8	10.5	10	1/19/2009	
Bis(2-ethylhexyl)phthalate	BQL	53.8	4.41	10	1/19/2009	
4-bromophenyl phenyl ether	BQL	53.8	8.40	10	1/19/2009	
Butylbenzylphthalate	BQL	53.8	4.79	10	1/19/2009	
2-Chloronaphthalene	BQL	53.8	9.31	10	1/19/2009	
2-Chlorophenol	BQL	53.8	12.6	10	1/19/2009	
4-Chloro-3-methylphenol	BQL	53.8	8.56	10	1/19/2009	
4-Chlorophenyl phenyl ether	BQL	53.8	35.0	10	1/19/2009	
Chrysene	BQL	53.8	5.97	10	1/19/2009	
Dibenzo[a,h]anthracene	BQL	53.8	4.74	10	1/19/2009	
Di-n-Butylphthalate	BQL	53.8	8.88	10	1/19/2009	
3,3'-Dichlorobenzidine	BQL	108	13.1	10	1/19/2009	
2,4-Dichlorophenol	BQL	53.8	12.1	10	1/19/2009	
Diethylphthalate	BQL	53.8	7.97	10	1/19/2009	
Dimethylphthalate	BQL	53.8	5.97	10	1/19/2009	
2,4-Dimethylphenol	BQL	53.8	17.4	10	1/19/2009	
Di-n-octylphthalate	BQL	53.8	6.24	10	1/19/2009	
4,6-Dinitro-2-methylphenol	BQL	269	5.92	10	1/19/2009	
2,4-Dinitrophenol	BQL	269	6.89	10	1/19/2009	
2,4-Dinitrotoluene	BQL	53.8	5.76	10	1/19/2009	
2,6-Dinitrotoluene	BQL	53.8	7.00	10	1/19/2009	
Diphenylamine *	BQL	53.8	6.14	10	1/19/2009	
Fluoranthene	BQL	53.8	7.59	10	1/19/2009	
Fluorene	BQL	53.8	7.80	10	1/19/2009	
Hexachlorobenzene	BQL	53.8	5.44	10	1/19/2009	
Hexachlorobutadiene	BQL	53.8	8.18	10	1/19/2009	
Hexachlorocyclopentadiene	BQL	108	108	10	1/19/2009	
Hexachloroethane	BQL	53.8	8.02	10	1/19/2009	
Indeno(1,2,3-c,d)pyrene	BQL	53.8	24.6	10	1/19/2009	
Isophorone	BQL	53.8	9.53	10	1/19/2009	
Naphthalene	447	53.8	9.80	10	1/19/2009	
Nitrobenzene	BQL	53.8	11.3	10	1/19/2009	
2-Nitrophenol	BQL	53.8	13.2	10	1/19/2009	
4-Nitrophenol	BQL	269	11.6	10	1/19/2009	
N-Nitrosodi-n-propylamine	BQL	53.8	16.1	10	1/19/2009	
Pentachlorophenol	BQL	269	15.2	10	1/19/2009	
Phenanthrene	BQL	53.8	4.79	10	1/19/2009	

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: USTRF-MW10
Client Project ID: CTO 013
Lab Sample ID: G649-98-6F
Lab Project ID: G649-98

Analyzed By: DCS
Date Collected: 1/8/2009 10:11
Date Received: 1/8/2009
Date Extracted: 1/9/2009
Matrix: Water

Initial/Final Amt: 929 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	53.8	11.4	10	1/19/2009	
Pyrene	BQL	53.8	22.2	10	1/19/2009	
1,2,4-Trichlorobenzene	BQL	53.8	7.75	10	1/19/2009	
2,4,6-Trichlorophenol	BQL	53.8	9.96	10	1/19/2009	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		1	NA	NA		
2-Fluorophenol		1	NA	NA		
Nitrobenzene-d5		1	NA	NA		
Phenol-d6		1	NA	NA		
2,4,6-Tribromophenol		1	NA	NA		
4-Terphenyl-d14		1	NA	NA		

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: USTRF-MW10
Client Project ID: CTO 013
Lab Sample ID: G649-98-6F
Lab Project ID: G649-98
Sample Wt/Vol: 929 ML
Dilution: 10

Analyzed By: DCS
Date Collected: 1/8/2009 10:11
Date Received: 1/8/2009

Date Analyzed: 1/19/2009
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Aromatic, Unknown	4.83			142
2	Naphthalene, 1,2,3,4-tetrahydro-	4.93	000119-64-2	97	87.1
3	Hexadecanoic acid	9.09	000057-10-3	97	85
4	Benzoic acid, 2,4-dimethyl-	6.01	000611-01-8	91	55.3
5	Alkane, Unknown	4.05			47.5
6	Naphthalene, 2,3-dimethyl-	6.54	000581-40-8	98	46.5
7	Unknown	5.34			44.6
8	Naphthalene, 1,3-dimethyl-	6.46	000575-41-7	98	43.5
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: USTRF-MW11
Client Project ID: CTO 013
Lab Sample ID: G649-98-7F
Lab Project ID: G649-98

Analyzed By: DCS
Date Collected: 1/7/2009 12:39
Date Received: 1/8/2009
Date Extracted: 1/9/2009
Matrix: Water

Initial/Final Amt: 978 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	5.11	0.762	1	1/16/2009	
Acenaphthylene	BQL	5.11	0.762	1	1/16/2009	
Anthracene	BQL	5.11	0.895	1	1/16/2009	
Benzo[a]anthracene	BQL	5.11	0.695	1	1/16/2009	
Benzo[a]pyrene	BQL	5.11	0.649	1	1/16/2009	
Benzo[b]fluoranthene	BQL	5.11	0.731	1	1/16/2009	
Benzo[g,h,i]perylene	BQL	5.11	0.629	1	1/16/2009	
Benzo[k]fluoranthene	BQL	5.11	0.562	1	1/16/2009	
Bis(2-chloroethoxy)methane	BQL	5.11	1.05	1	1/16/2009	
Bis(2-chloroethyl)ether	BQL	5.11	1.06	1	1/16/2009	
Bis(2-chloroisopropyl)ether	BQL	5.11	0.997	1	1/16/2009	
Bis(2-ethylhexyl)phthalate	BQL	5.11	0.419	1	1/16/2009	
4-bromophenyl phenyl ether	BQL	5.11	0.798	1	1/16/2009	
Butylbenzylphthalate	BQL	5.11	0.455	1	1/16/2009	
2-Chloronaphthalene	BQL	5.11	0.884	1	1/16/2009	
2-Chlorophenol	BQL	5.11	1.20	1	1/16/2009	
4-Chloro-3-methylphenol	BQL	5.11	0.813	1	1/16/2009	
4-Chlorophenyl phenyl ether	BQL	5.11	3.33	1	1/16/2009	
Chrysene	BQL	5.11	0.567	1	1/16/2009	
Dibenzo[a,h]anthracene	BQL	5.11	0.450	1	1/16/2009	
Di-n-Butylphthalate	BQL	5.11	0.844	1	1/16/2009	
3,3'-Dichlorobenzidine	BQL	10.2	1.25	1	1/16/2009	
2,4-Dichlorophenol	BQL	5.11	1.15	1	1/16/2009	
Diethylphthalate	BQL	5.11	0.757	1	1/16/2009	
Dimethylphthalate	BQL	5.11	0.567	1	1/16/2009	
2,4-Dimethylphenol	BQL	5.11	1.66	1	1/16/2009	
Di-n-octylphthalate	BQL	5.11	0.593	1	1/16/2009	
4,6-Dinitro-2-methylphenol	BQL	25.6	0.562	1	1/16/2009	
2,4-Dinitrophenol	BQL	25.6	0.654	1	1/16/2009	
2,4-Dinitrotoluene	BQL	5.11	0.547	1	1/16/2009	
2,6-Dinitrotoluene	BQL	5.11	0.665	1	1/16/2009	
Diphenylamine *	BQL	5.11	0.583	1	1/16/2009	
Fluoranthene	BQL	5.11	0.721	1	1/16/2009	
Fluorene	BQL	5.11	0.741	1	1/16/2009	
Hexachlorobenzene	BQL	5.11	0.516	1	1/16/2009	
Hexachlorobutadiene	BQL	5.11	0.777	1	1/16/2009	
Hexachlorocyclopentadiene	BQL	10.2	10.2	1	1/16/2009	
Hexachloroethane	BQL	5.11	0.762	1	1/16/2009	
Indeno(1,2,3-c,d)pyrene	BQL	5.11	2.34	1	1/16/2009	
Isophorone	BQL	5.11	0.905	1	1/16/2009	
Naphthalene	BQL	5.11	0.930	1	1/16/2009	
Nitrobenzene	BQL	5.11	1.07	1	1/16/2009	
2-Nitrophenol	BQL	5.11	1.26	1	1/16/2009	
4-Nitrophenol	BQL	25.6	1.10	1	1/16/2009	
N-Nitrosodi-n-propylamine	BQL	5.11	1.53	1	1/16/2009	
Pentachlorophenol	BQL	25.6	1.45	1	1/16/2009	
Phenanthrene	BQL	5.11	0.455	1	1/16/2009	

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: USTRF-MW11
Client Project ID: CTO 013
Lab Sample ID: G649-98-7F
Lab Project ID: G649-98

Analyzed By: DCS
Date Collected: 1/7/2009 12:39
Date Received: 1/8/2009
Date Extracted: 1/9/2009
Matrix: Water

Initial/Final Amt: 978 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	5.11	1.08	1	1/16/2009	
Pyrene	BQL	5.11	2.11	1	1/16/2009	
1,2,4-Trichlorobenzene	BQL	5.11	0.736	1	1/16/2009	
2,4,6-Trichlorophenol	BQL	5.11	0.946	1	1/16/2009	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	8.7	87		
2-Fluorophenol		10	8.3	83		
Nitrobenzene-d5		10	9.1	91		
Phenol-d6		10	8.4	84		
2,4,6-Tribromophenol		10	8.4	84		
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: USTRF-MW11
Client Project ID: CTO 013
Lab Sample ID: G649-98-7F
Lab Project ID: G649-98
Sample Wt/Vol: 978 ML
Dilution: 1

Analyzed By: DCS
Date Collected: 1/7/2009 12:39
Date Received: 1/8/2009

Date Analyzed: 1/16/2009
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Eicosane	8.86	000112-95-8	91	3.41
2	Eicosane	7.93	000112-95-8	91	3.34
3	Hexatriacontane	7.43	000630-06-8	90	2.54
4	Octadecane	8.41	000593-45-3	91	2.46
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: USTRF-MW12
Client Project ID: CTO 013
Lab Sample ID: G649-98-8F
Lab Project ID: G649-98

Analyzed By: DCS
Date Collected: 1/8/2009 11:20
Date Received: 1/8/2009
Date Extracted: 1/9/2009
Matrix: Water

Initial/Final Amt: 988 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	50.6	7.54	10	1/19/2009	
Acenaphthylene	BQL	50.6	7.54	10	1/19/2009	
Anthracene	BQL	50.6	8.86	10	1/19/2009	
Benzo[a]anthracene	BQL	50.6	6.88	10	1/19/2009	
Benzo[a]pyrene	BQL	50.6	6.43	10	1/19/2009	
Benzo[b]fluoranthene	BQL	50.6	7.24	10	1/19/2009	
Benzo[g,h,i]perylene	BQL	50.6	6.22	10	1/19/2009	
Benzo[k]fluoranthene	BQL	50.6	5.57	10	1/19/2009	
Bis(2-chloroethoxy)methane	BQL	50.6	10.4	10	1/19/2009	
Bis(2-chloroethyl)ether	BQL	50.6	10.5	10	1/19/2009	
Bis(2-chloroisopropyl)ether	BQL	50.6	9.87	10	1/19/2009	
Bis(2-ethylhexyl)phthalate	BQL	50.6	4.15	10	1/19/2009	
4-bromophenyl phenyl ether	BQL	50.6	7.89	10	1/19/2009	
Butylbenzylphthalate	BQL	50.6	4.50	10	1/19/2009	
2-Chloronaphthalene	BQL	50.6	8.76	10	1/19/2009	
2-Chlorophenol	BQL	50.6	11.8	10	1/19/2009	
4-Chloro-3-methylphenol	BQL	50.6	8.05	10	1/19/2009	
4-Chlorophenyl phenyl ether	BQL	50.6	32.9	10	1/19/2009	
Chrysene	BQL	50.6	5.62	10	1/19/2009	
Dibenzo[a,h]anthracene	BQL	50.6	4.45	10	1/19/2009	
Di-n-Butylphthalate	BQL	50.6	8.35	10	1/19/2009	
3,3'-Dichlorobenzidine	BQL	101	12.3	10	1/19/2009	
2,4-Dichlorophenol	BQL	50.6	11.3	10	1/19/2009	
Diethylphthalate	BQL	50.6	7.49	10	1/19/2009	
Dimethylphthalate	BQL	50.6	5.62	10	1/19/2009	
2,4-Dimethylphenol	BQL	50.6	16.4	10	1/19/2009	
Di-n-octylphthalate	BQL	50.6	5.87	10	1/19/2009	
4,6-Dinitro-2-methylphenol	BQL	253	5.57	10	1/19/2009	
2,4-Dinitrophenol	BQL	253	6.48	10	1/19/2009	
2,4-Dinitrotoluene	BQL	50.6	5.41	10	1/19/2009	
2,6-Dinitrotoluene	BQL	50.6	6.58	10	1/19/2009	
Diphenylamine *	BQL	50.6	5.77	10	1/19/2009	
Fluoranthene	BQL	50.6	7.14	10	1/19/2009	
Fluorene	BQL	50.6	7.34	10	1/19/2009	
Hexachlorobenzene	BQL	50.6	5.11	10	1/19/2009	
Hexachlorobutadiene	BQL	50.6	7.69	10	1/19/2009	
Hexachlorocyclopentadiene	BQL	101	101	10	1/19/2009	
Hexachloroethane	BQL	50.6	7.54	10	1/19/2009	
Indeno(1,2,3-c,d)pyrene	BQL	50.6	23.1	10	1/19/2009	
Isophorone	BQL	50.6	8.96	10	1/19/2009	
Naphthalene	178	50.6	9.21	10	1/19/2009	
Nitrobenzene	BQL	50.6	10.6	10	1/19/2009	
2-Nitrophenol	BQL	50.6	12.4	10	1/19/2009	
4-Nitrophenol	BQL	253	10.9	10	1/19/2009	
N-Nitrosodi-n-propylamine	BQL	50.6	15.2	10	1/19/2009	
Pentachlorophenol	BQL	253	14.3	10	1/19/2009	
Phenanthrene	BQL	50.6	4.50	10	1/19/2009	

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: USTRF-MW12
Client Project ID: CTO 013
Lab Sample ID: G649-98-8F
Lab Project ID: G649-98

Analyzed By: DCS
Date Collected: 1/8/2009 11:20
Date Received: 1/8/2009
Date Extracted: 1/9/2009
Matrix: Water

Initial/Final Amt: 988 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	50.6	10.7	10	1/19/2009	
Pyrene	BQL	50.6	20.9	10	1/19/2009	
1,2,4-Trichlorobenzene	BQL	50.6	7.29	10	1/19/2009	
2,4,6-Trichlorophenol	BQL	50.6	9.36	10	1/19/2009	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		1	NA	NA		
2-Fluorophenol		1	NA	NA		
Nitrobenzene-d5		1	NA	NA		
Phenol-d6		1	NA	NA		
2,4,6-Tribromophenol		1	NA	NA		
4-Terphenyl-d14		1	NA	NA		

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: USTRF-MW12
Client Project ID: CTO 013
Lab Sample ID: G649-98-8F
Lab Project ID: G649-98
Sample Wt/Vol: 988 ML
Dilution: 10

Analyzed By: DCS
Date Collected: 1/8/2009 11:20
Date Received: 1/8/2009

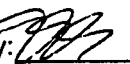
Date Analyzed: 1/19/2009
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Unknown	4.83			122
2	Aromatic, Unknown	4.05			81.1
3	Unknown	7.02			79.8
4	Naphthalene, 1,2,3,4-tetrahydro-	4.93	000119-64-2	93	61.1
5	Benzene, 2-ethyl-1,4-dimethyl-	4.32	001758-88-9	90	49.7
6	Naphthalene, 2,7-dimethyl-	6.46	000582-16-1	95	48.4
7	Benzene, 1-methyl-2-(1-methylethyl)-	4.30	000527-84-4	94	46.4
8	Naphthalene, 1,7-dimethyl-	6.54	000575-37-1	97	46.4
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: USTRF-MW13
Client Project ID: CTO 013
Lab Sample ID: G649-98-9F
Lab Project ID: G649-98

Analyzed By: DCS
Date Collected: 1/7/2009 15:24
Date Received: 1/8/2009
Date Extracted: 1/9/2009
Matrix: Water

Initial/Final Amt: 989 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	5.06	0.753	1	1/16/2009	
Acenaphthylene	BQL	5.06	0.753	1	1/16/2009	
Anthracene	BQL	5.06	0.885	1	1/16/2009	
Benzo[a]anthracene	BQL	5.06	0.688	1	1/16/2009	
Benzo[a]pyrene	BQL	5.06	0.642	1	1/16/2009	
Benzo[b]fluoranthene	BQL	5.06	0.723	1	1/16/2009	
Benzo[g,h,i]perylene	BQL	5.06	0.622	1	1/16/2009	
Benzo[k]fluoranthene	BQL	5.06	0.556	1	1/16/2009	
Bis(2-chloroethoxy)methane	BQL	5.06	1.04	1	1/16/2009	
Bis(2-chloroethyl)ether	BQL	5.06	1.05	1	1/16/2009	
Bis(2-chloroisopropyl)ether	BQL	5.06	0.986	1	1/16/2009	
Bis(2-ethylhexyl)phthalate	0.607	5.06	0.415	1	1/16/2009	J
4-bromophenyl phenyl ether	BQL	5.06	0.789	1	1/16/2009	
Butylbenzylphthalate	BQL	5.06	0.450	1	1/16/2009	
2-Chloronaphthalene	BQL	5.06	0.875	1	1/16/2009	
2-Chlorophenol	BQL	5.06	1.18	1	1/16/2009	
4-Chloro-3-methylphenol	BQL	5.06	0.804	1	1/16/2009	
4-Chlorophenyl phenyl ether	BQL	5.06	3.29	1	1/16/2009	
Chrysene	BQL	5.06	0.561	1	1/16/2009	
Dibenzo[a,h]anthracene	BQL	5.06	0.445	1	1/16/2009	
Di-n-Butylphthalate	BQL	5.06	0.834	1	1/16/2009	
3,3'-Dichlorobenzidine	BQL	10.1	1.23	1	1/16/2009	
2,4-Dichlorophenol	BQL	5.06	1.13	1	1/16/2009	
Diethylphthalate	BQL	5.06	0.748	1	1/16/2009	
Dimethylphthalate	BQL	5.06	0.561	1	1/16/2009	
2,4-Dimethylphenol	BQL	5.06	1.64	1	1/16/2009	
Di-n-octylphthalate	BQL	5.06	0.586	1	1/16/2009	
4,6-Dinitro-2-methylphenol	BQL	25.3	0.556	1	1/16/2009	
2,4-Dinitrophenol	BQL	25.3	0.647	1	1/16/2009	
2,4-Dinitrotoluene	BQL	5.06	0.541	1	1/16/2009	
2,6-Dinitrotoluene	BQL	5.06	0.657	1	1/16/2009	
Diphenylamine *	BQL	5.06	0.576	1	1/16/2009	
Fluoranthene	BQL	5.06	0.713	1	1/16/2009	
Fluorene	BQL	5.06	0.733	1	1/16/2009	
Hexachlorobenzene	BQL	5.06	0.511	1	1/16/2009	
Hexachlorobutadiene	BQL	5.06	0.768	1	1/16/2009	
Hexachlorocyclopentadiene	BQL	10.1	10.1	1	1/16/2009	
Hexachloroethane	BQL	5.06	0.753	1	1/16/2009	
Indeno(1,2,3-c,d)pyrene	BQL	5.06	2.31	1	1/16/2009	
Isophorone	BQL	5.06	0.895	1	1/16/2009	
Naphthalene	BQL	5.06	0.920	1	1/16/2009	
Nitrobenzene	BQL	5.06	1.06	1	1/16/2009	
2-Nitrophenol	BQL	5.06	1.24	1	1/16/2009	
4-Nitrophenol	BQL	25.3	1.09	1	1/16/2009	
N-Nitrosodi-n-propylamine	BQL	5.06	1.52	1	1/16/2009	
Pentachlorophenol	BQL	25.3	1.43	1	1/16/2009	
Phenanthrene	BQL	5.06	0.450	1	1/16/2009	

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: USTRF-MW13
Client Project ID: CTO 013
Lab Sample ID: G649-98-9F
Lab Project ID: G649-98

Analyzed By: DCS
Date Collected: 1/7/2009 15:24
Date Received: 1/8/2009
Date Extracted: 1/9/2009
Matrix: Water

Initial/Final Amt: 989 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	3.13	5.06	1.07	1	1/16/2009	J
Pyrene	BQL	5.06	2.09	1	1/16/2009	
1,2,4-Trichlorobenzene	BQL	5.06	0.728	1	1/16/2009	
2,4,6-Trichlorophenol	BQL	5.06	0.935	1	1/16/2009	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	8.4	84		
2-Fluorophenol		10	6.7	67		
Nitrobenzene-d5		10	7.9	79		
Phenol-d6		10	7.3	73		
2,4,6-Tribromophenol		10	8.4	84		
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: USTRF-MW13
Client Project ID: CTO 013
Lab Sample ID: G649-98-9F
Lab Project ID: G649-98
Sample Wt/Vol: 989 ML
Dilution: 1

Analyzed By: DCS
Date Collected: 1/7/2009 15:24
Date Received: 1/8/2009

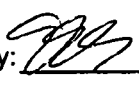
Date Analyzed: 1/16/2009
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Alcohol, Unknown	5.32			294
2	Carboxylic Acid, Unknown	4.68			26.2
3	Unknown	4.23			9.92
4	Unknown	8.16			7.03
5	Unknown	7.93			4.16
6	Unknown	5.39			3.22
7	Unknown	8.41			2.64
8	Alcohol, Unknown	8.33			2.44
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: USTRF-MW14
Client Project ID: CTO 013
Lab Sample ID: G649-98-10F
Lab Project ID: G649-98

Analyzed By: DCS
Date Collected: 1/7/2009 11:45
Date Received: 1/8/2009
Date Extracted: 1/9/2009
Matrix: Water

Initial/Final Amt: 985 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	5.08	0.756	1	1/16/2009	
Acenaphthylene	BQL	5.08	0.756	1	1/16/2009	
Anthracene	BQL	5.08	0.888	1	1/16/2009	
Benzo[a]anthracene	BQL	5.08	0.690	1	1/16/2009	
Benzo[a]pyrene	BQL	5.08	0.645	1	1/16/2009	
Benzo[b]fluoranthene	BQL	5.08	0.726	1	1/16/2009	
Benzo[g,h,i]perylene	BQL	5.08	0.624	1	1/16/2009	
Benzo[k]fluoranthene	BQL	5.08	0.558	1	1/16/2009	
Bis(2-chloroethoxy)methane	BQL	5.08	1.05	1	1/16/2009	
Bis(2-chloroethyl)ether	BQL	5.08	1.06	1	1/16/2009	
Bis(2-chloroisopropyl)ether	BQL	5.08	0.990	1	1/16/2009	
Bis(2-ethylhexyl)phthalate	BQL	5.08	0.416	1	1/16/2009	
4-bromophenyl phenyl ether	BQL	5.08	0.792	1	1/16/2009	
Butylbenzylphthalate	BQL	5.08	0.452	1	1/16/2009	
2-Chloronaphthalene	BQL	5.08	0.878	1	1/16/2009	
2-Chlorophenol	BQL	5.08	1.19	1	1/16/2009	
4-Chloro-3-methylphenol	BQL	5.08	0.807	1	1/16/2009	
4-Chlorophenyl phenyl ether	BQL	5.08	3.30	1	1/16/2009	
Chrysene	BQL	5.08	0.563	1	1/16/2009	
Dibenzo[a,h]anthracene	BQL	5.08	0.447	1	1/16/2009	
Di-n-Butylphthalate	BQL	5.08	0.838	1	1/16/2009	
3,3'-Dichlorobenzidine	BQL	10.2	1.24	1	1/16/2009	
2,4-Dichlorophenol	BQL	5.08	1.14	1	1/16/2009	
Diethylphthalate	BQL	5.08	0.751	1	1/16/2009	
Dimethylphthalate	BQL	5.08	0.563	1	1/16/2009	
2,4-Dimethylphenol	BQL	5.08	1.64	1	1/16/2009	
Di-n-octylphthalate	BQL	5.08	0.589	1	1/16/2009	
4,6-Dinitro-2-methylphenol	BQL	25.4	0.558	1	1/16/2009	
2,4-Dinitrophenol	BQL	25.4	0.650	1	1/16/2009	
2,4-Dinitrotoluene	BQL	5.08	0.543	1	1/16/2009	
2,6-Dinitrotoluene	BQL	5.08	0.660	1	1/16/2009	
Diphenylamine *	BQL	5.08	0.579	1	1/16/2009	
Fluoranthene	BQL	5.08	0.716	1	1/16/2009	
Fluorene	BQL	5.08	0.736	1	1/16/2009	
Hexachlorobenzene	BQL	5.08	0.513	1	1/16/2009	
Hexachlorobutadiene	BQL	5.08	0.772	1	1/16/2009	
Hexachlorocyclopentadiene	BQL	10.2	10.2	1	1/16/2009	
Hexachloroethane	BQL	5.08	0.756	1	1/16/2009	
Indeno(1,2,3-c,d)pyrene	BQL	5.08	2.32	1	1/16/2009	
Isophorone	BQL	5.08	0.898	1	1/16/2009	
Naphthalene	BQL	5.08	0.924	1	1/16/2009	
Nitrobenzene	BQL	5.08	1.07	1	1/16/2009	
2-Nitrophenol	BQL	5.08	1.25	1	1/16/2009	
4-Nitrophenol	BQL	25.4	1.10	1	1/16/2009	
N-Nitrosodi-n-propylamine	BQL	5.08	1.52	1	1/16/2009	
Pentachlorophenol	BQL	25.4	1.44	1	1/16/2009	
Phenanthrene	BQL	5.08	0.452	1	1/16/2009	

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: USTRF-MW14
Client Project ID: CTO 013
Lab Sample ID: G649-98-10F
Lab Project ID: G649-98

Analyzed By: DCS
Date Collected: 1/7/2009 11:45
Date Received: 1/8/2009
Date Extracted: 1/9/2009
Matrix: Water

Initial/Final Amt: 985 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	5.08	1.08	1	1/16/2009	
Pyrene	BQL	5.08	2.10	1	1/16/2009	
1,2,4-Trichlorobenzene	BQL	5.08	0.731	1	1/16/2009	
2,4,6-Trichlorophenol	BQL	5.08	0.939	1	1/16/2009	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	9.1	91		
2-Fluorophenol		10	8.5	85		
Nitrobenzene-d5		10	9.5	95		
Phenol-d6		10	8.9	89		
2,4,6-Tribromophenol		10	8.3	83		
4-Terphenyl-d14		10	9.4	94		

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: USTRF-MW14
Client Project ID: CTO 013
Lab Sample ID: G649-98-10F
Lab Project ID: G649-98
Sample Wt/Vol: 985 ML
Dilution: 1

Analyzed By: DCS
Date Collected: 1/7/2009 11:45
Date Received: 1/8/2009

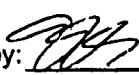
Date Analyzed: 1/16/2009
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Octadecane	7.93	000593-45-3	90	3.07
2	Alkane, Unknown	8.86			2.84
3	Unknown	7.43			2.24
4	Heptadecane	8.41	000629-78-7	90	2.19
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: USTRF-MW15
Client Project ID: CTO 013
Lab Sample ID: G649-98-11F
Lab Project ID: G649-98

Analyzed By: DCS
Date Collected: 1/7/2009 13:15
Date Received: 1/8/2009
Date Extracted: 1/9/2009
Matrix: Water

Initial/Final Amt: 992 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	5.04	0.751	1	1/16/2009	
Acenaphthylene	BQL	5.04	0.751	1	1/16/2009	
Anthracene	BQL	5.04	0.882	1	1/16/2009	
Benzo[a]anthracene	BQL	5.04	0.685	1	1/16/2009	
Benzo[a]pyrene	BQL	5.04	0.640	1	1/16/2009	
Benzo[b]fluoranthene	BQL	5.04	0.721	1	1/16/2009	
Benzo[g,h,i]perylene	BQL	5.04	0.620	1	1/16/2009	
Benzo[k]fluoranthene	BQL	5.04	0.554	1	1/16/2009	
Bis(2-chloroethoxy)methane	BQL	5.04	1.04	1	1/16/2009	
Bis(2-chloroethyl)ether	BQL	5.04	1.05	1	1/16/2009	
Bis(2-chloroisopropyl)ether	BQL	5.04	0.983	1	1/16/2009	
Bis(2-ethylhexyl)phthalate	BQL	5.04	0.413	1	1/16/2009	
4-bromophenyl phenyl ether	BQL	5.04	0.786	1	1/16/2009	
Butylbenzylphthalate	BQL	5.04	0.449	1	1/16/2009	
2-Chloronaphthalene	BQL	5.04	0.872	1	1/16/2009	
2-Chlorophenol	BQL	5.04	1.18	1	1/16/2009	
4-Chloro-3-methylphenol	BQL	5.04	0.801	1	1/16/2009	
4-Chlorophenyl phenyl ether	BQL	5.04	3.28	1	1/16/2009	
Chrysene	BQL	5.04	0.559	1	1/16/2009	
Dibenzo[a,h]anthracene	BQL	5.04	0.444	1	1/16/2009	
Di-n-Butylphthalate	BQL	5.04	0.832	1	1/16/2009	
3,3'-Dichlorobenzidine	BQL	10.1	1.23	1	1/16/2009	
2,4-Dichlorophenol	BQL	5.04	1.13	1	1/16/2009	
Diethylphthalate	BQL	5.04	0.746	1	1/16/2009	
Dimethylphthalate	BQL	5.04	0.559	1	1/16/2009	
2,4-Dimethylphenol	BQL	5.04	1.63	1	1/16/2009	
Di-n-octylphthalate	BQL	5.04	0.585	1	1/16/2009	
4,6-Dinitro-2-methylphenol	BQL	25.2	0.554	1	1/16/2009	
2,4-Dinitrophenol	BQL	25.2	0.645	1	1/16/2009	
2,4-Dinitrotoluene	BQL	5.04	0.539	1	1/16/2009	
2,6-Dinitrotoluene	BQL	5.04	0.655	1	1/16/2009	
Diphenylamine *	BQL	5.04	0.575	1	1/16/2009	
Fluoranthene	BQL	5.04	0.711	1	1/16/2009	
Fluorene	BQL	5.04	0.731	1	1/16/2009	
Hexachlorobenzene	BQL	5.04	0.509	1	1/16/2009	
Hexachlorobutadiene	BQL	5.04	0.766	1	1/16/2009	
Hexachlorocyclopentadiene	BQL	10.1	10.1	1	1/16/2009	
Hexachloroethane	BQL	5.04	0.751	1	1/16/2009	
Indeno(1,2,3-c,d)pyrene	BQL	5.04	2.30	1	1/16/2009	
Isophorone	BQL	5.04	0.892	1	1/16/2009	
Naphthalene	BQL	5.04	0.917	1	1/16/2009	
Nitrobenzene	BQL	5.04	1.06	1	1/16/2009	
2-Nitrophenol	BQL	5.04	1.24	1	1/16/2009	
4-Nitrophenol	BQL	25.2	1.09	1	1/16/2009	
N-Nitrosodi-n-propylamine	BQL	5.04	1.51	1	1/16/2009	
Pentachlorophenol	BQL	25.2	1.43	1	1/16/2009	
Phenanthrene	BQL	5.04	0.449	1	1/16/2009	

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: USTRF-MW15
Client Project ID: CTO 013
Lab Sample ID: G649-98-11F
Lab Project ID: G649-98

Analyzed By: DCS
Date Collected: 1/7/2009 13:15
Date Received: 1/8/2009
Date Extracted: 1/9/2009
Matrix: Water

Initial/Final Amt: 992 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	5.04	1.07	1	1/16/2009	
Pyrene	BQL	5.04	2.08	1	1/16/2009	
1,2,4-Trichlorobenzene	BQL	5.04	0.726	1	1/16/2009	
2,4,6-Trichlorophenol	BQL	5.04	0.932	1	1/16/2009	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	9.1	91		
2-Fluorophenol		10	8.7	87		
Nitrobenzene-d5		10	9.6	96		
Phenol-d6		10	9	90		
2,4,6-Tribromophenol		10	8.6	86		
4-Terphenyl-d14		10	9.8	98		

Comments:

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

Flags:

BQL = Below Quantitation Limits.

J = Detected below the quantitation limit.

Reviewed By: 

Results of Library Search for Semivolatile Compounds
by GCMS

Client Sample ID: USTRF-MW15
Client Project ID: CTO 013
Lab Sample ID: G649-98-11F
Lab Project ID: G649-98
Sample Wt/Vol: 992 ML
Dilution: 1

Analyzed By: DCS
Date Collected: 1/7/2009 13:15
Date Received: 1/8/2009

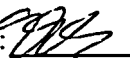
Date Analyzed: 1/16/2009
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Cyclohexane, 1,2-dichloro-, trans-	4.34	000822-86-6	90	3.58
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: USTRF-MW17
Client Project ID: CTO 013
Lab Sample ID: G649-98-12F
Lab Project ID: G649-98

Analyzed By: DCS
Date Collected: 1/8/2009 13:25
Date Received: 1/8/2009
Date Extracted: 1/9/2009
Matrix: Water

Initial/Final Amt: 971 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	51.5	7.67	10	1/19/2009	
Acenaphthylene	BQL	51.5	7.67	10	1/19/2009	
Anthracene	BQL	51.5	9.01	10	1/19/2009	
Benzo[a]anthracene	BQL	51.5	7.00	10	1/19/2009	
Benzo[a]pyrene	BQL	51.5	6.54	10	1/19/2009	
Benzo[b]fluoranthene	BQL	51.5	7.36	10	1/19/2009	
Benzo[g,h,i]perylene	BQL	51.5	6.33	10	1/19/2009	
Benzo[k]fluoranthene	BQL	51.5	5.66	10	1/19/2009	
Bis(2-chloroethoxy)methane	BQL	51.5	10.6	10	1/19/2009	
Bis(2-chloroethyl)ether	BQL	51.5	10.7	10	1/19/2009	
Bis(2-chloroisopropyl)ether	BQL	51.5	10.0	10	1/19/2009	
Bis(2-ethylhexyl)phthalate	265	51.5	4.22	10	1/19/2009	
4-bromophenyl phenyl ether	BQL	51.5	8.03	10	1/19/2009	
Butylbenzylphthalate	BQL	51.5	4.58	10	1/19/2009	
2-Chloronaphthalene	BQL	51.5	8.91	10	1/19/2009	
2-Chlorophenol	BQL	51.5	12.0	10	1/19/2009	
4-Chloro-3-methylphenol	BQL	51.5	8.19	10	1/19/2009	
4-Chlorophenyl phenyl ether	BQL	51.5	33.5	10	1/19/2009	
Chrysene	BQL	51.5	5.72	10	1/19/2009	
Dibenzo[a,h]anthracene	BQL	51.5	4.53	10	1/19/2009	
Di-n-Butylphthalate	BQL	51.5	8.50	10	1/19/2009	
3,3'-Dichlorobenzidine	BQL	103	12.6	10	1/19/2009	
2,4-Dichlorophenol	BQL	51.5	11.5	10	1/19/2009	
Diethylphthalate	BQL	51.5	7.62	10	1/19/2009	
Dimethylphthalate	BQL	51.5	5.72	10	1/19/2009	
2,4-Dimethylphenol	BQL	51.5	16.7	10	1/19/2009	
Di-n-octylphthalate	BQL	51.5	5.97	10	1/19/2009	
4,6-Dinitro-2-methylphenol	BQL	257	5.66	10	1/19/2009	
2,4-Dinitrophenol	BQL	257	6.59	10	1/19/2009	
2,4-Dinitrotoluene	BQL	51.5	5.51	10	1/19/2009	
2,6-Dinitrotoluene	BQL	51.5	6.69	10	1/19/2009	
Diphenylamine *	BQL	51.5	5.87	10	1/19/2009	
Fluoranthene	BQL	51.5	7.26	10	1/19/2009	
Fluorene	BQL	51.5	7.47	10	1/19/2009	
Hexachlorobenzene	BQL	51.5	5.20	10	1/19/2009	
Hexachlorobutadiene	BQL	51.5	7.83	10	1/19/2009	
Hexachlorocyclopentadiene	BQL	103	103	10	1/19/2009	
Hexachloroethane	BQL	51.5	7.67	10	1/19/2009	
Indeno(1,2,3-c,d)pyrene	BQL	51.5	23.5	10	1/19/2009	
Isophorone	BQL	51.5	9.11	10	1/19/2009	
Naphthalene	193	51.5	9.37	10	1/19/2009	
Nitrobenzene	BQL	51.5	10.8	10	1/19/2009	
2-Nitrophenol	BQL	51.5	12.7	10	1/19/2009	
4-Nitrophenol	BQL	257	11.1	10	1/19/2009	
N-Nitrosodi-n-propylamine	BQL	51.5	15.4	10	1/19/2009	
Pentachlorophenol	BQL	257	14.6	10	1/19/2009	
Phenanthrene	BQL	51.5	4.58	10	1/19/2009	

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: USTRF-MW17
Client Project ID: CTO 013
Lab Sample ID: G649-98-12F
Lab Project ID: G649-98

Analyzed By: DCS
Date Collected: 1/8/2009 13:25
Date Received: 1/8/2009
Date Extracted: 1/9/2009
Matrix: Water

Initial/Final Amt: 971 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	51.5	10.9	10	1/19/2009	
Pyrene	BQL	51.5	21.3	10	1/19/2009	
1,2,4-Trichlorobenzene	BQL	51.5	7.42	10	1/19/2009	
2,4,6-Trichlorophenol	BQL	51.5	9.53	10	1/19/2009	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		1	NA	NA		
2-Fluorophenol		1	NA	NA		
Nitrobenzene-d5		1	NA	NA		
Phenol-d6		1	NA	NA		
2,4,6-Tribromophenol		1	NA	NA		
4-Terphenyl-d14		1	NA	NA		

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: USTRF-MW17
Client Project ID: CTO 013
Lab Sample ID: G649-98-12F
Lab Project ID: G649-98
Sample Wt/Vol: 971 ML
Dilution: 10

Analyzed By: DCS
Date Collected: 1/8/2009 13:25
Date Received: 1/8/2009

Date Analyzed: 1/19/2009
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Unknown	4.83			137
2	Naphthalene, 1,2,3,4-tetrahydro-	4.93	000119-64-2	96	86.3
3	Unknown	4.05			74.6
4	Unknown	6.46			70.6
5	Unknown	7.27			68.2
6	Alkane, Unknown	5.53			61.2
7	Alkane, Unknown	6.64			53.9
8	Carboxylic Acid, Unknown	7.22			46.4
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: USTRF-MW03G
Client Project ID: CTO 013
Lab Sample ID: G649-98-13F
Lab Project ID: G649-98

Analyzed By: DCS
Date Collected: 1/8/2009 13:00
Date Received: 1/8/2009
Date Extracted: 1/9/2009
Matrix: Water

Initial/Final Amt: 938 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	5.33	0.794	1	1/16/2009	
Acenaphthylene	BQL	5.33	0.794	1	1/16/2009	
Anthracene	BQL	5.33	0.933	1	1/16/2009	
Benzo[a]anthracene	BQL	5.33	0.725	1	1/16/2009	
Benzo[a]pyrene	BQL	5.33	0.677	1	1/16/2009	
Benzo[b]fluoranthene	BQL	5.33	0.762	1	1/16/2009	
Benzo[g,h,i]perylene	BQL	5.33	0.656	1	1/16/2009	
Benzo[k]fluoranthene	BQL	5.33	0.586	1	1/16/2009	
Bis(2-chloroethoxy)methane	BQL	5.33	1.10	1	1/16/2009	
Bis(2-chloroethyl)ether	BQL	5.33	1.11	1	1/16/2009	
Bis(2-chloroisopropyl)ether	BQL	5.33	1.04	1	1/16/2009	
Bis(2-ethylhexyl)phthalate	14.1	5.33	0.437	1	1/16/2009	
4-bromophenyl phenyl ether	BQL	5.33	0.832	1	1/16/2009	
Butylbenzylphthalate	BQL	5.33	0.474	1	1/16/2009	
2-Chloronaphthalene	BQL	5.33	0.922	1	1/16/2009	
2-Chlorophenol	BQL	5.33	1.25	1	1/16/2009	
4-Chloro-3-methylphenol	BQL	5.33	0.848	1	1/16/2009	
4-Chlorophenyl phenyl ether	BQL	5.33	3.47	1	1/16/2009	
Chrysene	BQL	5.33	0.592	1	1/16/2009	
Dibenzo[a,h]anthracene	BQL	5.33	0.469	1	1/16/2009	
Di-n-Butylphthalate	BQL	5.33	0.880	1	1/16/2009	
3,3'-Dichlorobenzidine	BQL	10.7	1.30	1	1/16/2009	
2,4-Dichlorophenol	BQL	5.33	1.19	1	1/16/2009	
Diethylphthalate	BQL	5.33	0.789	1	1/16/2009	
Dimethylphthalate	BQL	5.33	0.592	1	1/16/2009	
2,4-Dimethylphenol	BQL	5.33	1.73	1	1/16/2009	
Di-n-octylphthalate	BQL	5.33	0.618	1	1/16/2009	
4,6-Dinitro-2-methylphenol	BQL	26.7	0.586	1	1/16/2009	
2,4-Dinitrophenol	BQL	26.7	0.682	1	1/16/2009	
2,4-Dinitrotoluene	BQL	5.33	0.570	1	1/16/2009	
2,6-Dinitrotoluene	BQL	5.33	0.693	1	1/16/2009	
Diphenylamine *	BQL	5.33	0.608	1	1/16/2009	
Fluoranthene	BQL	5.33	0.752	1	1/16/2009	
Fluorene	BQL	5.33	0.773	1	1/16/2009	
Hexachlorobenzene	BQL	5.33	0.538	1	1/16/2009	
Hexachlorobutadiene	BQL	5.33	0.810	1	1/16/2009	
Hexachlorocyclopentadiene	BQL	10.7	10.7	1	1/16/2009	
Hexachloroethane	BQL	5.33	0.794	1	1/16/2009	
Indeno(1,2,3-c,d)pyrene	BQL	5.33	2.44	1	1/16/2009	
Isophorone	BQL	5.33	0.943	1	1/16/2009	
Naphthalene	BQL	5.33	0.970	1	1/16/2009	
Nitrobenzene	BQL	5.33	1.12	1	1/16/2009	
2-Nitrophenol	BQL	5.33	1.31	1	1/16/2009	
4-Nitrophenol	BQL	26.7	1.15	1	1/16/2009	
N-Nitrosodi-n-propylamine	BQL	5.33	1.60	1	1/16/2009	
Pentachlorophenol	BQL	26.7	1.51	1	1/16/2009	
Phenanthrene	BQL	5.33	0.474	1	1/16/2009	

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: USTRF-MW03G
Client Project ID: CTO 013
Lab Sample ID: G649-98-13F
Lab Project ID: G649-98

Analyzed By: DCS
Date Collected: 1/8/2009 13:00
Date Received: 1/8/2009
Date Extracted: 1/9/2009
Matrix: Water

Initial/Final Amt: 938 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	5.33	1.13	1	1/16/2009	
Pyrene	BQL	5.33	2.20	1	1/16/2009	
1,2,4-Trichlorobenzene	BQL	5.33	0.768	1	1/16/2009	
2,4,6-Trichlorophenol	BQL	5.33	0.986	1	1/16/2009	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	9	90		
2-Fluorophenol		10	8.6	86		
Nitrobenzene-d5		10	9.5	95		
Phenol-d6		10	8.8	88		
2,4,6-Tribromophenol		10	8.2	82		
4-Terphenyl-d14		10	9.3	93		

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: USTRF-MW03G
Client Project ID: CTO 013
Lab Sample ID: G649-98-13F
Lab Project ID: G649-98
Sample Wt/Vol: 938 ML
Dilution: 1

Analyzed By: DCS
Date Collected: 1/8/2009 13:00
Date Received: 1/8/2009
Date Analyzed: 1/16/2009
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Ketone, Unknown	13.24			3.68
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: USTAS497-MW01
Client Project ID: CTO 013
Lab Sample ID: G649-98-14F
Lab Project ID: G649-98

Analyzed By: DCS
Date Collected: 1/8/2009 9:36
Date Received: 1/8/2009
Date Extracted: 1/9/2009
Matrix: Water

Initial/Final Amt: 985 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	5.08	0.756	1	1/16/2009	
Acenaphthylene	BQL	5.08	0.756	1	1/16/2009	
Anthracene	BQL	5.08	0.888	1	1/16/2009	
Benzo[a]anthracene	BQL	5.08	0.690	1	1/16/2009	
Benzo[a]pyrene	BQL	5.08	0.645	1	1/16/2009	
Benzo[b]fluoranthene	BQL	5.08	0.726	1	1/16/2009	
Benzo[g,h,i]perylene	BQL	5.08	0.624	1	1/16/2009	
Benzo[k]fluoranthene	BQL	5.08	0.558	1	1/16/2009	
Bis(2-chloroethoxy)methane	BQL	5.08	1.05	1	1/16/2009	
Bis(2-chloroethyl)ether	BQL	5.08	1.06	1	1/16/2009	
Bis(2-chloroisopropyl)ether	BQL	5.08	0.990	1	1/16/2009	
Bis(2-ethylhexyl)phthalate	BQL	5.08	0.416	1	1/16/2009	
4-bromophenyl phenyl ether	BQL	5.08	0.792	1	1/16/2009	
Butylbenzylphthalate	BQL	5.08	0.452	1	1/16/2009	
2-Chloronaphthalene	BQL	5.08	0.878	1	1/16/2009	
2-Chlorophenol	BQL	5.08	1.19	1	1/16/2009	
4-Chloro-3-methylphenol	BQL	5.08	0.807	1	1/16/2009	
4-Chlorophenyl phenyl ether	BQL	5.08	3.30	1	1/16/2009	
Chrysene	BQL	5.08	0.563	1	1/16/2009	
Dibenzo[a,h]anthracene	BQL	5.08	0.447	1	1/16/2009	
Di-n-Butylphthalate	BQL	5.08	0.838	1	1/16/2009	
3,3'-Dichlorobenzidine	BQL	10.2	1.24	1	1/16/2009	
2,4-Dichlorophenol	BQL	5.08	1.14	1	1/16/2009	
Diethylphthalate	BQL	5.08	0.751	1	1/16/2009	
Dimethylphthalate	BQL	5.08	0.563	1	1/16/2009	
2,4-Dimethylphenol	BQL	5.08	1.64	1	1/16/2009	
Di-n-octylphthalate	BQL	5.08	0.589	1	1/16/2009	
4,6-Dinitro-2-methylphenol	BQL	25.4	0.558	1	1/16/2009	
2,4-Dinitrophenol	BQL	25.4	0.650	1	1/16/2009	
2,4-Dinitrotoluene	BQL	5.08	0.543	1	1/16/2009	
2,6-Dinitrotoluene	BQL	5.08	0.660	1	1/16/2009	
Diphenylamine *	BQL	5.08	0.579	1	1/16/2009	
Fluoranthene	BQL	5.08	0.716	1	1/16/2009	
Fluorene	BQL	5.08	0.736	1	1/16/2009	
Hexachlorobenzene	BQL	5.08	0.513	1	1/16/2009	
Hexachlorobutadiene	BQL	5.08	0.772	1	1/16/2009	
Hexachlorocyclopentadiene	BQL	10.2	10.2	1	1/16/2009	
Hexachloroethane	BQL	5.08	0.756	1	1/16/2009	
Indeno(1,2,3-c,d)pyrene	BQL	5.08	2.32	1	1/16/2009	
Isophorone	BQL	5.08	0.898	1	1/16/2009	
Naphthalene	BQL	5.08	0.924	1	1/16/2009	
Nitrobenzene	BQL	5.08	1.07	1	1/16/2009	
2-Nitrophenol	BQL	5.08	1.25	1	1/16/2009	
4-Nitrophenol	BQL	25.4	1.10	1	1/16/2009	
N-Nitrosodi-n-propylamine	BQL	5.08	1.52	1	1/16/2009	
Pentachlorophenol	BQL	25.4	1.44	1	1/16/2009	
Phenanthrene	BQL	5.08	0.452	1	1/16/2009	

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: USTAS497-MW01
Client Project ID: CTO 013
Lab Sample ID: G649-98-14F
Lab Project ID: G649-98

Analyzed By: DCS
Date Collected: 1/8/2009 9:36
Date Received: 1/8/2009
Date Extracted: 1/9/2009
Matrix: Water

Initial/Final Amt: 985 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	5.08	1.08	1	1/16/2009	
Pyrene	BQL	5.08	2.10	1	1/16/2009	
1,2,4-Trichlorobenzene	BQL	5.08	0.731	1	1/16/2009	
2,4,6-Trichlorophenol	BQL	5.08	0.939	1	1/16/2009	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	6.8	68		
2-Fluorophenol		10	6.2	62		
Nitrobenzene-d5		10	7.1	71		
Phenol-d6		10	6.4	64		
2,4,6-Tribromophenol		10	5.9	59		
4-Terphenyl-d14		10	7.1	71		

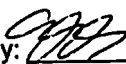
Comments:

* 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: USTAS497-MW01
Client Project ID: CTO 013
Lab Sample ID: G649-98-14F
Lab Project ID: G649-98
Sample Wt/Vol: 985 ML
Dilution: 1

Analyzed By: DCS
Date Collected: 1/8/2009 9:36
Date Received: 1/8/2009

Date Analyzed: 1/16/2009
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Unknown	4.34			5.36
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: USTAS497-MW02
Client Project ID: CTO 013
Lab Sample ID: G649-98-15F
Lab Project ID: G649-98

Analyzed By: DCS
Date Collected: 1/8/2009 10:23
Date Received: 1/8/2009
Date Extracted: 1/9/2009
Matrix: Water

Initial/Final Amt: 983 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	5.09	0.758	1	1/16/2009	
Acenaphthylene	BQL	5.09	0.758	1	1/16/2009	
Anthracene	BQL	5.09	0.890	1	1/16/2009	
Benzo[a]anthracene	BQL	5.09	0.692	1	1/16/2009	
Benzo[a]pyrene	BQL	5.09	0.646	1	1/16/2009	
Benzo[b]fluoranthene	BQL	5.09	0.727	1	1/16/2009	
Benzo[g,h,i]perylene	BQL	5.09	0.626	1	1/16/2009	
Benzo[k]fluoranthene	BQL	5.09	0.560	1	1/16/2009	
Bis(2-chloroethoxy)methane	BQL	5.09	1.05	1	1/16/2009	
Bis(2-chloroethyl)ether	BQL	5.09	1.06	1	1/16/2009	
Bis(2-chloroisopropyl)ether	BQL	5.09	0.992	1	1/16/2009	
Bis(2-ethylhexyl)phthalate	BQL	5.09	0.417	1	1/16/2009	
4-bromophenyl phenyl ether	BQL	5.09	0.793	1	1/16/2009	
Butylbenzylphthalate	BQL	5.09	0.453	1	1/16/2009	
2-Chloronaphthalene	BQL	5.09	0.880	1	1/16/2009	
2-Chlorophenol	BQL	5.09	1.19	1	1/16/2009	
4-Chloro-3-methylphenol	BQL	5.09	0.809	1	1/16/2009	
4-Chlorophenyl phenyl ether	BQL	5.09	3.31	1	1/16/2009	
Chrysene	BQL	5.09	0.565	1	1/16/2009	
Dibenzo[a,h]anthracene	BQL	5.09	0.448	1	1/16/2009	
Di-n-Butylphthalate	BQL	5.09	0.839	1	1/16/2009	
3,3'-Dichlorobenzidine	BQL	10.2	1.24	1	1/16/2009	
2,4-Dichlorophenol	BQL	5.09	1.14	1	1/16/2009	
Diethylphthalate	BQL	5.09	0.753	1	1/16/2009	
Dimethylphthalate	BQL	5.09	0.565	1	1/16/2009	
2,4-Dimethylphenol	BQL	5.09	1.65	1	1/16/2009	
Di-n-octylphthalate	BQL	5.09	0.590	1	1/16/2009	
4,6-Dinitro-2-methylphenol	BQL	25.4	0.560	1	1/16/2009	
2,4-Dinitrophenol	BQL	25.4	0.651	1	1/16/2009	
2,4-Dinitrotoluene	BQL	5.09	0.544	1	1/16/2009	
2,6-Dinitrotoluene	BQL	5.09	0.661	1	1/16/2009	
Diphenylamine *	BQL	5.09	0.580	1	1/16/2009	
Fluoranthene	BQL	5.09	0.717	1	1/16/2009	
Fluorene	BQL	5.09	0.738	1	1/16/2009	
Hexachlorobenzene	BQL	5.09	0.514	1	1/16/2009	
Hexachlorobutadiene	BQL	5.09	0.773	1	1/16/2009	
Hexachlorocyclopentadiene	BQL	10.2	10.2	1	1/16/2009	
Hexachloroethane	BQL	5.09	0.758	1	1/16/2009	
Indeno(1,2,3-c,d)pyrene	BQL	5.09	2.32	1	1/16/2009	
Isophorone	BQL	5.09	0.900	1	1/16/2009	
Naphthalene	BQL	5.09	0.926	1	1/16/2009	
Nitrobenzene	BQL	5.09	1.07	1	1/16/2009	
2-Nitrophenol	BQL	5.09	1.25	1	1/16/2009	
4-Nitrophenol	BQL	25.4	1.10	1	1/16/2009	
N-Nitrosodi-n-propylamine	BQL	5.09	1.53	1	1/16/2009	
Pentachlorophenol	BQL	25.4	1.44	1	1/16/2009	
Phenanthrene	BQL	5.09	0.453	1	1/16/2009	

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: USTAS497-MW02
Client Project ID: CTO 013
Lab Sample ID: G649-98-15F
Lab Project ID: G649-98

Analyzed By: DCS
Date Collected: 1/8/2009 10:23
Date Received: 1/8/2009
Date Extracted: 1/9/2009
Matrix: Water

Initial/Final Amt: 983 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	5.09	1.08	1	1/16/2009	
Pyrene	BQL	5.09	2.10	1	1/16/2009	
1,2,4-Trichlorobenzene	BQL	5.09	0.732	1	1/16/2009	
2,4,6-Trichlorophenol	BQL	5.09	0.941	1	1/16/2009	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	9.1	91		
2-Fluorophenol		10	8	80		
Nitrobenzene-d5		10	9.3	93		
Phenol-d6		10	8.6	86		
2,4,6-Tribromophenol		10	8.2	82		
4-Terphenyl-d14		10	9.8	98		

Comments:

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

Flags:

BQL = Below Quantitation Limits.

J = Detected below the quantitation limit.

Reviewed By: 

Results of Library Search for Semivolatile Compounds
by GCMS

Client Sample ID: USTAS497-MW02
Client Project ID: CTO 013
Lab Sample ID: G649-98-15F
Lab Project ID: G649-98
Sample Wt/Vol: 983 ML
Dilution: 1

Analyzed By: DCS
Date Collected: 1/8/2009 10:23
Date Received: 1/8/2009

Date Analyzed: 1/16/2009
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Cyclohexane, 1,2-dichloro-, trans-	4.34	000822-86-6	90	4.9
2					
3					
4					
5					
6					
7					
8					
9					
10					

Comment:

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

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

Reviewed by: 

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: USTAS497-MW03
Client Project ID: CTO 013
Lab Sample ID: G649-98-16F
Lab Project ID: G649-98

Analyzed By: DCS
Date Collected: 1/7/2009 15:21
Date Received: 1/8/2009
Date Extracted: 1/9/2009
Matrix: Water

Initial/Final Amt: 965 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	5.18	0.772	1	1/16/2009	
Acenaphthylene	BQL	5.18	0.772	1	1/16/2009	
Anthracene	BQL	5.18	0.907	1	1/16/2009	
Benzo[a]anthracene	BQL	5.18	0.705	1	1/16/2009	
Benzo[a]pyrene	BQL	5.18	0.658	1	1/16/2009	
Benzo[b]fluoranthene	BQL	5.18	0.741	1	1/16/2009	
Benzo[g,h,i]perylene	BQL	5.18	0.637	1	1/16/2009	
Benzo[k]fluoranthene	BQL	5.18	0.570	1	1/16/2009	
Bis(2-chloroethoxy)methane	BQL	5.18	1.07	1	1/16/2009	
Bis(2-chloroethyl)ether	BQL	5.18	1.08	1	1/16/2009	
Bis(2-chloroisopropyl)ether	BQL	5.18	1.01	1	1/16/2009	
Bis(2-ethylhexyl)phthalate	0.570	5.18	0.425	1	1/16/2009	J
4-bromophenyl phenyl ether	BQL	5.18	0.808	1	1/16/2009	
Butylbenzylphthalate	BQL	5.18	0.461	1	1/16/2009	
2-Chloronaphthalene	BQL	5.18	0.896	1	1/16/2009	
2-Chlorophenol	BQL	5.18	1.21	1	1/16/2009	
4-Chloro-3-methylphenol	BQL	5.18	0.824	1	1/16/2009	
4-Chlorophenyl phenyl ether	BQL	5.18	3.37	1	1/16/2009	
Chrysene	BQL	5.18	0.575	1	1/16/2009	
Dibenzo[a,h]anthracene	BQL	5.18	0.456	1	1/16/2009	
Di-n-Butylphthalate	BQL	5.18	0.855	1	1/16/2009	
3,3'-Dichlorobenzidine	BQL	10.4	1.26	1	1/16/2009	
2,4-Dichlorophenol	BQL	5.18	1.16	1	1/16/2009	
Diethylphthalate	BQL	5.18	0.767	1	1/16/2009	
Dimethylphthalate	BQL	5.18	0.575	1	1/16/2009	
2,4-Dimethylphenol	BQL	5.18	1.68	1	1/16/2009	
Di-n-octylphthalate	BQL	5.18	0.601	1	1/16/2009	
4,6-Dinitro-2-methylphenol	BQL	25.9	0.570	1	1/16/2009	
2,4-Dinitrophenol	BQL	25.9	0.663	1	1/16/2009	
2,4-Dinitrotoluene	BQL	5.18	0.554	1	1/16/2009	
2,6-Dinitrotoluene	BQL	5.18	0.674	1	1/16/2009	
Diphenylamine *	BQL	5.18	0.591	1	1/16/2009	
Fluoranthene	BQL	5.18	0.731	1	1/16/2009	
Fluorene	BQL	5.18	0.751	1	1/16/2009	
Hexachlorobenzene	BQL	5.18	0.523	1	1/16/2009	
Hexachlorobutadiene	BQL	5.18	0.788	1	1/16/2009	
Hexachlorocyclopentadiene	BQL	10.4	10.4	1	1/16/2009	
Hexachloroethane	BQL	5.18	0.772	1	1/16/2009	
Indeno(1,2,3-c,d)pyrene	BQL	5.18	2.37	1	1/16/2009	
Isophorone	BQL	5.18	0.917	1	1/16/2009	
Naphthalene	BQL	5.18	0.943	1	1/16/2009	
Nitrobenzene	BQL	5.18	1.09	1	1/16/2009	
2-Nitrophenol	BQL	5.18	1.27	1	1/16/2009	
4-Nitrophenol	BQL	25.9	1.12	1	1/16/2009	
N-Nitrosodi-n-propylamine	BQL	5.18	1.55	1	1/16/2009	
Pentachlorophenol	BQL	25.9	1.47	1	1/16/2009	
Phenanthrene	BQL	5.18	0.461	1	1/16/2009	

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: USTAS497-MW03
Client Project ID: CTO 013
Lab Sample ID: G649-98-16F
Lab Project ID: G649-98

Analyzed By: DCS
Date Collected: 1/7/2009 15:21
Date Received: 1/8/2009
Date Extracted: 1/9/2009
Matrix: Water

Initial/Final Amt: 965 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	5.18	1.10	1	1/16/2009	
Pyrene	BQL	5.18	2.14	1	1/16/2009	
1,2,4-Trichlorobenzene	BQL	5.18	0.746	1	1/16/2009	
2,4,6-Trichlorophenol	BQL	5.18	0.959	1	1/16/2009	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	8.9	89		
2-Fluorophenol		10	8.6	86		
Nitrobenzene-d5		10	9.5	95		
Phenol-d6		10	8.9	88		
2,4,6-Tribromophenol		10	7.8	78		
4-Terphenyl-d14		10	9.7	97		

Comments:

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

Flags:

BQL = Below Quantitation Limits.

J = Detected below the quantitation limit.

Reviewed By: 

Results of Library Search for Semivolatile Compounds
by GCMS

Client Sample ID: USTAS497-MW03
Client Project ID: CTO 013
Lab Sample ID: G649-98-16F
Lab Project ID: G649-98
Sample Wt/Vol: 965 ML
Dilution: 1

Analyzed By: DCS
Date Collected: 1/7/2009 15:21
Date Received: 1/8/2009
Date Analyzed: 1/16/2009
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Alkane, Unknown	4.34			6.05
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: USTAS497-MW04
Client Project ID: CTO 013
Lab Sample ID: G649-98-17F
Lab Project ID: G649-98

Analyzed By: DCS
Date Collected: 1/8/2009 12:53
Date Received: 1/8/2009
Date Extracted: 1/9/2009
Matrix: Water

Initial/Final Amt: 993 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	5.04	0.750	1	1/16/2009	
Acenaphthylene	BQL	5.04	0.750	1	1/16/2009	
Anthracene	BQL	5.04	0.881	1	1/16/2009	
Benzo[a]anthracene	BQL	5.04	0.685	1	1/16/2009	
Benzo[a]pyrene	BQL	5.04	0.639	1	1/16/2009	
Benzo[b]fluoranthene	BQL	5.04	0.720	1	1/16/2009	
Benzo[g,h,i]perylene	BQL	5.04	0.619	1	1/16/2009	
Benzo[k]fluoranthene	BQL	5.04	0.554	1	1/16/2009	
Bis(2-chloroethoxy)methane	BQL	5.04	1.04	1	1/16/2009	
Bis(2-chloroethyl)ether	BQL	5.04	1.05	1	1/16/2009	
Bis(2-chloroisopropyl)ether	BQL	5.04	0.982	1	1/16/2009	
Bis(2-ethylhexyl)phthalate	0.453	5.04	0.413	1	1/16/2009	J
4-bromophenyl phenyl ether	BQL	5.04	0.785	1	1/16/2009	
Butylbenzylphthalate	BQL	5.04	0.448	1	1/16/2009	
2-Chloronaphthalene	BQL	5.04	0.871	1	1/16/2009	
2-Chlorophenol	BQL	5.04	1.18	1	1/16/2009	
4-Chloro-3-methylphenol	BQL	5.04	0.801	1	1/16/2009	
4-Chlorophenyl phenyl ether	BQL	5.04	3.28	1	1/16/2009	
Chrysene	BQL	5.04	0.559	1	1/16/2009	
Dibenzo[a,h]anthracene	BQL	5.04	0.443	1	1/16/2009	
Di-n-Butylphthalate	BQL	5.04	0.831	1	1/16/2009	
3,3'-Dichlorobenzidine	BQL	10.1	1.23	1	1/16/2009	
2,4-Dichlorophenol	BQL	5.04	1.13	1	1/16/2009	
Diethylphthalate	BQL	5.04	0.745	1	1/16/2009	
Dimethylphthalate	BQL	5.04	0.559	1	1/16/2009	
2,4-Dimethylphenol	BQL	5.04	1.63	1	1/16/2009	
Di-n-octylphthalate	BQL	5.04	0.584	1	1/16/2009	
4,6-Dinitro-2-methylphenol	BQL	25.2	0.554	1	1/16/2009	
2,4-Dinitrophenol	BQL	25.2	0.645	1	1/16/2009	
2,4-Dinitrotoluene	BQL	5.04	0.539	1	1/16/2009	
2,6-Dinitrotoluene	BQL	5.04	0.655	1	1/16/2009	
Diphenylamine *	BQL	5.04	0.574	1	1/16/2009	
Fluoranthene	BQL	5.04	0.710	1	1/16/2009	
Fluorene	BQL	5.04	0.730	1	1/16/2009	
Hexachlorobenzene	BQL	5.04	0.509	1	1/16/2009	
Hexachlorobutadiene	BQL	5.04	0.765	1	1/16/2009	
Hexachlorocyclopentadiene	BQL	10.1	10.1	1	1/16/2009	
Hexachloroethane	BQL	5.04	0.750	1	1/16/2009	
Indeno(1,2,3-c,d)pyrene	BQL	5.04	2.30	1	1/16/2009	
Isophorone	BQL	5.04	0.891	1	1/16/2009	
Naphthalene	BQL	5.04	0.916	1	1/16/2009	
Nitrobenzene	BQL	5.04	1.06	1	1/16/2009	
2-Nitrophenol	BQL	5.04	1.24	1	1/16/2009	
4-Nitrophenol	BQL	25.2	1.09	1	1/16/2009	
N-Nitrosodi-n-propylamine	BQL	5.04	1.51	1	1/16/2009	
Pentachlorophenol	BQL	25.2	1.42	1	1/16/2009	
Phenanthrene	BQL	5.04	0.448	1	1/16/2009	

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: USTAS497-MW04
Client Project ID: CTO 013
Lab Sample ID: G649-98-17F
Lab Project ID: G649-98

Analyzed By: DCS
Date Collected: 1/8/2009 12:53
Date Received: 1/8/2009
Date Extracted: 1/9/2009
Matrix: Water

Initial/Final Amt: 993 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	5.04	1.07	1	1/16/2009	
Pyrene	BQL	5.04	2.08	1	1/16/2009	
1,2,4-Trichlorobenzene	BQL	5.04	0.725	1	1/16/2009	
2,4,6-Trichlorophenol	BQL	5.04	0.932	1	1/16/2009	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	9.1	91		
2-Fluorophenol		10	9.1	91		
Nitrobenzene-d5		10	9.6	96		
Phenol-d6		10	9.4	94		
2,4,6-Tribromophenol		10	8	80		
4-Terphenyl-d14		10	9.7	97		

Comments:

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

Flags:

BQL = Below Quantitation Limits.

J = Detected below the quantitation limit.

Reviewed By: 

Results of Library Search for Semivolatile Compounds
by GCMS

Client Sample ID: USTAS497-MW04
Client Project ID: CTO 013
Lab Sample ID: G649-98-17F
Lab Project ID: G649-98
Sample Wt/Vol: 993 ML
Dilution: 1

Analyzed By: DCS
Date Collected: 1/8/2009 12:53
Date Received: 1/8/2009

Date Analyzed: 1/16/2009
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Cyclohexane, 1,2-dichloro-, trans-	4.34	000822-86-6	90	6.08
2	Unknown	4.84			2.13
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: USTAS497-MW06
Client Project ID: CTO 013
Lab Sample ID: G649-98-18F
Lab Project ID: G649-98

Analyzed By: DCS
Date Collected: 1/7/2009 14:45
Date Received: 1/8/2009
Date Extracted: 1/9/2009
Matrix: Water

Initial/Final Amt: 992 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	5.04	0.751	1	1/16/2009	
Acenaphthylene	BQL	5.04	0.751	1	1/16/2009	
Anthracene	BQL	5.04	0.882	1	1/16/2009	
Benzo[a]anthracene	BQL	5.04	0.685	1	1/16/2009	
Benzo[a]pyrene	BQL	5.04	0.640	1	1/16/2009	
Benzo[b]fluoranthene	BQL	5.04	0.721	1	1/16/2009	
Benzo[g,h,i]perylene	BQL	5.04	0.620	1	1/16/2009	
Benzo[k]fluoranthene	BQL	5.04	0.554	1	1/16/2009	
Bis(2-chloroethoxy)methane	BQL	5.04	1.04	1	1/16/2009	
Bis(2-chloroethyl)ether	BQL	5.04	1.05	1	1/16/2009	
Bis(2-chloroisopropyl)ether	BQL	5.04	0.983	1	1/16/2009	
Bis(2-ethylhexyl)phthalate	BQL	5.04	0.413	1	1/16/2009	
4-bromophenyl phenyl ether	BQL	5.04	0.786	1	1/16/2009	
Butylbenzylphthalate	BQL	5.04	0.449	1	1/16/2009	
2-Chloronaphthalene	BQL	5.04	0.872	1	1/16/2009	
2-Chlorophenol	BQL	5.04	1.18	1	1/16/2009	
4-Chloro-3-methylphenol	BQL	5.04	0.801	1	1/16/2009	
4-Chlorophenyl phenyl ether	BQL	5.04	3.28	1	1/16/2009	
Chrysene	BQL	5.04	0.559	1	1/16/2009	
Dibenzo[a,h]anthracene	BQL	5.04	0.444	1	1/16/2009	
Di-n-Butylphthalate	BQL	5.04	0.832	1	1/16/2009	
3,3'-Dichlorobenzidine	BQL	10.1	1.23	1	1/16/2009	
2,4-Dichlorophenol	BQL	5.04	1.13	1	1/16/2009	
Diethylphthalate	BQL	5.04	0.746	1	1/16/2009	
Dimethylphthalate	BQL	5.04	0.559	1	1/16/2009	
2,4-Dimethylphenol	BQL	5.04	1.63	1	1/16/2009	
Di-n-octylphthalate	BQL	5.04	0.585	1	1/16/2009	
4,6-Dinitro-2-methylphenol	BQL	25.2	0.554	1	1/16/2009	
2,4-Dinitrophenol	BQL	25.2	0.645	1	1/16/2009	
2,4-Dinitrotoluene	BQL	5.04	0.539	1	1/16/2009	
2,6-Dinitrotoluene	BQL	5.04	0.655	1	1/16/2009	
Diphenylamine *	BQL	5.04	0.575	1	1/16/2009	
Fluoranthene	BQL	5.04	0.711	1	1/16/2009	
Fluorene	BQL	5.04	0.731	1	1/16/2009	
Hexachlorobenzene	BQL	5.04	0.509	1	1/16/2009	
Hexachlorobutadiene	BQL	5.04	0.766	1	1/16/2009	
Hexachlorocyclopentadiene	BQL	10.1	10.1	1	1/16/2009	
Hexachloroethane	BQL	5.04	0.751	1	1/16/2009	
Indeno(1,2,3-c,d)pyrene	BQL	5.04	2.30	1	1/16/2009	
Isophorone	BQL	5.04	0.892	1	1/16/2009	
Naphthalene	BQL	5.04	0.917	1	1/16/2009	
Nitrobenzene	BQL	5.04	1.06	1	1/16/2009	
2-Nitrophenol	BQL	5.04	1.24	1	1/16/2009	
4-Nitrophenol	BQL	25.2	1.09	1	1/16/2009	
N-Nitrosodi-n-propylamine	BQL	5.04	1.51	1	1/16/2009	
Pentachlorophenol	BQL	25.2	1.43	1	1/16/2009	
Phenanthrene	BQL	5.04	0.449	1	1/16/2009	

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: USTAS497-MW06
Client Project ID: CTO 013
Lab Sample ID: G649-98-18F
Lab Project ID: G649-98

Analyzed By: DCS
Date Collected: 1/7/2009 14:45
Date Received: 1/8/2009
Date Extracted: 1/9/2009
Matrix: Water

Initial/Final Amt: 992 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	5.04	1.07	1	1/16/2009	
Pyrene	BQL	5.04	2.08	1	1/16/2009	
1,2,4-Trichlorobenzene	BQL	5.04	0.726	1	1/16/2009	
2,4,6-Trichlorophenol	BQL	5.04	0.932	1	1/16/2009	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	8.9	89		
2-Fluorophenol		10	8.7	87		
Nitrobenzene-d5		10	9.4	94		
Phenol-d6		10	8.8	88		
2,4,6-Tribromophenol		10	7.9	79		
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: USTAS497-MW06
Client Project ID: CTO 013
Lab Sample ID: G649-98-18F
Lab Project ID: G649-98
Sample Wt/Vol: 992 ML
Dilution: 1

Analyzed By: DCS
Date Collected: 1/7/2009 14:45
Date Received: 1/8/2009
Date Analyzed: 1/16/2009
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Cyclohexane, 1,2-dichloro-, trans-	4.34	000822-86-6	90	7.82
2	Unknown	4.84			2.18
3	Unknown	6.68			2.07
4					
5					
6					
7					
8					
9					
10					

Comment:

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

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

Reviewed by: 



SGS Environmental Services Inc.
CHAIN OF CUSTODY RECORD

Locations Nationwide
• Alaska • Maryland
• New Jersey • New York
• North Carolina • Ohio
• West Virginia

www.us.sgs.com

1 CLIENT: <u>OSAGE of VIRGINIA</u>					SGS Reference #: <u>6649-98</u>					page <u>1</u> of <u>2</u>											
CONTACT: <u>THESSA ELLERMAN</u> PHONE NO: <u>757-274-4949</u>																					
PROJECT: <u>CTO 013</u> SITE/PWSID#: <u>Rapid Refueler</u>																					
REPORTS TO: <u>Shaun Whitworth</u> EMAIL: <u>swhitworth@osageva.com</u>																					
INVOICE TO: <u>Mike Cree</u> QUOTE #: <u>CTO 013</u>																					
					# CONTAINERS	SAMPLE TYPE C= COMP G= GRAB MI= Multi Incremental Samples	Preservatives Used	HC1	NONE												
							Analysis Required														
							3														
LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX/MATRIX CODE															REMARKS/LOC ID		
	USTRF-MW01	1/7/09	1720	W	5		X	X													
	USTRF-MW02	1/7/09	1625	W	5		X	X													
	USTRF-MW03	1/7/09	1435	W	5		X	X													
	USTRF-MW04	1/7/09	1301	W	5		X	X													
	USTRF-MW05	1/8/09	1150	W	5		X	X													
	USTRF-MW06 ^{MW10}	1/8/09	1011	W	5		X	X													
	USTRF-MW11	1/7/09	1239	W	5		X	X													
	USTRF-MW12	1/8/09	1120	W	5		X	X													
	USTRF-MW13	1/7/09	1524	W	5		X	X													
	USTRF-MW14	1/7/09	1145	W	5		X	X													
Collected/Relinquished By: (1)		Date	Time	Received By:		DOD Project? YES NO		Special Deliverable Requirements:													
<u>Thessa Ellerman</u>		1/8/09	1557	<u>Whitworth</u> 1557				Cooler ID _____ EDD FORMAT													
Relinquished By: (2)		Date	Time	Received By:		Requested Turnaround Time and-or Special Instructions:															
		1/8/09	17:05	<u>Thessa Ellerman</u>		EDD format to <u>swhitworth@osageva.com</u> <u>tellerman@osageva.com</u>															
Relinquished By: (3)		Date	Time	Received By:		Samples Received Cold? YES NO <u>3.4</u>		Chain of Custody Seal: (Circle)													
						Cooler <u>4.3, 5.8, 10.8, 4.7</u> TB		INTACT BROKEN ABSENT													
Relinquished By: (4)		Date	Time	Received For Laboratory By:		Temperature °C: _____															



SGS Environmental Services Inc.
CHAIN OF CUSTODY RECORD

Locations Nationwide
• Alaska • Maryland
• New Jersey • New York
• North Carolina • Ohio
• West Virginia
www.us.sgs.com

1 CLIENT: <u>OSAGE of VIRGINIA</u>					SGS Reference #: <u>G649-98</u>					page <u>2</u> of <u>2</u>									
CONTACT: <u>PG 1</u> PHONE NO: _____					# CONTAINERS	SAMPLE TYPE C= COMP G= GRAB MI= Multi Incremental Samples	Preservatives Used	<u>HCL</u>	<u>None</u>										
PROJECT: <u>CT013</u> SITE/PWSID#: _____							Analysis Required	<u>3</u>	<u>602, 4, 10, 15, 17, 18</u>	<u>625 (+ 110s)</u>									
REPORTS TO: _____ EMAIL: _____																			
INVOICE TO: <u>PG 1</u> QUOTE #: _____																			
P.O. #: _____																			
2	LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX/ MATRIX CODE													REMARKS/ LOC ID	
		USTRF-MW15	1/7/09	1315	W	5		X	X										
		USTRF-MW17	1/8/09	1325	W	5		X	X										
		USTRF-MW03G	1/8/09	1300	W	5		X	X										
		USTAS497-MW01	1/8/09	0936	W	5		X	X										
		USTAS497-MW02	1/8/09	1023	W	5		X	X										
		USTAS497-MW03	1/7/09	1521	W	5		X	X										
		USTAS497-MW04	1/8/09	1253	W	5		X	X										
		USTAS497-MW06	1/7/09	1445	W	5		X	X										
		TRIP BLANKS	1/8/09	1510	W	2		X											
5	Collected/Relinquished By: (1) <u>[Signature]</u>		Date	Time	Received By: <u>[Signature]</u>		DOD Project? YES NO			Special Deliverable Requirements:									
			1/8/09	1557	1557		Cooler ID _____			EDD Format									
	Relinquished By: (2)		Date	Time	Received By: <u>[Signature]</u>		Requested Turnaround Time and-or Special Instructions:												
			1/8/09	17:05			Email RESULTS — PG 1												
	Relinquished By: (3)		Date	Time	Received By:		Samples Received Cold? YES NO					Chain of Custody Seal: (Circle)							
							Cooler TB					INTACT BROKEN ABSENT							
	Relinquished By: (4)		Date	Time	Received For Laboratory By:		Temperature °C: <u>4.3, 5.8, 5.8, 4.7, 3.8, 3.4</u>												



Shaun Whitworth
Osage of Virginia
2618 A Colley Ave
Norfolk, VA 23517

Report Number: G649-99

Client Project: CTO 013

Dear Shaun Whitworth,

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 Environmental Services at (910) 350-1903. We will be happy to answer any questions or concerns which you may have.

Thank you for using SGS Environmental Services for your analytical services. We look forward to working with you again on any additional analytical needs which you may have.

Sincerely,
SGS Environmental Services, Inc.

Revised
Ashley Nifong 5/7/09
Project Manager Date
Ashley Nifong

List of Reporting Abbreviations
And Data Qualifiers

B = Compound also detected in batch blank

BQL = Below Quantification 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/CL = Reporting Limit / Control 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.

SGS Environmental Services, Inc.

Results for Volatiles
by GC 602

Client Sample ID: USTRF-MW06

Analyzed By: RSB

Client Project ID: CTO 013

Date Collected: 1/8/2009 17:10

Lab Sample ID: G649-99-1A

Date Received: 1/9/2009

Lab Project ID: G649-99

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.428	1	1/16/2009	
Diisopropyl ether (DIPE)	BQL	1.00	0.391	1	1/16/2009	
Ethylbenzene	BQL	1.00	0.341	1	1/16/2009	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.778	1	1/16/2009	
Toluene	BQL	1.00	0.404	1	1/16/2009	
m/p-Xylene	BQL	2.00	0.671	1	1/16/2009	
o-Xylene	BQL	1.00	0.302	1	1/16/2009	

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	40.1	100

Comments:

All values corrected for dilution.

BQL = Below quantitation limit.

SGS Environmental Services, Inc.

Results for Volatiles
by GC 602

Client Sample ID: USTRF-MW07

Analyzed By: RSB

Client Project ID: CTO 013

Date Collected: 1/8/2009 18:00

Lab Sample ID: G649-99-2A

Date Received: 1/9/2009

Lab Project ID: G649-99

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.428	1	1/16/2009	
Diisopropyl ether (DIPE)	BQL	1.00	0.391	1	1/16/2009	
Ethylbenzene	BQL	1.00	0.341	1	1/16/2009	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.778	1	1/16/2009	
Toluene	BQL	1.00	0.404	1	1/16/2009	
m/p-Xylene	BQL	2.00	0.671	1	1/16/2009	
o-Xylene	BQL	1.00	0.302	1	1/16/2009	

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	40.0	100

Comments:

All values corrected for dilution.

BQL = Below quantitation limit.

SGS Environmental Services, Inc.

Results for Volatiles by GC 602

Client Sample ID: USTRF-MW08

Analyzed By: RSB

Client Project ID: CTO 013

Date Collected: 1/8/2009 17:28

Lab Sample ID: G649-99-3A

Date Received: 1/9/2009

Lab Project ID: G649-99

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.428	1	1/16/2009	
Diisopropyl ether (DIPE)	BQL	1.00	0.391	1	1/16/2009	
Ethylbenzene	BQL	1.00	0.341	1	1/16/2009	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.778	1	1/16/2009	
Toluene	BQL	1.00	0.404	1	1/16/2009	
m/p-Xylene	BQL	2.00	0.671	1	1/16/2009	
o-Xylene	BQL	1.00	0.302	1	1/16/2009	

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	39.7	99.2

Comments:

All values corrected for dilution.

BQL = Below quantitation limit.

SGS Environmental Services, Inc.

Results for Volatiles
by GC 602

Client Sample ID: USTRF-MW09

Analyzed By: RSB

Client Project ID: CTO 013

Date Collected: 1/8/2009 16:36

Lab Sample ID: G649-99-4A

Date Received: 1/9/2009

Lab Project ID: G649-99

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.428	1	1/16/2009	
Diisopropyl ether (DIPE)	BQL	1.00	0.391	1	1/16/2009	
Ethylbenzene	BQL	1.00	0.341	1	1/16/2009	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.778	1	1/16/2009	
Toluene	BQL	1.00	0.404	1	1/16/2009	
m/p-Xylene	BQL	2.00	0.671	1	1/16/2009	
o-Xylene	BQL	1.00	0.302	1	1/16/2009	

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	40.0	100

Comments:

All values corrected for dilution.

BQL = Below quantitation limit.

SGS Environmental Services, Inc.

Results for Volatiles
by GC 602

Client Sample ID: USTRF-MW22

Analyzed By: RSB

Client Project ID: CTO 013

Date Collected: 1/9/2009 12:30

Lab Sample ID: G649-99-5A

Date Received: 1/9/2009

Lab Project ID: G649-99

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.428	1	1/16/2009	
Diisopropyl ether (DIPE)	BQL	1.00	0.391	1	1/16/2009	
Ethylbenzene	8.86	1.00	0.341	1	1/16/2009	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.778	1	1/16/2009	
Toluene	0.425	1.00	0.404	1	1/16/2009	J
m/p-Xylene	3.91	2.00	0.671	1	1/16/2009	
o-Xylene	7.88	1.00	0.302	1	1/16/2009	

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	40.1	100

Comments:

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

SGS Environmental Services, Inc.

Results for Volatiles

by GC 602

Client Sample ID: USTRF-MW06G

Analyzed By: RSB

Client Project ID: CTO 013

Date Collected: 1/8/2009 15:35

Lab Sample ID: G649-99-6A

Date Received: 1/9/2009

Lab Project ID: G649-99

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.428	1	1/16/2009	
Diisopropyl ether (DIPE)	BQL	1.00	0.391	1	1/16/2009	
Ethylbenzene	BQL	1.00	0.341	1	1/16/2009	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.778	1	1/16/2009	
Toluene	BQL	1.00	0.404	1	1/16/2009	
m/p-Xylene	BQL	2.00	0.671	1	1/16/2009	
o-Xylene	BQL	1.00	0.302	1	1/16/2009	

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	40.4	101

Comments:

All values corrected for dilution.

BQL = Below quantitation limit.

SGS Environmental Services, Inc.

Results for Volatiles

by GC 602

Client Sample ID: USTAS511-MW01

Analyzed By: RSB

Client Project ID: CTO 013

Date Collected: 1/9/2009 14:00

Lab Sample ID: G649-99-7A

Date Received: 1/9/2009

Lab Project ID: G649-99

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.428	1	1/16/2009	
Diisopropyl ether (DIPE)	BQL	1.00	0.391	1	1/16/2009	
Ethylbenzene	BQL	1.00	0.341	1	1/16/2009	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.778	1	1/16/2009	
Toluene	BQL	1.00	0.404	1	1/16/2009	
m/p-Xylene	BQL	2.00	0.671	1	1/16/2009	
o-Xylene	BQL	1.00	0.302	1	1/16/2009	

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	40.3	101

Comments:

All values corrected for dilution.

BQL = Below quantitation limit.

SGS Environmental Services, Inc.

Results for Volatiles

by GC 602

Client Sample ID: USTAS511-MW02

Analyzed By: RSB

Client Project ID: CTO 013

Date Collected: 1/9/2009 11:20

Lab Sample ID: G649-99-8A

Date Received: 1/9/2009

Lab Project ID: G649-99

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.428	1	1/16/2009	
Diisopropyl ether (DIPE)	BQL	1.00	0.391	1	1/16/2009	
Ethylbenzene	BQL	1.00	0.341	1	1/16/2009	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.778	1	1/16/2009	
Toluene	BQL	1.00	0.404	1	1/16/2009	
m/p-Xylene	BQL	2.00	0.671	1	1/16/2009	
o-Xylene	BQL	1.00	0.302	1	1/16/2009	

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	39.9	99.8

Comments:

All values corrected for dilution.

BQL = Below quantitation limit.

SGS Environmental Services, Inc.

Results for Volatiles

by GC 602

Client Sample ID: USTAS511-MW03

Analyzed By: RSB

Client Project ID: CTO 013

Date Collected: 1/9/2009 9:15

Lab Sample ID: G649-99-9A

Date Received: 1/9/2009

Lab Project ID: G649-99

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.428	1	1/15/2009	
Diisopropyl ether (DIPE)	BQL	1.00	0.391	1	1/15/2009	
Ethylbenzene	BQL	1.00	0.341	1	1/15/2009	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.778	1	1/15/2009	
Toluene	BQL	1.00	0.404	1	1/15/2009	
m/p-Xylene	BQL	2.00	0.671	1	1/15/2009	
o-Xylene	BQL	1.00	0.302	1	1/15/2009	

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	40.2	100

Comments:

All values corrected for dilution.

BQL = Below quantitation limit.

SGS Environmental Services, Inc.

Results for Volatiles by GC 602

Client Sample ID: USTAS511-MW04

Analyzed By: RSB

Client Project ID: CTO 013

Date Collected: 1/9/2009 13:05

Lab Sample ID: G649-99-10A

Date Received: 1/9/2009

Lab Project ID: G649-99

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.428	1	1/16/2009	
Diisopropyl ether (DIPE)	BQL	1.00	0.391	1	1/16/2009	
Ethylbenzene	BQL	1.00	0.341	1	1/16/2009	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.778	1	1/16/2009	
Toluene	BQL	1.00	0.404	1	1/16/2009	
m/p-Xylene	BQL	2.00	0.671	1	1/16/2009	
o-Xylene	BQL	1.00	0.302	1	1/16/2009	

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	39.7	99.4

Comments:

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

SGS Environmental Services, Inc.

Results for Volatiles

by GC 602

Client Sample ID: USTAS511-MW05

Analyzed By: RSB

Client Project ID: CTO 013

Date Collected: 1/9/2009 14:18

Lab Sample ID: G649-99-11A

Date Received: 1/9/2009

Lab Project ID: G649-99

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.428	1	1/16/2009	
Diisopropyl ether (DIPE)	BQL	1.00	0.391	1	1/16/2009	
Ethylbenzene	BQL	1.00	0.341	1	1/16/2009	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.778	1	1/16/2009	
Toluene	BQL	1.00	0.404	1	1/16/2009	
m/p-Xylene	BQL	2.00	0.671	1	1/16/2009	
o-Xylene	BQL	1.00	0.302	1	1/16/2009	

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	41.0	103

Comments:

All values corrected for dilution.

BQL = Below quantitation limit.

SGS Environmental Services, Inc.

Results for Volatiles

by GC 602

Client Sample ID: USTAS511-MW06

Analyzed By: RSB

Client Project ID: CTO 013

Date Collected: 1/9/2009 10:45

Lab Sample ID: G649-99-12A

Date Received: 1/9/2009

Lab Project ID: G649-99

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.428	1	1/16/2009	
Diisopropyl ether (DIPE)	BQL	1.00	0.391	1	1/16/2009	
Ethylbenzene	BQL	1.00	0.341	1	1/16/2009	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.778	1	1/16/2009	
Toluene	BQL	1.00	0.404	1	1/16/2009	
m/p-Xylene	BQL	2.00	0.671	1	1/16/2009	
o-Xylene	BQL	1.00	0.302	1	1/16/2009	

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	40.0	100

Comments:

All values corrected for dilution.

BQL = Below quantitation limit.

SGS Environmental Services, Inc.

Results for Volatiles

by GC 602

Client Sample ID: USTAS511-MW07

Analyzed By: RSB

Client Project ID: CTO 013

Date Collected: 1/9/2009 10:30

Lab Sample ID: G649-99-13A

Date Received: 1/9/2009

Lab Project ID: G649-99

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.428	1	1/16/2009	
Diisopropyl ether (DIPE)	BQL	1.00	0.391	1	1/16/2009	
Ethylbenzene	BQL	1.00	0.341	1	1/16/2009	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.778	1	1/16/2009	
Toluene	BQL	1.00	0.404	1	1/16/2009	
m/p-Xylene	BQL	2.00	0.671	1	1/16/2009	
o-Xylene	BQL	1.00	0.302	1	1/16/2009	

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	39.4	98.4

Comments:

All values corrected for dilution.

BQL = Below quantitation limit.

SGS Environmental Services, Inc.

Results for Volatiles

by GC 602

Client Sample ID: USTAS511-MW08

Analyzed By: RSB

Client Project ID: CTO 013

Date Collected: 1/9/2009 12:25

Lab Sample ID: G649-99-14A

Date Received: 1/9/2009

Lab Project ID: G649-99

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.177	1	1/20/2009	
Diisopropyl ether (DIPE)	BQL	1.00	0.253	1	1/20/2009	
Ethylbenzene	BQL	1.00	0.19	1	1/20/2009	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.306	1	1/20/2009	
Toluene	BQL	1.00	0.313	1	1/20/2009	
m/p-Xylene	BQL	2.00	0.481	1	1/20/2009	
o-Xylene	BQL	2.00	0.405	1	1/20/2009	

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	42.5	106

Comments:

All values corrected for dilution.

BQL = Below quantitation limit.

SGS Environmental Services, Inc.

Results for Volatiles

by GC 602

Client Sample ID: USTAS527-MW10

Analyzed By: RSB

Client Project ID: CTO 013

Date Collected: 1/9/2009 14:10

Lab Sample ID: G649-99-15A

Date Received: 1/9/2009

Lab Project ID: G649-99

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	2.33	1.00	0.177	1	1/20/2009	
Diisopropyl ether (DIPE)	BQL	1.00	0.253	1	1/20/2009	
Ethylbenzene	13.3	1.00	0.19	1	1/20/2009	
Methyl-tert butyl ether (MTBE)	2.93	2.00	0.306	1	1/20/2009	
Toluene	BQL	1.00	0.313	1	1/20/2009	
m/p-Xylene	1.11	2.00	0.481	1	1/20/2009	J
o-Xylene	0.657	2.00	0.405	1	1/20/2009	J

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	42.0	105

Comments:

All values corrected for dilution.

BQL = Below quantitation limit.

SGS Environmental Services, Inc.

Results for Volatiles
by GC 602

Client Sample ID: USTAS527-MW12

Analyzed By: RSB

Client Project ID: CTO 013

Date Collected: 1/9/2009 11:10

Lab Sample ID: G649-99-16A

Date Received: 1/9/2009

Lab Project ID: G649-99

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.177	1	1/20/2009	
Diisopropyl ether (DIPE)	BQL	1.00	0.253	1	1/20/2009	
Ethylbenzene	0.639	1.00	0.19	1	1/20/2009	J
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.306	1	1/20/2009	
Toluene	BQL	1.00	0.313	1	1/20/2009	
m/p-Xylene	BQL	2.00	0.481	1	1/20/2009	
o-Xylene	BQL	2.00	0.405	1	1/20/2009	

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

Comments:

All values corrected for dilution.

BQL = Below quantitation limit.

SGS Environmental Services, Inc.

Results for Volatiles
by GC 602

Client Sample ID: USTAS527-MW16

Analyzed By: RSB

Client Project ID: CTO 013

Date Collected: 1/9/2009 11:50

Lab Sample ID: G649-99-17A

Date Received: 1/9/2009

Lab Project ID: G649-99

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.177	1	1/20/2009	
Diisopropyl ether (DIPE)	BQL	1.00	0.253	1	1/20/2009	
Ethylbenzene	BQL	1.00	0.19	1	1/20/2009	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.306	1	1/20/2009	
Toluene	BQL	1.00	0.313	1	1/20/2009	
m/p-Xylene	BQL	2.00	0.481	1	1/20/2009	
o-Xylene	BQL	2.00	0.405	1	1/20/2009	

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	41.5	104

Comments:

All values corrected for dilution.

BQL = Below quantitation limit.

SGS Environmental Services, Inc.

Results for Volatiles

by GC 602

Client Sample ID: USTRF-DUPLICATE 1

Analyzed By: RSB

Client Project ID: CTO 013

Date Collected:

Lab Sample ID: G649-99-18A

Date Received: 1/9/2009

Lab Project ID: G649-99

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.428	1	1/16/2009	
Diisopropyl ether (DIPE)	BQL	1.00	0.391	1	1/16/2009	
Ethylbenzene	11.8	1.00	0.341	1	1/16/2009	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.778	1	1/16/2009	
Toluene	BQL	1.00	0.404	1	1/16/2009	
m/p-Xylene	2.72	2.00	0.671	1	1/16/2009	
o-Xylene	0.493	1.00	0.302	1	1/16/2009	J

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	39.8	99.5

Comments:

All values corrected for dilution.

BQL = Below quantitation limit.

SGS Environmental Services, Inc.

Results for Volatiles

by GC 602

Client Sample ID: USTAS527-DUPLICATE 2

Analyzed By: RSB

Client Project ID: CTO 013

Date Collected:

Lab Sample ID: G649-99-19A

Date Received: 1/9/2009

Lab Project ID: G649-99

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.177	1	1/20/2009	
Diisopropyl ether (DIPE)	BQL	1.00	0.253	1	1/20/2009	
Ethylbenzene	14.9	1.00	0.19	1	1/20/2009	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.306	1	1/20/2009	
Toluene	BQL	1.00	0.313	1	1/20/2009	
m/p-Xylene	4.36	2.00	0.481	1	1/20/2009	
o-Xylene	BQL	2.00	0.405	1	1/20/2009	

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	41.9	105

Comments:

All values corrected for dilution.

BQL = Below quantitation limit.

SGS Environmental Services, Inc.

Results for Volatiles
by GC 602

Client Sample ID: TRIP BLANKS
Client Project ID: CTO 013
Lab Sample ID: G649-99-20A
Lab Project ID: G649-99

Analyzed By: RSB
Date Collected: 1/9/2009
Date Received: 1/9/2009
Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.177	1	1/20/2009	
Diisopropyl ether (DIPE)	BQL	1.00	0.253	1	1/20/2009	
Ethylbenzene	BQL	1.00	0.19	1	1/20/2009	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.306	1	1/20/2009	
Toluene	BQL	1.00	0.313	1	1/20/2009	
m/p-Xylene	BQL	2.00	0.481	1	1/20/2009	
o-Xylene	BQL	2.00	0.405	1	1/20/2009	

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	41.4	104

Comments:

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

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTRF-MW06
 Client Project ID: CTO 013
 Lab Sample ID: G649-99-1F
 Lab Project ID: G649-99

Analyzed By: DCS
 Date Collected: 1/8/2009 17:10
 Date Received: 1/9/2009
 Date Extracted: 1/13/2009
 Matrix: Water

Initial/Final Amt: 995 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	5.03	0.749	1	1/17/2009	
Acenaphthylene	BQL	5.03	0.749	1	1/17/2009	
Anthracene	BQL	5.03	0.879	1	1/17/2009	
Benzo[a]anthracene	BQL	5.03	0.683	1	1/17/2009	
Benzo[a]pyrene	BQL	5.03	0.638	1	1/17/2009	
Benzo[b]fluoranthene	BQL	5.03	0.719	1	1/17/2009	
Benzo[g,h,i]perylene	BQL	5.03	0.618	1	1/17/2009	
Benzo[k]fluoranthene	BQL	5.03	0.553	1	1/17/2009	
Bis(2-chloroethoxy)methane	BQL	5.03	1.04	1	1/17/2009	
Bis(2-chloroethyl)ether	BQL	5.03	1.05	1	1/17/2009	
Bis(2-chloroisopropyl)ether	BQL	5.03	0.980	1	1/17/2009	
Bis(2-ethylhexyl)phthalate	BQL	5.03	0.412	1	1/17/2009	
4-bromophenyl phenyl ether	BQL	5.03	0.784	1	1/17/2009	
Butylbenzylphthalate	BQL	5.03	0.447	1	1/17/2009	
2-Chloronaphthalene	BQL	5.03	0.869	1	1/17/2009	
2-Chlorophenol	BQL	5.03	1.18	1	1/17/2009	
4-Chloro-3-methylphenol	BQL	5.03	0.799	1	1/17/2009	
4-Chlorophenyl phenyl ether	BQL	5.03	3.27	1	1/17/2009	
Chrysene	BQL	5.03	0.558	1	1/17/2009	
Dibenzo[a,h]anthracene	BQL	5.03	0.442	1	1/17/2009	
Di-n-Butylphthalate	BQL	5.03	0.829	1	1/17/2009	
3,3'-Dichlorobenzidine	BQL	10.1	1.23	1	1/17/2009	
2,4-Dichlorophenol	BQL	5.03	1.13	1	1/17/2009	
Diethylphthalate	BQL	5.03	0.744	1	1/17/2009	
Dimethylphthalate	BQL	5.03	0.558	1	1/17/2009	
2,4-Dimethylphenol	BQL	5.03	1.63	1	1/17/2009	
Di-n-octylphthalate	BQL	5.03	0.583	1	1/17/2009	
4,6-Dinitro-2-methylphenol	BQL	25.1	0.553	1	1/17/2009	
2,4-Dinitrophenol	BQL	25.1	0.643	1	1/17/2009	
2,4-Dinitrotoluene	BQL	5.03	0.538	1	1/17/2009	
2,6-Dinitrotoluene	BQL	5.03	0.653	1	1/17/2009	
Diphenylamine *	BQL	5.03	0.573	1	1/17/2009	
Fluoranthene	BQL	5.03	0.709	1	1/17/2009	
Fluorene	BQL	5.03	0.729	1	1/17/2009	
Hexachlorobenzene	BQL	5.03	0.508	1	1/17/2009	
Hexachlorobutadiene	BQL	5.03	0.764	1	1/17/2009	
Hexachlorocyclopentadiene	BQL	10.1	10.1	1	1/17/2009	
Hexachloroethane	BQL	5.03	0.749	1	1/17/2009	
Indeno(1,2,3-c,d)pyrene	BQL	5.03	2.30	1	1/17/2009	
Isophorone	BQL	5.03	0.889	1	1/17/2009	
Naphthalene	BQL	5.03	0.915	1	1/17/2009	
Nitrobenzene	BQL	5.03	1.06	1	1/17/2009	
2-Nitrophenol	BQL	5.03	1.24	1	1/17/2009	
4-Nitrophenol	BQL	25.1	1.09	1	1/17/2009	
N-Nitrosodi-n-propylamine	BQL	5.03	1.51	1	1/17/2009	
Pentachlorophenol	BQL	25.1	1.42	1	1/17/2009	
Phenanthrene	BQL	5.03	0.447	1	1/17/2009	

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTRF-MW06
Client Project ID: CTO 013
Lab Sample ID: G649-99-1F
Lab Project ID: G649-99

Analyzed By: DCS
Date Collected: 1/8/2009 17:10
Date Received: 1/9/2009
Date Extracted: 1/13/2009
Matrix: Water

Initial/Final Amt: 995 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	5.03	1.07	1	1/17/2009	
Pyrene	BQL	5.03	2.08	1	1/17/2009	
1,2,4-Trichlorobenzene	BQL	5.03	0.724	1	1/17/2009	
2,4,6-Trichlorophenol	BQL	5.03	0.930	1	1/17/2009	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	9.3	93		
2-Fluorophenol		10	8.8	88		
Nitrobenzene-d5		10	10.3	103		
Phenol-d6		10	9.5	95		
2,4,6-Tribromophenol		10	7.8	78		
4-Terphenyl-d14		10	9.5	95		

Comments:

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

Flags:

BQL = Below Quantitation Limits.

J = Detected below the quantitation limit.

Reviewed By: 

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTRF-MW07

Client Project ID: CTO 013

Lab Sample ID: G649-99-2F

Lab Project ID: G649-99

Analyzed By: DCS

Date Collected: 1/8/2009 18:00

Date Received: 1/9/2009

Date Extracted: 1/13/2009

Matrix: Water

Initial/Final Amt: 923 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	5.42	0.807	1	1/17/2009	
Acenaphthylene	BQL	5.42	0.807	1	1/17/2009	
Anthracene	BQL	5.42	0.948	1	1/17/2009	
Benzo[a]anthracene	BQL	5.42	0.737	1	1/17/2009	
Benzo[a]pyrene	BQL	5.42	0.688	1	1/17/2009	
Benzo[b]fluoranthene	BQL	5.42	0.775	1	1/17/2009	
Benzo[g,h,i]perylene	BQL	5.42	0.666	1	1/17/2009	
Benzo[k]fluoranthene	BQL	5.42	0.596	1	1/17/2009	
Bis(2-chloroethoxy)methane	BQL	5.42	1.12	1	1/17/2009	
Bis(2-chloroethyl)ether	BQL	5.42	1.13	1	1/17/2009	
Bis(2-chloroisopropyl)ether	BQL	5.42	1.06	1	1/17/2009	
Bis(2-ethylhexyl)phthalate	BQL	5.42	0.444	1	1/17/2009	
4-bromophenyl phenyl ether	BQL	5.42	0.845	1	1/17/2009	
Butylbenzylphthalate	BQL	5.42	0.482	1	1/17/2009	
2-Chloronaphthalene	BQL	5.42	0.937	1	1/17/2009	
2-Chlorophenol	BQL	5.42	1.27	1	1/17/2009	
4-Chloro-3-methylphenol	BQL	5.42	0.861	1	1/17/2009	
4-Chlorophenyl phenyl ether	BQL	5.42	3.53	1	1/17/2009	
Chrysene	BQL	5.42	0.601	1	1/17/2009	
Dibenzo[a,h]anthracene	BQL	5.42	0.477	1	1/17/2009	
Di-n-Butylphthalate	BQL	5.42	0.894	1	1/17/2009	
3,3'-Dichlorobenzidine	BQL	10.8	1.32	1	1/17/2009	
2,4-Dichlorophenol	BQL	5.42	1.21	1	1/17/2009	
Diethylphthalate	BQL	5.42	0.802	1	1/17/2009	
Dimethylphthalate	BQL	5.42	0.601	1	1/17/2009	
2,4-Dimethylphenol	BQL	5.42	1.76	1	1/17/2009	
Di-n-octylphthalate	BQL	5.42	0.628	1	1/17/2009	
4,6-Dinitro-2-methylphenol	BQL	27.1	0.596	1	1/17/2009	
2,4-Dinitrophenol	BQL	27.1	0.693	1	1/17/2009	
2,4-Dinitrotoluene	BQL	5.42	0.580	1	1/17/2009	
2,6-Dinitrotoluene	BQL	5.42	0.704	1	1/17/2009	
Diphenylamine *	BQL	5.42	0.618	1	1/17/2009	
Fluoranthene	BQL	5.42	0.764	1	1/17/2009	
Fluorene	BQL	5.42	0.785	1	1/17/2009	
Hexachlorobenzene	BQL	5.42	0.547	1	1/17/2009	
Hexachlorobutadiene	BQL	5.42	0.823	1	1/17/2009	
Hexachlorocyclopentadiene	BQL	10.8	10.8	1	1/17/2009	
Hexachloroethane	BQL	5.42	0.807	1	1/17/2009	
Indeno(1,2,3-c,d)pyrene	BQL	5.42	2.48	1	1/17/2009	
Isophorone	BQL	5.42	0.959	1	1/17/2009	
Naphthalene	1.03	5.42	0.986	1	1/17/2009	J
Nitrobenzene	BQL	5.42	1.14	1	1/17/2009	
2-Nitrophenol	BQL	5.42	1.33	1	1/17/2009	
4-Nitrophenol	BQL	27.1	1.17	1	1/17/2009	
N-Nitrosodi-n-propylamine	BQL	5.42	1.63	1	1/17/2009	
Pentachlorophenol	BQL	27.1	1.53	1	1/17/2009	
Phenanthrene	BQL	5.42	0.482	1	1/17/2009	

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTRF-MW07
Client Project ID: CTO 013
Lab Sample ID: G649-99-2F
Lab Project ID: G649-99

Analyzed By: DCS
Date Collected: 1/8/2009 18:00
Date Received: 1/9/2009
Date Extracted: 1/13/2009
Matrix: Water

Initial/Final Amt: 923 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	5.42	1.15	1	1/17/2009	
Pyrene	BQL	5.42	2.24	1	1/17/2009	
1,2,4-Trichlorobenzene	BQL	5.42	0.780	1	1/17/2009	
2,4,6-Trichlorophenol	BQL	5.42	1.00	1	1/17/2009	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	9	90		
2-Fluorophenol		10	7.8	78		
Nitrobenzene-d5		10	9.4	94		
Phenol-d6		10	8.5	85		
2,4,6-Tribromophenol		10	7.8	78		
4-Terphenyl-d14		10	9.7	97		

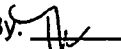
Comments:

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

Flags:

BQL = Below Quantitation Limits.

J = Detected below the quantitation limit.

Reviewed By: 

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTRF-MW08
 Client Project ID: CTO 013
 Lab Sample ID: G649-99-3F
 Lab Project ID: G649-99

Analyzed By: DCS
 Date Collected: 1/8/2009 17:28
 Date Received: 1/9/2009
 Date Extracted: 1/13/2009
 Matrix: Water

Initial/Final Amt: 936 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	5.34	0.796	1	1/17/2009	
Acenaphthylene	BQL	5.34	0.796	1	1/17/2009	
Anthracene	BQL	5.34	0.935	1	1/17/2009	
Benzo[a]anthracene	BQL	5.34	0.726	1	1/17/2009	
Benzo[a]pyrene	BQL	5.34	0.678	1	1/17/2009	
Benzo[b]fluoranthene	BQL	5.34	0.764	1	1/17/2009	
Benzo[g,h,i]perylene	BQL	5.34	0.657	1	1/17/2009	
Benzo[k]fluoranthene	BQL	5.34	0.588	1	1/17/2009	
Bis(2-chloroethoxy)methane	BQL	5.34	1.10	1	1/17/2009	
Bis(2-chloroethyl)ether	BQL	5.34	1.11	1	1/17/2009	
Bis(2-chloroisopropyl)ether	BQL	5.34	1.04	1	1/17/2009	
Bis(2-ethylhexyl)phthalate	BQL	5.34	0.438	1	1/17/2009	
4-bromophenyl phenyl ether	BQL	5.34	0.833	1	1/17/2009	
Butylbenzylphthalate	BQL	5.34	0.475	1	1/17/2009	
2-Chloronaphthalene	BQL	5.34	0.924	1	1/17/2009	
2-Chlorophenol	BQL	5.34	1.25	1	1/17/2009	
4-Chloro-3-methylphenol	BQL	5.34	0.849	1	1/17/2009	
4-Chlorophenyl phenyl ether	BQL	5.34	3.48	1	1/17/2009	
Chrysene	BQL	5.34	0.593	1	1/17/2009	
Dibenzo[a,h]anthracene	BQL	5.34	0.470	1	1/17/2009	
Di-n-Butylphthalate	BQL	5.34	0.881	1	1/17/2009	
3,3'-Dichlorobenzidine	BQL	10.7	1.30	1	1/17/2009	
2,4-Dichlorophenol	BQL	5.34	1.20	1	1/17/2009	
Diethylphthalate	BQL	5.34	0.791	1	1/17/2009	
Dimethylphthalate	BQL	5.34	0.593	1	1/17/2009	
2,4-Dimethylphenol	BQL	5.34	1.73	1	1/17/2009	
Di-n-octylphthalate	BQL	5.34	0.620	1	1/17/2009	
4,6-Dinitro-2-methylphenol	BQL	26.7	0.588	1	1/17/2009	
2,4-Dinitrophenol	BQL	26.7	0.684	1	1/17/2009	
2,4-Dinitrotoluene	BQL	5.34	0.572	1	1/17/2009	
2,6-Dinitrotoluene	BQL	5.34	0.694	1	1/17/2009	
Diphenylamine *	BQL	5.34	0.609	1	1/17/2009	
Fluoranthene	BQL	5.34	0.753	1	1/17/2009	
Fluorene	BQL	5.34	0.775	1	1/17/2009	
Hexachlorobenzene	BQL	5.34	0.540	1	1/17/2009	
Hexachlorobutadiene	BQL	5.34	0.812	1	1/17/2009	
Hexachlorocyclopentadiene	BQL	10.7	10.7	1	1/17/2009	
Hexachloroethane	BQL	5.34	0.796	1	1/17/2009	
Indeno(1,2,3-c,d)pyrene	BQL	5.34	2.44	1	1/17/2009	
Isophorone	BQL	5.34	0.946	1	1/17/2009	
Naphthalene	BQL	5.34	0.972	1	1/17/2009	
Nitrobenzene	BQL	5.34	1.12	1	1/17/2009	
2-Nitrophenol	BQL	5.34	1.31	1	1/17/2009	
4-Nitrophenol	BQL	26.7	1.15	1	1/17/2009	
N-Nitrosodi-n-propylamine	BQL	5.34	1.60	1	1/17/2009	
Pentachlorophenol	BQL	26.7	1.51	1	1/17/2009	
Phenanthrene	BQL	5.34	0.475	1	1/17/2009	

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTRF-MW08
Client Project ID: CTO 013
Lab Sample ID: G649-99-3F
Lab Project ID: G649-99

Analyzed By: DCS
Date Collected: 1/8/2009 17:28
Date Received: 1/9/2009
Date Extracted: 1/13/2009
Matrix: Water

Initial/Final Amt: 936 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	5.34	1.13	1	1/17/2009	
Pyrene	BQL	5.34	2.21	1	1/17/2009	
1,2,4-Trichlorobenzene	BQL	5.34	0.769	1	1/17/2009	
2,4,6-Trichlorophenol	BQL	5.34	0.988	1	1/17/2009	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	9.5	95		
2-Fluorophenol		10	8.1	81		
Nitrobenzene-d5		10	10.3	103		
Phenol-d6		10	8.9	88		
2,4,6-Tribromophenol		10	7.9	79		
4-Terphenyl-d14		10	9.6	96		

Comments:

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

Flags:

BQL = Below Quantitation Limits.

J = Detected below the quantitation limit.

Reviewed By: 

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTRF-MW09
 Client Project ID: CTO 013
 Lab Sample ID: G649-99-4F
 Lab Project ID: G649-99

Analyzed By: DCS
 Date Collected: 1/8/2009 16:36
 Date Received: 1/9/2009
 Date Extracted: 1/13/2009
 Matrix: Water

Initial/Final Amt: 916 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	5.46	0.813	1	1/17/2009	
Acenaphthylene	BQL	5.46	0.813	1	1/17/2009	
Anthracene	BQL	5.46	0.955	1	1/17/2009	
Benzo[a]anthracene	BQL	5.46	0.742	1	1/17/2009	
Benzo[a]pyrene	BQL	5.46	0.693	1	1/17/2009	
Benzo[b]fluoranthene	BQL	5.46	0.781	1	1/17/2009	
Benzo[g,h,i]perylene	BQL	5.46	0.671	1	1/17/2009	
Benzo[k]fluoranthene	BQL	5.46	0.600	1	1/17/2009	
Bis(2-chloroethoxy)methane	BQL	5.46	1.12	1	1/17/2009	
Bis(2-chloroethyl)ether	BQL	5.46	1.14	1	1/17/2009	
Bis(2-chloroisopropyl)ether	BQL	5.46	1.06	1	1/17/2009	
Bis(2-ethylhexyl)phthalate	BQL	5.46	0.448	1	1/17/2009	
4-bromophenyl phenyl ether	BQL	5.46	0.852	1	1/17/2009	
Butylbenzylphthalate	BQL	5.46	0.486	1	1/17/2009	
2-Chloronaphthalene	BQL	5.46	0.944	1	1/17/2009	
2-Chlorophenol	BQL	5.46	1.28	1	1/17/2009	
4-Chloro-3-methylphenol	BQL	5.46	0.868	1	1/17/2009	
4-Chlorophenyl phenyl ether	BQL	5.46	3.55	1	1/17/2009	
Chrysene	BQL	5.46	0.606	1	1/17/2009	
Dibenzo[a,h]anthracene	BQL	5.46	0.480	1	1/17/2009	
Di-n-Butylphthalate	BQL	5.46	0.901	1	1/17/2009	
3,3'-Dichlorobenzidine	BQL	10.9	1.33	1	1/17/2009	
2,4-Dichlorophenol	BQL	5.46	1.22	1	1/17/2009	
Diethylphthalate	BQL	5.46	0.808	1	1/17/2009	
Dimethylphthalate	BQL	5.46	0.606	1	1/17/2009	
2,4-Dimethylphenol	BQL	5.46	1.77	1	1/17/2009	
Di-n-octylphthalate	BQL	5.46	0.633	1	1/17/2009	
4,6-Dinitro-2-methylphenol	BQL	27.3	0.600	1	1/17/2009	
2,4-Dinitrophenol	BQL	27.3	0.699	1	1/17/2009	
2,4-Dinitrotoluene	BQL	5.46	0.584	1	1/17/2009	
2,6-Dinitrotoluene	BQL	5.46	0.710	1	1/17/2009	
Diphenylamine *	BQL	5.46	0.622	1	1/17/2009	
Fluoranthene	BQL	5.46	0.770	1	1/17/2009	
Fluorene	BQL	5.46	0.791	1	1/17/2009	
Hexachlorobenzene	BQL	5.46	0.551	1	1/17/2009	
Hexachlorobutadiene	BQL	5.46	0.830	1	1/17/2009	
Hexachlorocyclopentadiene	BQL	10.9	10.9	1	1/17/2009	
Hexachloroethane	BQL	5.46	0.813	1	1/17/2009	
Indeno(1,2,3-c,d)pyrene	BQL	5.46	2.49	1	1/17/2009	
Isophorone	BQL	5.46	0.966	1	1/17/2009	
Naphthalene	BQL	5.46	0.993	1	1/17/2009	
Nitrobenzene	BQL	5.46	1.15	1	1/17/2009	
2-Nitrophenol	BQL	5.46	1.34	1	1/17/2009	
4-Nitrophenol	BQL	27.3	1.18	1	1/17/2009	
N-Nitrosodi-n-propylamine	BQL	5.46	1.64	1	1/17/2009	
Pentachlorophenol	BQL	27.3	1.54	1	1/17/2009	
Phenanthrene	BQL	5.46	0.486	1	1/17/2009	

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTRF-MW09
Client Project ID: CTO 013
Lab Sample ID: G649-99-4F
Lab Project ID: G649-99

Analyzed By: DCS
Date Collected: 1/8/2009 16:36
Date Received: 1/9/2009
Date Extracted: 1/13/2009
Matrix: Water

Initial/Final Amt: 916 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	5.46	1.16	1	1/17/2009	
Pyrene	BQL	5.46	2.25	1	1/17/2009	
1,2,4-Trichlorobenzene	BQL	5.46	0.786	1	1/17/2009	
2,4,6-Trichlorophenol	BQL	5.46	1.01	1	1/17/2009	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	9.6	96		
2-Fluorophenol		10	8.5	85		
Nitrobenzene-d5		10	10.1	101		
Phenol-d6		10	9.3	93		
2,4,6-Tribromophenol		10	8.3	83		
4-Terphenyl-d14		10	8.2	82		

Comments:

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

Flags:

BQL = Below Quantitation Limits.

J = Detected below the quantitation limit.

Reviewed By: 

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTRF-MW22

Client Project ID: CTO 013

Lab Sample ID: G649-99-5F

Lab Project ID: G649-99

Analyzed By: DCS

Date Collected: 1/9/2009 12:30

Date Received: 1/9/2009

Date Extracted: 1/13/2009

Matrix: Water

Initial/Final Amt: 997 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	5.02	0.747	1	1/17/2009	
Acenaphthylene	BQL	5.02	0.747	1	1/17/2009	
Anthracene	BQL	5.02	0.878	1	1/17/2009	
Benzo[a]anthracene	BQL	5.02	0.682	1	1/17/2009	
Benzo[a]pyrene	BQL	5.02	0.637	1	1/17/2009	
Benzo[b]fluoranthene	BQL	5.02	0.717	1	1/17/2009	
Benzo[g,h,i]perylene	BQL	5.02	0.617	1	1/17/2009	
Benzo[k]fluoranthene	BQL	5.02	0.552	1	1/17/2009	
Bis(2-chloroethoxy)methane	BQL	5.02	1.03	1	1/17/2009	
Bis(2-chloroethyl)ether	BQL	5.02	1.04	1	1/17/2009	
Bis(2-chloroisopropyl)ether	BQL	5.02	0.978	1	1/17/2009	
Bis(2-ethylhexyl)phthalate	0.451	5.02	0.411	1	1/17/2009	J
4-bromophenyl phenyl ether	BQL	5.02	0.782	1	1/17/2009	
Butylbenzylphthalate	BQL	5.02	0.446	1	1/17/2009	
2-Chloronaphthalene	BQL	5.02	0.868	1	1/17/2009	
2-Chlorophenol	BQL	5.02	1.17	1	1/17/2009	
4-Chloro-3-methylphenol	BQL	5.02	0.797	1	1/17/2009	
4-Chlorophenyl phenyl ether	BQL	5.02	3.26	1	1/17/2009	
Chrysene	BQL	5.02	0.557	1	1/17/2009	
Dibenzo[a,h]anthracene	BQL	5.02	0.441	1	1/17/2009	
Di-n-Butylphthalate	BQL	5.02	0.827	1	1/17/2009	
3,3'-Dichlorobenzidine	BQL	10.0	1.22	1	1/17/2009	
2,4-Dichlorophenol	BQL	5.02	1.12	1	1/17/2009	
Diethylphthalate	BQL	5.02	0.742	1	1/17/2009	
Dimethylphthalate	BQL	5.02	0.557	1	1/17/2009	
2,4-Dimethylphenol	BQL	5.02	1.62	1	1/17/2009	
Di-n-octylphthalate	BQL	5.02	0.582	1	1/17/2009	
4,6-Dinitro-2-methylphenol	BQL	25.1	0.552	1	1/17/2009	
2,4-Dinitrophenol	BQL	25.1	0.642	1	1/17/2009	
2,4-Dinitrotoluene	BQL	5.02	0.537	1	1/17/2009	
2,6-Dinitrotoluene	BQL	5.02	0.652	1	1/17/2009	
Diphenylamine *	BQL	5.02	0.572	1	1/17/2009	
Fluoranthene	BQL	5.02	0.707	1	1/17/2009	
Fluorene	BQL	5.02	0.727	1	1/17/2009	
Hexachlorobenzene	BQL	5.02	0.507	1	1/17/2009	
Hexachlorobutadiene	BQL	5.02	0.762	1	1/17/2009	
Hexachlorocyclopentadiene	BQL	10.0	10.0	1	1/17/2009	
Hexachloroethane	BQL	5.02	0.747	1	1/17/2009	
Indeno(1,2,3-c,d)pyrene	BQL	5.02	2.29	1	1/17/2009	
Isophorone	BQL	5.02	0.888	1	1/17/2009	
Naphthalene	30.4	5.02	0.913	1	1/17/2009	
Nitrobenzene	BQL	5.02	1.05	1	1/17/2009	
2-Nitrophenol	BQL	5.02	1.23	1	1/17/2009	
4-Nitrophenol	BQL	25.1	1.08	1	1/17/2009	
N-Nitrosodi-n-propylamine	BQL	5.02	1.50	1	1/17/2009	
Pentachlorophenol	BQL	25.1	1.42	1	1/17/2009	
Phenanthrene	BQL	5.02	0.446	1	1/17/2009	

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTRF-MW22
Client Project ID: CTO 013
Lab Sample ID: G649-99-5F
Lab Project ID: G649-99

Analyzed By: DCS
Date Collected: 1/9/2009 12:30
Date Received: 1/9/2009
Date Extracted: 1/13/2009
Matrix: Water

Initial/Final Amt: 997 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	5.02	1.06	1	1/17/2009	
Pyrene	BQL	5.02	2.07	1	1/17/2009	
1,2,4-Trichlorobenzene	BQL	5.02	0.722	1	1/17/2009	
2,4,6-Trichlorophenol	BQL	5.02	0.928	1	1/17/2009	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	9	90		
2-Fluorophenol		10	8.6	86		
Nitrobenzene-d5		10	9.8	98		
Phenol-d6		10	8.7	87		
2,4,6-Tribromophenol		10	8.2	82		
4-Terphenyl-d14		10	8.3	83		

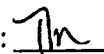
Comments:

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

Flags:

BQL = Below Quantitation Limits.

J = Detected below the quantitation limit.

Reviewed By: 

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTRF-MW06G
Client Project ID: CTO 013
Lab Sample ID: G649-99-6F
Lab Project ID: G649-99

Analyzed By: DCS
Date Collected: 1/8/2009 15:35
Date Received: 1/9/2009
Date Extracted: 1/13/2009
Matrix: Water

Initial/Final Amt: 945 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	5.29	0.788	1	1/17/2009	
Acenaphthylene	BQL	5.29	0.788	1	1/17/2009	
Anthracene	BQL	5.29	0.926	1	1/17/2009	
Benzo[a]anthracene	BQL	5.29	0.720	1	1/17/2009	
Benzo[a]pyrene	BQL	5.29	0.672	1	1/17/2009	
Benzo[b]fluoranthene	BQL	5.29	0.757	1	1/17/2009	
Benzo[g,h,i]perylene	BQL	5.29	0.651	1	1/17/2009	
Benzo[k]fluoranthene	BQL	5.29	0.582	1	1/17/2009	
Bis(2-chloroethoxy)methane	BQL	5.29	1.09	1	1/17/2009	
Bis(2-chloroethyl)ether	BQL	5.29	1.10	1	1/17/2009	
Bis(2-chloroisopropyl)ether	BQL	5.29	1.03	1	1/17/2009	
Bis(2-ethylhexyl)phthalate	15.4	5.29	0.434	1	1/17/2009	
4-bromophenyl phenyl ether	BQL	5.29	0.825	1	1/17/2009	
Butylbenzylphthalate	BQL	5.29	0.471	1	1/17/2009	
2-Chloronaphthalene	BQL	5.29	0.915	1	1/17/2009	
2-Chlorophenol	BQL	5.29	1.24	1	1/17/2009	
4-Chloro-3-methylphenol	BQL	5.29	0.841	1	1/17/2009	
4-Chlorophenyl phenyl ether	BQL	5.29	3.44	1	1/17/2009	
Chrysene	BQL	5.29	0.587	1	1/17/2009	
Dibenzo[a,h]anthracene	BQL	5.29	0.466	1	1/17/2009	
Di-n-Butylphthalate	BQL	5.29	0.873	1	1/17/2009	
3,3'-Dichlorobenzidine	BQL	10.6	1.29	1	1/17/2009	
2,4-Dichlorophenol	BQL	5.29	1.19	1	1/17/2009	
Diethylphthalate	BQL	5.29	0.783	1	1/17/2009	
Dimethylphthalate	BQL	5.29	0.587	1	1/17/2009	
2,4-Dimethylphenol	BQL	5.29	1.71	1	1/17/2009	
Di-n-octylphthalate	BQL	5.29	0.614	1	1/17/2009	
4,6-Dinitro-2-methylphenol	BQL	26.5	0.582	1	1/17/2009	
2,4-Dinitrophenol	BQL	26.5	0.677	1	1/17/2009	
2,4-Dinitrotoluene	BQL	5.29	0.566	1	1/17/2009	
2,6-Dinitrotoluene	BQL	5.29	0.688	1	1/17/2009	
Diphenylamine *	BQL	5.29	0.603	1	1/17/2009	
Fluoranthene	BQL	5.29	0.746	1	1/17/2009	
Fluorene	BQL	5.29	0.767	1	1/17/2009	
Hexachlorobenzene	BQL	5.29	0.534	1	1/17/2009	
Hexachlorobutadiene	BQL	5.29	0.804	1	1/17/2009	
Hexachlorocyclopentadiene	BQL	10.6	10.6	1	1/17/2009	
Hexachloroethane	BQL	5.29	0.788	1	1/17/2009	
Indeno(1,2,3-c,d)pyrene	BQL	5.29	2.42	1	1/17/2009	
Isophorone	BQL	5.29	0.937	1	1/17/2009	
Naphthalene	BQL	5.29	0.963	1	1/17/2009	
Nitrobenzene	BQL	5.29	1.11	1	1/17/2009	
2-Nitrophenol	BQL	5.29	1.30	1	1/17/2009	
4-Nitrophenol	BQL	26.5	1.14	1	1/17/2009	
N-Nitrosodi-n-propylamine	BQL	5.29	1.59	1	1/17/2009	
Pentachlorophenol	BQL	26.5	1.50	1	1/17/2009	
Phenanthrene	BQL	5.29	0.471	1	1/17/2009	

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTRF-MW06G
Client Project ID: CTO 013
Lab Sample ID: G649-99-6F
Lab Project ID: G649-99

Analyzed By: DCS
Date Collected: 1/8/2009 15:35
Date Received: 1/9/2009
Date Extracted: 1/13/2009
Matrix: Water

Initial/Final Amt: 945 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	5.29	1.12	1	1/17/2009	
Pyrene	BQL	5.29	2.19	1	1/17/2009	
1,2,4-Trichlorobenzene	BQL	5.29	0.762	1	1/17/2009	
2,4,6-Trichlorophenol	BQL	5.29	0.979	1	1/17/2009	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	9.2	92		
2-Fluorophenol		10	8.4	84		
Nitrobenzene-d5		10	10.2	102		
Phenol-d6		10	9.1	91		
2,4,6-Tribromophenol		10	8.5	85		
4-Terphenyl-d14		10	9.3	93		

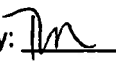
Comments:

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

Flags:

BQL = Below Quantitation Limits.

J = Detected below the quantitation limit.

Reviewed By: 

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS511-MW01
 Client Project ID: CTO 013
 Lab Sample ID: G649-99-7F
 Lab Project ID: G649-99

Analyzed By: DCS
 Date Collected: 1/9/2009 14:00
 Date Received: 1/9/2009
 Date Extracted: 1/13/2009
 Matrix: Water

Initial/Final Amt: 988 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	5.06	0.754	1	1/17/2009	
Acenaphthylene	BQL	5.06	0.754	1	1/17/2009	
Anthracene	BQL	5.06	0.886	1	1/17/2009	
Benzo[a]anthracene	BQL	5.06	0.688	1	1/17/2009	
Benzo[a]pyrene	BQL	5.06	0.643	1	1/17/2009	
Benzo[b]fluoranthene	BQL	5.06	0.724	1	1/17/2009	
Benzo[g,h,i]perylene	BQL	5.06	0.622	1	1/17/2009	
Benzo[k]fluoranthene	BQL	5.06	0.557	1	1/17/2009	
Bis(2-chloroethoxy)methane	BQL	5.06	1.04	1	1/17/2009	
Bis(2-chloroethyl)ether	BQL	5.06	1.05	1	1/17/2009	
Bis(2-chloroisopropyl)ether	BQL	5.06	0.987	1	1/17/2009	
Bis(2-ethylhexyl)phthalate	BQL	5.06	0.415	1	1/17/2009	
4-bromophenyl phenyl ether	BQL	5.06	0.789	1	1/17/2009	
Butylbenzylphthalate	BQL	5.06	0.450	1	1/17/2009	
2-Chloronaphthalene	BQL	5.06	0.876	1	1/17/2009	
2-Chlorophenol	BQL	5.06	1.18	1	1/17/2009	
4-Chloro-3-methylphenol	BQL	5.06	0.805	1	1/17/2009	
4-Chlorophenyl phenyl ether	BQL	5.06	3.29	1	1/17/2009	
Chrysene	BQL	5.06	0.562	1	1/17/2009	
Dibenzo[a,h]anthracene	BQL	5.06	0.445	1	1/17/2009	
Di-n-Butylphthalate	BQL	5.06	0.835	1	1/17/2009	
3,3'-Dichlorobenzidine	BQL	10.1	1.23	1	1/17/2009	
2,4-Dichlorophenol	BQL	5.06	1.13	1	1/17/2009	
Diethylphthalate	BQL	5.06	0.749	1	1/17/2009	
Dimethylphthalate	BQL	5.06	0.562	1	1/17/2009	
2,4-Dimethylphenol	BQL	5.06	1.64	1	1/17/2009	
Di-n-octylphthalate	BQL	5.06	0.587	1	1/17/2009	
4,6-Dinitro-2-methylphenol	BQL	25.3	0.557	1	1/17/2009	
2,4-Dinitrophenol	BQL	25.3	0.648	1	1/17/2009	
2,4-Dinitrotoluene	BQL	5.06	0.541	1	1/17/2009	
2,6-Dinitrotoluene	BQL	5.06	0.658	1	1/17/2009	
Diphenylamine *	BQL	5.06	0.577	1	1/17/2009	
Fluoranthene	BQL	5.06	0.714	1	1/17/2009	
Fluorene	BQL	5.06	0.734	1	1/17/2009	
Hexachlorobenzene	BQL	5.06	0.511	1	1/17/2009	
Hexachlorobutadiene	BQL	5.06	0.769	1	1/17/2009	
Hexachlorocyclopentadiene	BQL	10.1	10.1	1	1/17/2009	
Hexachloroethane	BQL	5.06	0.754	1	1/17/2009	
Indeno(1,2,3-c,d)pyrene	BQL	5.06	2.31	1	1/17/2009	
Isophorone	BQL	5.06	0.896	1	1/17/2009	
Naphthalene	BQL	5.06	0.921	1	1/17/2009	
Nitrobenzene	BQL	5.06	1.06	1	1/17/2009	
2-Nitrophenol	BQL	5.06	1.24	1	1/17/2009	
4-Nitrophenol	BQL	25.3	1.09	1	1/17/2009	
N-Nitrosodi-n-propylamine	BQL	5.06	1.52	1	1/17/2009	
Pentachlorophenol	BQL	25.3	1.43	1	1/17/2009	
Phenanthrene	BQL	5.06	0.450	1	1/17/2009	

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS511-MW01
Client Project ID: CTO 013
Lab Sample ID: G649-99-7F
Lab Project ID: G649-99

Analyzed By: DCS
Date Collected: 1/9/2009 14:00
Date Received: 1/9/2009
Date Extracted: 1/13/2009
Matrix: Water

Initial/Final Amt: 988 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	5.06	1.07	1	1/17/2009	
Pyrene	BQL	5.06	2.09	1	1/17/2009	
1,2,4-Trichlorobenzene	BQL	5.06	0.729	1	1/17/2009	
2,4,6-Trichlorophenol	BQL	5.06	0.936	1	1/17/2009	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	9.3	93		
2-Fluorophenol		10	8.7	87		
Nitrobenzene-d5		10	10.2	102		
Phenol-d6		10	9.2	92		
2,4,6-Tribromophenol		10	8.3	83		
4-Terphenyl-d14		10	9.9	99		

Comments:

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

Flags:

BQL = Below Quantitation Limits.

J = Detected below the quantitation limit.

Reviewed By: 

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS511-MW02
Client Project ID: CTO 013
Lab Sample ID: G649-99-8F
Lab Project ID: G649-99

Analyzed By: DCS
Date Collected: 1/9/2009 11:20
Date Received: 1/9/2009
Date Extracted: 1/13/2009
Matrix: Water

Initial/Final Amt: 973 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	5.14	0.766	1	1/17/2009	
Acenaphthylene	BQL	5.14	0.766	1	1/17/2009	
Anthracene	BQL	5.14	0.899	1	1/17/2009	
Benzo[a]anthracene	BQL	5.14	0.699	1	1/17/2009	
Benzo[a]pyrene	BQL	5.14	0.653	1	1/17/2009	
Benzo[b]fluoranthene	BQL	5.14	0.735	1	1/17/2009	
Benzo[g,h,i]perylene	BQL	5.14	0.632	1	1/17/2009	
Benzo[k]fluoranthene	BQL	5.14	0.565	1	1/17/2009	
Bis(2-chloroethoxy)methane	BQL	5.14	1.06	1	1/17/2009	
Bis(2-chloroethyl)ether	BQL	5.14	1.07	1	1/17/2009	
Bis(2-chloroisopropyl)ether	BQL	5.14	1.00	1	1/17/2009	
Bis(2-ethylhexyl)phthalate	BQL	5.14	0.421	1	1/17/2009	
4-bromophenyl phenyl ether	BQL	5.14	0.802	1	1/17/2009	
Butylbenzylphthalate	BQL	5.14	0.457	1	1/17/2009	
2-Chloronaphthalene	BQL	5.14	0.889	1	1/17/2009	
2-Chlorophenol	BQL	5.14	1.20	1	1/17/2009	
4-Chloro-3-methylphenol	BQL	5.14	0.817	1	1/17/2009	
4-Chlorophenyl phenyl ether	BQL	5.14	3.35	1	1/17/2009	
Chrysene	BQL	5.14	0.570	1	1/17/2009	
Dibenzo[a,h]anthracene	BQL	5.14	0.452	1	1/17/2009	
Di-n-Butylphthalate	BQL	5.14	0.848	1	1/17/2009	
3,3'-Dichlorobenzidine	BQL	10.3	1.25	1	1/17/2009	
2,4-Dichlorophenol	BQL	5.14	1.15	1	1/17/2009	
Diethylphthalate	BQL	5.14	0.761	1	1/17/2009	
Dimethylphthalate	BQL	5.14	0.570	1	1/17/2009	
2,4-Dimethylphenol	BQL	5.14	1.66	1	1/17/2009	
Di-n-octylphthalate	BQL	5.14	0.596	1	1/17/2009	
4,6-Dinitro-2-methylphenol	BQL	25.7	0.565	1	1/17/2009	
2,4-Dinitrophenol	BQL	25.7	0.658	1	1/17/2009	
2,4-Dinitrotoluene	BQL	5.14	0.550	1	1/17/2009	
2,6-Dinitrotoluene	BQL	5.14	0.668	1	1/17/2009	
Diphenylamine *	BQL	5.14	0.586	1	1/17/2009	
Fluoranthene	BQL	5.14	0.725	1	1/17/2009	
Fluorene	BQL	5.14	0.745	1	1/17/2009	
Hexachlorobenzene	BQL	5.14	0.519	1	1/17/2009	
Hexachlorobutadiene	BQL	5.14	0.781	1	1/17/2009	
Hexachlorocyclopentadiene	BQL	10.3	10.3	1	1/17/2009	
Hexachloroethane	BQL	5.14	0.766	1	1/17/2009	
Indeno(1,2,3-c,d)pyrene	BQL	5.14	2.35	1	1/17/2009	
Isophorone	BQL	5.14	0.910	1	1/17/2009	
Naphthalene	BQL	5.14	0.935	1	1/17/2009	
Nitrobenzene	BQL	5.14	1.08	1	1/17/2009	
2-Nitrophenol	BQL	5.14	1.26	1	1/17/2009	
4-Nitrophenol	BQL	25.7	1.11	1	1/17/2009	
N-Nitrosodi-n-propylamine	BQL	5.14	1.54	1	1/17/2009	
Pentachlorophenol	BQL	25.7	1.45	1	1/17/2009	
Phenanthrene	BQL	5.14	0.457	1	1/17/2009	

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS511-MW02
Client Project ID: CTO 013
Lab Sample ID: G649-99-8F
Lab Project ID: G649-99

Analyzed By: DCS
Date Collected: 1/9/2009 11:20
Date Received: 1/9/2009
Date Extracted: 1/13/2009
Matrix: Water

Initial/Final Amt: 973 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	5.14	1.09	1	1/17/2009	
Pyrene	BQL	5.14	2.12	1	1/17/2009	
1,2,4-Trichlorobenzene	BQL	5.14	0.740	1	1/17/2009	
2,4,6-Trichlorophenol	BQL	5.14	0.951	1	1/17/2009	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	9.6	96		
2-Fluorophenol		10	8.7	87		
Nitrobenzene-d5		10	10.4	104		
Phenol-d6		10	9.4	94		
2,4,6-Tribromophenol		10	8.6	86		
4-Terphenyl-d14		10	10.2	102		

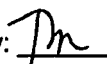
Comments:

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

Flags:

BQL = Below Quantitation Limits.

J = Detected below the quantitation limit.

Reviewed By: 

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS511-MW03
Client Project ID: CTO 013
Lab Sample ID: G649-99-9F
Lab Project ID: G649-99

Analyzed By: DCS
Date Collected: 1/9/2009 9:15
Date Received: 1/9/2009
Date Extracted: 1/13/2009
Matrix: Water

Initial/Final Amt: 953 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	5.25	0.782	1	1/17/2009	
Acenaphthylene	BQL	5.25	0.782	1	1/17/2009	
Anthracene	BQL	5.25	0.918	1	1/17/2009	
Benzo[a]anthracene	BQL	5.25	0.714	1	1/17/2009	
Benzo[a]pyrene	BQL	5.25	0.666	1	1/17/2009	
Benzo[b]fluoranthene	BQL	5.25	0.750	1	1/17/2009	
Benzo[g,h,i]perylene	BQL	5.25	0.645	1	1/17/2009	
Benzo[k]fluoranthene	BQL	5.25	0.577	1	1/17/2009	
Bis(2-chloroethoxy)methane	BQL	5.25	1.08	1	1/17/2009	
Bis(2-chloroethyl)ether	BQL	5.25	1.09	1	1/17/2009	
Bis(2-chloroisopropyl)ether	BQL	5.25	1.02	1	1/17/2009	
Bis(2-ethylhexyl)phthalate	BQL	5.25	0.430	1	1/17/2009	
4-bromophenyl phenyl ether	BQL	5.25	0.818	1	1/17/2009	
Butylbenzylphthalate	BQL	5.25	0.467	1	1/17/2009	
2-Chloronaphthalene	BQL	5.25	0.908	1	1/17/2009	
2-Chlorophenol	BQL	5.25	1.23	1	1/17/2009	
4-Chloro-3-methylphenol	BQL	5.25	0.834	1	1/17/2009	
4-Chlorophenyl phenyl ether	BQL	5.25	3.42	1	1/17/2009	
Chrysene	BQL	5.25	0.582	1	1/17/2009	
Dibenzo[a,h]anthracene	BQL	5.25	0.462	1	1/17/2009	
Di-n-Butylphthalate	BQL	5.25	0.866	1	1/17/2009	
3,3'-Dichlorobenzidine	BQL	10.5	1.28	1	1/17/2009	
2,4-Dichlorophenol	BQL	5.25	1.18	1	1/17/2009	
Diethylphthalate	BQL	5.25	0.776	1	1/17/2009	
Dimethylphthalate	BQL	5.25	0.582	1	1/17/2009	
2,4-Dimethylphenol	BQL	5.25	1.70	1	1/17/2009	
Di-n-octylphthalate	BQL	5.25	0.609	1	1/17/2009	
4,6-Dinitro-2-methylphenol	BQL	26.2	0.577	1	1/17/2009	
2,4-Dinitrophenol	BQL	26.2	0.672	1	1/17/2009	
2,4-Dinitrotoluene	BQL	5.25	0.561	1	1/17/2009	
2,6-Dinitrotoluene	BQL	5.25	0.682	1	1/17/2009	
Diphenylamine *	BQL	5.25	0.598	1	1/17/2009	
Fluoranthene	BQL	5.25	0.740	1	1/17/2009	
Fluorene	BQL	5.25	0.761	1	1/17/2009	
Hexachlorobenzene	BQL	5.25	0.530	1	1/17/2009	
Hexachlorobutadiene	BQL	5.25	0.797	1	1/17/2009	
Hexachlorocyclopentadiene	BQL	10.5	10.5	1	1/17/2009	
Hexachloroethane	BQL	5.25	0.782	1	1/17/2009	
Indeno(1,2,3-c,d)pyrene	BQL	5.25	2.40	1	1/17/2009	
Isophorone	BQL	5.25	0.929	1	1/17/2009	
Naphthalene	BQL	5.25	0.955	1	1/17/2009	
Nitrobenzene	BQL	5.25	1.10	1	1/17/2009	
2-Nitrophenol	BQL	5.25	1.29	1	1/17/2009	
4-Nitrophenol	BQL	26.2	1.13	1	1/17/2009	
N-Nitrosodi-n-propylamine	BQL	5.25	1.57	1	1/17/2009	
Pentachlorophenol	BQL	26.2	1.48	1	1/17/2009	
Phenanthrene	BQL	5.25	0.467	1	1/17/2009	

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS511-MW03
Client Project ID: CTO 013
Lab Sample ID: G649-99-9F
Lab Project ID: G649-99

Analyzed By: DCS
Date Collected: 1/9/2009 9:15
Date Received: 1/9/2009
Date Extracted: 1/13/2009
Matrix: Water

Initial/Final Amt: 953 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	5.25	1.11	1	1/17/2009	
Pyrene	BQL	5.25	2.17	1	1/17/2009	
1,2,4-Trichlorobenzene	BQL	5.25	0.756	1	1/17/2009	
2,4,6-Trichlorophenol	BQL	5.25	0.971	1	1/17/2009	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	9.2	92		
2-Fluorophenol		10	8.2	82		
Nitrobenzene-d5		10	9.9	99		
Phenol-d6		10	8.8	88		
2,4,6-Tribromophenol		10	7.7	77		
4-Terphenyl-d14		10	9.8	98		

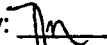
Comments:

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

Flags:

BQL = Below Quantitation Limits.

J = Detected below the quantitation limit.

Reviewed By: 

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS511-MW04
 Client Project ID: CTO 013
 Lab Sample ID: G649-99-10F
 Lab Project ID: G649-99

Analyzed By: DCS
 Date Collected: 1/9/2009 13:05
 Date Received: 1/9/2009
 Date Extracted: 1/13/2009
 Matrix: Water

Initial/Final Amt: 939 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	5.32	0.793	1	1/17/2009	
Acenaphthylene	BQL	5.32	0.793	1	1/17/2009	
Anthracene	BQL	5.32	0.932	1	1/17/2009	
Benzo[a]anthracene	BQL	5.32	0.724	1	1/17/2009	
Benzo[a]pyrene	BQL	5.32	0.676	1	1/17/2009	
Benzo[b]fluoranthene	BQL	5.32	0.761	1	1/17/2009	
Benzo[g,h,i]perylene	BQL	5.32	0.655	1	1/17/2009	
Benzo[k]fluoranthene	BQL	5.32	0.586	1	1/17/2009	
Bis(2-chloroethoxy)methane	BQL	5.32	1.10	1	1/17/2009	
Bis(2-chloroethyl)ether	BQL	5.32	1.11	1	1/17/2009	
Bis(2-chloroisopropyl)ether	BQL	5.32	1.04	1	1/17/2009	
Bis(2-ethylhexyl)phthalate	BQL	5.32	0.437	1	1/17/2009	
4-bromophenyl phenyl ether	BQL	5.32	0.831	1	1/17/2009	
Butylbenzylphthalate	BQL	5.32	0.474	1	1/17/2009	
2-Chloronaphthalene	BQL	5.32	0.921	1	1/17/2009	
2-Chlorophenol	BQL	5.32	1.25	1	1/17/2009	
4-Chloro-3-methylphenol	BQL	5.32	0.847	1	1/17/2009	
4-Chlorophenyl phenyl ether	BQL	5.32	3.47	1	1/17/2009	
Chrysene	BQL	5.32	0.591	1	1/17/2009	
Dibenzo[a,h]anthracene	BQL	5.32	0.469	1	1/17/2009	
Di-n-Butylphthalate	BQL	5.32	0.879	1	1/17/2009	
3,3'-Dichlorobenzidine	BQL	10.6	1.30	1	1/17/2009	
2,4-Dichlorophenol	BQL	5.32	1.19	1	1/17/2009	
Diethylphthalate	BQL	5.32	0.788	1	1/17/2009	
Dimethylphthalate	BQL	5.32	0.591	1	1/17/2009	
2,4-Dimethylphenol	BQL	5.32	1.73	1	1/17/2009	
Di-n-octylphthalate	BQL	5.32	0.618	1	1/17/2009	
4,6-Dinitro-2-methylphenol	BQL	26.6	0.586	1	1/17/2009	
2,4-Dinitrophenol	BQL	26.6	0.682	1	1/17/2009	
2,4-Dinitrotoluene	BQL	5.32	0.570	1	1/17/2009	
2,6-Dinitrotoluene	BQL	5.32	0.692	1	1/17/2009	
Diphenylamine *	BQL	5.32	0.607	1	1/17/2009	
Fluoranthene	BQL	5.32	0.751	1	1/17/2009	
Fluorene	BQL	5.32	0.772	1	1/17/2009	
Hexachlorobenzene	BQL	5.32	0.538	1	1/17/2009	
Hexachlorobutadiene	BQL	5.32	0.809	1	1/17/2009	
Hexachlorocyclopentadiene	BQL	10.6	10.6	1	1/17/2009	
Hexachloroethane	BQL	5.32	0.793	1	1/17/2009	
Indeno(1,2,3-c,d)pyrene	BQL	5.32	2.43	1	1/17/2009	
Isophorone	BQL	5.32	0.942	1	1/17/2009	
Naphthalene	BQL	5.32	0.969	1	1/17/2009	
Nitrobenzene	BQL	5.32	1.12	1	1/17/2009	
2-Nitrophenol	BQL	5.32	1.31	1	1/17/2009	
4-Nitrophenol	BQL	26.6	1.15	1	1/17/2009	
N-Nitrosodi-n-propylamine	BQL	5.32	1.60	1	1/17/2009	
Pentachlorophenol	BQL	26.6	1.51	1	1/17/2009	
Phenanthrene	BQL	5.32	0.474	1	1/17/2009	

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS511-MW04
Client Project ID: CTO 013
Lab Sample ID: G649-99-10F
Lab Project ID: G649-99

Analyzed By: DCS
Date Collected: 1/9/2009 13:05
Date Received: 1/9/2009
Date Extracted: 1/13/2009
Matrix: Water

Initial/Final Amt: 939 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	5.32	1.13	1	1/17/2009	
Pyrene	BQL	5.32	2.20	1	1/17/2009	
1,2,4-Trichlorobenzene	BQL	5.32	0.767	1	1/17/2009	
2,4,6-Trichlorophenol	BQL	5.32	0.985	1	1/17/2009	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	9.2	92		
2-Fluorophenol		10	8.7	87		
Nitrobenzene-d5		10	10.4	104		
Phenol-d6		10	9.5	95		
2,4,6-Tribromophenol		10	7.6	76		
4-Terphenyl-d14		10	9.8	98		

Comments:

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

Flags:

BQL = Below Quantitation Limits.

J = Detected below the quantitation limit.

Reviewed By: DM

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS511-MW05
 Client Project ID: CTO 013
 Lab Sample ID: G649-99-11F
 Lab Project ID: G649-99

Analyzed By: DCS
 Date Collected: 1/9/2009 14:18
 Date Received: 1/9/2009
 Date Extracted: 1/13/2009
 Matrix: Water

Initial/Final Amt: 989 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	5.06	0.753	1	1/17/2009	
Acenaphthylene	BQL	5.06	0.753	1	1/17/2009	
Anthracene	BQL	5.06	0.885	1	1/17/2009	
Benzo[a]anthracene	BQL	5.06	0.688	1	1/17/2009	
Benzo[a]pyrene	BQL	5.06	0.642	1	1/17/2009	
Benzo[b]fluoranthene	BQL	5.06	0.723	1	1/17/2009	
Benzo[g,h,i]perylene	BQL	5.06	0.622	1	1/17/2009	
Benzo[k]fluoranthene	BQL	5.06	0.556	1	1/17/2009	
Bis(2-chloroethoxy)methane	BQL	5.06	1.04	1	1/17/2009	
Bis(2-chloroethyl)ether	BQL	5.06	1.05	1	1/17/2009	
Bis(2-chloroisopropyl)ether	BQL	5.06	0.986	1	1/17/2009	
Bis(2-ethylhexyl)phthalate	BQL	5.06	0.415	1	1/17/2009	
4-bromophenyl phenyl ether	BQL	5.06	0.789	1	1/17/2009	
Butylbenzylphthalate	BQL	5.06	0.450	1	1/17/2009	
2-Chloronaphthalene	BQL	5.06	0.875	1	1/17/2009	
2-Chlorophenol	BQL	5.06	1.18	1	1/17/2009	
4-Chloro-3-methylphenol	BQL	5.06	0.804	1	1/17/2009	
4-Chlorophenyl phenyl ether	BQL	5.06	3.29	1	1/17/2009	
Chrysene	BQL	5.06	0.561	1	1/17/2009	
Dibenzo[a,h]anthracene	BQL	5.06	0.445	1	1/17/2009	
Di-n-Butylphthalate	BQL	5.06	0.834	1	1/17/2009	
3,3'-Dichlorobenzidine	BQL	10.1	1.23	1	1/17/2009	
2,4-Dichlorophenol	BQL	5.06	1.13	1	1/17/2009	
Diethylphthalate	BQL	5.06	0.748	1	1/17/2009	
Dimethylphthalate	BQL	5.06	0.561	1	1/17/2009	
2,4-Dimethylphenol	BQL	5.06	1.64	1	1/17/2009	
Di-n-octylphthalate	BQL	5.06	0.586	1	1/17/2009	
4,6-Dinitro-2-methylphenol	BQL	25.3	0.556	1	1/17/2009	
2,4-Dinitrophenol	BQL	25.3	0.647	1	1/17/2009	
2,4-Dinitrotoluene	BQL	5.06	0.541	1	1/17/2009	
2,6-Dinitrotoluene	BQL	5.06	0.657	1	1/17/2009	
Diphenylamine *	BQL	5.06	0.576	1	1/17/2009	
Fluoranthene	BQL	5.06	0.713	1	1/17/2009	
Fluorene	BQL	5.06	0.733	1	1/17/2009	
Hexachlorobenzene	BQL	5.06	0.511	1	1/17/2009	
Hexachlorobutadiene	BQL	5.06	0.768	1	1/17/2009	
Hexachlorocyclopentadiene	BQL	10.1	10.1	1	1/17/2009	
Hexachloroethane	BQL	5.06	0.753	1	1/17/2009	
Indeno(1,2,3-c,d)pyrene	BQL	5.06	2.31	1	1/17/2009	
Isophorone	BQL	5.06	0.895	1	1/17/2009	
Naphthalene	BQL	5.06	0.920	1	1/17/2009	
Nitrobenzene	BQL	5.06	1.06	1	1/17/2009	
2-Nitrophenol	BQL	5.06	1.24	1	1/17/2009	
4-Nitrophenol	BQL	25.3	1.09	1	1/17/2009	
N-Nitrosodi-n-propylamine	BQL	5.06	1.52	1	1/17/2009	
Pentachlorophenol	BQL	25.3	1.43	1	1/17/2009	
Phenanthrene	BQL	5.06	0.450	1	1/17/2009	

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS511-MW05
Client Project ID: CTO 013
Lab Sample ID: G649-99-11F
Lab Project ID: G649-99

Analyzed By: DCS
Date Collected: 1/9/2009 14:18
Date Received: 1/9/2009
Date Extracted: 1/13/2009
Matrix: Water

Initial/Final Amt: 989 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	5.06	1.07	1	1/17/2009	
Pyrene	BQL	5.06	2.09	1	1/17/2009	
1,2,4-Trichlorobenzene	BQL	5.06	0.728	1	1/17/2009	
2,4,6-Trichlorophenol	BQL	5.06	0.935	1	1/17/2009	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	9.9	99		
2-Fluorophenol		10	9.8	98		
Nitrobenzene-d5		10	11	110		
Phenol-d6		10	10.1	101		
2,4,6-Tribromophenol		10	8.3	83		
4-Terphenyl-d14		10	10.5	105		

Comments:

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

Flags:

BQL = Below Quantitation Limits.

J = Detected below the quantitation limit.

Reviewed By: TM

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS511-MW06
 Client Project ID: CTO 013
 Lab Sample ID: G649-99-12F
 Lab Project ID: G649-99

Analyzed By: DCS
 Date Collected: 1/9/2009 10:45
 Date Received: 1/9/2009
 Date Extracted: 1/13/2009
 Matrix: Water

Initial/Final Amt: 969 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	5.16	0.769	1	1/17/2009	
Acenaphthylene	BQL	5.16	0.769	1	1/17/2009	
Anthracene	BQL	5.16	0.903	1	1/17/2009	
Benzo[a]anthracene	BQL	5.16	0.702	1	1/17/2009	
Benzo[a]pyrene	BQL	5.16	0.655	1	1/17/2009	
Benzo[b]fluoranthene	BQL	5.16	0.738	1	1/17/2009	
Benzo[g,h,i]perylene	BQL	5.16	0.635	1	1/17/2009	
Benzo[k]fluoranthene	BQL	5.16	0.568	1	1/17/2009	
Bis(2-chloroethoxy)methane	BQL	5.16	1.06	1	1/17/2009	
Bis(2-chloroethyl)ether	BQL	5.16	1.07	1	1/17/2009	
Bis(2-chloroisopropyl)ether	BQL	5.16	1.01	1	1/17/2009	
Bis(2-ethylhexyl)phthalate	0.516	5.16	0.423	1	1/17/2009	J
4-bromophenyl phenyl ether	BQL	5.16	0.805	1	1/17/2009	
Butylbenzylphthalate	BQL	5.16	0.459	1	1/17/2009	
2-Chloronaphthalene	BQL	5.16	0.893	1	1/17/2009	
2-Chlorophenol	BQL	5.16	1.21	1	1/17/2009	
4-Chloro-3-methylphenol	BQL	5.16	0.820	1	1/17/2009	
4-Chlorophenyl phenyl ether	BQL	5.16	3.36	1	1/17/2009	
Chrysene	BQL	5.16	0.573	1	1/17/2009	
Dibenzo[a,h]anthracene	BQL	5.16	0.454	1	1/17/2009	
Di-n-Butylphthalate	BQL	5.16	0.851	1	1/17/2009	
3,3'-Dichlorobenzidine	BQL	10.3	1.26	1	1/17/2009	
2,4-Dichlorophenol	BQL	5.16	1.16	1	1/17/2009	
Diethylphthalate	BQL	5.16	0.764	1	1/17/2009	
Dimethylphthalate	BQL	5.16	0.573	1	1/17/2009	
2,4-Dimethylphenol	BQL	5.16	1.67	1	1/17/2009	
Di-n-octylphthalate	BQL	5.16	0.599	1	1/17/2009	
4,6-Dinitro-2-methylphenol	BQL	25.8	0.568	1	1/17/2009	
2,4-Dinitrophenol	BQL	25.8	0.660	1	1/17/2009	
2,4-Dinitrotoluene	BQL	5.16	0.552	1	1/17/2009	
2,6-Dinitrotoluene	BQL	5.16	0.671	1	1/17/2009	
Diphenylamine *	BQL	5.16	0.588	1	1/17/2009	
Fluoranthene	BQL	5.16	0.728	1	1/17/2009	
Fluorene	BQL	5.16	0.748	1	1/17/2009	
Hexachlorobenzene	BQL	5.16	0.521	1	1/17/2009	
Hexachlorobutadiene	BQL	5.16	0.784	1	1/17/2009	
Hexachlorocyclopentadiene	BQL	10.3	10.3	1	1/17/2009	
Hexachloroethane	BQL	5.16	0.769	1	1/17/2009	
Indeno(1,2,3-c,d)pyrene	BQL	5.16	2.36	1	1/17/2009	
Isophorone	BQL	5.16	0.913	1	1/17/2009	
Naphthalene	BQL	5.16	0.939	1	1/17/2009	
Nitrobenzene	BQL	5.16	1.08	1	1/17/2009	
2-Nitrophenol	BQL	5.16	1.27	1	1/17/2009	
4-Nitrophenol	BQL	25.8	1.11	1	1/17/2009	
N-Nitrosodi-n-propylamine	BQL	5.16	1.55	1	1/17/2009	
Pentachlorophenol	BQL	25.8	1.46	1	1/17/2009	
Phenanthrene	BQL	5.16	0.459	1	1/17/2009	

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS511-MW06
Client Project ID: CTO 013
Lab Sample ID: G649-99-12F
Lab Project ID: G649-99

Analyzed By: DCS
Date Collected: 1/9/2009 10:45
Date Received: 1/9/2009
Date Extracted: 1/13/2009
Matrix: Water

Initial/Final Amt: 969 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	5.16	1.09	1	1/17/2009	
Pyrene	BQL	5.16	2.13	1	1/17/2009	
1,2,4-Trichlorobenzene	BQL	5.16	0.743	1	1/17/2009	
2,4,6-Trichlorophenol	BQL	5.16	0.955	1	1/17/2009	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	9	90		
2-Fluorophenol		10	7.6	76		
Nitrobenzene-d5		10	9.8	98		
Phenol-d6		10	8.6	86		
2,4,6-Tribromophenol		10	7	70		
4-Terphenyl-d14		10	9.5	94		

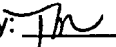
Comments:

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

Flags:

BQL = Below Quantitation Limits.

J = Detected below the quantitation limit.

Reviewed By: 

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS511-MW07
 Client Project ID: CTO 013
 Lab Sample ID: G649-99-13F
 Lab Project ID: G649-99

Analyzed By: DCS
 Date Collected: 1/9/2009 10:30
 Date Received: 1/9/2009
 Date Extracted: 1/13/2009
 Matrix: Water

Initial/Final Amt: 941 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	5.31	0.792	1	1/18/2009	
Acenaphthylene	BQL	5.31	0.792	1	1/18/2009	
Anthracene	BQL	5.31	0.930	1	1/18/2009	
Benzo[a]anthracene	BQL	5.31	0.723	1	1/18/2009	
Benzo[a]pyrene	BQL	5.31	0.675	1	1/18/2009	
Benzo[b]fluoranthene	BQL	5.31	0.760	1	1/18/2009	
Benzo[g,h,i]perylene	BQL	5.31	0.654	1	1/18/2009	
Benzo[k]fluoranthene	BQL	5.31	0.584	1	1/18/2009	
Bis(2-chloroethoxy)methane	BQL	5.31	1.09	1	1/18/2009	
Bis(2-chloroethyl)ether	BQL	5.31	1.11	1	1/18/2009	
Bis(2-chloroisopropyl)ether	BQL	5.31	1.04	1	1/18/2009	
Bis(2-ethylhexyl)phthalate	BQL	5.31	0.436	1	1/18/2009	
4-bromophenyl phenyl ether	BQL	5.31	0.829	1	1/18/2009	
Butylbenzylphthalate	BQL	5.31	0.473	1	1/18/2009	
2-Chloronaphthalene	BQL	5.31	0.919	1	1/18/2009	
2-Chlorophenol	BQL	5.31	1.24	1	1/18/2009	
4-Chloro-3-methylphenol	BQL	5.31	0.845	1	1/18/2009	
4-Chlorophenyl phenyl ether	BQL	5.31	3.46	1	1/18/2009	
Chrysene	BQL	5.31	0.590	1	1/18/2009	
Dibenzo[a,h]anthracene	BQL	5.31	0.468	1	1/18/2009	
Di-n-Butylphthalate	BQL	5.31	0.877	1	1/18/2009	
3,3'-Dichlorobenzidine	BQL	10.6	1.30	1	1/18/2009	
2,4-Dichlorophenol	BQL	5.31	1.19	1	1/18/2009	
Diethylphthalate	BQL	5.31	0.786	1	1/18/2009	
Dimethylphthalate	BQL	5.31	0.590	1	1/18/2009	
2,4-Dimethylphenol	BQL	5.31	1.72	1	1/18/2009	
Di-n-octylphthalate	BQL	5.31	0.616	1	1/18/2009	
4,6-Dinitro-2-methylphenol	BQL	26.6	0.584	1	1/18/2009	
2,4-Dinitrophenol	BQL	26.6	0.680	1	1/18/2009	
2,4-Dinitrotoluene	BQL	5.31	0.569	1	1/18/2009	
2,6-Dinitrotoluene	BQL	5.31	0.691	1	1/18/2009	
Diphenylamine *	BQL	5.31	0.606	1	1/18/2009	
Fluoranthene	BQL	5.31	0.749	1	1/18/2009	
Fluorene	BQL	5.31	0.770	1	1/18/2009	
Hexachlorobenzene	BQL	5.31	0.537	1	1/18/2009	
Hexachlorobutadiene	BQL	5.31	0.808	1	1/18/2009	
Hexachlorocyclopentadiene	BQL	10.6	10.6	1	1/18/2009	
Hexachloroethane	BQL	5.31	0.792	1	1/18/2009	
Indeno(1,2,3-c,d)pyrene	BQL	5.31	2.43	1	1/18/2009	
Isophorone	BQL	5.31	0.940	1	1/18/2009	
Naphthalene	BQL	5.31	0.967	1	1/18/2009	
Nitrobenzene	BQL	5.31	1.12	1	1/18/2009	
2-Nitrophenol	BQL	5.31	1.31	1	1/18/2009	
4-Nitrophenol	BQL	26.6	1.15	1	1/18/2009	
N-Nitrosodi-n-propylamine	BQL	5.31	1.59	1	1/18/2009	
Pentachlorophenol	BQL	26.6	1.50	1	1/18/2009	
Phenanthrene	BQL	5.31	0.473	1	1/18/2009	

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS511-MW07
Client Project ID: CTO 013
Lab Sample ID: G649-99-13F
Lab Project ID: G649-99

Analyzed By: DCS
Date Collected: 1/9/2009 10:30
Date Received: 1/9/2009
Date Extracted: 1/13/2009
Matrix: Water

Initial/Final Amt: 941 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	5.31	1.13	1	1/18/2009	
Pyrene	BQL	5.31	2.19	1	1/18/2009	
1,2,4-Trichlorobenzene	BQL	5.31	0.765	1	1/18/2009	
2,4,6-Trichlorophenol	BQL	5.31	0.983	1	1/18/2009	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	9	90		
2-Fluorophenol		10	8	80		
Nitrobenzene-d5		10	9.8	98		
Phenol-d6		10	8.6	86		
2,4,6-Tribromophenol		10	8.2	82		
4-Terphenyl-d14		10	9.5	95		

Comments:

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

Flags:

BQL = Below Quantitation Limits.

J = Detected below the quantitation limit.

Reviewed By: 

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS511-MW08
 Client Project ID: CTO 013
 Lab Sample ID: G649-99-14F
 Lab Project ID: G649-99

Analyzed By: DCS
 Date Collected: 1/9/2009 12:25
 Date Received: 1/9/2009
 Date Extracted: 1/13/2009
 Matrix: Water

Initial/Final Amt: 931 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	5.37	0.800	1	1/18/2009	
Acenaphthylene	BQL	5.37	0.800	1	1/18/2009	
Anthracene	BQL	5.37	0.940	1	1/18/2009	
Benzo[a]anthracene	BQL	5.37	0.730	1	1/18/2009	
Benzo[a]pyrene	BQL	5.37	0.682	1	1/18/2009	
Benzo[b]fluoranthene	BQL	5.37	0.768	1	1/18/2009	
Benzo[g,h,i]perylene	BQL	5.37	0.661	1	1/18/2009	
Benzo[k]fluoranthene	BQL	5.37	0.591	1	1/18/2009	
Bis(2-chloroethoxy)methane	BQL	5.37	1.11	1	1/18/2009	
Bis(2-chloroethyl)ether	BQL	5.37	1.12	1	1/18/2009	
Bis(2-chloroisopropyl)ether	BQL	5.37	1.05	1	1/18/2009	
Bis(2-ethylhexyl)phthalate	0.644	5.37	0.440	1	1/18/2009	J
4-bromophenyl phenyl ether	BQL	5.37	0.838	1	1/18/2009	
Butylbenzylphthalate	BQL	5.37	0.478	1	1/18/2009	
2-Chloronaphthalene	BQL	5.37	0.929	1	1/18/2009	
2-Chlorophenol	BQL	5.37	1.26	1	1/18/2009	
4-Chloro-3-methylphenol	BQL	5.37	0.854	1	1/18/2009	
4-Chlorophenyl phenyl ether	BQL	5.37	3.50	1	1/18/2009	
Chrysene	BQL	5.37	0.596	1	1/18/2009	
Dibenzo[a,h]anthracene	BQL	5.37	0.473	1	1/18/2009	
Di-n-Butylphthalate	BQL	5.37	0.886	1	1/18/2009	
3,3'-Dichlorobenzidine	BQL	10.7	1.31	1	1/18/2009	
2,4-Dichlorophenol	BQL	5.37	1.20	1	1/18/2009	
Diethylphthalate	BQL	5.37	0.795	1	1/18/2009	
Dimethylphthalate	BQL	5.37	0.596	1	1/18/2009	
2,4-Dimethylphenol	BQL	5.37	1.74	1	1/18/2009	
Di-n-octylphthalate	BQL	5.37	0.623	1	1/18/2009	
4,6-Dinitro-2-methylphenol	BQL	26.9	0.591	1	1/18/2009	
2,4-Dinitrophenol	BQL	26.9	0.687	1	1/18/2009	
2,4-Dinitrotoluene	BQL	5.37	0.575	1	1/18/2009	
2,6-Dinitrotoluene	BQL	5.37	0.698	1	1/18/2009	
Diphenylamine *	BQL	5.37	0.612	1	1/18/2009	
Fluoranthene	BQL	5.37	0.757	1	1/18/2009	
Fluorene	BQL	5.37	0.779	1	1/18/2009	
Hexachlorobenzene	BQL	5.37	0.542	1	1/18/2009	
Hexachlorobutadiene	BQL	5.37	0.816	1	1/18/2009	
Hexachlorocyclopentadiene	BQL	10.7	10.7	1	1/18/2009	
Hexachloroethane	BQL	5.37	0.800	1	1/18/2009	
Indeno(1,2,3-c,d)pyrene	BQL	5.37	2.45	1	1/18/2009	
Isophorone	BQL	5.37	0.951	1	1/18/2009	
Naphthalene	BQL	5.37	0.977	1	1/18/2009	
Nitrobenzene	BQL	5.37	1.13	1	1/18/2009	
2-Nitrophenol	BQL	5.37	1.32	1	1/18/2009	
4-Nitrophenol	BQL	26.9	1.16	1	1/18/2009	
N-Nitrosodi-n-propylamine	BQL	5.37	1.61	1	1/18/2009	
Pentachlorophenol	BQL	26.9	1.52	1	1/18/2009	
Phenanthrene	BQL	5.37	0.478	1	1/18/2009	

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS511-MW08
Client Project ID: CTO 013
Lab Sample ID: G649-99-14F
Lab Project ID: G649-99

Analyzed By: DCS
Date Collected: 1/9/2009 12:25
Date Received: 1/9/2009
Date Extracted: 1/13/2009
Matrix: Water

Initial/Final Amt: 931 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	5.37	1.14	1	1/18/2009	
Pyrene	BQL	5.37	2.22	1	1/18/2009	
1,2,4-Trichlorobenzene	BQL	5.37	0.773	1	1/18/2009	
2,4,6-Trichlorophenol	BQL	5.37	0.994	1	1/18/2009	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	9.1	91		
2-Fluorophenol		10	8.3	83		
Nitrobenzene-d5		10	9.7	97		
Phenol-d6		10	8.8	88		
2,4,6-Tribromophenol		10	8.1	81		
4-Terphenyl-d14		10	9.5	95		

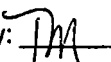
Comments:

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

Flags:

BQL = Below Quantitation Limits.

J = Detected below the quantitation limit.

Reviewed By: 

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS527-MW10
 Client Project ID: CTO 013
 Lab Sample ID: G649-99-15F
 Lab Project ID: G649-99

Analyzed By: DCS
 Date Collected: 1/9/2009 14:10
 Date Received: 1/9/2009
 Date Extracted: 1/13/2009
 Matrix: Water

Initial/Final Amt: 921 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	5.43	0.809	1	1/18/2009	
Acenaphthylene	BQL	5.43	0.809	1	1/18/2009	
Anthracene	BQL	5.43	0.950	1	1/18/2009	
Benzo[a]anthracene	BQL	5.43	0.738	1	1/18/2009	
Benzo[a]pyrene	BQL	5.43	0.689	1	1/18/2009	
Benzo[b]fluoranthene	BQL	5.43	0.776	1	1/18/2009	
Benzo[g,h,i]perylene	BQL	5.43	0.668	1	1/18/2009	
Benzo[k]fluoranthene	BQL	5.43	0.597	1	1/18/2009	
Bis(2-chloroethoxy)methane	BQL	5.43	1.12	1	1/18/2009	
Bis(2-chloroethyl)ether	BQL	5.43	1.13	1	1/18/2009	
Bis(2-chloroisopropyl)ether	BQL	5.43	1.06	1	1/18/2009	
Bis(2-ethylhexyl)phthalate	BQL	5.43	0.445	1	1/18/2009	
4-bromophenyl phenyl ether	BQL	5.43	0.847	1	1/18/2009	
Butylbenzylphthalate	BQL	5.43	0.483	1	1/18/2009	
2-Chloronaphthalene	BQL	5.43	0.939	1	1/18/2009	
2-Chlorophenol	BQL	5.43	1.27	1	1/18/2009	
4-Chloro-3-methylphenol	BQL	5.43	0.863	1	1/18/2009	
4-Chlorophenyl phenyl ether	BQL	5.43	3.53	1	1/18/2009	
Chrysene	BQL	5.43	0.603	1	1/18/2009	
Dibenzo[a,h]anthracene	BQL	5.43	0.478	1	1/18/2009	
Di-n-Butylphthalate	BQL	5.43	0.896	1	1/18/2009	
3,3'-Dichlorobenzidine	BQL	10.9	1.32	1	1/18/2009	
2,4-Dichlorophenol	BQL	5.43	1.22	1	1/18/2009	
Diethylphthalate	BQL	5.43	0.803	1	1/18/2009	
Dimethylphthalate	BQL	5.43	0.603	1	1/18/2009	
2,4-Dimethylphenol	BQL	5.43	1.76	1	1/18/2009	
Di-n-octylphthalate	BQL	5.43	0.630	1	1/18/2009	
4,6-Dinitro-2-methylphenol	BQL	27.1	0.597	1	1/18/2009	
2,4-Dinitrophenol	BQL	27.1	0.695	1	1/18/2009	
2,4-Dinitrotoluene	BQL	5.43	0.581	1	1/18/2009	
2,6-Dinitrotoluene	BQL	5.43	0.706	1	1/18/2009	
Diphenylamine *	BQL	5.43	0.619	1	1/18/2009	
Fluoranthene	BQL	5.43	0.765	1	1/18/2009	
Fluorene	BQL	5.43	0.787	1	1/18/2009	
Hexachlorobenzene	BQL	5.43	0.548	1	1/18/2009	
Hexachlorobutadiene	BQL	5.43	0.825	1	1/18/2009	
Hexachlorocyclopentadiene	BQL	10.9	10.9	1	1/18/2009	
Hexachloroethane	BQL	5.43	0.809	1	1/18/2009	
Indeno(1,2,3-c,d)pyrene	BQL	5.43	2.48	1	1/18/2009	
Isophorone	BQL	5.43	0.961	1	1/18/2009	
Naphthalene	144	5.43	0.988	1	1/18/2009	
Nitrobenzene	BQL	5.43	1.14	1	1/18/2009	
2-Nitrophenol	BQL	5.43	1.34	1	1/18/2009	
4-Nitrophenol	BQL	27.1	1.17	1	1/18/2009	
N-Nitrosodi-n-propylamine	BQL	5.43	1.63	1	1/18/2009	
Pentachlorophenol	BQL	27.1	1.54	1	1/18/2009	
Phenanthrene	BQL	5.43	0.483	1	1/18/2009	

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS527-MW10
Client Project ID: CTO 013
Lab Sample ID: G649-99-15F
Lab Project ID: G649-99

Analyzed By: DCS
Date Collected: 1/9/2009 14:10
Date Received: 1/9/2009
Date Extracted: 1/13/2009
Matrix: Water

Initial/Final Amt: 921 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	5.43	1.15	1	1/18/2009	
Pyrene	BQL	5.43	2.24	1	1/18/2009	
1,2,4-Trichlorobenzene	BQL	5.43	0.782	1	1/18/2009	
2,4,6-Trichlorophenol	BQL	5.43	1.00	1	1/18/2009	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	8.9	88		
2-Fluorophenol		10	7.8	78		
Nitrobenzene-d5		10	9.4	94		
Phenol-d6		10	8.1	81		
2,4,6-Tribromophenol		10	8.3	83		
4-Terphenyl-d14		10	8	80		

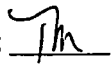
Comments:

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

Flags:

BQL = Below Quantitation Limits.

J = Detected below the quantitation limit.

Reviewed By: 

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS527-MW12
 Client Project ID: CTO 013
 Lab Sample ID: G649-99-16F
 Lab Project ID: G649-99

Analyzed By: DCS
 Date Collected: 1/9/2009 11:10
 Date Received: 1/9/2009
 Date Extracted: 1/13/2009
 Matrix: Water

Initial/Final Amt: 938 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	5.33	0.794	1	1/18/2009	
Acenaphthylene	BQL	5.33	0.794	1	1/18/2009	
Anthracene	BQL	5.33	0.933	1	1/18/2009	
Benzo[a]anthracene	BQL	5.33	0.725	1	1/18/2009	
Benzo[a]pyrene	BQL	5.33	0.677	1	1/18/2009	
Benzo[b]fluoranthene	BQL	5.33	0.762	1	1/18/2009	
Benzo[g,h,i]perylene	BQL	5.33	0.656	1	1/18/2009	
Benzo[k]fluoranthene	BQL	5.33	0.586	1	1/18/2009	
Bis(2-chloroethoxy)methane	BQL	5.33	1.10	1	1/18/2009	
Bis(2-chloroethyl)ether	BQL	5.33	1.11	1	1/18/2009	
Bis(2-chloroisopropyl)ether	BQL	5.33	1.04	1	1/18/2009	
Bis(2-ethylhexyl)phthalate	BQL	5.33	0.437	1	1/18/2009	
4-bromophenyl phenyl ether	BQL	5.33	0.832	1	1/18/2009	
Butylbenzylphthalate	BQL	5.33	0.474	1	1/18/2009	
2-Chloronaphthalene	BQL	5.33	0.922	1	1/18/2009	
2-Chlorophenol	BQL	5.33	1.25	1	1/18/2009	
4-Chloro-3-methylphenol	BQL	5.33	0.848	1	1/18/2009	
4-Chlorophenyl phenyl ether	BQL	5.33	3.47	1	1/18/2009	
Chrysene	BQL	5.33	0.592	1	1/18/2009	
Dibenzo[a,h]anthracene	BQL	5.33	0.469	1	1/18/2009	
Di-n-Butylphthalate	BQL	5.33	0.880	1	1/18/2009	
3,3'-Dichlorobenzidine	BQL	10.7	1.30	1	1/18/2009	
2,4-Dichlorophenol	BQL	5.33	1.19	1	1/18/2009	
Diethylphthalate	BQL	5.33	0.789	1	1/18/2009	
Dimethylphthalate	BQL	5.33	0.592	1	1/18/2009	
2,4-Dimethylphenol	BQL	5.33	1.73	1	1/18/2009	
Di-n-octylphthalate	BQL	5.33	0.618	1	1/18/2009	
4,6-Dinitro-2-methylphenol	BQL	26.7	0.586	1	1/18/2009	
2,4-Dinitrophenol	BQL	26.7	0.682	1	1/18/2009	
2,4-Dinitrotoluene	BQL	5.33	0.570	1	1/18/2009	
2,6-Dinitrotoluene	BQL	5.33	0.693	1	1/18/2009	
Diphenylamine *	BQL	5.33	0.608	1	1/18/2009	
Fluoranthene	BQL	5.33	0.752	1	1/18/2009	
Fluorene	BQL	5.33	0.773	1	1/18/2009	
Hexachlorobenzene	BQL	5.33	0.538	1	1/18/2009	
Hexachlorobutadiene	BQL	5.33	0.810	1	1/18/2009	
Hexachlorocyclopentadiene	BQL	10.7	10.7	1	1/18/2009	
Hexachloroethane	BQL	5.33	0.794	1	1/18/2009	
Indeno(1,2,3-c,d)pyrene	BQL	5.33	2.44	1	1/18/2009	
Isophorone	BQL	5.33	0.943	1	1/18/2009	
Naphthalene	5.54	5.33	0.970	1	1/18/2009	
Nitrobenzene	BQL	5.33	1.12	1	1/18/2009	
2-Nitrophenol	BQL	5.33	1.31	1	1/18/2009	
4-Nitrophenol	BQL	26.7	1.15	1	1/18/2009	
N-Nitrosodi-n-propylamine	BQL	5.33	1.60	1	1/18/2009	
Pentachlorophenol	BQL	26.7	1.51	1	1/18/2009	
Phenanthrene	BQL	5.33	0.474	1	1/18/2009	

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS527-MW12
Client Project ID: CTO 013
Lab Sample ID: G649-99-16F
Lab Project ID: G649-99

Analyzed By: DCS
Date Collected: 1/9/2009 11:10
Date Received: 1/9/2009
Date Extracted: 1/13/2009
Matrix: Water

Initial/Final Amt: 938 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	5.33	1.13	1	1/18/2009	
Pyrene	BQL	5.33	2.20	1	1/18/2009	
1,2,4-Trichlorobenzene	BQL	5.33	0.768	1	1/18/2009	
2,4,6-Trichlorophenol	BQL	5.33	0.986	1	1/18/2009	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	9.2	92		
2-Fluorophenol		10	8.6	86		
Nitrobenzene-d5		10	10	100		
Phenol-d6		10	8.9	89		
2,4,6-Tribromophenol		10	8.4	84		
4-Terphenyl-d14		10	9.5	95		

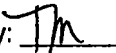
Comments:

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

Flags:

BQL = Below Quantitation Limits.

J = Detected below the quantitation limit.

Reviewed By: 

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS527-MW16
 Client Project ID: CTO 013
 Lab Sample ID: G649-99-17F
 Lab Project ID: G649-99

Analyzed By: DCS
 Date Collected: 1/9/2009 11:50
 Date Received: 1/9/2009
 Date Extracted: 1/13/2009
 Matrix: Water

Initial/Final Amt: 980 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	5.10	0.760	1	1/19/2009	
Acenaphthylene	BQL	5.10	0.760	1	1/19/2009	
Anthracene	BQL	5.10	0.893	1	1/19/2009	
Benzo[a]anthracene	BQL	5.10	0.694	1	1/19/2009	
Benzo[a]pyrene	BQL	5.10	0.648	1	1/19/2009	
Benzo[b]fluoranthene	BQL	5.10	0.730	1	1/19/2009	
Benzo[g,h,i]perylene	BQL	5.10	0.628	1	1/19/2009	
Benzo[k]fluoranthene	BQL	5.10	0.561	1	1/19/2009	
Bis(2-chloroethoxy)methane	BQL	5.10	1.05	1	1/19/2009	
Bis(2-chloroethyl)ether	BQL	5.10	1.06	1	1/19/2009	
Bis(2-chloroisopropyl)ether	BQL	5.10	0.995	1	1/19/2009	
Bis(2-ethylhexyl)phthalate	BQL	5.10	0.418	1	1/19/2009	
4-bromophenyl phenyl ether	BQL	5.10	0.796	1	1/19/2009	
Butylbenzylphthalate	BQL	5.10	0.454	1	1/19/2009	
2-Chloronaphthalene	BQL	5.10	0.883	1	1/19/2009	
2-Chlorophenol	BQL	5.10	1.19	1	1/19/2009	
4-Chloro-3-methylphenol	BQL	5.10	0.811	1	1/19/2009	
4-Chlorophenyl phenyl ether	BQL	5.10	3.32	1	1/19/2009	
Chrysene	BQL	5.10	0.566	1	1/19/2009	
Dibenzo[a,h]anthracene	BQL	5.10	0.449	1	1/19/2009	
Di-n-Butylphthalate	BQL	5.10	0.842	1	1/19/2009	
3,3'-Dichlorobenzidine	BQL	10.2	1.24	1	1/19/2009	
2,4-Dichlorophenol	BQL	5.10	1.14	1	1/19/2009	
Diethylphthalate	BQL	5.10	0.755	1	1/19/2009	
Dimethylphthalate	BQL	5.10	0.566	1	1/19/2009	
2,4-Dimethylphenol	BQL	5.10	1.65	1	1/19/2009	
Di-n-octylphthalate	BQL	5.10	0.592	1	1/19/2009	
4,6-Dinitro-2-methylphenol	BQL	25.5	0.561	1	1/19/2009	
2,4-Dinitrophenol	BQL	25.5	0.653	1	1/19/2009	
2,4-Dinitrotoluene	BQL	5.10	0.546	1	1/19/2009	
2,6-Dinitrotoluene	BQL	5.10	0.663	1	1/19/2009	
Diphenylamine *	BQL	5.10	0.582	1	1/19/2009	
Fluoranthene	BQL	5.10	0.719	1	1/19/2009	
Fluorene	BQL	5.10	0.740	1	1/19/2009	
Hexachlorobenzene	BQL	5.10	0.515	1	1/19/2009	
Hexachlorobutadiene	BQL	5.10	0.776	1	1/19/2009	
Hexachlorocyclopentadiene	BQL	10.2	10.2	1	1/19/2009	
Hexachloroethane	BQL	5.10	0.760	1	1/19/2009	
Indeno(1,2,3-c,d)pyrene	BQL	5.10	2.33	1	1/19/2009	
Isophorone	BQL	5.10	0.903	1	1/19/2009	
Naphthalene	1.17	5.10	0.929	1	1/19/2009	J
Nitrobenzene	BQL	5.10	1.07	1	1/19/2009	
2-Nitrophenol	BQL	5.10	1.26	1	1/19/2009	
4-Nitrophenol	BQL	25.5	1.10	1	1/19/2009	
N-Nitrosodi-n-propylamine	BQL	5.10	1.53	1	1/19/2009	
Pentachlorophenol	BQL	25.5	1.44	1	1/19/2009	
Phenanthrene	BQL	5.10	0.454	1	1/19/2009	

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS527-MW16
Client Project ID: CTO 013
Lab Sample ID: G649-99-17F
Lab Project ID: G649-99

Analyzed By: DCS
Date Collected: 1/9/2009 11:50
Date Received: 1/9/2009
Date Extracted: 1/13/2009
Matrix: Water

Initial/Final Amt: 980 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	5.10	1.08	1	1/19/2009	
Pyrene	BQL	5.10	2.11	1	1/19/2009	
1,2,4-Trichlorobenzene	BQL	5.10	0.735	1	1/19/2009	
2,4,6-Trichlorophenol	BQL	5.10	0.944	1	1/19/2009	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	9.1	91		
2-Fluorophenol		10	8.7	87		
Nitrobenzene-d5		10	9.9	99		
Phenol-d6		10	9.2	92		
2,4,6-Tribromophenol		10	7.9	79		
4-Terphenyl-d14		10	9.4	94		

Comments:

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

Flags:

BQL = Below Quantitation Limits.

J = Detected below the quantitation limit.

Reviewed By: 

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTRF-DUPLICATE 1
 Client Project ID: CTO 013
 Lab Sample ID: G649-99-18F
 Lab Project ID: G649-99

Analyzed By: DCS
 Date Collected:
 Date Received: 1/9/2009
 Date Extracted: 1/13/2009
 Matrix: Water

Initial/Final Amt: 934 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	5.35	0.798	1	1/19/2009	
Acenaphthylene	BQL	5.35	0.798	1	1/19/2009	
Anthracene	BQL	5.35	0.937	1	1/19/2009	
Benzo[a]anthracene	BQL	5.35	0.728	1	1/19/2009	
Benzo[a]pyrene	BQL	5.35	0.680	1	1/19/2009	
Benzo[b]fluoranthene	BQL	5.35	0.766	1	1/19/2009	
Benzo[g,h,i]perylene	BQL	5.35	0.658	1	1/19/2009	
Benzo[k]fluoranthene	BQL	5.35	0.589	1	1/19/2009	
Bis(2-chloroethoxy)methane	BQL	5.35	1.10	1	1/19/2009	
Bis(2-chloroethyl)ether	BQL	5.35	1.11	1	1/19/2009	
Bis(2-chloroisopropyl)ether	BQL	5.35	1.04	1	1/19/2009	
Bis(2-ethylhexyl)phthalate	BQL	5.35	0.439	1	1/19/2009	
4-bromophenyl phenyl ether	BQL	5.35	0.835	1	1/19/2009	
Butylbenzylphthalate	BQL	5.35	0.476	1	1/19/2009	
2-Chloronaphthalene	BQL	5.35	0.926	1	1/19/2009	
2-Chlorophenol	BQL	5.35	1.25	1	1/19/2009	
4-Chloro-3-methylphenol	BQL	5.35	0.851	1	1/19/2009	
4-Chlorophenyl phenyl ether	BQL	5.35	3.49	1	1/19/2009	
Chrysene	BQL	5.35	0.594	1	1/19/2009	
Dibenzo[a,h]anthracene	BQL	5.35	0.471	1	1/19/2009	
Di-n-Butylphthalate	BQL	5.35	0.883	1	1/19/2009	
3,3'-Dichlorobenzidine	BQL	10.7	1.31	1	1/19/2009	
2,4-Dichlorophenol	BQL	5.35	1.20	1	1/19/2009	
Diethylphthalate	BQL	5.35	0.792	1	1/19/2009	
Dimethylphthalate	BQL	5.35	0.594	1	1/19/2009	
2,4-Dimethylphenol	BQL	5.35	1.73	1	1/19/2009	
Di-n-octylphthalate	BQL	5.35	0.621	1	1/19/2009	
4,6-Dinitro-2-methylphenol	BQL	26.8	0.589	1	1/19/2009	
2,4-Dinitrophenol	BQL	26.8	0.685	1	1/19/2009	
2,4-Dinitrotoluene	BQL	5.35	0.573	1	1/19/2009	
2,6-Dinitrotoluene	BQL	5.35	0.696	1	1/19/2009	
Diphenylamine *	BQL	5.35	0.610	1	1/19/2009	
Fluoranthene	BQL	5.35	0.755	1	1/19/2009	
Fluorene	BQL	5.35	0.776	1	1/19/2009	
Hexachlorobenzene	BQL	5.35	0.541	1	1/19/2009	
Hexachlorobutadiene	BQL	5.35	0.814	1	1/19/2009	
Hexachlorocyclopentadiene	BQL	10.7	10.7	1	1/19/2009	
Hexachloroethane	BQL	5.35	0.798	1	1/19/2009	
Indeno(1,2,3-c,d)pyrene	BQL	5.35	2.45	1	1/19/2009	
Isophorone	BQL	5.35	0.948	1	1/19/2009	
Naphthalene	131	5.35	0.974	1	1/19/2009	
Nitrobenzene	BQL	5.35	1.12	1	1/19/2009	
2-Nitrophenol	BQL	5.35	1.32	1	1/19/2009	
4-Nitrophenol	BQL	26.8	1.16	1	1/19/2009	
N-Nitrosodi-n-propylamine	BQL	5.35	1.61	1	1/19/2009	
Pentachlorophenol	BQL	26.8	1.51	1	1/19/2009	
Phenanthrene	BQL	5.35	0.476	1	1/19/2009	

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTRF-DUPLICATE 1
Client Project ID: CTO 013
Lab Sample ID: G649-99-18F
Lab Project ID: G649-99

Analyzed By: DCS
Date Collected:
Date Received: 1/9/2009
Date Extracted: 1/13/2009
Matrix: Water

Initial/Final Amt: 934 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	5.35	1.13	1	1/19/2009	
Pyrene	BQL	5.35	2.21	1	1/19/2009	
1,2,4-Trichlorobenzene	BQL	5.35	0.771	1	1/19/2009	
2,4,6-Trichlorophenol	BQL	5.35	0.990	1	1/19/2009	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	9	90		
2-Fluorophenol		10	8.2	82		
Nitrobenzene-d5		10	10	100		
Phenol-d6		10	8.6	86		
2,4,6-Tribromophenol		10	8.6	86		
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: DM

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS527-DUPLICATE 2
 Client Project ID: CTO 013
 Lab Sample ID: G649-99-19F
 Lab Project ID: G649-99

Analyzed By: DCS
 Date Collected:
 Date Received: 1/9/2009
 Date Extracted: 1/13/2009
 Matrix: Water

Initial/Final Amt: 926 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	5.40	0.805	1	1/19/2009	
Acenaphthylene	BQL	5.40	0.805	1	1/19/2009	
Anthracene	BQL	5.40	0.945	1	1/19/2009	
Benzo[a]anthracene	BQL	5.40	0.734	1	1/19/2009	
Benzo[a]pyrene	BQL	5.40	0.686	1	1/19/2009	
Benzo[b]fluoranthene	BQL	5.40	0.772	1	1/19/2009	
Benzo[g,h,i]perylene	BQL	5.40	0.664	1	1/19/2009	
Benzo[k]fluoranthene	BQL	5.40	0.594	1	1/19/2009	
Bis(2-chloroethoxy)methane	BQL	5.40	1.11	1	1/19/2009	
Bis(2-chloroethyl)ether	BQL	5.40	1.12	1	1/19/2009	
Bis(2-chloroisopropyl)ether	BQL	5.40	1.05	1	1/19/2009	
Bis(2-ethylhexyl)phthalate	0.648	5.40	0.443	1	1/19/2009	J
4-bromophenyl phenyl ether	BQL	5.40	0.842	1	1/19/2009	
Butylbenzylphthalate	BQL	5.40	0.481	1	1/19/2009	
2-Chloronaphthalene	BQL	5.40	0.934	1	1/19/2009	
2-Chlorophenol	BQL	5.40	1.26	1	1/19/2009	
4-Chloro-3-methylphenol	BQL	5.40	0.859	1	1/19/2009	
4-Chlorophenyl phenyl ether	BQL	5.40	3.52	1	1/19/2009	
Chrysene	BQL	5.40	0.599	1	1/19/2009	
Dibenzo[a,h]anthracene	BQL	5.40	0.475	1	1/19/2009	
Di-n-Butylphthalate	BQL	5.40	0.891	1	1/19/2009	
3,3'-Dichlorobenzidine	BQL	10.8	1.32	1	1/19/2009	
2,4-Dichlorophenol	BQL	5.40	1.21	1	1/19/2009	
Diethylphthalate	BQL	5.40	0.799	1	1/19/2009	
Dimethylphthalate	BQL	5.40	0.599	1	1/19/2009	
2,4-Dimethylphenol	BQL	5.40	1.75	1	1/19/2009	
Di-n-octylphthalate	BQL	5.40	0.626	1	1/19/2009	
4,6-Dinitro-2-methylphenol	BQL	27.0	0.594	1	1/19/2009	
2,4-Dinitrophenol	BQL	27.0	0.691	1	1/19/2009	
2,4-Dinitrotoluene	BQL	5.40	0.578	1	1/19/2009	
2,6-Dinitrotoluene	BQL	5.40	0.702	1	1/19/2009	
Diphenylamine *	BQL	5.40	0.616	1	1/19/2009	
Fluoranthene	BQL	5.40	0.761	1	1/19/2009	
Fluorene	BQL	5.40	0.783	1	1/19/2009	
Hexachlorobenzene	BQL	5.40	0.545	1	1/19/2009	
Hexachlorobutadiene	BQL	5.40	0.821	1	1/19/2009	
Hexachlorocyclopentadiene	BQL	10.8	10.8	1	1/19/2009	
Hexachloroethane	BQL	5.40	0.805	1	1/19/2009	
Indeno(1,2,3-c,d)pyrene	BQL	5.40	2.47	1	1/19/2009	
Isophorone	BQL	5.40	0.956	1	1/19/2009	
Naphthalene	138	5.40	0.983	1	1/19/2009	
Nitrobenzene	BQL	5.40	1.13	1	1/19/2009	
2-Nitrophenol	BQL	5.40	1.33	1	1/19/2009	
4-Nitrophenol	BQL	27.0	1.17	1	1/19/2009	
N-Nitrosodi-n-propylamine	BQL	5.40	1.62	1	1/19/2009	
Pentachlorophenol	BQL	27.0	1.53	1	1/19/2009	
Phenanthrene	BQL	5.40	0.481	1	1/19/2009	

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS527-DUPLICATE 2
Client Project ID: CTO 013
Lab Sample ID: G649-99-19F
Lab Project ID: G649-99

Analyzed By: DCS
Date Collected:
Date Received: 1/9/2009
Date Extracted: 1/13/2009
Matrix: Water

Initial/Final Amt: 926 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	5.40	1.14	1	1/19/2009	
Pyrene	BQL	5.40	2.23	1	1/19/2009	
1,2,4-Trichlorobenzene	BQL	5.40	0.778	1	1/19/2009	
2,4,6-Trichlorophenol	BQL	5.40	0.999	1	1/19/2009	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	9.2	92		
2-Fluorophenol		10	8.4	84		
Nitrobenzene-d5		10	10.1	101		
Phenol-d6		10	9.1	91		
2,4,6-Tribromophenol		10	8.8	88		
4-Terphenyl-d14		10	9.1	91		

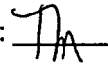
Comments:

* 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: USTRF-MW06
Client Project ID: CTO 013
Lab Sample ID: G649-99-1F
Lab Project ID: G649-99
Sample Wt/Vol: 995 ML
Dilution: 1

Analyzed By: DES
Date Collected: 1/8/2009 17:10
Date Received: 1/9/2009
Date Extracted: 1/13/2009
Date Analyzed: 1/17/2009
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result ug/L
1	Unknown	4.60			2.91

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 of Library Search for Semivolatile Compounds
by GCMS

Client Sample ID: USTRF-MW07

Client Project ID: CTO 013

Lab Sample ID: G649-99-2F

Lab Project ID: G649-99

Sample Wt/Vol: 923 ML

Dilution: 1

Analyzed By: DES

Date Collected: 1/8/2009 18:00

Date Received: 1/9/2009

Date Extracted: 1/13/2009

Date Analyzed: 1/17/2009

Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result ug/L
1	Aromatic acid, Unknown	4.60			2.63

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 of Library Search for Semivolatile Compounds
by GCMS

Client Sample ID: USTRF-MW08
Client Project ID: CTO 013
Lab Sample ID: G649-99-3F
Lab Project ID: G649-99
Sample Wt/Vol: 936 ML
Dilution: 1

Analyzed By: DES
Date Collected: 1/8/2009 17:28
Date Received: 1/9/2009
Date Extracted: 1/13/2009
Date Analyzed: 1/17/2009
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result ug/L
1	Unknown	4.60			2.63

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: MJC

Results of Library Search for Semivolatile Compounds by GCMS

Client Sample ID: USTRF-MW09
Client Project ID: CTO 013
Lab Sample ID: G649-99-4F
Lab Project ID: G649-99
Sample Wt/Vol: 916 ML
Dilution: 1

Analyzed By: DES
Date Collected: 1/8/2009 16:36
Date Received: 1/9/2009
Date Extracted: 1/13/2009
Date Analyzed: 1/17/2009
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result ug/L
1	Unknown	4.60			3.93
2	Alkane, Unknown	6.66			2.25
3	Unknown	7.93			2.48

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 of Library Search for Semivolatile Compounds
by GCMS

Client Sample ID: USTRF-MW22
 Client Project ID: CTO 013
 Lab Sample ID: G649-99-5F
 Lab Project ID: G649-99
 Sample Wt/Vol: 997 ML
 Dilution: 1

Analyzed By: DES
 Date Collected: 1/9/2009 12:30
 Date Received: 1/9/2009
 Date Extracted: 1/13/2009
 Date Analyzed: 1/17/2009
 Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result ug/L
1	1,2,4-Trithiolane	4.54	289-16-7	91	18.2
2	Benzene, 1,4-diethyl-	4.18	105-05-5	95	42.8
3	Benzene, 1-ethyl-3,5-dimethyl-	4.18	934-74-7	91	3.92
4	Benzene, 1-ethyl-3-methyl-	3.95	620-14-4	94	4.7
5	Benzene, 1-ethyl-4-methyl-	3.95	622-96-8	94	57
6	Benzene, 1-methyl-2-propyl-	4.25	1074-17-5	91	24.2
7	Benzene, 1-methyl-3-(1-methylethyl)-	4.31	535-77-3	95	18.4
8	Benzene, 1-methyl-3-propyl-	4.13	1074-43-7	91	23.3
9	Aromatic, Unknown	4.84			4.15
10	Aromatic, Unknown	4.84			38.1

Comment:

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

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

Reviewed by: _____



Results of Library Search for Semivolatile Compounds
by GCMS

Client Sample ID: USTRF-MW06G
Client Project ID: CTO 013
Lab Sample ID: G649-99-6F
Lab Project ID: G649-99
Sample Wt/Vol: 945 ML
Dilution: 1

Analyzed By: DES
Date Collected: 1/8/2009 15:35
Date Received: 1/9/2009
Date Extracted: 1/13/2009
Date Analyzed: 1/17/2009
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result ug/L
1	Unknown	4.60			2.8

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 of Library Search for Semivolatile Compounds
by GCMS

Client Sample ID: USTAS511-MW01
Client Project ID: CTO 013
Lab Sample ID: G649-99-7F
Lab Project ID: G649-99
Sample Wt/Vol: 988 ML
Dilution: 1

Analyzed By: DES
Date Collected: 1/9/2009 14:00
Date Received: 1/9/2009
Date Extracted: 1/13/2009
Date Analyzed: 1/17/2009
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result ug/L
1	Unknown	6.33			4.53
2	Unknown	5.81			4.08
3	1H-Indene, 2,3-dihydro-1,6-dimethyl-	5.15	17059-48-2	91	4.23
4	Unknown	6.55			3.17
5	Aromatic, Unknown	5.96			4.55
6	Aromatic, Unknown	5.67			3.44
7	Cyclohexasiloxane, dodecamethyl-	5.68	540-97-6	91	2.79
8	Unknown	4.60			2.46
9	Diphenylmethane	6.59	101-81-5	94	4.52
10	Naphthalene, 1,2,3,4-tetrahydro-1-methyl-	5.34	1559-81-5	97	3.33

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 of Library Search for Semivolatile Compounds
by GCMS

Client Sample ID: USTAS511-MW02
Client Project ID: CTO 013
Lab Sample ID: G649-99-8F
Lab Project ID: G649-99
Sample Wt/Vol: 973 ML
Dilution: 1

Analyzed By: DES
Date Collected: 1/9/2009 11:20
Date Received: 1/9/2009
Date Extracted: 1/13/2009
Date Analyzed: 1/17/2009
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result ug/L
1	Unknown	4.60			3.32

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: LA

Results of Library Search for Semivolatile Compounds
by GCMS

Client Sample ID: USTAS511-MW04
Client Project ID: CTO 013
Lab Sample ID: G649-99-10F
Lab Project ID: G649-99
Sample Wt/Vol: 939 ML
Dilution: 1

Analyzed By: DES
Date Collected: 1/9/2009 13:05
Date Received: 1/9/2009
Date Extracted: 1/13/2009
Date Analyzed: 1/17/2009
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result ug/L
1	Cyclopentasiloxane, decamethyl-	4.60	541-02-6	91	4.01

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 of Library Search for Semivolatile Compounds
by GCMS

Client Sample ID: USTAS511-MW05
Client Project ID: CTO 013
Lab Sample ID: G649-99-11F
Lab Project ID: G649-99
Sample Wt/Vol: 989 ML
Dilution: 1

Analyzed By: DES
Date Collected: 1/9/2009 14:18
Date Received: 1/9/2009
Date Extracted: 1/13/2009
Date Analyzed: 1/17/2009
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result ug/L
1	Unknown	4.60			3.75

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: CPM

Results of Library Search for Semivolatile Compounds
by GCMS

Client Sample ID: USTAS511-MW06
Client Project ID: CTO 013
Lab Sample ID: G649-99-12F
Lab Project ID: G649-99
Sample Wt/Vol: 969 ML
Dilution: 1

Analyzed By: DES
Date Collected: 1/9/2009 10:45
Date Received: 1/9/2009
Date Extracted: 1/13/2009
Date Analyzed: 1/17/2009
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result ug/L
1	Unknown	4.60			3.37

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 of Library Search for Semivolatile Compounds
by GCMS

Client Sample ID: USTAS511-MW07
Client Project ID: CTO 013
Lab Sample ID: G649-99-13F
Lab Project ID: G649-99
Sample Wt/Vol: 941 ML
Dilution: 1

Analyzed By: DES
Date Collected: 1/9/2009 10:30
Date Received: 1/9/2009
Date Extracted: 1/13/2009
Date Analyzed: 1/18/2009
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result ug/L
1	Unknown	4.59			2.99

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: MA

Results of Library Search for Semivolatile Compounds
by GCMS

Client Sample ID: USTAS511-MW08

Client Project ID: CTO 013

Lab Sample ID: G649-99-14F

Lab Project ID: G649-99

Sample Wt/Vol: 931 ML

Dilution: 1

Analyzed By: DES

Date Collected: 1/9/2009 12:25

Date Received: 1/9/2009

Date Extracted: 1/13/2009

Date Analyzed: 1/18/2009

Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result ug/L
1	Unknown	4.59			2.86

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 of Library Search for Semivolatile Compounds
by GCMS

Client Sample ID: USTAS527-MW10
Client Project ID: CTO 013
Lab Sample ID: G649-99-15F
Lab Project ID: G649-99
Sample Wt/Vol: 921 ML
Dilution: 1

Analyzed By: DES
Date Collected: 1/9/2009 14:10
Date Received: 1/9/2009
Date Extracted: 1/13/2009
Date Analyzed: 1/18/2009
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result ug/L
1	1,2,4-Trimethylbenzene	3.94	95-36-3	91	5.4
2	1H-Inden-1-one, 2,3-dihydro-	5.68	83-33-0	97.5	65.5
3	Propenylbenzene, Isomer of	6.46			8.61
4	Benzene, 1,2,4,5-tetramethyl-	4.76	95-93-2	94	82.2
5	Benzene, 1-ethyl-3-methyl-	3.94	620-14-4	94	46.3
6	Benzene, 1-methyl-2-(1-methylethyl)-	4.16	527-84-4	93	40.3
7	Benzene, 1-methyl-4-(1-methylethyl)-	4.32	99-87-6	95	38.5
8	Benzene, 2-ethyl-1,4-dimethyl-	4.30	1758-88-9	94.5	45.3
9	Aromatic, Unknown	4.92			5.94
10	Aromatic, Unknown	6.47			65.4

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 of Library Search for Semivolatile Compounds
by GCMS

Client Sample ID: USTAS527-MW12
 Client Project ID: CTO 013
 Lab Sample ID: G649-99-16F
 Lab Project ID: G649-99
 Sample Wt/Vol: 938 ML
 Dilution: 1

Analyzed By: DES
 Date Collected: 1/9/2009 11:10
 Date Received: 1/9/2009
 Date Extracted: 1/13/2009
 Date Analyzed: 1/18/2009
 Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result ug/L
1	Aromatic, Unknown	4.74			4.26
2	Tetramethylbenzene, Isomer of	4.83			11.1
3	Benzene, 1,2,4,5-tetramethyl-	4.61	95-93-2	94	4.45
4	Benzene, 1,2-diethyl-	4.18	135-01-3	94	4.41
5	Benzene, 2-ethyl-1,4-dimethyl-	4.32	1758-88-9	91	4.55
6	Aromatic, Unknown	4.92			5.65
7	Unknown	4.16			4.54
8	Naphthalene, 1,7-dimethyl-	6.54	575-37-1	96	4.36

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 of Library Search for Semivolatile Compounds
by GCMS

Client Sample ID: USTAS527-MW16
Client Project ID: CTO 013
Lab Sample ID: G649-99-17F
Lab Project ID: G649-99
Sample Wt/Vol: 980 ML
Dilution: 1

Analyzed By: DES
Date Collected: 1/9/2009 11:50
Date Received: 1/9/2009
Date Extracted: 1/13/2009
Date Analyzed: 1/19/2009
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result ug/L
1	Unknown	4.80			2.95
2	Unknown	6.65			2.8

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 of Library Search for Semivolatile Compounds by GCMS

Client Sample ID: USTRF-DUPLICATE 1
 Client Project ID: CTO 013
 Lab Sample ID: G649-99-18F
 Lab Project ID: G649-99
 Sample Wt/Vol: 934 ML
 Dilution: 1

Analyzed By: DES
 Date Collected: 1/8/2009 0:00
 Date Received: 1/9/2009
 Date Extracted: 1/13/2009
 Date Analyzed: 1/19/2009
 Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result ug/L
1	Benzene, 1,2,4,5-tetramethyl-	4.61	95-93-2	93	6.13
2	Aromatic, Unknown	7.31			38.6
3	Benzene, 1,4-diethyl-	4.16	105-05-5	97	6.98
4	Benzene, 1-methyl-2-(1-methylethyl)-	4.32	527-84-4	94.5	42.3
5	Aromatic, Unknown	4.83			64
6	Benzene, 1-methyl-4-(1-methylethyl)-	4.16	99-87-6	94	42.3
7	Benzene, 2-ethyl-1,4-dimethyl-	4.30	1758-88-9	97	28.8
8	Aromatic, Unknown	4.92			39.6
9	Aromatic acid, Unknown	8.14			36.6
10	Unknown	6.50			41.4

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 of Library Search for Semivolatile Compounds
by GCMS

Client Sample ID: USTAS527-DUPLICATE 2
Client Project ID: CTO 013
Lab Sample ID: G649-99-19F
Lab Project ID: G649-99
Sample Wt/Vol: 926 ML
Dilution: 1

Analyzed By: DES
Date Collected: 1/9/2009 0:00
Date Received: 1/9/2009
Date Extracted: 1/13/2009
Date Analyzed: 1/19/2009
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result ug/L
1	Benzene, 1,2,3,5-tetramethyl-	4.61	527-53-7	91	3.33
2	Aromatic, Unknown	7.31			44
3	Benzene, 1,4-diethyl-	4.16	105-05-5	97	51.6
4	Benzene, 1-ethyl-2,3-dimethyl-	4.16	933-98-2	91	3.45
5	Aromatic, Unknown	4.83			6.33
6	Aromatic, Unknown	4.32			2.67
7	Benzene, 1-methyl-3-(1-methylethyl)-	4.32	535-77-3	95	43.3
8	Aromatic, Unknown	4.83			50.1
9	Aromatic, Unknown	4.92			40.4
10	Unknown	8.14			39.8

Comment:

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

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

Reviewed by: 



SGS Environmental Services Inc.
CHAIN OF CUSTODY RECORD

Locations Nationwide
• Alaska • Maryland
• New Jersey • New York
• North Carolina • Ohio
• West Virginia
www.us.sgs.com

1 CLIENT: <u>OSAGE of VIRGINIA</u>					SGS Reference #: <u>G649-99</u>					page <u>1</u> of <u>2</u>									
CONTACT: <u>TERESA EILERMAN</u> PHONE NO: <u>737-274-4949</u>					# CONTAINERS SAMPLE TYPE C= COMP G= GRAB MI= Multi Incremental Samples Preservatives Used HCL NON Analysis Required 3 <u>602 + MTBE + xylols</u> <u>625 + TICS</u>														
PROJECT: <u>CTO 013</u> SITE/PWSID#: <u>Rapid Refactor</u>																			
REPORTS TO: <u>Shaun Whitworth</u> EMAIL: <u>Swhitworth@osageva.com</u>																			
INVOICE TO: <u>Mike Cree</u> QUOTE #: <u>CTO 013</u>																			
P.O. #: <u>CTO 013</u>																			
LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX/ MATRIX CODE									REMARKS/ LOC ID						
1	USTRF-MW06	1/8/09	1710	W	5			X	X										
1	USTRF-MW07	1/8/09	1800	W	5			X	X										
1	USTRF-MW08	1/8/09	1728	W	5			X	X										
1	USTRF-MW09	1/8/09	1636	W	5			X	X										
1	USTRF-MW22	1/9/09	1230	W	5			X	X										
1	USTRF-MW06G	1/8/09	1535	W	5			X	X										
1	USTASS11-MW01	1/9/09	1400	W	5			X	X										
1	USTASS11-MW02	1/9/09	1120	W	5			X	X										
1	USTASS11-MW03	1/9/09	0915	W	5			X	X										
1	USTASS11-MW04	1/9/09	1305	W	5			X	X										
5 Collected/Relinquished By: (1) <u>[Signature]</u> Date <u>1/9/09</u> Time <u>1532</u>					4 Received By: <u>[Signature]</u> TIME: <u>1532</u>					DOD Project? <u>YES</u> NO					Special Deliverable Requirements: <u>EDD Format</u>				
Relinquished By: (2) <u>[Signature]</u> Date <u>1/9</u> Time <u>1638</u>					Received By: <u>[Signature]</u>					Cooler ID _____					Requested Turnaround Time and-or Special Instructions: <u>Standard Turn - Email results to Swhitworth + tellerman@osageva.com</u>				
Relinquished By: (3) _____ Date _____ Time _____					Received By: _____					Samples Received Cold? <u>YES</u> NO					Chain of Custody Seal: (Circle) <u>INTACT</u> BROKEN ABSENT				
Relinquished By: (4) _____ Date _____ Time _____					Received For Laboratory By: _____					Cooler TB Temperature °C: <u>4.0, 5.1, 5.8, 3.7, 5.6, 2.7</u>									



SGS Environmental Services Inc.
CHAIN OF CUSTODY RECORD

Locations Nationwide
• Alaska • Maryland
• New Jersey • New York
• North Carolina • Ohio
• West Virginia

www.us.sgs.com

1 CLIENT: <u>OSAGE of VIRGINIA</u>						SGS Reference #: <u>6649-99</u>						page <u>2</u> of <u>2</u>							
CONTACT: <u>Theresa Elstrom</u> PHONE NO: _____						CONTAINERS # SAMPLE TYPE C= COMP G= GRAB MI= Multi Incremental Samples Preservatives Used Analysis Required <u>602 + MTBE + Xylenes</u> <u>605 + TICS</u>						REMARKS/LOC ID							
PROJECT: <u>CTO 013</u> SITE/PWSID#: <u>Rapid Refueling</u>																			
REPORTS TO: <u>PG 1</u> EMAIL: <u>PG 1</u>																			
INVOICE TO: <u>PG 1</u> QUOTE #: _____ P.O. #: <u>PG 1</u>																			
2																			
LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX/MATRIX CODE															
✓	USTASS11-MW05	1/9/09	1418	W	5														
✓	USTASS11-MW06	1/9/09	1045	W	5														
✓	USTASS11-MW07	1/9/09	1030	W	5														
✓	USTASS11-MW08	1/9/09	1225	W	5														
✓	USTASS27-MW10	1/9/09	1410	W	5														
✓	USTASS27-MW12	1/9/09	1110	W	5														
✓	USTASS27-MW16	1/9/09	1150	W	5														
✓	USTRE-DUP1			W	5														
✓	USTASS27-DUP1			W	5														
✓	TRIP BLANKS	1/9/09	1530	W	2														
5						4													
Collected/Relinquished By: (1)		Date	Time	Received By:		DOD Project? <u>YES</u> NO		Special Deliverable Requirement <u>EDD</u>											
Relinquished By: (2)		Date	Time	Received By:		Cooler ID _____													
Relinquished By: (3)		Date	Time	Received By:		Requested Turnaround Time and/or Special Instructions: <u>PG 1</u>													
Relinquished By: (4)		Date	Time	Received For Laboratory By:		Samples Received Cold? <u>YES</u> NO		Chain of Custody <u>INTACT</u>											
						Cooler Temperature: <u>40.5, 3.7, 56.7</u>													



Shaun Whitworth
Osage of Virginia
2618 A Colley Ave
Norfolk, VA 23517

Report Number: G649-100

Client Project: CTO 013

Dear Shaun Whitworth,

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 Environmental Services at (910) 350-1903. We will be happy to answer any questions or concerns which you may have.

Thank you for using SGS Environmental Services for your analytical services. We look forward to working with you again on any additional analytical needs which you may have.

Sincerely,
SGS Environmental Services, Inc.

Ashley Nifong *Revised*
Project Manager *5/7/09*
Ashley Nifong Date

List of Reporting Abbreviations
And Data Qualifiers

B = Compound also detected in batch blank .

BQL = Below Quantification 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/CL = Reporting Limit / Control 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.

MI34.021808.4



SGS Environmental Services Inc.
CHAIN OF CUSTODY RECORD

Locations Nationwide
• Alaska • Maryland
• New Jersey • New York
• North Carolina • Ohio
• West Virginia
www.us.sgs.com

1 CLIENT: <u>OSAGE of VIRGINIA</u>					SGS Reference #: <u>6649-100</u>					page <u>1</u> of <u>2</u>										
CONTACT: <u>Theresa Ullman</u> PHONE NO: <u>757, 274-4949</u>																				
PROJECT: <u>CTO 013</u> SITE/PWSID#: <u>Rapid Refueler</u>																				
REPORTS TO: <u>Shaun Whitworth</u> EMAIL: <u>Swhitworth@osageva.com</u>																				
INVOICE TO: <u>Mike Cree</u> QUOTE #: <u>CTO 013</u>																				
2																				
LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX/ MATRIX CODE	# CONTAINERS	SAMPLE TYPE C= COMP G= GRAB MI= Multi Incremental Samples	Preservatives Used	HEJ	NON											REMARKS/ LOC ID
✓	USTRF-MW21	1/12/09	0921	W	5		X	X												
✓	USTRF-MW23	1/12/09	1043	W	5		X	X												Dup collection
✓	USTRF-MW04G	1/13/09	1645	W	5		X	X												date 1/13/09
✓	USTRF-MW05G	1/13/09	1325	W	5		X	X												per T. Ullman
✓	USTRF-DUPLICATE 3	—	—	W	5		X	X												1/12/09
✓	USTAS 527-DW02	1/14/09	1250	W	5		X	X												
✓	USTAS 527-DW05	1/14/09	1336	W	5		X	X												
✓	USTAS 527-DW06	1/14/09	1125	W	5		X	X												
✓	USTAS 527-MW03	1/13/09	1450	W	5		X	X												
✓	USTAS 527-MW04	1/12/09	1410	W	5		X	X												
5					4															
Collected/Relinquished By: (1)		Date	Time	Received By:		DOD Project? <u>YES</u> NO					Special Deliverable Requirements:									
<u>Theresa Ullman</u>		1/14/09	1455	<u>Mike Cree</u>		Cooler ID					EDD Format									
Relinquished By: (2)		Date	Time	Received By:		Requested Turnaround Time and-or Special Instructions:														
<u>Mike Cree</u>		1/14/09	1620	<u>Shaun Whitworth</u>		Standard Turn - Email results to: Swhitworth & tellerman@osageva.com														
Relinquished By: (3)		Date	Time	Received By:		Samples Received Cold? <u>YES</u> NO					Chain of Custody Seal: (Circle)									
						Cooler TB					<u>INTACT</u> BROKEN ABSENT									
Relinquished By: (4)		Date	Time	Received For Laboratory By:		Temperature °C: <u>4.2, 4.8, 3.6</u>														

SGS Environmental Services Inc. CHAIN OF CUSTODY RECORD

Locations Nationwide

- Alaska
- New Jersey
- North Carolina
- West Virginia
- Maryland
- New York
- Ohio

www.us.sgs.com

[illegible]

SGS Environmental Services, Inc.

Results for Volatiles

by GC 602

Client Sample ID: USTRF-MW21

Client Project ID: CTO 013

Lab Sample ID: G649-100-1A

Lab Project ID: G649-100

Analyzed By: RSB

Date Collected: 1/12/2009 9:21

Date Received: 1/14/2009

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.177	1	1/21/2009	
Diisopropyl ether (DIPE)	BQL	1.00	0.253	1	1/21/2009	
Ethylbenzene	BQL	1.00	0.19	1	1/21/2009	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.306	1	1/21/2009	
Toluene	BQL	1.00	0.313	1	1/21/2009	
m/p-Xylene	BQL	2.00	0.481	1	1/21/2009	
o-Xylene	BQL	2.00	0.405	1	1/21/2009	

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	41.5	104

Comments:

All values corrected for dilution.

BQL = Below quantitation limit.

Results for Volatiles

by GC 602

Client Sample ID: USTRF-MW23

Analyzed By: RSB

Client Project ID: CTO 013

Date Collected: 1/12/2009 10:43

Lab Sample ID: G649-100-2A

Date Received: 1/14/2009

Lab Project ID: G649-100

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.177	1	1/21/2009	
Diisopropyl ether (DIPE)	BQL	1.00	0.253	1	1/21/2009	
Ethylbenzene	2.52	1.00	0.19	1	1/21/2009	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.306	1	1/21/2009	
Toluene	BQL	1.00	0.313	1	1/21/2009	
m/p-Xylene	0.666	2.00	0.481	1	1/21/2009	J
o-Xylene	BQL	2.00	0.405	1	1/21/2009	

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	42.1	105

Comments:

All values corrected for dilution.

BQL = Below quantitation limit.

SGS Environmental Services, Inc.

Results for Volatiles

by GC 602

Client Sample ID: USTRF-MW04G

Analyzed By: RSB

Client Project ID: CTO 013

Date Collected: 1/13/2009 16:45

Lab Sample ID: G649-100-3A

Date Received: 1/14/2009

Lab Project ID: G649-100

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.177	1	1/21/2009	
Diisopropyl ether (DIPE)	BQL	1.00	0.253	1	1/21/2009	
Ethylbenzene	BQL	1.00	0.19	1	1/21/2009	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.306	1	1/21/2009	
Toluene	BQL	1.00	0.313	1	1/21/2009	
m/p-Xylene	BQL	2.00	0.481	1	1/21/2009	
o-Xylene	BQL	2.00	0.405	1	1/21/2009	

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	41.7	104

Comments:

All values corrected for dilution.

BQL = Below quantitation limit.

SGS Environmental Services, Inc.

Results for Volatiles

by GC 602

Client Sample ID: USTRF-MW05G

Analyzed By: RSB

Client Project ID: CTO 013

Date Collected: 1/13/2009 13:25

Lab Sample ID: G649-100-4A

Date Received: 1/14/2009

Lab Project ID: G649-100

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.177	1	1/21/2009	
Diisopropyl ether (DIPE)	BQL	1.00	0.253	1	1/21/2009	
Ethylbenzene	BQL	1.00	0.19	1	1/21/2009	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.306	1	1/21/2009	
Toluene	BQL	1.00	0.313	1	1/21/2009	
m/p-Xylene	0.973	2.00	0.481	1	1/21/2009	J
o-Xylene	BQL	2.00	0.405	1	1/21/2009	

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	41.7	104

Comments:

All values corrected for dilution.

BQL = Below quantitation limit.

SGS Environmental Services, Inc.

Results for Volatiles

by GC 602

Client Sample ID: USTRF-DUPLICATE 3

Analyzed By: RSB

Client Project ID: CTO 013

Date Collected:

Lab Sample ID: G649-100-5A

Date Received: 1/14/2009

Lab Project ID: G649-100

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.177	1	1/21/2009	
Diisopropyl ether (DIPE)	BQL	1.00	0.253	1	1/21/2009	
Ethylbenzene	BQL	1.00	0.19	1	1/21/2009	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.306	1	1/21/2009	
Toluene	BQL	1.00	0.313	1	1/21/2009	
m/p-Xylene	BQL	2.00	0.481	1	1/21/2009	
o-Xylene	BQL	2.00	0.405	1	1/21/2009	

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	41.2	103

Comments:

All values corrected for dilution.

BQL = Below quantitation limit.

SGS Environmental Services, Inc.

Results for Volatiles

by GC 602

Client Sample ID: USTAS527-DW02

Analyzed By: RSB

Client Project ID: CTO 013

Date Collected: 1/14/2009 12:50

Lab Sample ID: G649-100-6A

Date Received: 1/14/2009

Lab Project ID: G649-100

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	3.63	1.00	0.428	1	1/23/2009	
Diisopropyl ether (DIPE)	BQL	1.00	0.391	1	1/23/2009	
Ethylbenzene	49.7	1.00	0.341	1	1/23/2009	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.778	1	1/23/2009	
Toluene	0.527	1.00	0.404	1	1/23/2009	J
m/p-Xylene	31.9	2.00	0.671	1	1/23/2009	
o-Xylene	BQL	1.00	0.302	1	1/23/2009	

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	39.6	98.9

Comments:

All values corrected for dilution.

BQL = Below quantitation limit.

SGS Environmental Services, Inc.

Results for Volatiles
by GC 602

Client Sample ID: USTAS527-DW05

Analyzed By: RSB

Client Project ID: CTO 013

Date Collected: 1/14/2009 13:36

Lab Sample ID: G649-100-7A

Date Received: 1/14/2009

Lab Project ID: G649-100

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.428	1	1/23/2009	
Diisopropyl ether (DIPE)	BQL	1.00	0.391	1	1/23/2009	
Ethylbenzene	BQL	1.00	0.341	1	1/23/2009	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.778	1	1/23/2009	
Toluene	BQL	1.00	0.404	1	1/23/2009	
m/p-Xylene	BQL	2.00	0.671	1	1/23/2009	
o-Xylene	BQL	1.00	0.302	1	1/23/2009	

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	40.4	101

Comments:

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

SGS Environmental Services, Inc.

Results for Volatiles

by GC 602

Client Sample ID: USTAS527-DW06

Analyzed By: RSB

Client Project ID: CTO 013

Date Collected: 1/14/2009 11:25

Lab Sample ID: G649-100-8A

Date Received: 1/14/2009

Lab Project ID: G649-100

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	0.526	1.00	0.428	1	1/23/2009	J
Diisopropyl ether (DIPE)	BQL	1.00	0.391	1	1/23/2009	
Ethylbenzene	BQL	1.00	0.341	1	1/23/2009	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.778	1	1/23/2009	
Toluene	BQL	1.00	0.404	1	1/23/2009	
m/p-Xylene	BQL	2.00	0.671	1	1/23/2009	
o-Xylene	BQL	1.00	0.302	1	1/23/2009	

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	40.0	99.9

Comments:

All values corrected for dilution.

BQL = Below quantitation limit.

SGS Environmental Services, Inc.

Results for Volatiles

by GC 602

Client Sample ID: USTAS527-MW03

Analyzed By: RSB

Client Project ID: CTO 013

Date Collected: 1/13/2009 14:50

Lab Sample ID: G649-100-9A

Date Received: 1/14/2009

Lab Project ID: G649-100

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.177	1	1/21/2009	
Diisopropyl ether (DIPE)	BQL	1.00	0.253	1	1/21/2009	
Ethylbenzene	BQL	1.00	0.19	1	1/21/2009	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.306	1	1/21/2009	
Toluene	BQL	1.00	0.313	1	1/21/2009	
m/p-Xylene	BQL	2.00	0.481	1	1/21/2009	
o-Xylene	BQL	2.00	0.405	1	1/21/2009	

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	42.4	106

Comments:

All values corrected for dilution.

BQL = Below quantitation limit.

Results for Volatiles

by GC 602

Client Sample ID: USTAS527-MW04

Analyzed By: RSB

Client Project ID: CTO 013

Date Collected: 1/12/2009 14:10

Lab Sample ID: G649-100-10A

Date Received: 1/14/2009

Lab Project ID: G649-100

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.177	1	1/21/2009	
Diisopropyl ether (DIPE)	BQL	1.00	0.253	1	1/21/2009	
Ethylbenzene	BQL	1.00	0.19	1	1/21/2009	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.306	1	1/21/2009	
Toluene	BQL	1.00	0.313	1	1/21/2009	
m/p-Xylene	BQL	2.00	0.481	1	1/21/2009	
o-Xylene	BQL	2.00	0.405	1	1/21/2009	

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	41.8	104

Comments:

All values corrected for dilution.

BQL = Below quantitation limit.

SGS Environmental Services, Inc.

Results for Volatiles

by GC 602

Client Sample ID: USTAS527-MW09

Analyzed By: RSB

Client Project ID: CTO 013

Date Collected: 1/13/2009 13:35

Lab Sample ID: G649-100-11A

Date Received: 1/14/2009

Lab Project ID: G649-100

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.177	1	1/21/2009	
Diisopropyl ether (DIPE)	BQL	1.00	0.253	1	1/21/2009	
Ethylbenzene	BQL	1.00	0.19	1	1/21/2009	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.306	1	1/21/2009	
Toluene	BQL	1.00	0.313	1	1/21/2009	
m/p-Xylene	BQL	2.00	0.481	1	1/21/2009	
o-Xylene	BQL	2.00	0.405	1	1/21/2009	

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	42.4	106

Comments:

All values corrected for dilution.

BQL = Below quantitation limit.

SGS Environmental Services, Inc.

Results for Volatiles

by GC 602

Client Sample ID: USTAS527-MW13

Analyzed By: RSB

Client Project ID: CTO 013

Date Collected: 1/12/2009 14:50

Lab Sample ID: G649-100-12A

Date Received: 1/14/2009

Lab Project ID: G649-100

Matrix: Water

Analyte	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
Benzene	BQL	1.00	0.177	1	1/21/2009	
Diisopropyl ether (DIPE)	BQL	1.00	0.253	1	1/21/2009	
Ethylbenzene	BQL	1.00	0.19	1	1/21/2009	
Methyl-tert butyl ether (MTBE)	BQL	2.00	0.306	1	1/21/2009	
Toluene	BQL	1.00	0.313	1	1/21/2009	
m/p-Xylene	BQL	2.00	0.481	1	1/21/2009	
o-Xylene	BQL	2.00	0.405	1	1/21/2009	

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	41.5	104

Comments:

All values corrected for dilution.

BQL = Below quantitation limit.

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTRF-MW21
 Client Project ID: CTO 013
 Lab Sample ID: G649-100-1F
 Lab Project ID: G649-100

Analyzed By: DCS
 Date Collected: 1/12/2009 9:21
 Date Received: 1/14/2009
 Date Extracted: 1/19/2009
 Matrix: Water

Initial/Final Amt: 999 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	5.01	0.746	1	1/21/2009	
Acenaphthylene	BQL	5.01	0.746	1	1/21/2009	
Anthracene	BQL	5.01	0.876	1	1/21/2009	
Benzo[a]anthracene	BQL	5.01	0.681	1	1/21/2009	
Benzo[a]pyrene	BQL	5.01	0.636	1	1/21/2009	
Benzo[b]fluoranthene	BQL	5.01	0.716	1	1/21/2009	
Benzo[g,h,i]perylene	BQL	5.01	0.616	1	1/21/2009	
Benzo[k]fluoranthene	BQL	5.01	0.551	1	1/21/2009	
Bis(2-chloroethoxy)methane	BQL	5.01	1.03	1	1/21/2009	
Bis(2-chloroethyl)ether	BQL	5.01	1.04	1	1/21/2009	
Bis(2-chloroisopropyl)ether	BQL	5.01	0.976	1	1/21/2009	
Bis(2-ethylhexyl)phthalate	BQL	5.01	0.410	1	1/21/2009	
4-bromophenyl phenyl ether	BQL	5.01	0.781	1	1/21/2009	
Butylbenzylphthalate	BQL	5.01	0.445	1	1/21/2009	
2-Chloronaphthalene	BQL	5.01	0.866	1	1/21/2009	
2-Chlorophenol	BQL	5.01	1.17	1	1/21/2009	
4-Chloro-3-methylphenol	BQL	5.01	0.796	1	1/21/2009	
4-Chlorophenyl phenyl ether	BQL	5.01	3.26	1	1/21/2009	
Chrysene	BQL	5.01	0.556	1	1/21/2009	
Dibenzo[a,h]anthracene	BQL	5.01	0.440	1	1/21/2009	
Di-n-Butylphthalate	BQL	5.01	0.826	1	1/21/2009	
3,3'-Dichlorobenzidine	BQL	10.0	1.22	1	1/21/2009	
2,4-Dichlorophenol	BQL	5.01	1.12	1	1/21/2009	
Diethylphthalate	BQL	5.01	0.741	1	1/21/2009	
Dimethylphthalate	BQL	5.01	0.556	1	1/21/2009	
2,4-Dimethylphenol	BQL	5.01	1.62	1	1/21/2009	
Di-n-octylphthalate	BQL	5.01	0.581	1	1/21/2009	
4,6-Dinitro-2-methylphenol	BQL	25.0	0.551	1	1/21/2009	
2,4-Dinitrophenol	BQL	25.0	0.641	1	1/21/2009	
2,4-Dinitrotoluene	BQL	5.01	0.536	1	1/21/2009	
2,6-Dinitrotoluene	BQL	5.01	0.651	1	1/21/2009	
Diphenylamine *	BQL	5.01	0.571	1	1/21/2009	
Fluoranthene	BQL	5.01	0.706	1	1/21/2009	
Fluorene	BQL	5.01	0.726	1	1/21/2009	
Hexachlorobenzene	BQL	5.01	0.506	1	1/21/2009	
Hexachlorobutadiene	BQL	5.01	0.761	1	1/21/2009	
Hexachlorocyclopentadiene	BQL	10.0	10.0	1	1/21/2009	
Hexachloroethane	BQL	5.01	0.746	1	1/21/2009	
Indeno(1,2,3-c,d)pyrene	BQL	5.01	2.29	1	1/21/2009	
Isophorone	BQL	5.01	0.886	1	1/21/2009	
Naphthalene	BQL	5.01	0.911	1	1/21/2009	
Nitrobenzene	BQL	5.01	1.05	1	1/21/2009	
2-Nitrophenol	BQL	5.01	1.23	1	1/21/2009	
4-Nitrophenol	BQL	25.0	1.08	1	1/21/2009	
N-Nitrosodi-n-propylamine	BQL	5.01	1.50	1	1/21/2009	
Pentachlorophenol	BQL	25.0	1.42	1	1/21/2009	
Phenanthrene	BQL	5.01	0.445	1	1/21/2009	

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTRF-MW21
Client Project ID: CTO 013
Lab Sample ID: G649-100-1F
Lab Project ID: G649-100

Analyzed By: DCS
Date Collected: 1/12/2009 9:21
Date Received: 1/14/2009
Date Extracted: 1/19/2009
Matrix: Water

Initial/Final Amt: 999 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	5.01	1.06	1	1/21/2009	
Pyrene	BQL	5.01	2.07	1	1/21/2009	
1,2,4-Trichlorobenzene	BQL	5.01	0.721	1	1/21/2009	
2,4,6-Trichlorophenol	BQL	5.01	0.926	1	1/21/2009	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	9.3	93		
2-Fluorophenol		10	7.7	77		
Nitrobenzene-d5		10	10.6	106		
Phenol-d6		10	8.6	86		
2,4,6-Tribromophenol		10	7.8	78		
4-Terphenyl-d14		10	10	100		

Comments:

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

Flags:

BQL = Below Quantitation Limits.

J = Detected below the quantitation limit.

Reviewed By: 

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTRF-MW23
 Client Project ID: CTO 013
 Lab Sample ID: G649-100-2F
 Lab Project ID: G649-100

Analyzed By: DCS
 Date Collected: 1/12/2009 10:43
 Date Received: 1/14/2009
 Date Extracted: 1/19/2009
 Matrix: Water

Initial/Final Amt: 969 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	1.39	5.16	0.769	1	1/22/2009	J
Acenaphthylene	BQL	5.16	0.769	1	1/22/2009	
Anthracene	BQL	5.16	0.903	1	1/22/2009	
Benzo[a]anthracene	BQL	5.16	0.702	1	1/22/2009	
Benzo[a]pyrene	BQL	5.16	0.655	1	1/22/2009	
Benzo[b]fluoranthene	BQL	5.16	0.738	1	1/22/2009	
Benzo[g,h,i]perylene	BQL	5.16	0.635	1	1/22/2009	
Benzo[k]fluoranthene	BQL	5.16	0.568	1	1/22/2009	
Bis(2-chloroethoxy)methane	BQL	5.16	1.06	1	1/22/2009	
Bis(2-chloroethyl)ether	BQL	5.16	1.07	1	1/22/2009	
Bis(2-chloroisopropyl)ether	BQL	5.16	1.01	1	1/22/2009	
Bis(2-ethylhexyl)phthalate	BQL	5.16	0.423	1	1/22/2009	
4-bromophenyl phenyl ether	BQL	5.16	0.805	1	1/22/2009	
Butylbenzylphthalate	BQL	5.16	0.459	1	1/22/2009	
2-Chloronaphthalene	BQL	5.16	0.893	1	1/22/2009	
2-Chlorophenol	BQL	5.16	1.21	1	1/22/2009	
4-Chloro-3-methylphenol	BQL	5.16	0.820	1	1/22/2009	
4-Chlorophenyl phenyl ether	BQL	5.16	3.36	1	1/22/2009	
Chrysene	BQL	5.16	0.573	1	1/22/2009	
Dibenzo[a,h]anthracene	BQL	5.16	0.454	1	1/22/2009	
Di-n-Butylphthalate	BQL	5.16	0.851	1	1/22/2009	
3,3'-Dichlorobenzidine	BQL	10.3	1.26	1	1/22/2009	
2,4-Dichlorophenol	BQL	5.16	1.16	1	1/22/2009	
Diethylphthalate	BQL	5.16	0.764	1	1/22/2009	
Dimethylphthalate	BQL	5.16	0.573	1	1/22/2009	
2,4-Dimethylphenol	BQL	5.16	1.67	1	1/22/2009	
Di-n-octylphthalate	BQL	5.16	0.599	1	1/22/2009	
4,6-Dinitro-2-methylphenol	BQL	25.8	0.568	1	1/22/2009	
2,4-Dinitrophenol	BQL	25.8	0.660	1	1/22/2009	
2,4-Dinitrotoluene	BQL	5.16	0.552	1	1/22/2009	
2,6-Dinitrotoluene	BQL	5.16	0.671	1	1/22/2009	
Diphenylamine *	BQL	5.16	0.588	1	1/22/2009	
Fluoranthene	BQL	5.16	0.728	1	1/22/2009	
Fluorene	0.826	5.16	0.748	1	1/22/2009	J
Hexachlorobenzene	BQL	5.16	0.521	1	1/22/2009	
Hexachlorobutadiene	BQL	5.16	0.784	1	1/22/2009	
Hexachlorocyclopentadiene	BQL	10.3	10.3	1	1/22/2009	
Hexachloroethane	BQL	5.16	0.769	1	1/22/2009	
Indeno(1,2,3-c,d)pyrene	BQL	5.16	2.36	1	1/22/2009	
Isophorone	BQL	5.16	0.913	1	1/22/2009	
Naphthalene	55.2	5.16	0.939	1	1/22/2009	
Nitrobenzene	BQL	5.16	1.08	1	1/22/2009	
2-Nitrophenol	BQL	5.16	1.27	1	1/22/2009	
4-Nitrophenol	BQL	25.8	1.11	1	1/22/2009	
N-Nitrosodi-n-propylamine	BQL	5.16	1.55	1	1/22/2009	
Pentachlorophenol	BQL	25.8	1.46	1	1/22/2009	
Phenanthrene	BQL	5.16	0.459	1	1/22/2009	

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTRF-MW23
Client Project ID: CTO 013
Lab Sample ID: G649-100-2F
Lab Project ID: G649-100

Analyzed By: DCS
Date Collected: 1/12/2009 10:43
Date Received: 1/14/2009
Date Extracted: 1/19/2009
Matrix: Water

Initial/Final Amt: 969 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	5.16	1.09	1	1/22/2009	
Pyrene	BQL	5.16	2.13	1	1/22/2009	
1,2,4-Trichlorobenzene	BQL	5.16	0.743	1	1/22/2009	
2,4,6-Trichlorophenol	BQL	5.16	0.955	1	1/22/2009	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	9	90		
2-Fluorophenol		10	8.2	82		
Nitrobenzene-d5		10	10.5	105		
Phenol-d6		10	8.8	88		
2,4,6-Tribromophenol		10	8.1	81		
4-Terphenyl-d14		10	9.4	94		

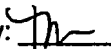
Comments:

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

Flags:

BQL = Below Quantitation Limits.

J = Detected below the quantitation limit.

Reviewed By: 

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTRF-MW04G
 Client Project ID: CTO 013
 Lab Sample ID: G649-100-3F
 Lab Project ID: G649-100

Analyzed By: DCS
 Date Collected: 1/13/2009 16:45
 Date Received: 1/14/2009
 Date Extracted: 1/20/2009
 Matrix: Water

Initial/Final Amt: 899 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	5.56	0.829	1	1/23/2009	
Acenaphthylene	BQL	5.56	0.829	1	1/23/2009	
Anthracene	BQL	5.56	0.973	1	1/23/2009	
Benzo[a]anthracene	BQL	5.56	0.756	1	1/23/2009	
Benzo[a]pyrene	BQL	5.56	0.706	1	1/23/2009	
Benzo[b]fluoranthene	BQL	5.56	0.795	1	1/23/2009	
Benzo[g,h,i]perylene	BQL	5.56	0.684	1	1/23/2009	
Benzo[k]fluoranthene	BQL	5.56	0.612	1	1/23/2009	
Bis(2-chloroethoxy)methane	BQL	5.56	1.15	1	1/23/2009	
Bis(2-chloroethyl)ether	BQL	5.56	1.16	1	1/23/2009	
Bis(2-chloroisopropyl)ether	BQL	5.56	1.08	1	1/23/2009	
Bis(2-ethylhexyl)phthalate	BQL	5.56	0.456	1	1/23/2009	
4-bromophenyl phenyl ether	BQL	5.56	0.868	1	1/23/2009	
Butylbenzylphthalate	BQL	5.56	0.495	1	1/23/2009	
2-Chloronaphthalene	BQL	5.56	0.962	1	1/23/2009	
2-Chlorophenol	BQL	5.56	1.30	1	1/23/2009	
4-Chloro-3-methylphenol	BQL	5.56	0.884	1	1/23/2009	
4-Chlorophenyl phenyl ether	BQL	5.56	3.62	1	1/23/2009	
Chrysene	BQL	5.56	0.617	1	1/23/2009	
Dibenzo[a,h]anthracene	BQL	5.56	0.489	1	1/23/2009	
Di-n-Butylphthalate	BQL	5.56	0.918	1	1/23/2009	
3,3'-Dichlorobenzidine	BQL	11.1	1.36	1	1/23/2009	
2,4-Dichlorophenol	BQL	5.56	1.25	1	1/23/2009	
Diethylphthalate	BQL	5.56	0.823	1	1/23/2009	
Dimethylphthalate	BQL	5.56	0.617	1	1/23/2009	
2,4-Dimethylphenol	BQL	5.56	1.80	1	1/23/2009	
Di-n-octylphthalate	BQL	5.56	0.645	1	1/23/2009	
4,6-Dinitro-2-methylphenol	BQL	27.8	0.612	1	1/23/2009	
2,4-Dinitrophenol	BQL	27.8	0.712	1	1/23/2009	
2,4-Dinitrotoluene	BQL	5.56	0.595	1	1/23/2009	
2,6-Dinitrotoluene	BQL	5.56	0.723	1	1/23/2009	
Diphenylamine *	BQL	5.56	0.634	1	1/23/2009	
Fluoranthene	BQL	5.56	0.784	1	1/23/2009	
Fluorene	BQL	5.56	0.806	1	1/23/2009	
Hexachlorobenzene	BQL	5.56	0.562	1	1/23/2009	
Hexachlorobutadiene	BQL	5.56	0.845	1	1/23/2009	
Hexachlorocyclopentadiene	BQL	11.1	11.1	1	1/23/2009	
Hexachloroethane	BQL	5.56	0.829	1	1/23/2009	
Indeno(1,2,3-c,d)pyrene	BQL	5.56	2.54	1	1/23/2009	
Isophorone	BQL	5.56	0.984	1	1/23/2009	
Naphthalene	BQL	5.56	1.01	1	1/23/2009	
Nitrobenzene	BQL	5.56	1.17	1	1/23/2009	
2-Nitrophenol	BQL	5.56	1.37	1	1/23/2009	
4-Nitrophenol	BQL	27.8	1.20	1	1/23/2009	
N-Nitrosodi-n-propylamine	BQL	5.56	1.67	1	1/23/2009	
Pentachlorophenol	BQL	27.8	1.57	1	1/23/2009	
Phenanthrene	BQL	5.56	0.495	1	1/23/2009	

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: USTRF-MW04G
 Client Project ID: CTO 013
 Lab Sample ID: G649-100-3F
 Lab Project ID: G649-100

Analyzed By: DCS
 Date Collected: 1/13/2009 16:45
 Date Received: 1/14/2009
 Date Extracted: 1/20/2009
 Matrix: Water

Initial/Final Amt: 899 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	5.56	1.18	1	1/23/2009	
Pyrene	BQL	5.56	2.30	1	1/23/2009	
1,2,4-Trichlorobenzene	BQL	5.56	0.801	1	1/23/2009	
2,4,6-Trichlorophenol	BQL	5.56	1.03	1	1/23/2009	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	9.2	92		
2-Fluorophenol		10	8.4	84		
Nitrobenzene-d5		10	10.5	105		
Phenol-d6		10	9.4	94		
2,4,6-Tribromophenol		10	8.6	86		
4-Terphenyl-d14		10	9.4	94		

Comments:

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

Flags:

BQL = Below Quantitation Limits.

J = Detected below the quantitation limit.

Reviewed By: 

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTRF-MW05G
 Client Project ID: CTO 013
 Lab Sample ID: G649-100-4F
 Lab Project ID: G649-100

Analyzed By: DCS
 Date Collected: 1/13/2009 13:25
 Date Received: 1/14/2009
 Date Extracted: 1/20/2009
 Matrix: Water

Initial/Final Amt: 992 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	5.04	0.751	1	1/23/2009	
Acenaphthylene	BQL	5.04	0.751	1	1/23/2009	
Anthracene	BQL	5.04	0.882	1	1/23/2009	
Benzo[a]anthracene	BQL	5.04	0.685	1	1/23/2009	
Benzo[a]pyrene	BQL	5.04	0.640	1	1/23/2009	
Benzo[b]fluoranthene	BQL	5.04	0.721	1	1/23/2009	
Benzo[g,h,i]perylene	BQL	5.04	0.620	1	1/23/2009	
Benzo[k]fluoranthene	BQL	5.04	0.554	1	1/23/2009	
Bis(2-chloroethoxy)methane	BQL	5.04	1.04	1	1/23/2009	
Bis(2-chloroethyl)ether	BQL	5.04	1.05	1	1/23/2009	
Bis(2-chloroisopropyl)ether	BQL	5.04	0.983	1	1/23/2009	
Bis(2-ethylhexyl)phthalate	0.907	5.04	0.413	1	1/23/2009	J
4-bromophenyl phenyl ether	BQL	5.04	0.786	1	1/23/2009	
Butylbenzylphthalate	BQL	5.04	0.449	1	1/23/2009	
2-Chloronaphthalene	BQL	5.04	0.872	1	1/23/2009	
2-Chlorophenol	BQL	5.04	1.18	1	1/23/2009	
4-Chloro-3-methylphenol	BQL	5.04	0.801	1	1/23/2009	
4-Chlorophenyl phenyl ether	BQL	5.04	3.28	1	1/23/2009	
Chrysene	BQL	5.04	0.559	1	1/23/2009	
Dibenzo[a,h]anthracene	BQL	5.04	0.444	1	1/23/2009	
Di-n-Butylphthalate	BQL	5.04	0.832	1	1/23/2009	
3,3'-Dichlorobenzidine	BQL	10.1	1.23	1	1/23/2009	
2,4-Dichlorophenol	BQL	5.04	1.13	1	1/23/2009	
Diethylphthalate	BQL	5.04	0.746	1	1/23/2009	
Dimethylphthalate	BQL	5.04	0.559	1	1/23/2009	
2,4-Dimethylphenol	BQL	5.04	1.63	1	1/23/2009	
Di-n-octylphthalate	BQL	5.04	0.585	1	1/23/2009	
4,6-Dinitro-2-methylphenol	BQL	25.2	0.554	1	1/23/2009	
2,4-Dinitrophenol	BQL	25.2	0.645	1	1/23/2009	
2,4-Dinitrotoluene	BQL	5.04	0.539	1	1/23/2009	
2,6-Dinitrotoluene	BQL	5.04	0.655	1	1/23/2009	
Diphenylamine *	BQL	5.04	0.575	1	1/23/2009	
Fluoranthene	BQL	5.04	0.711	1	1/23/2009	
Fluorene	BQL	5.04	0.731	1	1/23/2009	
Hexachlorobenzene	BQL	5.04	0.509	1	1/23/2009	
Hexachlorobutadiene	BQL	5.04	0.766	1	1/23/2009	
Hexachlorocyclopentadiene	BQL	10.1	10.1	1	1/23/2009	
Hexachloroethane	BQL	5.04	0.751	1	1/23/2009	
Indeno(1,2,3-c,d)pyrene	BQL	5.04	2.30	1	1/23/2009	
Isophorone	BQL	5.04	0.892	1	1/23/2009	
Naphthalene	36.8	5.04	0.917	1	1/23/2009	
Nitrobenzene	BQL	5.04	1.06	1	1/23/2009	
2-Nitrophenol	BQL	5.04	1.24	1	1/23/2009	
4-Nitrophenol	BQL	25.2	1.09	1	1/23/2009	
N-Nitrosodi-n-propylamine	BQL	5.04	1.51	1	1/23/2009	
Pentachlorophenol	BQL	25.2	1.43	1	1/23/2009	
Phenanthrene	BQL	5.04	0.449	1	1/23/2009	

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTRF-MW05G
Client Project ID: CTO 013
Lab Sample ID: G649-100-4F
Lab Project ID: G649-100

Analyzed By: DCS
Date Collected: 1/13/2009 13:25
Date Received: 1/14/2009
Date Extracted: 1/20/2009
Matrix: Water

Initial/Final Amt: 992 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	5.04	1.07	1	1/23/2009	
Pyrene	BQL	5.04	2.08	1	1/23/2009	
1,2,4-Trichlorobenzene	BQL	5.04	0.726	1	1/23/2009	
2,4,6-Trichlorophenol	BQL	5.04	0.932	1	1/23/2009	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	8.3	83		
2-Fluorophenol		10	7.4	74		
Nitrobenzene-d5		10	9.6	96		
Phenol-d6		10	8.2	82		
2,4,6-Tribromophenol		10	8.3	83		
4-Terphenyl-d14		10	8.7	87		

Comments:

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

Flags:

BQL = Below Quantitation Limits.

J = Detected below the quantitation limit.

Reviewed By: 

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTRF-DUPLICATE 3
 Client Project ID: CTO 013
 Lab Sample ID: G649-100-5F
 Lab Project ID: G649-100

Analyzed By: DCS
 Date Collected:
 Date Received: 1/14/2009
 Date Extracted: 1/20/2009
 Matrix: Water

Initial/Final Amt: 929 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	5.38	0.802	1	1/24/2009	
Acenaphthylene	BQL	5.38	0.802	1	1/24/2009	
Anthracene	BQL	5.38	0.942	1	1/24/2009	
Benzo[a]anthracene	BQL	5.38	0.732	1	1/24/2009	
Benzo[a]pyrene	BQL	5.38	0.684	1	1/24/2009	
Benzo[b]fluoranthene	BQL	5.38	0.770	1	1/24/2009	
Benzo[g,h,i]perylene	BQL	5.38	0.662	1	1/24/2009	
Benzo[k]fluoranthene	BQL	5.38	0.592	1	1/24/2009	
Bis(2-chloroethoxy)methane	BQL	5.38	1.11	1	1/24/2009	
Bis(2-chloroethyl)ether	BQL	5.38	1.12	1	1/24/2009	
Bis(2-chloroisopropyl)ether	BQL	5.38	1.05	1	1/24/2009	
Bis(2-ethylhexyl)phthalate	0.538	5.38	0.441	1	1/24/2009	J
4-bromophenyl phenyl ether	BQL	5.38	0.840	1	1/24/2009	
Butylbenzylphthalate	BQL	5.38	0.479	1	1/24/2009	
2-Chloronaphthalene	BQL	5.38	0.931	1	1/24/2009	
2-Chlorophenol	BQL	5.38	1.26	1	1/24/2009	
4-Chloro-3-methylphenol	BQL	5.38	0.856	1	1/24/2009	
4-Chlorophenyl phenyl ether	BQL	5.38	3.50	1	1/24/2009	
Chrysene	BQL	5.38	0.597	1	1/24/2009	
Dibenzo[a,h]anthracene	BQL	5.38	0.474	1	1/24/2009	
Di-n-Butylphthalate	BQL	5.38	0.888	1	1/24/2009	
3,3'-Dichlorobenzidine	BQL	10.8	1.31	1	1/24/2009	
2,4-Dichlorophenol	BQL	5.38	1.21	1	1/24/2009	
Diethylphthalate	BQL	5.38	0.797	1	1/24/2009	
Dimethylphthalate	BQL	5.38	0.597	1	1/24/2009	
2,4-Dimethylphenol	BQL	5.38	1.74	1	1/24/2009	
Di-n-octylphthalate	BQL	5.38	0.624	1	1/24/2009	
4,6-Dinitro-2-methylphenol	BQL	26.9	0.592	1	1/24/2009	
2,4-Dinitrophenol	BQL	26.9	0.689	1	1/24/2009	
2,4-Dinitrotoluene	BQL	5.38	0.576	1	1/24/2009	
2,6-Dinitrotoluene	BQL	5.38	0.700	1	1/24/2009	
Diphenylamine *	BQL	5.38	0.614	1	1/24/2009	
Fluoranthene	BQL	5.38	0.759	1	1/24/2009	
Fluorene	BQL	5.38	0.780	1	1/24/2009	
Hexachlorobenzene	BQL	5.38	0.544	1	1/24/2009	
Hexachlorobutadiene	BQL	5.38	0.818	1	1/24/2009	
Hexachlorocyclopentadiene	BQL	10.8	10.8	1	1/24/2009	
Hexachloroethane	BQL	5.38	0.802	1	1/24/2009	
Indeno(1,2,3-c,d)pyrene	BQL	5.38	2.46	1	1/24/2009	
Isophorone	BQL	5.38	0.953	1	1/24/2009	
Naphthalene	BQL	5.38	0.980	1	1/24/2009	
Nitrobenzene	BQL	5.38	1.13	1	1/24/2009	
2-Nitrophenol	BQL	5.38	1.32	1	1/24/2009	
4-Nitrophenol	BQL	26.9	1.16	1	1/24/2009	
N-Nitrosodi-n-propylamine	BQL	5.38	1.61	1	1/24/2009	
Pentachlorophenol	BQL	26.9	1.52	1	1/24/2009	
Phenanthrene	BQL	5.38	0.479	1	1/24/2009	

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTRF-DUPLICATE 3
Client Project ID: CTO 013
Lab Sample ID: G649-100-5F
Lab Project ID: G649-100

Analyzed By: DCS
Date Collected:
Date Received: 1/14/2009
Date Extracted: 1/20/2009
Matrix: Water

Initial/Final Amt: 929 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	5.38	1.14	1	1/24/2009	
Pyrene	BQL	5.38	2.22	1	1/24/2009	
1,2,4-Trichlorobenzene	BQL	5.38	0.775	1	1/24/2009	
2,4,6-Trichlorophenol	BQL	5.38	0.996	1	1/24/2009	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	9.3	93		
2-Fluorophenol		10	8.1	81		
Nitrobenzene-d5		10	10.1	101		
Phenol-d6		10	8.8	88		
2,4,6-Tribromophenol		10	8.2	82		
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: DN

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS527-DW02
 Client Project ID: CTO 013
 Lab Sample ID: G649-100-6F
 Lab Project ID: G649-100

Analyzed By: DCS
 Date Collected: 1/14/2009 12:50
 Date Received: 1/14/2009
 Date Extracted: 1/20/2009
 Matrix: Water

Initial/Final Amt: 983 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	5.09	0.758	1	1/24/2009	
Acenaphthylene	BQL	5.09	0.758	1	1/24/2009	
Anthracene	BQL	5.09	0.890	1	1/24/2009	
Benzo[a]anthracene	BQL	5.09	0.692	1	1/24/2009	
Benzo[a]pyrene	BQL	5.09	0.646	1	1/24/2009	
Benzo[b]fluoranthene	BQL	5.09	0.727	1	1/24/2009	
Benzo[g,h,i]perylene	BQL	5.09	0.626	1	1/24/2009	
Benzo[k]fluoranthene	BQL	5.09	0.560	1	1/24/2009	
Bis(2-chloroethoxy)methane	BQL	5.09	1.05	1	1/24/2009	
Bis(2-chloroethyl)ether	BQL	5.09	1.06	1	1/24/2009	
Bis(2-chloroisopropyl)ether	BQL	5.09	0.992	1	1/24/2009	
Bis(2-ethylhexyl)phthalate	0.509	5.09	0.417	1	1/24/2009	J
4-bromophenyl phenyl ether	BQL	5.09	0.793	1	1/24/2009	
Butylbenzylphthalate	BQL	5.09	0.453	1	1/24/2009	
2-Chloronaphthalene	BQL	5.09	0.880	1	1/24/2009	
2-Chlorophenol	BQL	5.09	1.19	1	1/24/2009	
4-Chloro-3-methylphenol	BQL	5.09	0.809	1	1/24/2009	
4-Chlorophenyl phenyl ether	BQL	5.09	3.31	1	1/24/2009	
Chrysene	BQL	5.09	0.565	1	1/24/2009	
Dibenzo[a,h]anthracene	BQL	5.09	0.448	1	1/24/2009	
Di-n-Butylphthalate	BQL	5.09	0.839	1	1/24/2009	
3,3'-Dichlorobenzidine	BQL	10.2	1.24	1	1/24/2009	
2,4-Dichlorophenol	BQL	5.09	1.14	1	1/24/2009	
Diethylphthalate	BQL	5.09	0.753	1	1/24/2009	
Dimethylphthalate	BQL	5.09	0.565	1	1/24/2009	
2,4-Dimethylphenol	BQL	5.09	1.65	1	1/24/2009	
Di-n-octylphthalate	BQL	5.09	0.590	1	1/24/2009	
4,6-Dinitro-2-methylphenol	BQL	25.4	0.560	1	1/24/2009	
2,4-Dinitrophenol	BQL	25.4	0.651	1	1/24/2009	
2,4-Dinitrotoluene	BQL	5.09	0.544	1	1/24/2009	
2,6-Dinitrotoluene	BQL	5.09	0.661	1	1/24/2009	
Diphenylamine *	BQL	5.09	0.580	1	1/24/2009	
Fluoranthene	BQL	5.09	0.717	1	1/24/2009	
Fluorene	BQL	5.09	0.738	1	1/24/2009	
Hexachlorobenzene	BQL	5.09	0.514	1	1/24/2009	
Hexachlorobutadiene	BQL	5.09	0.773	1	1/24/2009	
Hexachlorocyclopentadiene	BQL	10.2	10.2	1	1/24/2009	
Hexachloroethane	BQL	5.09	0.758	1	1/24/2009	
Indeno(1,2,3-c,d)pyrene	BQL	5.09	2.32	1	1/24/2009	
Isophorone	BQL	5.09	0.900	1	1/24/2009	
Naphthalene	166	50.9	9.26	10	1/28/2009	
Nitrobenzene	BQL	5.09	1.07	1	1/24/2009	
2-Nitrophenol	BQL	5.09	1.25	1	1/24/2009	
4-Nitrophenol	BQL	25.4	1.10	1	1/24/2009	
N-Nitrosodi-n-propylamine	BQL	5.09	1.53	1	1/24/2009	
Pentachlorophenol	BQL	25.4	1.44	1	1/24/2009	
Phenanthrene	BQL	5.09	0.453	1	1/24/2009	

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS527-DW02
Client Project ID: CTO 013
Lab Sample ID: G649-100-6F
Lab Project ID: G649-100

Analyzed By: DCS
Date Collected: 1/14/2009 12:50
Date Received: 1/14/2009
Date Extracted: 1/20/2009
Matrix: Water

Initial/Final Amt: 983 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	5.09	1.08	1	1/24/2009	
Pyrene	BQL	5.09	2.10	1	1/24/2009	
1,2,4-Trichlorobenzene	BQL	5.09	0.732	1	1/24/2009	
2,4,6-Trichlorophenol	BQL	5.09	0.941	1	1/24/2009	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	7.7	77		
2-Fluorophenol		10	7.1	71		
Nitrobenzene-d5		10	9.1	91		
Phenol-d6		10	7.8	78		
2,4,6-Tribromophenol		10	8.8	88		
4-Terphenyl-d14		10	8.2	82		

Comments:

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

Flags:

BQL = Below Quantitation Limits.

J = Detected below the quantitation limit.

Reviewed By: 

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS527-DW05
 Client Project ID: CTO 013
 Lab Sample ID: G649-100-7F
 Lab Project ID: G649-100

Analyzed By: DCS
 Date Collected: 1/14/2009 13:36
 Date Received: 1/14/2009
 Date Extracted: 1/20/2009
 Matrix: Water

Initial/Final Amt: 975 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	5.13	0.764	1	1/24/2009	
Acenaphthylene	BQL	5.13	0.764	1	1/24/2009	
Anthracene	BQL	5.13	0.897	1	1/24/2009	
Benzo[a]anthracene	BQL	5.13	0.697	1	1/24/2009	
Benzo[a]pyrene	BQL	5.13	0.651	1	1/24/2009	
Benzo[b]fluoranthene	BQL	5.13	0.733	1	1/24/2009	
Benzo[g,h,i]perylene	BQL	5.13	0.631	1	1/24/2009	
Benzo[k]fluoranthene	BQL	5.13	0.564	1	1/24/2009	
Bis(2-chloroethoxy)methane	BQL	5.13	1.06	1	1/24/2009	
Bis(2-chloroethyl)ether	BQL	5.13	1.07	1	1/24/2009	
Bis(2-chloroisopropyl)ether	BQL	5.13	1.00	1	1/24/2009	
Bis(2-ethylhexyl)phthalate	BQL	5.13	0.421	1	1/24/2009	
4-bromophenyl phenyl ether	BQL	5.13	0.800	1	1/24/2009	
Butylbenzylphthalate	BQL	5.13	0.456	1	1/24/2009	
2-Chloronaphthalene	BQL	5.13	0.887	1	1/24/2009	
2-Chlorophenol	BQL	5.13	1.20	1	1/24/2009	
4-Chloro-3-methylphenol	BQL	5.13	0.815	1	1/24/2009	
4-Chlorophenyl phenyl ether	BQL	5.13	3.34	1	1/24/2009	
Chrysene	BQL	5.13	0.569	1	1/24/2009	
Dibenzo[a,h]anthracene	BQL	5.13	0.451	1	1/24/2009	
Di-n-Butylphthalate	BQL	5.13	0.846	1	1/24/2009	
3,3'-Dichlorobenzidine	BQL	10.3	1.25	1	1/24/2009	
2,4-Dichlorophenol	BQL	5.13	1.15	1	1/24/2009	
Diethylphthalate	BQL	5.13	0.759	1	1/24/2009	
Dimethylphthalate	BQL	5.13	0.569	1	1/24/2009	
2,4-Dimethylphenol	BQL	5.13	1.66	1	1/24/2009	
Di-n-octylphthalate	BQL	5.13	0.595	1	1/24/2009	
4,6-Dinitro-2-methylphenol	BQL	25.6	0.564	1	1/24/2009	
2,4-Dinitrophenol	BQL	25.6	0.656	1	1/24/2009	
2,4-Dinitrotoluene	BQL	5.13	0.549	1	1/24/2009	
2,6-Dinitrotoluene	BQL	5.13	0.667	1	1/24/2009	
Diphenylamine *	BQL	5.13	0.585	1	1/24/2009	
Fluoranthene	BQL	5.13	0.723	1	1/24/2009	
Fluorene	BQL	5.13	0.744	1	1/24/2009	
Hexachlorobenzene	BQL	5.13	0.518	1	1/24/2009	
Hexachlorobutadiene	BQL	5.13	0.779	1	1/24/2009	
Hexachlorocyclopentadiene	BQL	10.3	10.3	1	1/24/2009	
Hexachloroethane	BQL	5.13	0.764	1	1/24/2009	
Indeno(1,2,3-c,d)pyrene	BQL	5.13	2.34	1	1/24/2009	
Isophorone	BQL	5.13	0.908	1	1/24/2009	
Naphthalene	BQL	5.13	0.933	1	1/24/2009	
Nitrobenzene	BQL	5.13	1.08	1	1/24/2009	
2-Nitrophenol	BQL	5.13	1.26	1	1/24/2009	
4-Nitrophenol	BQL	25.6	1.11	1	1/24/2009	
N-Nitrosodi-n-propylamine	BQL	5.13	1.54	1	1/24/2009	
Pentachlorophenol	BQL	25.6	1.45	1	1/24/2009	
Phenanthrene	BQL	5.13	0.456	1	1/24/2009	

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS527-DW05
Client Project ID: CTO 013
Lab Sample ID: G649-100-7F
Lab Project ID: G649-100

Analyzed By: DCS
Date Collected: 1/14/2009 13:36
Date Received: 1/14/2009
Date Extracted: 1/20/2009
Matrix: Water

Initial/Final Amt: 975 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	5.13	1.09	1	1/24/2009	
Pyrene	BQL	5.13	2.12	1	1/24/2009	
1,2,4-Trichlorobenzene	BQL	5.13	0.738	1	1/24/2009	
2,4,6-Trichlorophenol	BQL	5.13	0.949	1	1/24/2009	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	8.4	84		
2-Fluorophenol		10	7.3	73		
Nitrobenzene-d5		10	9.3	93		
Phenol-d6		10	8.1	81		
2,4,6-Tribromophenol		10	7.7	77		
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: 

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS527-DW06
Client Project ID: CTO 013
Lab Sample ID: G649-100-8F
Lab Project ID: G649-100

Analyzed By: DCS
Date Collected: 1/14/2009 11:25
Date Received: 1/14/2009
Date Extracted: 1/20/2009
Matrix: Water

Initial/Final Amt: 988 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	5.06	0.754	1	1/24/2009	
Acenaphthylene	BQL	5.06	0.754	1	1/24/2009	
Anthracene	BQL	5.06	0.886	1	1/24/2009	
Benzo[a]anthracene	BQL	5.06	0.688	1	1/24/2009	
Benzo[a]pyrene	BQL	5.06	0.643	1	1/24/2009	
Benzo[b]fluoranthene	BQL	5.06	0.724	1	1/24/2009	
Benzo[g,h,i]perylene	BQL	5.06	0.622	1	1/24/2009	
Benzo[k]fluoranthene	BQL	5.06	0.557	1	1/24/2009	
Bis(2-chloroethoxy)methane	BQL	5.06	1.04	1	1/24/2009	
Bis(2-chloroethyl)ether	BQL	5.06	1.05	1	1/24/2009	
Bis(2-chloroisopropyl)ether	BQL	5.06	0.987	1	1/24/2009	
Bis(2-ethylhexyl)phthalate	BQL	5.06	0.415	1	1/24/2009	
4-bromophenyl phenyl ether	BQL	5.06	0.789	1	1/24/2009	
Butylbenzylphthalate	BQL	5.06	0.450	1	1/24/2009	
2-Chloronaphthalene	BQL	5.06	0.876	1	1/24/2009	
2-Chlorophenol	BQL	5.06	1.18	1	1/24/2009	
4-Chloro-3-methylphenol	BQL	5.06	0.805	1	1/24/2009	
4-Chlorophenyl phenyl ether	BQL	5.06	3.29	1	1/24/2009	
Chrysene	BQL	5.06	0.562	1	1/24/2009	
Dibenzo[a,h]anthracene	BQL	5.06	0.445	1	1/24/2009	
Di-n-Butylphthalate	BQL	5.06	0.835	1	1/24/2009	
3,3'-Dichlorobenzidine	BQL	10.1	1.23	1	1/24/2009	
2,4-Dichlorophenol	BQL	5.06	1.13	1	1/24/2009	
Diethylphthalate	BQL	5.06	0.749	1	1/24/2009	
Dimethylphthalate	BQL	5.06	0.562	1	1/24/2009	
2,4-Dimethylphenol	BQL	5.06	1.64	1	1/24/2009	
Di-n-octylphthalate	BQL	5.06	0.587	1	1/24/2009	
4,6-Dinitro-2-methylphenol	BQL	25.3	0.557	1	1/24/2009	
2,4-Dinitrophenol	BQL	25.3	0.648	1	1/24/2009	
2,4-Dinitrotoluene	BQL	5.06	0.541	1	1/24/2009	
2,6-Dinitrotoluene	BQL	5.06	0.658	1	1/24/2009	
Diphenylamine *	BQL	5.06	0.577	1	1/24/2009	
Fluoranthene	BQL	5.06	0.714	1	1/24/2009	
Fluorene	BQL	5.06	0.734	1	1/24/2009	
Hexachlorobenzene	BQL	5.06	0.511	1	1/24/2009	
Hexachlorobutadiene	BQL	5.06	0.769	1	1/24/2009	
Hexachlorocyclopentadiene	BQL	10.1	10.1	1	1/24/2009	
Hexachloroethane	BQL	5.06	0.754	1	1/24/2009	
Indeno(1,2,3-c,d)pyrene	BQL	5.06	2.31	1	1/24/2009	
Isophorone	BQL	5.06	0.896	1	1/24/2009	
Naphthalene	BQL	5.06	0.921	1	1/24/2009	
Nitrobenzene	BQL	5.06	1.06	1	1/24/2009	
2-Nitrophenol	BQL	5.06	1.24	1	1/24/2009	
4-Nitrophenol	BQL	25.3	1.09	1	1/24/2009	
N-Nitrosodi-n-propylamine	BQL	5.06	1.52	1	1/24/2009	
Pentachlorophenol	BQL	25.3	1.43	1	1/24/2009	
Phenanthrene	BQL	5.06	0.450	1	1/24/2009	

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS527-DW06
Client Project ID: CTO 013
Lab Sample ID: G649-100-8F
Lab Project ID: G649-100

Analyzed By: DCS
Date Collected: 1/14/2009 11:25
Date Received: 1/14/2009
Date Extracted: 1/20/2009
Matrix: Water

Initial/Final Amt: 988 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	5.06	1.07	1	1/24/2009	
Pyrene	BQL	5.06	2.09	1	1/24/2009	
1,2,4-Trichlorobenzene	BQL	5.06	0.729	1	1/24/2009	
2,4,6-Trichlorophenol	BQL	5.06	0.936	1	1/24/2009	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	9.2	92		
2-Fluorophenol		10	8	80		
Nitrobenzene-d5		10	9.9	99		
Phenol-d6		10	8.7	87		
2,4,6-Tribromophenol		10	8.2	82		
4-Terphenyl-d14		10	9	90		

Comments:

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

Flags:

BQL = Below Quantitation Limits.

J = Detected below the quantitation limit.

Reviewed By: 

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS527-MW03
Client Project ID: CTO 013
Lab Sample ID: G649-100-9F
Lab Project ID: G649-100

Analyzed By: DCS
Date Collected: 1/13/2009 14:50
Date Received: 1/14/2009
Date Extracted: 1/20/2009
Matrix: Water

Initial/Final Amt: 969 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	5.16	0.769	1	1/24/2009	
Acenaphthylene	BQL	5.16	0.769	1	1/24/2009	
Anthracene	BQL	5.16	0.903	1	1/24/2009	
Benzo[a]anthracene	BQL	5.16	0.702	1	1/24/2009	
Benzo[a]pyrene	BQL	5.16	0.655	1	1/24/2009	
Benzo[b]fluoranthene	BQL	5.16	0.738	1	1/24/2009	
Benzo[g,h,i]perylene	BQL	5.16	0.635	1	1/24/2009	
Benzo[k]fluoranthene	BQL	5.16	0.568	1	1/24/2009	
Bis(2-chloroethoxy)methane	BQL	5.16	1.06	1	1/24/2009	
Bis(2-chloroethyl)ether	BQL	5.16	1.07	1	1/24/2009	
Bis(2-chloroisopropyl)ether	BQL	5.16	1.01	1	1/24/2009	
Bis(2-ethylhexyl)phthalate	BQL	5.16	0.423	1	1/24/2009	
4-bromophenyl phenyl ether	BQL	5.16	0.805	1	1/24/2009	
Butylbenzylphthalate	BQL	5.16	0.459	1	1/24/2009	
2-Chloronaphthalene	BQL	5.16	0.893	1	1/24/2009	
2-Chlorophenol	BQL	5.16	1.21	1	1/24/2009	
4-Chloro-3-methylphenol	BQL	5.16	0.820	1	1/24/2009	
4-Chlorophenyl phenyl ether	BQL	5.16	3.36	1	1/24/2009	
Chrysene	BQL	5.16	0.573	1	1/24/2009	
Dibenzo[a,h]anthracene	BQL	5.16	0.454	1	1/24/2009	
Di-n-Butylphthalate	BQL	5.16	0.851	1	1/24/2009	
3,3'-Dichlorobenzidine	BQL	10.3	1.26	1	1/24/2009	
2,4-Dichlorophenol	BQL	5.16	1.16	1	1/24/2009	
Diethylphthalate	BQL	5.16	0.764	1	1/24/2009	
Dimethylphthalate	BQL	5.16	0.573	1	1/24/2009	
2,4-Dimethylphenol	BQL	5.16	1.67	1	1/24/2009	
Di-n-octylphthalate	BQL	5.16	0.599	1	1/24/2009	
4,6-Dinitro-2-methylphenol	BQL	25.8	0.568	1	1/24/2009	
2,4-Dinitrophenol	BQL	25.8	0.660	1	1/24/2009	
2,4-Dinitrotoluene	BQL	5.16	0.552	1	1/24/2009	
2,6-Dinitrotoluene	BQL	5.16	0.671	1	1/24/2009	
Diphenylamine *	BQL	5.16	0.588	1	1/24/2009	
Fluoranthene	BQL	5.16	0.728	1	1/24/2009	
Fluorene	BQL	5.16	0.748	1	1/24/2009	
Hexachlorobenzene	BQL	5.16	0.521	1	1/24/2009	
Hexachlorobutadiene	BQL	5.16	0.784	1	1/24/2009	
Hexachlorocyclopentadiene	BQL	10.3	10.3	1	1/24/2009	
Hexachloroethane	BQL	5.16	0.769	1	1/24/2009	
Indeno(1,2,3-c,d)pyrene	BQL	5.16	2.36	1	1/24/2009	
Isophorone	BQL	5.16	0.913	1	1/24/2009	
Naphthalene	BQL	5.16	0.939	1	1/24/2009	
Nitrobenzene	BQL	5.16	1.08	1	1/24/2009	
2-Nitrophenol	BQL	5.16	1.27	1	1/24/2009	
4-Nitrophenol	BQL	25.8	1.11	1	1/24/2009	
N-Nitrosodi-n-propylamine	BQL	5.16	1.55	1	1/24/2009	
Pentachlorophenol	BQL	25.8	1.46	1	1/24/2009	
Phenanthrene	BQL	5.16	0.459	1	1/24/2009	

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS527-MW03
Client Project ID: CTO 013
Lab Sample ID: G649-100-9F
Lab Project ID: G649-100

Analyzed By: DCS
Date Collected: 1/13/2009 14:50
Date Received: 1/14/2009
Date Extracted: 1/20/2009
Matrix: Water

Initial/Final Amt: 969 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	5.16	1.09	1	1/24/2009	
Pyrene	BQL	5.16	2.13	1	1/24/2009	
1,2,4-Trichlorobenzene	BQL	5.16	0.743	1	1/24/2009	
2,4,6-Trichlorophenol	BQL	5.16	0.955	1	1/24/2009	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	8.6	86		
2-Fluorophenol		10	6.6	66		
Nitrobenzene-d5		10	9.3	93		
Phenol-d6		10	7.7	77		
2,4,6-Tribromophenol		10	7.8	78		
4-Terphenyl-d14		10	9.1	91		

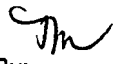
Comments:

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

Flags:

BQL = Below Quantitation Limits.

J = Detected below the quantitation limit.

Reviewed By:  _____

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS527-MW04
 Client Project ID: CTO 013
 Lab Sample ID: G649-100-10F
 Lab Project ID: G649-100

Analyzed By: DCS
 Date Collected: 1/12/2009 14:10
 Date Received: 1/14/2009
 Date Extracted: 1/19/2009
 Matrix: Water

Initial/Final Amt: 978 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	5.11	0.762	1	1/22/2009	
Acenaphthylene	BQL	5.11	0.762	1	1/22/2009	
Anthracene	BQL	5.11	0.895	1	1/22/2009	
Benzo[a]anthracene	BQL	5.11	0.695	1	1/22/2009	
Benzo[a]pyrene	BQL	5.11	0.649	1	1/22/2009	
Benzo[b]fluoranthene	BQL	5.11	0.731	1	1/22/2009	
Benzo[g,h,i]perylene	BQL	5.11	0.629	1	1/22/2009	
Benzo[k]fluoranthene	BQL	5.11	0.562	1	1/22/2009	
Bis(2-chloroethoxy)methane	BQL	5.11	1.05	1	1/22/2009	
Bis(2-chloroethyl)ether	BQL	5.11	1.06	1	1/22/2009	
Bis(2-chloroisopropyl)ether	BQL	5.11	0.997	1	1/22/2009	
Bis(2-ethylhexyl)phthalate	BQL	5.11	0.419	1	1/22/2009	
4-bromophenyl phenyl ether	BQL	5.11	0.798	1	1/22/2009	
Butylbenzylphthalate	BQL	5.11	0.455	1	1/22/2009	
2-Chloronaphthalene	BQL	5.11	0.884	1	1/22/2009	
2-Chlorophenol	BQL	5.11	1.20	1	1/22/2009	
4-Chloro-3-methylphenol	BQL	5.11	0.813	1	1/22/2009	
4-Chlorophenyl phenyl ether	BQL	5.11	3.33	1	1/22/2009	
Chrysene	BQL	5.11	0.567	1	1/22/2009	
Dibenzo[a,h]anthracene	BQL	5.11	0.450	1	1/22/2009	
Di-n-Butylphthalate	BQL	5.11	0.844	1	1/22/2009	
3,3'-Dichlorobenzidine	BQL	10.2	1.25	1	1/22/2009	
2,4-Dichlorophenol	BQL	5.11	1.15	1	1/22/2009	
Diethylphthalate	BQL	5.11	0.757	1	1/22/2009	
Dimethylphthalate	BQL	5.11	0.567	1	1/22/2009	
2,4-Dimethylphenol	BQL	5.11	1.66	1	1/22/2009	
Di-n-octylphthalate	BQL	5.11	0.593	1	1/22/2009	
4,6-Dinitro-2-methylphenol	BQL	25.6	0.562	1	1/22/2009	
2,4-Dinitrophenol	BQL	25.6	0.654	1	1/22/2009	
2,4-Dinitrotoluene	BQL	5.11	0.547	1	1/22/2009	
2,6-Dinitrotoluene	BQL	5.11	0.665	1	1/22/2009	
Diphenylamine *	BQL	5.11	0.583	1	1/22/2009	
Fluoranthene	BQL	5.11	0.721	1	1/22/2009	
Fluorene	BQL	5.11	0.741	1	1/22/2009	
Hexachlorobenzene	BQL	5.11	0.516	1	1/22/2009	
Hexachlorobutadiene	BQL	5.11	0.777	1	1/22/2009	
Hexachlorocyclopentadiene	BQL	10.2	10.2	1	1/22/2009	
Hexachloroethane	BQL	5.11	0.762	1	1/22/2009	
Indeno(1,2,3-c,d)pyrene	BQL	5.11	2.34	1	1/22/2009	
Isophorone	BQL	5.11	0.905	1	1/22/2009	
Naphthalene	BQL	5.11	0.930	1	1/22/2009	
Nitrobenzene	BQL	5.11	1.07	1	1/22/2009	
2-Nitrophenol	BQL	5.11	1.26	1	1/22/2009	
4-Nitrophenol	BQL	25.6	1.10	1	1/22/2009	
N-Nitrosodi-n-propylamine	BQL	5.11	1.53	1	1/22/2009	
Pentachlorophenol	BQL	25.6	1.45	1	1/22/2009	
Phenanthrene	BQL	5.11	0.455	1	1/22/2009	

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS527-MW04
Client Project ID: CTO 013
Lab Sample ID: G649-100-10F
Lab Project ID: G649-100

Analyzed By: DCS
Date Collected: 1/12/2009 14:10
Date Received: 1/14/2009
Date Extracted: 1/19/2009
Matrix: Water

Initial/Final Amt: 978 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	5.11	1.08	1	1/22/2009	
Pyrene	BQL	5.11	2.11	1	1/22/2009	
1,2,4-Trichlorobenzene	BQL	5.11	0.736	1	1/22/2009	
2,4,6-Trichlorophenol	BQL	5.11	0.946	1	1/22/2009	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	8.8	88		
2-Fluorophenol		10	6.3	63		
Nitrobenzene-d5		10	9.4	94		
Phenol-d6		10	7.4	74		
2,4,6-Tribromophenol		10	7.5	75		
4-Terphenyl-d14		10	9.7	97		

Comments:

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

Flags:

BQL = Below Quantitation Limits.

J = Detected below the quantitation limit.

Reviewed By: 

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS527-MW09
 Client Project ID: CTO 013
 Lab Sample ID: G649-100-11F
 Lab Project ID: G649-100

Analyzed By: DCS
 Date Collected: 1/13/2009 13:35
 Date Received: 1/14/2009
 Date Extracted: 1/20/2009
 Matrix: Water

Initial/Final Amt: 971 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	5.15	0.767	1	1/24/2009	
Acenaphthylene	BQL	5.15	0.767	1	1/24/2009	
Anthracene	BQL	5.15	0.901	1	1/24/2009	
Benzo[a]anthracene	BQL	5.15	0.700	1	1/24/2009	
Benzo[a]pyrene	BQL	5.15	0.654	1	1/24/2009	
Benzo[b]fluoranthene	BQL	5.15	0.736	1	1/24/2009	
Benzo[g,h,i]perylene	BQL	5.15	0.633	1	1/24/2009	
Benzo[k]fluoranthene	BQL	5.15	0.566	1	1/24/2009	
Bis(2-chloroethoxy)methane	BQL	5.15	1.06	1	1/24/2009	
Bis(2-chloroethyl)ether	BQL	5.15	1.07	1	1/24/2009	
Bis(2-chloroisopropyl)ether	BQL	5.15	1.00	1	1/24/2009	
Bis(2-ethylhexyl)phthalate	BQL	5.15	0.422	1	1/24/2009	
4-bromophenyl phenyl ether	BQL	5.15	0.803	1	1/24/2009	
Butylbenzylphthalate	BQL	5.15	0.458	1	1/24/2009	
2-Chloronaphthalene	BQL	5.15	0.891	1	1/24/2009	
2-Chlorophenol	BQL	5.15	1.20	1	1/24/2009	
4-Chloro-3-methylphenol	BQL	5.15	0.819	1	1/24/2009	
4-Chlorophenyl phenyl ether	BQL	5.15	3.35	1	1/24/2009	
Chrysene	BQL	5.15	0.572	1	1/24/2009	
Dibenzo[a,h]anthracene	BQL	5.15	0.453	1	1/24/2009	
Di-n-Butylphthalate	BQL	5.15	0.850	1	1/24/2009	
3,3'-Dichlorobenzidine	BQL	10.3	1.26	1	1/24/2009	
2,4-Dichlorophenol	BQL	5.15	1.15	1	1/24/2009	
Diethylphthalate	BQL	5.15	0.762	1	1/24/2009	
Dimethylphthalate	BQL	5.15	0.572	1	1/24/2009	
2,4-Dimethylphenol	BQL	5.15	1.67	1	1/24/2009	
Di-n-octylphthalate	BQL	5.15	0.597	1	1/24/2009	
4,6-Dinitro-2-methylphenol	BQL	25.7	0.566	1	1/24/2009	
2,4-Dinitrophenol	BQL	25.7	0.659	1	1/24/2009	
2,4-Dinitrotoluene	BQL	5.15	0.551	1	1/24/2009	
2,6-Dinitrotoluene	BQL	5.15	0.669	1	1/24/2009	
Diphenylamine *	BQL	5.15	0.587	1	1/24/2009	
Fluoranthene	BQL	5.15	0.726	1	1/24/2009	
Fluorene	BQL	5.15	0.747	1	1/24/2009	
Hexachlorobenzene	BQL	5.15	0.520	1	1/24/2009	
Hexachlorobutadiene	BQL	5.15	0.783	1	1/24/2009	
Hexachlorocyclopentadiene	BQL	10.3	10.3	1	1/24/2009	
Hexachloroethane	BQL	5.15	0.767	1	1/24/2009	
Indeno(1,2,3-c,d)pyrene	BQL	5.15	2.35	1	1/24/2009	
Isophorone	BQL	5.15	0.911	1	1/24/2009	
Naphthalene	BQL	5.15	0.937	1	1/24/2009	
Nitrobenzene	BQL	5.15	1.08	1	1/24/2009	
2-Nitrophenol	BQL	5.15	1.27	1	1/24/2009	
4-Nitrophenol	BQL	25.7	1.11	1	1/24/2009	
N-Nitrosodi-n-propylamine	BQL	5.15	1.54	1	1/24/2009	
Pentachlorophenol	BQL	25.7	1.46	1	1/24/2009	
Phenanthrene	BQL	5.15	0.458	1	1/24/2009	

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS527-MW09
Client Project ID: CTO 013
Lab Sample ID: G649-100-11F
Lab Project ID: G649-100

Analyzed By: DCS
Date Collected: 1/13/2009 13:35
Date Received: 1/14/2009
Date Extracted: 1/20/2009
Matrix: Water

Initial/Final Amt: 971 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	5.15	1.09	1	1/24/2009	
Pyrene	BQL	5.15	2.13	1	1/24/2009	
1,2,4-Trichlorobenzene	BQL	5.15	0.742	1	1/24/2009	
2,4,6-Trichlorophenol	BQL	5.15	0.953	1	1/24/2009	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	8.8	88		
2-Fluorophenol		10	7	70		
Nitrobenzene-d5		10	9.5	95		
Phenol-d6		10	7.9	79		
2,4,6-Tribromophenol		10	7.1	71		
4-Terphenyl-d14		10	8.9	89		

Comments:

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

Flags:

BQL = Below Quantitation Limits.

J = Detected below the quantitation limit.

Reviewed By: 

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS527-MW13
 Client Project ID: CTO 013
 Lab Sample ID: G649-100-12F
 Lab Project ID: G649-100

Analyzed By: DCS
 Date Collected: 1/12/2009 14:50
 Date Received: 1/14/2009
 Date Extracted: 1/19/2009
 Matrix: Water

Initial/Final Amt: 991 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	5.05	0.752	1	1/22/2009	
Acenaphthylene	BQL	5.05	0.752	1	1/22/2009	
Anthracene	BQL	5.05	0.883	1	1/22/2009	
Benzo[a]anthracene	BQL	5.05	0.686	1	1/22/2009	
Benzo[a]pyrene	BQL	5.05	0.641	1	1/22/2009	
Benzo[b]fluoranthene	BQL	5.05	0.721	1	1/22/2009	
Benzo[g,h,i]perylene	BQL	5.05	0.621	1	1/22/2009	
Benzo[k]fluoranthene	BQL	5.05	0.555	1	1/22/2009	
Bis(2-chloroethoxy)methane	BQL	5.05	1.04	1	1/22/2009	
Bis(2-chloroethyl)ether	BQL	5.05	1.05	1	1/22/2009	
Bis(2-chloroisopropyl)ether	BQL	5.05	0.984	1	1/22/2009	
Bis(2-ethylhexyl)phthalate	BQL	5.05	0.414	1	1/22/2009	
4-bromophenyl phenyl ether	BQL	5.05	0.787	1	1/22/2009	
Butylbenzylphthalate	BQL	5.05	0.449	1	1/22/2009	
2-Chloronaphthalene	BQL	5.05	0.873	1	1/22/2009	
2-Chlorophenol	BQL	5.05	1.18	1	1/22/2009	
4-Chloro-3-methylphenol	BQL	5.05	0.802	1	1/22/2009	
4-Chlorophenyl phenyl ether	BQL	5.05	3.28	1	1/22/2009	
Chrysene	BQL	5.05	0.560	1	1/22/2009	
Dibenzo[a,h]anthracene	BQL	5.05	0.444	1	1/22/2009	
Di-n-Butylphthalate	BQL	5.05	0.832	1	1/22/2009	
3,3'-Dichlorobenzidine	BQL	10.1	1.23	1	1/22/2009	
2,4-Dichlorophenol	BQL	5.05	1.13	1	1/22/2009	
Diethylphthalate	BQL	5.05	0.747	1	1/22/2009	
Dimethylphthalate	BQL	5.05	0.560	1	1/22/2009	
2,4-Dimethylphenol	BQL	5.05	1.63	1	1/22/2009	
Di-n-octylphthalate	BQL	5.05	0.585	1	1/22/2009	
4,6-Dinitro-2-methylphenol	BQL	25.2	0.555	1	1/22/2009	
2,4-Dinitrophenol	BQL	25.2	0.646	1	1/22/2009	
2,4-Dinitrotoluene	BQL	5.05	0.540	1	1/22/2009	
2,6-Dinitrotoluene	BQL	5.05	0.656	1	1/22/2009	
Diphenylamine *	BQL	5.05	0.575	1	1/22/2009	
Fluoranthene	BQL	5.05	0.711	1	1/22/2009	
Fluorene	BQL	5.05	0.732	1	1/22/2009	
Hexachlorobenzene	BQL	5.05	0.510	1	1/22/2009	
Hexachlorobutadiene	BQL	5.05	0.767	1	1/22/2009	
Hexachlorocyclopentadiene	BQL	10.1	10.1	1	1/22/2009	
Hexachloroethane	BQL	5.05	0.752	1	1/22/2009	
Indeno(1,2,3-c,d)pyrene	BQL	5.05	2.31	1	1/22/2009	
Isophorone	BQL	5.05	0.893	1	1/22/2009	
Naphthalene	BQL	5.05	0.918	1	1/22/2009	
Nitrobenzene	BQL	5.05	1.06	1	1/22/2009	
2-Nitrophenol	BQL	5.05	1.24	1	1/22/2009	
4-Nitrophenol	BQL	25.2	1.09	1	1/22/2009	
N-Nitrosodi-n-propylamine	BQL	5.05	1.51	1	1/22/2009	
Pentachlorophenol	BQL	25.2	1.43	1	1/22/2009	
Phenanthrene	BQL	5.05	0.449	1	1/22/2009	

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS527-MW13
Client Project ID: CTO 013
Lab Sample ID: G649-100-12F
Lab Project ID: G649-100

Analyzed By: DCS
Date Collected: 1/12/2009 14:50
Date Received: 1/14/2009
Date Extracted: 1/19/2009
Matrix: Water

Initial/Final Amt: 991 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Phenol	BQL	5.05	1.07	1	1/22/2009	
Pyrene	BQL	5.05	2.08	1	1/22/2009	
1,2,4-Trichlorobenzene	BQL	5.05	0.727	1	1/22/2009	
2,4,6-Trichlorophenol	BQL	5.05	0.933	1	1/22/2009	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	8.9	89		
2-Fluorophenol		10	6.6	66		
Nitrobenzene-d5		10	9.6	96		
Phenol-d6		10	7.8	78		
2,4,6-Tribromophenol		10	8	80		
4-Terphenyl-d14		10	9.8	98		

Comments:

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

Flags:

BQL = Below Quantitation Limits.

J = Detected below the quantitation limit.

Reviewed By: 

Results of Library Search for Semivolatile Compounds
by GCMS

Client Sample ID: USTRF-MW21
Client Project ID: CTO 013
Lab Sample ID: G649-100-1F
Lab Project ID: G649-100
Sample Wt/Vol: 999 ML
Dilution: 1

Analyzed By: DES
Date Collected: 1/12/2009 9:21
Date Received: 1/14/2009
Date Extracted: 1/19/2009
Date Analyzed: 1/21/2009
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result ug/L

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 of Library Search for Semivolatile Compounds
by GCMS

Client Sample ID: USTRF-MW23
Client Project ID: CTO 013
Lab Sample ID: G649-100-2F
Lab Project ID: G649-100
Sample Wt/Vol: 969 ML
Dilution: 1

Analyzed By: DES
Date Collected: 1/12/2009 10:43
Date Received: 1/14/2009
Date Extracted: 1/19/2009
Date Analyzed: 1/22/2009
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result ug/L
1	Benzene, 1,2,3,5-tetramethyl-	4.58	527-53-7	94	13.3
2	Benzene, 1,2-diethyl-	4.10	135-01-3	94	14.1
3	Benzene, 1,3-diethyl-	4.16	141-93-5	95	13.6
4	Methylpropylbenzene, Isomer of	4.83			3.67
5	Propenylbenzene, Isomer of	4.04			16.9
6	Aromatic, Unknown	4.92			13.3
7	Naphthalene, 1,5-dimethyl-	6.56	571-61-9	98	13.7
8	Naphthalene, 2,3-dimethyl-	6.53	581-40-8	98	18
9	Naphthalene, 2,6-dimethyl-	6.46	581-42-0	98	20

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 of Library Search for Semivolatile Compounds
by GCMS

Client Sample ID: USTRF-MW04G
Client Project ID: CTO 013
Lab Sample ID: G649-100-3F
Lab Project ID: G649-100
Sample Wt/Vol: 899 ML
Dilution: 1

Analyzed By: DES
Date Collected: 1/13/2009 16:45
Date Received: 1/14/2009
Date Extracted: 1/20/2009
Date Analyzed: 1/23/2009
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result ug/L
1	Unknown	5.74			3.54
2	Aromatic, Unknown	4.70			4.66
3	Aromatic, Unknown	4.42			3.46
4	Unknown	4.55			4.58
5	Unknown	6.60			2.52
6	Unknown	4.78			2.81
7	Aromatic, Unknown	5.09			2.59

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: UD

Results of Library Search for Semivolatile Compounds
by GCMS

Client Sample ID: USTRF-MW05G
Client Project ID: CTO 013
Lab Sample ID: G649-100-4F
Lab Project ID: G649-100
Sample Wt/Vol: 992 ML
Dilution: 1

Analyzed By: DES
Date Collected: 1/13/2009 13:25
Date Received: 1/14/2009
Date Extracted: 1/20/2009
Date Analyzed: 1/23/2009
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result ug/L
1	Unknown	4.79			2.72

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 of Library Search for Semivolatile Compounds
by GCMS

Client Sample ID: USTRF-DUPLICATE 3

Client Project ID: CTO 013

Lab Sample ID: G649-100-5F

Lab Project ID: G649-100

Sample Wt/Vol: 929 ML

Dilution: 1

Analyzed By: DES

Date Collected:

Date Received: 1/14/2009

Date Extracted: 1/20/2009

Date Analyzed: 1/24/2009

Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result ug/L
1	Aromatic, Unknown	4.71			4.84
2	Aromatic, Unknown	4.42			3.6
3	Aromatic, Unknown	4.79			2.99
4	Unknown	5.74			4.07
5	Unknown	4.55			3.96
6	Unknown	6.60			2.96
7	Aromatic, Unknown	5.72			2.82

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: CR

Results of Library Search for Semivolatile Compounds
by GCMS

Client Sample ID: USTAS527-DW02
Client Project ID: CTO 013
Lab Sample ID: G649-100-6F
Lab Project ID: G649-100
Sample Wt/Vol: 983 ML
Dilution: 1

Analyzed By: DES
Date Collected: 1/14/2009 12:50
Date Received: 1/14/2009
Date Extracted: 1/20/2009
Date Analyzed: 1/24/2009
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result ug/L
1	Unknown	7.36			77.8
2	Unknown	6.65			67.9
3	Benzene, 1,2,3,4-tetramethyl-	4.57	488-23-3	94	6.63
4	Benzene, 1,3-diethyl-	4.12	141-93-5	97	57.1
5	Benzene, 1,4-diethyl-	4.12	105-05-5	97	12.9
6	Aromatic, Unknown	7.14			59.6
7	Methylpropylbenzene, Isomer of	4.79			16
8	Aromatic, Unknown	4.54			66.1
9	Propenylbenzene, Isomer of	4.01			7.77
10	Benzene, 4-ethyl-1,2-dimethyl-	4.26	934-80-5	96	6.89

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 of Library Search for Semivolatile Compounds
by GCMS

Client Sample ID: USTAS527-DW05
Client Project ID: CTO 013
Lab Sample ID: G649-100-7F
Lab Project ID: G649-100
Sample Wt/Vol: 975 ML
Dilution: 1

Analyzed By: DES
Date Collected: 1/14/2009 13:36
Date Received: 1/14/2009
Date Extracted: 1/20/2009
Date Analyzed: 1/24/2009
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result ug/L
1	Unknown	4.55			2.27

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 of Library Search for Semivolatile Compounds
by GCMS

Client Sample ID: USTAS527-DW06

Client Project ID: CTO 013

Lab Sample ID: G649-100-8F

Lab Project ID: G649-100

Sample Wt/Vol: 988 ML

Dilution: 1

Analyzed By: DES

Date Collected: 1/14/2009 11:25

Date Received: 1/14/2009

Date Extracted: 1/20/2009

Date Analyzed: 1/24/2009

Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result ug/L
1	Unknown	6.99			2.17
2	Unknown	6.53			2.36
3	Unknown	4.55			2.43
4	Unknown	6.38			2.27
5	Unknown	4.76			2.63

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 of Library Search for Semivolatile Compounds by GCMS

Client Sample ID: USTAS527-MW03
Client Project ID: CTO 013
Lab Sample ID: G649-100-9F
Lab Project ID: G649-100
Sample Wt/Vol: 969 ML
Dilution: 1

Analyzed By: DES
Date Collected: 1/13/2009 14:50
Date Received: 1/14/2009
Date Extracted: 1/20/2009
Date Analyzed: 1/24/2009
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result ug/L
1	Benzoic acid, 2,4-dimethyl-	5.97	611-01-8	95	8.34
2	Unknown	6.97			2.42

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 of Library Search for Semivolatile Compounds
by GCMS

Client Sample ID: USTAS527-MW04
Client Project ID: CTO 013
Lab Sample ID: G649-100-10F
Lab Project ID: G649-100
Sample Wt/Vol: 978 ML
Dilution: 1

Analyzed By: DES
Date Collected: 1/12/2009 14:10
Date Received: 1/14/2009
Date Extracted: 1/19/2009
Date Analyzed: 1/22/2009
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result ug/L

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: CD

Results of Library Search for Semivolatile Compounds
by GCMS

Client Sample ID: USTAS527-MW09
Client Project ID: CTO 013
Lab Sample ID: G649-100-11F
Lab Project ID: G649-100
Sample Wt/Vol: 971 ML
Dilution: 1

Analyzed By: DES
Date Collected: 1/13/2009 13:35
Date Received: 1/14/2009
Date Extracted: 1/20/2009
Date Analyzed: 1/24/2009
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result ug/L

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 of Library Search for Semivolatile Compounds
by GCMS

Client Sample ID: USTAS527-MW13
Client Project ID: CTO 013
Lab Sample ID: G649-100-12F
Lab Project ID: G649-100
Sample Wt/Vol: 991 ML
Dilution: 1

Analyzed By: DES
Date Collected: 1/12/2009 14:50
Date Received: 1/14/2009
Date Extracted: 1/19/2009
Date Analyzed: 1/22/2009
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result ug/L
1	Aromatic, Unknown	4.82			2.96
2	Alkane, Unknown	7.25			2.5
3	Alkane, Unknown	7.89			2.16
4	Unknown	10.70			3.45
5	Alkane, Unknown	8.82			2.32

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: 