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Final Groundwater Monitoring Report for the 2005 Sampling Events

Old Navy Fuel Farm
Naval Air Station
Brunswick, Maine

Engineering Field Activity, Northeast

Naval Facilities Engineering Command

Contract Number N62472-02-D-0810

Contract Task Order 0016

July 2006

FINAL GROUNDWATER MONITORING REPORT FOR THE 2005 SAMPLING EVENTS

OLD NAVY FUEL FARM
NAVAL AIR STATION
BRUNSWICK, MAINE

ENVIRONMENTAL OPERATION AND MAINTENANCE CONTRACT

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1.0 INTRODUCTION

Under Contract No. N62472-02-D-0810, Engineering Field Activity Northeast, Naval Facilities Engineering Command issued Contract Task Order No. 0016 to ECC to conduct groundwater monitoring at the Old Navy Fuel Farm (ONFF), Naval Air Station (NAS) Brunswick, Maine. NAS Brunswick is located south of the Androscoggin River and south of Route 1 between Routes 24 and 123. NAS Brunswick is an active base, owned and operated by the Federal Government through the Department of the Navy. The ONFF site is located on the northeast portion of NAS Brunswick (Figure 1-1).

A Groundwater Monitoring Plan (EA 2000a) was developed to support the Navy's overall strategy for remediation at the ONFF at NAS Brunswick. The ONFF has petroleum-impacted soil and groundwater. A remedial action was completed in fall 2000 during which approximately 15,000 tons of petroleum-impacted soil was removed by the Navy's Remedial Action Contractor, Foster Wheeler Environmental Corporation. The monitoring program was implemented to evaluate the effectiveness of the removal action in achieving cleanup goals. This report summarizes the March and October 2005 ground water sampling events that were completed to monitor groundwater concentrations of petroleum impacts.

1.1 SITE DESCRIPTION

The ONFF is located on the northeast portion of NAS Brunswick (Figure 1-1), and is bounded by Avenue B to the south, 6th Street to the west, and by undeveloped land to the north and east (Figure 2-1). The topography of the area is characterized as flat and exhibits little relief. Surface grade consists of two newly constructed baseball fields, grass, and paved access roads. The ball fields were constructed during the construction seasons of 2002 and 2003. The site is located greater than 2,000 ft from the Brunswick public water supply wells. The shallow aquifer onsite, which has been determined to be impacted by petroleum, is not used as a potable water supply source.

1.2 SITE GEOLOGIC CONDITIONS

Previous hydrogeologic investigations (O'Brien & Gere Engineers, Inc. 1990, 1992) revealed that the site is underlain by a sandy deposit (Upper Sand), which is continuous and underlain by a glacio-marine silty clay deposit (designated as the Presumpscot Formation by the Maine Geologic Survey). The sandy deposit thickness ranges from 2.5 to 9.0 ft with thicker zones located at the northwest section of the site. The groundwater table occurs in the sandy zone, and groundwater flow is generally to the southeast, parallel to the surface drainage.

1.3 HISTORICAL PETROLEUM BULK STORAGE AND ENVIRONMENTAL INVESTIGATION SUMMARY

Prior to decommissioning in 1993, the ONFF consisted of two separate petroleum bulk storage tank farms which, together, included nine mounded underground storage tanks (USTs).

The older, western tank farm included five USTs, previously identified as USTs T-101 through T-105. USTs T-101, T-102, and T-103 were 100,000-gal capacity tanks used for storage of

petroleum sludge, unleaded gasoline, and aviation gasoline, respectively. At some time prior to April 1990, USTs T-101 through T-103 were taken out of service. USTs T-104 and T-105 were both 25,000-gal capacity tanks used for storage of ethylene glycol. The newer, eastern Fuel Farm, included four USTs, previously identified as USTs T-202 through T-205. Each of these USTs was 567,000-gal capacity tanks used for storage of JP-5. All USTs, piping, and associated appurtenances were removed during facility decommissioning completed in 1993.

Previous environmental investigations (O'Brien & Gere Engineers, Inc. 1990, 1992) identified a dissolved-phase hydrocarbon plume located in the east central portion of the ONFF (east of 7th Street) which appeared to originate in the vicinity of former JP-5 UST T-202. This plume previously extended downgradient from the former location of T-202 toward the south-southeast and consisted primarily of benzene, toluene, ethylbenzene, and xylene (BTEX) compounds. In November 1991, a supplemental groundwater investigation confirmed the presence of this dissolved-phase hydrocarbon plume (O'Brien & Gere Engineers, Inc. 1992).

In October and November 1993, HRP Associates, Inc., of Plainville, Connecticut, completed a groundwater investigation at the ONFF following facility decommissioning and associated UST removals, with the exception of T-202 and T-203 (HRP Associates, Inc. 1993). The results of these groundwater investigations indicated that the dissolved-phase BTEX plume located in the eastern Fuel Farm had exhibited a significant reduction in total BTEX concentrations with little or no indication of plume migration. The extent of the dissolved-phase BTEX plume did not exhibit significant change from April 1990 to October-November 1993. However, the maximum dissolved-phase BTEX concentration decreased from greater than 20,000 μg/L in 1990 to 4,777 μg/L in 1993, with similar reductions in dissolved-phase BTEX concentrations throughout the plume area. These observations document that significant natural attenuation of petroleum hydrocarbons at the ONFF has occurred.

It should be noted that groundwater samples collected by both O'Brien & Gere Engineers, Inc. and HRP Associates, Inc. during the period of 1990-1993 indicated the presence of a separate, dissolved-phase hydrocarbon release area in the western Fuel Farm (west of 7th Street). However, insufficient samples were collected to delineate the extent of the western dissolved phase hydrocarbon plume at these times.

1.4 SUMMARY OF REMEDIAL PROGRAMS AT THE OLD NAVY FUEL FARM

Remedial programs completed at the ONFF include the following:

- Operation of an existing soil vapor extraction/air sparging system as a biosparging system (i.e., low-flow air injection without vapor extraction) during the period of August 1996 - December 1998

- Active soil vapor extraction/air sparging system operation (with groundwater recovery) during March-July 1999

- Biosparging system operation during September 1999 - August 2000

- Remedial excavation of residual source area soils during September-November 2000.

The following sections provide brief summaries of each remedial program outlined above.

1.4.1 Biosparging System Operation (August 1996 - December 1998)

A soil vapor extraction/air sparging system for remediation of vadose and saturated zone hydrocarbon contamination at the ONFF was designed by HRP Associates, Inc. OHM, Inc. completed soil vapor extraction/air sparging system installation in early 1996. In June 1996, a pre-start investigation was conducted, during which time it was found that the water table elevation was at or above the level of the lateral soil vapor extraction intake screens, preventing operation of the soil vapor extraction system. Since effective operation of the soil vapor extraction system was not possible, the Navy obtained approval from the Maine Department of Environmental Protection (MEDEP) to operate the system as a biosparging system to enhance *in situ* biodegradation of petroleum hydrocarbons. The ONFF biosparging system was activated on 8 August 1996 with the injection of compressed air into both lateral soil vapor extraction screens and air sparging wells throughout the eastern and western dissolved-phase plume areas.

The biosparging system was operated until December 1998, at which point the system was de-activated to allow completion of system modifications for soil vapor extraction operations. Based on a comparison of groundwater samples collected prior to, and following, this biosparging period (i.e., 7-8 August 1996 baseline sampling event and 15-18 June 1999 sampling event, respectively), a measurable reduction in both the extent and concentration of dissolved phase BTEX concentrations was exhibited throughout the ONFF. This observation is supported by 5 additional groundwater sampling events, conducted bi-annually during the biosparging system operational period (EA 1997a, 1997b, 1998a, 1998b, 2000b).

1.4.2 Soil Vapor Extraction/Air Sparging System Operation (March-July 1999)

In an effort to increase the effectiveness of active remedial operations at the ONFF, modifications were made to allow operation of the soil vapor extraction system (which had previously been inoperable due to elevated water table conditions). The modifications included installation of a dual-phase extraction and separation system and were completed during the period of October 1998 - March 1999. The soil vapor extraction/air sparging system was activated on 9 March 1999 and continued operation until 16 July 1999, when the vapor-phase granular activated carbon emission treatment system became saturated. During the active soil vapor extraction/air sparging period, approximately 600 lb of petroleum hydrocarbons were removed from the site (EA 2000a). Additional *in situ* treatment (i.e., biodegradation) due to enhanced oxygen delivery (both from active air sparging and vadose zone air entrainment) is likely to have occurred but was not quantified.

Following the rapid saturation of the vapor-phase granular activated carbon emission treatment system, the Navy performed an economic analysis of various remedial alternatives and identified excavation of residual source area soils followed by natural attenuation as the most suitable remedial strategy for the ONFF. During the interim period prior to remedial soil excavation (i.e., September 1999 - September 2000), the biosparging system was re-activated.

1.4.3 Remedial Soil Excavation Program

From 9 August to 2 September 1999, a direct-push investigation was completed to delineate the remaining petroleum-impacted source areas and to identify remedial excavation target areas (EA 2000c). The results of the direct-push investigation were used to identify areas for subsequent test pit excavation completed by Foster Wheeler Environmental Corporation, Inc. (Foster Wheeler 2001). Based on the results of the direct-push and test pit sampling programs, excavation target areas were identified.

During the period of 11 September to 7 November 2000, Foster Wheeler Environmental Corporation removed approximately 14,677 tons of petroleum-impacted soil from the ONFF site. Confirmatory sampling results of the excavation bottom and sidewall samples indicated that residual petroleum-impacted soil remains onsite at concentrations ranging from non-detect to 840 mg/kg total petroleum hydrocarbon (TPH) (reported as cumulative TPH-diesel range organic [DRO] and TPH-gasoline range organic [GRO]).

During the test pitting and soil excavation process, the existing soil vapor extraction/air sparging system field components were either removed from the site or abandoned in-place. Existing monitoring wells and well points located within the ONFF fence line were decommissioned during 23-30 April 2001 in accordance with MEDEP Solid Waste Management Rules (EA 2001). Therefore, groundwater sampling events conducted after 30 April 2001 include only monitoring wells located down gradient of the ONFF fence line. These monitoring wells assess the potential for offsite migration of dissolved-phase petroleum compounds.

1.5 GROUNDWATER SAMPLING EVENTS

Following completion of the remedial soil excavation program, groundwater samples have been collected from monitoring wells located downgradient from the ONFF fence line for eleven events between December 2000 and October 2005 to monitor reductions of petroleum impacts to groundwater. This report presents the monitoring data from the March groundwater sampling event (Round 10) completed at the ONFF from 7 to 14 March 2005 and the October groundwater sampling event (Round 11) completed at the ONFF from 04 to 08 October 2005.

1.6 REPORT ORGANIZATION

This Groundwater Monitoring Report details the findings, conclusions, and recommendations based on the March and October 2005 monitoring events. This section provides an introduction and background of the remedial and monitoring program activities at the ONFF site. Section 2.0 details the March and October 2005 monitoring events. Section 3.0 presents the results of the March and October 2005 monitoring events. Section 4.0 presents conclusions and recommendations based on the results. Section 5.0 presents the reference material used to create this report. Graphs showing trends in analytical data results are presented in Appendix A. Appendix B includes the Field Record of Well Gauging, Purging, and Sampling Forms. The complete analytical data forms are provided in Appendix C.

2.0 MONITORING PLAN

2.1 GROUNDWATER MONITORING

2.1.1 Sampling Locations

A total of ten monitoring wells, of the 16 wells located on the site, were sampled between 7 and 11 March 2005 and again during 04 to 08 October 2005: MW-NASB-051, MW-NASB-058, MW-NASB-062, MW-NASB-098, MW-NASB-207, MW-NASB-208BR, MW-NASB-210, MW-NASB-701, MW-NAS-B-702, and MW-NASB-703. See Figure 1-2 for the location of each monitoring well.

Based on discussions with MEDEP, the Navy has eliminated six monitoring well locations (MW-NASB-046, MW-NASB-049, MW-NASB-206, MW-NASB-209R, MW-NASB-244 and MW-NASB-245) from the sampling program.

2.1.2 Groundwater Sampling Program

Prior to collecting groundwater samples, measurement and recording of groundwater elevations were conducted at all 16 site wells. In accordance with the Groundwater Monitoring Plan (EA 2000a), only the shallow well was gauged and sampled at nested monitoring well clusters (shallow and deep screened monitoring wells). An oil/water interface probe was utilized to assess the presence or absence of light, non-aqueous phase liquid on the groundwater surface. During the sampling events in March and October 2005, no light, non-aqueous phase liquid was detected in the groundwater monitoring wells at the ONFF site.

During the sampling rounds, one groundwater sample was collected via low-flow sampling methods from each of the groundwater monitoring wells listed in Section 2.1.1. All monitoring wells were sampled in accordance with the *Low Stress (Low Flow) Purging and Sampling Procedure for the Collection of Groundwater Samples from Monitoring Wells* (EPA 1996). Sampling was done using Grundfos pumps, with dedicated tubing.

Prior to purging, the initial static water level was measured in the well using a water-level indicator. During purging, the water level was measured every 5 to 10 minutes.

During purging, water quality parameters (pH, turbidity, specific conductance (SpC), temperature, oxidation-reduction potential (ORP) and dissolved oxygen (DO)) were measured and recorded every 5 to 10 minutes using a water quality meter and flow-through cell until stabilization and the minimum purge volume (equal to the stabilized drawdown volume plus the tubing volume) was removed. Stabilization of the above parameters was defined as follows:

- pH ± 10% standard units
- turbidity < 10 nephelometric turbidity unit (NTU)
- SpC ± 10 % (μS/cm)
- ORP ± 10% (mV)
- DO ± 10 % (mg/L)

Instruments used to monitor stabilization parameters were calibrated daily before sampling and instrument readings were checked at the end of the day against the calibration standards. It should be noted that salinity was not recorded on the calibration logs, this reading, measured with the conductivity probe, is reflected in the record of specific conductance.

Following purging, the well tubing was removed from the flow through cell and samples were collected directly from the discharge end of the tubing. All sample containers were filled by allowing the discharge to flow gently down the inside of the container with minimal turbulence.

Duplicate samples were collected during both of the March and October 2005 sampling events. One duplicate sample was collected from groundwater monitoring well MW-NASB-098 during the March 2005 sampling event, and duplicate samples were collected from both MW-NASB-701 and MW-NASB-208BR in the October 2005 event. Three trip blanks were collected and analyzed per sample shipment to the laboratory to document the potential introduction of contaminants during sample shipment and evaluate potential cross-contamination of the samples.

2.1.3 Sampling Parameters

The groundwater samples collected were analyzed for the following:

- Volatile organic compounds (VOCs) by U.S. Environmental Protection Agency (EPA) Method 8260B.
- TPHs by Department of Human Services Health and Environmental Testing Laboratory, State of Maine Method 4.1.25 (DRO)
- TPHs by Department of Human Services Health and Environmental Testing Laboratory, State of Maine Method 4.2.17 (GRO) (analyzed only for sample locations MW-701, MW-702 and MW-703)
- Methane by EPA Region 1 Method
- Alkalinity by EPA Method 310.1
- Nitrate by EPA Method 353.2
- Sulfate by EPA Method 375.4
- Total Organic Carbon by EPA Method 415.1
- Ferrous Iron by SM 3500 Fe D

The analytical results of groundwater samples collected during this event were compared to the Maximum Exposure Guidelines (MEGs) obtained from the State of Maine Department of Human Services to assess whether there were any exceedances of applicable regulatory standards. Laboratory forms are provided in Appendix C.

2.2 DECONTAMINATION AND INVESTIGATION – DERIVED WASTE

All water quality meters and water level meters were decontaminated by washing the instruments with Alkinox® and rinsing with deionized water prior to and after use. Liquid investigation derived waste (IDW) from sampling of the groundwater at each Old Navy Fuel Farm well was

pumped into 5 gallon buckets during sampling activities. The buckets were taken to Building 50 (the treatment plant) for disposal. IDW was mixed with the influent plant water and cycled through the treatment plant.

3.0 SAMPLING RESULTS

3.1 WATER LEVEL GAUGING PROGRAM

During each sampling event, groundwater monitoring wells at the ONFF site were gauged prior to sampling as presented in Section 2.1.1. Interpretive groundwater table contour maps were developed from the March and October 2005 gauging data. The gauging data from the both sampling events are presented in Table 3-1. The interpreted groundwater table contour maps are independently based upon the water levels recorded during each corresponding sampling event and are presented for the March 2005 event in Figure 3-1 and in Figure 3-2 for the October 2005 event.

3.2 GROUNDWATER MONITORING

A summary of groundwater water quality data (discussed in Section 2.1.2) are provided in Table 3-2. The following sub-sections summarize the results from the March and October 2005 sampling events.

3.2.1 Volatile Organic Compounds

March 2005

VOCs were detected in one of ten groundwater samples; however, the VOC concentrations did not exceed the MEGs at any location. At monitoring well MW-NASB-098, methyl tertiary-butyl ether (MTBE) was detected at 6.4 J µg/L (J = estimated value) for the primary (twice the concentration of the previous round, see Appendix A for trend graphs) and 5.5 J µg/L for the duplicate sample (RPD = 15.1%), which are below the MEG of 35 µg/L. A summary of the VOC groundwater data for the March 2005 sampling event is presented in Table 3-3.

October 2005

VOCs were detected in one of ten groundwater samples; however, the VOC concentrations did not exceed the MEGs at any location. At monitoring well MW-NASB-098, methyl tertiary-butyl ether (MTBE) was detected at 0.44 J µg/L (J = estimated value) (below the concentration for the previous round, see Appendix A for trend graphs). This concentration is below the MEG of 35 µg/L. A summary of the VOC groundwater data for the October 2005 sampling event is presented in Table 3-3.

3.2.2 Total Petroleum Hydrocarbons

3.2.2.1 Total Petroleum Hydrocarbons-Diesel Range Organics

March 2005

All ten wells were sampled for TPH-DRO during the March 2005 sampling event. There were no detections in any of the groundwater samples. Table 3-3 presents a summary of the data for the March 2005 sampling event.

October 2005

All ten wells were sampled for TPH-DRO during the October 2005 sampling event. There was a single detection of TPH-DRO at monitoring well MW-NASB-702 where a concentration of 1,500 J µg/L (J = estimated value) was detected. This concentration exceeds the MEG of 50 µg/L and exceeds the reported value during the previous round of 50 U µg/L (U=undetected)(see Appendix A for trend graphs). Table 3-3 presents a summary of the TPH-DRO groundwater data for the October 2005 sampling event.

3.2.2.2 Total Petroleum Hydrocarbons-Gasoline Range Organics

March 2005

TPH-GRO was detected in one of three groundwater samples. The GRO concentration did exceed the MEG at well location MW-NASB-701; detected at 62 µg/L which exceeds the MEG of 50 µg/L. Table 3-3 presents a summary of the data for the March 2005 sampling event.

October 2005

TPH-GRO was detected in one of three groundwater samples. The GRO concentration did not exceed the MEG at well location MW-NASB-702; detected at 34 µg/L which is below the MEG of 50 µg/L. Table 3-3 presents a summary of the data for the October 2005 sampling event.

3.2.3 Monitored Natural Attenuation Parameters

Groundwater samples were analyzed for monitored natural attenuation parameters during sampling events at the ONFF to support a potential future evaluation of monitored natural attenuation as a remedy for the ONFF. This report will present the monitored natural attenuation data and discuss the results, but is not intended to be a formal monitored natural attenuation evaluation. The monitored natural attenuation parameter data are presented in Table 3-3.

3.2.3.1 Alkalinity

March 2005

Alkalinity was collected during the groundwater sampling event completed at the ONFF. Detected concentrations of alkalinity were found in all samples at concentrations ranging from 13 to 200 mg/L. The highest concentrations were located at wells MW-NASB-207 and MW-NASB-208BR (190 mg/L and 200 mg/L respectively). Well MW-NASB-098 was selected as the field duplicate, the primary sample was detected at 24 mg/L and the duplicate sample at 17 mg/L; the RPD was 34.1%.

October 2005

Alkalinity was collected during the groundwater sampling event completed at the ONFF. Detected concentrations of alkalinity were found in all samples at concentrations ranging from 10 to 200 mg/L. The highest concentrations were located at wells MW-NASB-207 and MW-NASB-208BR (170 mg/L and 200 mg/L respectively). Two wells were selected as field

duplicates. At well MW-NASB-208BR, the primary sample was detected at 200 µg/L and the duplicate sample at 188 mg/L; the RPD was 6.2%. At well MW-NASB-701, the primary sample was detected at 75 mg/L and the duplicate sample at 11 mg/L; the RPD was 149%.

3.2.3.2 Nitrate

March 2005

Nitrate was collected during the groundwater sampling event completed at the ONFF. Four of the monitoring wells had detected concentrations of nitrate ranging from 0.44 to 3.1 mg/L. The highest concentrations were located at wells MW-NASB-058 and MW-NASB-210 (1.1 mg/L and 3.1 mg/L respectively).

October 2005

Nitrate was collected during the groundwater sampling event completed at the ONFF. Four of the monitoring wells had detected concentrations of nitrate ranging from 0.21 to 0.68 mg/L. The highest concentrations were located at wells MW-NASB-703 and MW-NASB-701 (DUP1)(0.68 mg/L and 0.63 mg/L respectively). Two wells were selected as field duplicates. At well MW-NASB-208BR, the primary and duplicate samples were both the same concentration (0.1 U mg/L, U=undetected). At well MW-NASB-701, the primary sample was not detected (0.1 U mg/L) and the duplicate sample was detected at 0.63 mg/L; the RPD was 145%.

3.2.3.3 Sulfate

March 2005

Sulfate was collected during the groundwater sampling event completed at the ONFF. Detected concentrations of sulfate were found in all the samples, except MW-NASB-208BR, from concentrations of 2.3 to 45 mg/L. The highest concentrations were located at wells MW-NASB-058 and MW-NASB-701 (20 mg/L and 45 mg/L respectively). Well MW-NASB-098 was selected as the field duplicate, both the primary and duplicate samples were detected at 11 µg/L, resulting in a RPD of 0%.

October 2005

Sulfate was collected during the groundwater sampling event completed at the ONFF. Detected concentrations of sulfate were found in nine of the samples ranging from 2.6 to 30 mg/L. The highest concentrations were located at wells MW-NASB-058 and MW-NASB-701 (27 mg/L and 30 mg/L respectively). Two wells were selected as field duplicates. At well MW-NASB-208BR, the primary sample was detected at 2.6 mg/L and the duplicate sample at 3.2 mg/l; the RPD was 20.7%. At well MW-NASB-701, the primary sample was detected at 30 mg/L and the duplicate sample was detected at 24 mg/L; the RPD was 22.2%.

3.2.3.4 Total Organic Carbon

March 2005

Total organic carbon was collected during the groundwater sampling event completed at the ONFF. Detected concentrations of total organic carbon were found in all the samples from concentrations of 1.3 to 21 mg/L. The highest concentrations were located at wells MW-NASB-210, MW-NASB-701 and MW-NASB-702 (8.8 mg/L, 21 mg/L and 8.4 mg/L respectively). Well MW-NASB-098 was selected as the field duplicate, the primary sample was detected at 3.2 μg/L and the duplicate sample at 3.1 μg/L; the RPD was 3.2%.

October 2005

Total organic carbon was collected during the groundwater sampling event completed at the ONFF. Detected concentrations of total organic carbon were found in all the samples from concentrations of 1.8 to 23 mg/L. The highest concentrations were located at wells MW-NASB-210, MW-NASB-701 and MW-NASB-702 (13 mg/L, 23 mg/L and 22 mg/L respectively). Two wells were selected as field duplicates. At well MW-NASB-208BR, the primary sample was detected at 7.4 mg/L and the duplicate sample at 5.3 mg/l; the RPD was 33.1%. At well MW-NASB-701, the primary sample was detected at 23 mg/L and the duplicate sample was detected at 3.6 mg/L; the RPD was 146%.

3.2.3.5 Iron

March 2005

Iron was collected during the groundwater sampling event completed at the ONFF. Seven wells had detected concentrations of iron. Monitoring well MW-NASB-098 and its corresponding field duplicate were both 7.4 mg/L (RPD = 0%). Monitoring well MW-NASB-208BR had the highest concentration of all ferrous iron samples, 15 mg/L.

October 2005

Iron was collected during the groundwater sampling event completed at the ONFF. All ten wells had detected concentrations of iron. The highest concentrations were located at wells MW-NASB-208BR and MW-NASB-98 (16 mg/L and 10 mg/L respectively). Two wells were selected as field duplicates. At well MW-NASB-208BR, the primary sample was detected at 16 mg/L and the duplicate sample at 18 mg/L; the RPD was 11.8%. At well MW-NASB-701, the primary sample was detected at 0.66 mg/L and the duplicate sample was detected at 0.23 mg/L; the RPD was 96.6%.

3.2.3.6 Methane

March 2005

Methane samples were set by the primary laboratory to a secondary laboratory for analysis. Some of the samples arrived at the secondary laboratory above the acceptable temperature.

Therefore, some of the non-detect methane results have been rejected (see Appendix C for more information). Methane was collected during the groundwater sampling event completed at the ONFF. Four wells had detected concentrations of methane from 9.9 to 1100 µg/L. The highest concentrations were located at wells MW-NASB-208BR and MW-NASB-701 (1000 µg/L and 1100 J µg/L respectively). Well MW-NASB-098 was selected as the field duplicate, the primary sample was detected at 160 µg/L and the duplicate sample at 210 µg/L; the RPD was 27%.

October 2005

Methane was collected during the groundwater sampling event completed at the ONFF. Six wells had detected concentrations of methane from 14 to 1400 µg/L. The highest concentrations were located at wells MW-NASB-208BR and MW-NASB-701 (1400 µg/L and 790 µg/L respectively). Two wells were selected as field duplicates. At well MW-NASB-208BR, the primary sample and duplicate samples were detected at 1400 µg/L; the RPD was 0%. At well MW-NASB-701, the primary sample was detected at 790 µg/L and in the duplicate sample iron was not detected (10 U µg/L, U = undetected); the RPD was 195%.

4.0 CONCLUSIONS AND RECOMMENDATIONS

4.1 CONCLUSIONS

4.1.1 Water Level Gauging Program

The results of the water level gauging program performed for the March and October 2005 events indicate that groundwater flow direction is generally toward the east to southeast across the ONFF site. Light, non-aqueous phase liquid was not identified in the groundwater monitoring wells gauged for this sampling event.

4.1.2 Groundwater Monitoring and Sampling Program

The results of the groundwater sampling and analysis program conducted during the March and October 2005 sampling events identified the following:

- There were no exceedances of the applicable MEGs for VOCs. Only one VOC (MTBE) was detected during the March and October 2005 sampling rounds. MTBE was detected at crossgradient well MW-NASB-98 at 6.4 μg/L (Round 10) and 0.44 μg/L (Round 11). The VOC data indicate that the detected concentrations of VOCs have remained stable during the last 11 sampling events, and that continued groundwater impacts from the ONFF for VOCs are minimal.

- Dissolved-phase TPH-DRO was not detected during the March 2005 sampling event but was detected in one well in the October 2005 sampling event. A concentration of 1500 μg/L was detected at well MW-NASB-702, which exceeds the MEG of 50 μg/L. The detection of TPH-DRO in this well represents a spike not consistent with recent sampling results at this well location.

- TPH-GRO was not detected in MW-NASB-702 during the March 2005 event but was detected at a concentration of 34 μg/L in the October 2005 event. This concentration does not exceed the MEG of 50 μg/L.

- TPH-GRO was detected in MW-NASB-701 during the March 2005 event at a concentration of 62 μg/L, which exceeds the MEG of 50 μg/L. TPH-GRO was detected in this well during the October 2005 event at a concentration of 34 μg/L, which is below the MEG level of 50 μg/L.

- The effectiveness of natural attenuation for mitigating residual petroleum hydrocarbons at the ONFF is evidenced by analytical trend data for BTEX, TPH-GRO, and TPH-DRO, which exhibit continued reductions in dissolved-phase concentrations. (The October 2005 detection of TPH-DRO in well MW-NASB-702 at a concentration exceeding the MEG is the lone exception.) In addition to the analytical trend data, water quality indicator parameters continue to demonstrate a large demand for electron acceptors (particularly oxygen) within the residual petroleum impacted area. The reduction in electron acceptor

concentrations, coupled with the concurrent production of metabolic end products like methane, support the conclusion that biodegradation of residual petroleum compounds is occurring. This conclusion is further evidenced by the downgradient monitoring well data, which, based on the data from the last few years of sampling, demonstrate that the hydrocarbon plumes have reached steady state and that offsite migration of hydrocarbon compounds is effectively prevented by natural attenuation mechanisms.

- The groundwater data from this reporting period support the conclusion of the February 2002 BIOSCREEN Modeling of Total Petroleum Hydrocarbons at the ONFF (EA 2002) that the plumes (east and west plumes) have reached steady state and that further migration is not likely to occur.

4.2 RECOMMENDATIONS

The following recommendations are based on the results of March and October 2005 sampling events:

- Continue to perform monitoring of VOCs (BTEX and MTBE) and dissolved-phase TPH-DRO analysis in order to provide additional data to identify groundwater trends and determine the effectiveness of the removal actions at the site.

- Continue to perform monitoring of dissolved-phase TPH-GRO at MW-NASB-701, MW-NASB-702, and MW-NASB-703, especially in light of the increase in the concentration levels at MW-NASB-701.

5.0 REFERENCES

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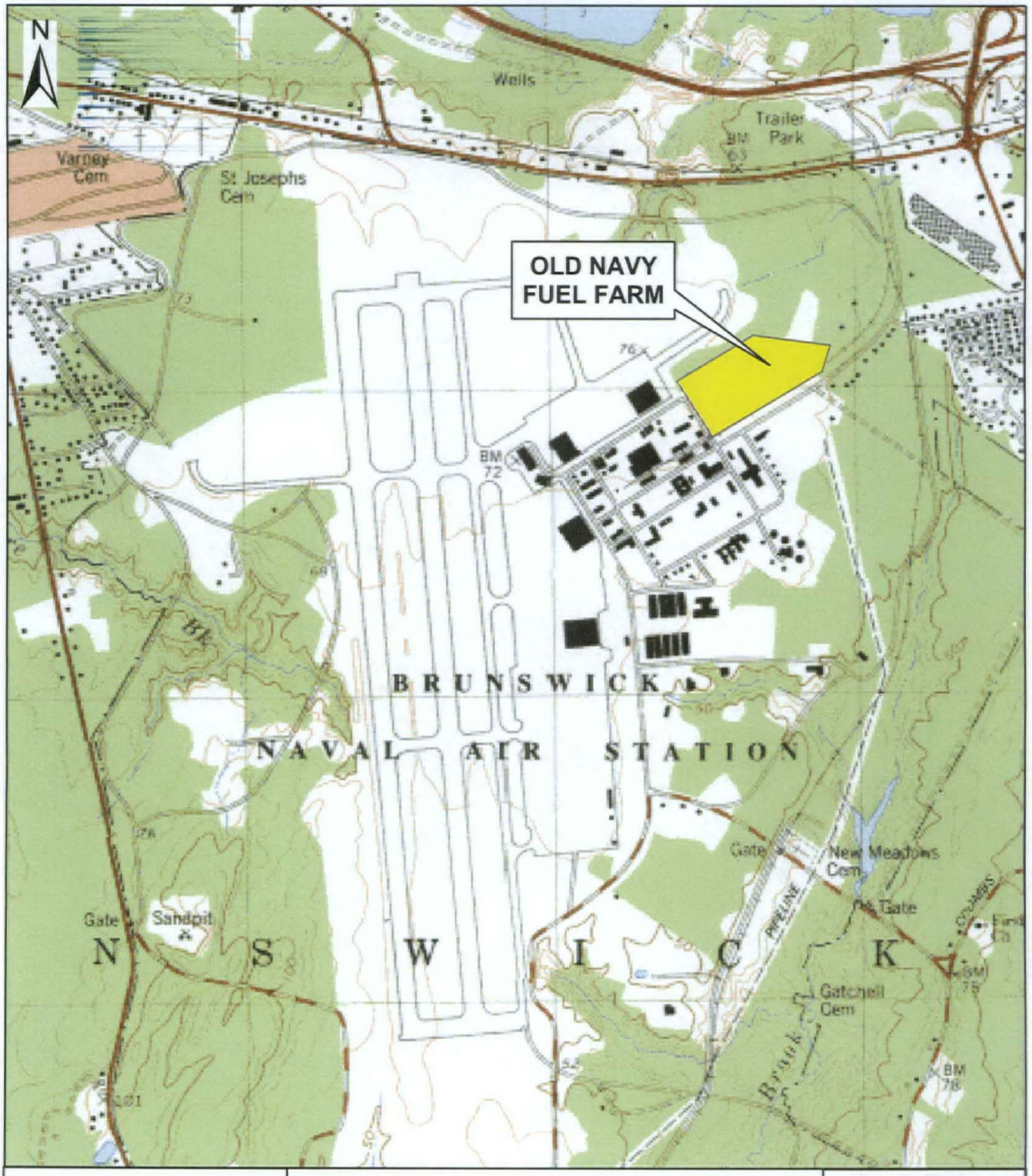


ECC

50 D'Angelo Drive
Marlborough, MA

FIGURE 1-1
SITE LOCATION MAP

OLD NAVY FUEL FARM
NAVAL AIR STATION
BRUNSWICK, MAINE

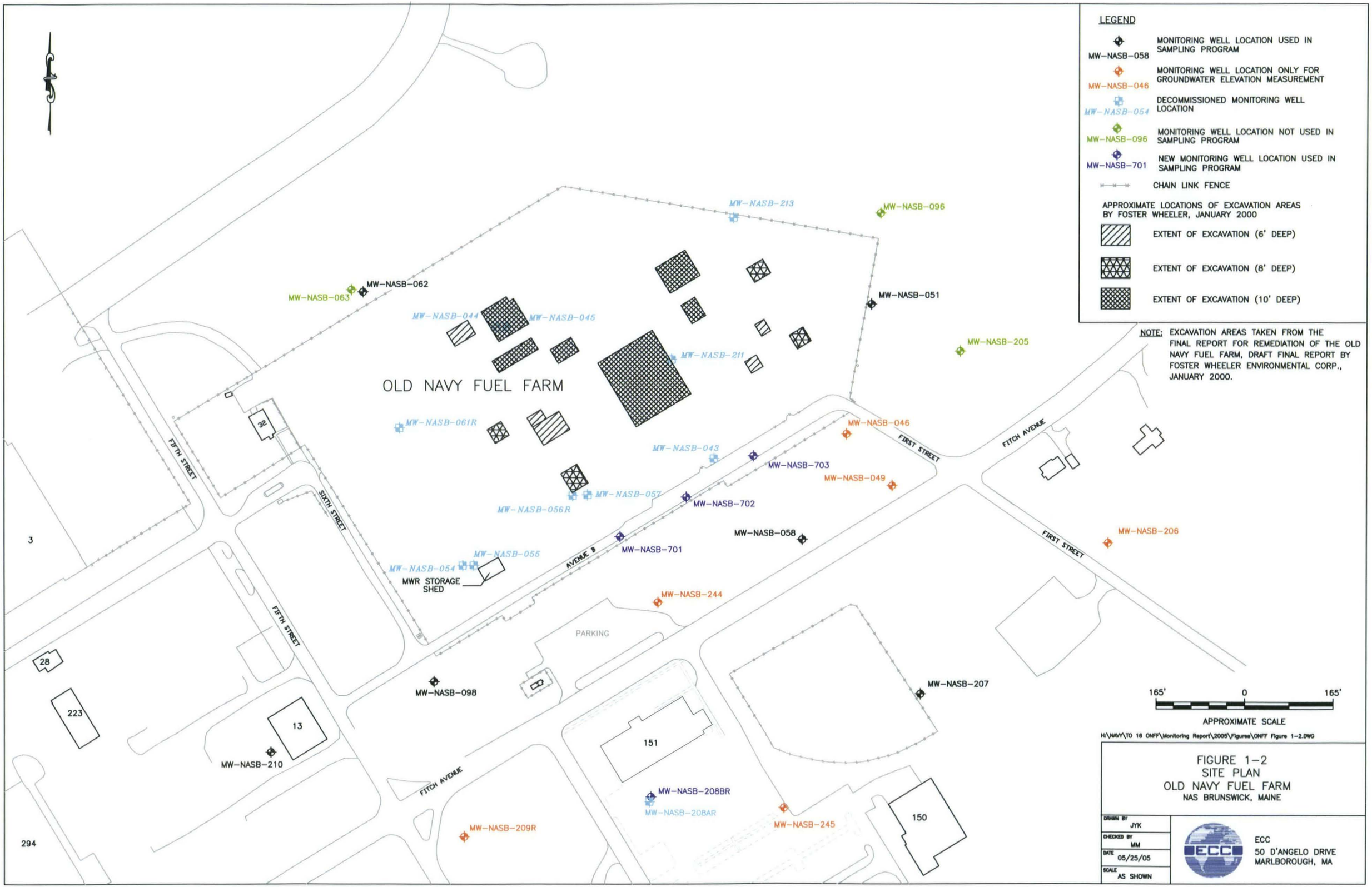
200 100 0 200 Feet

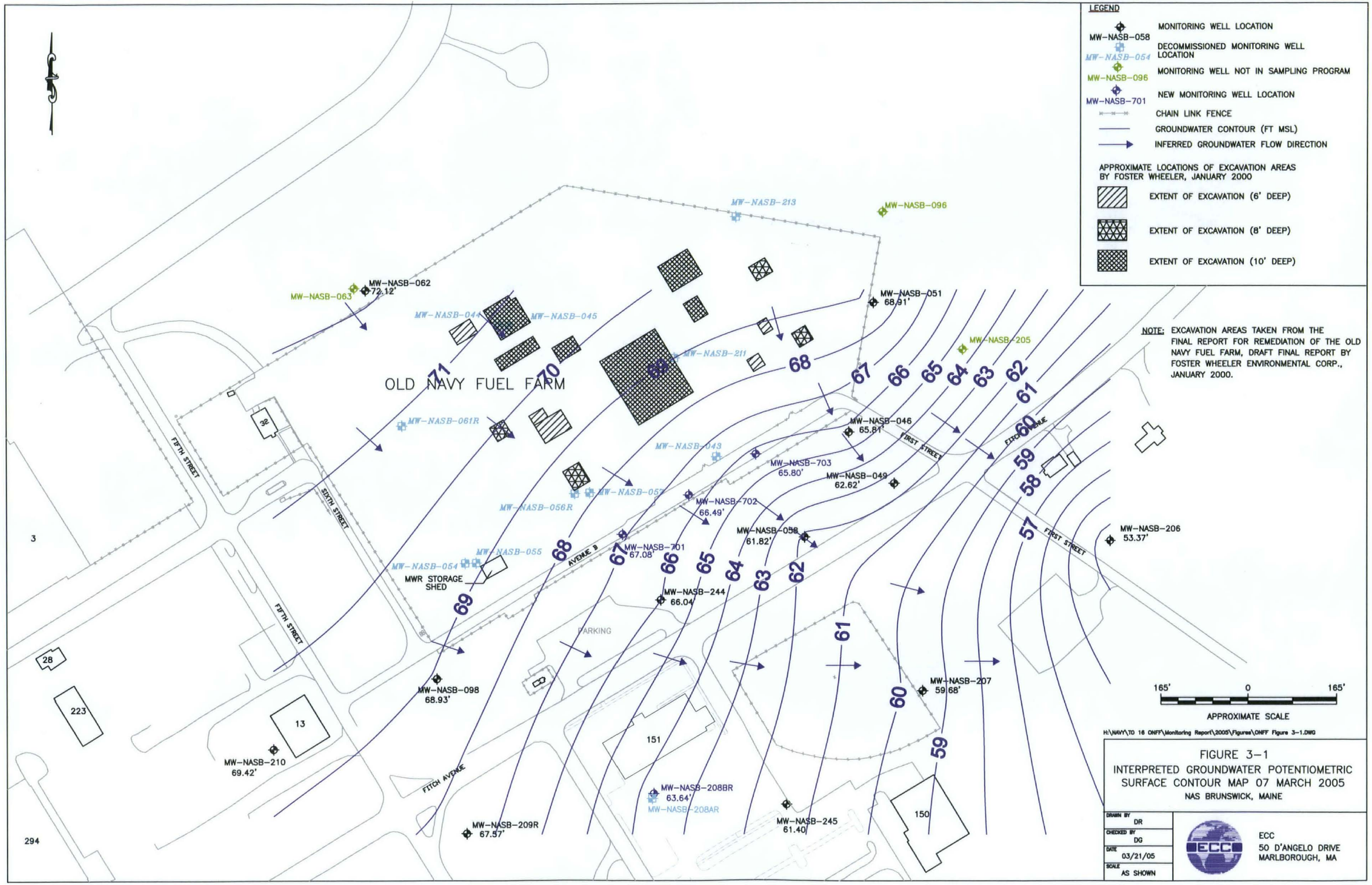
DATE LAST MODIFIED: 02/15/05

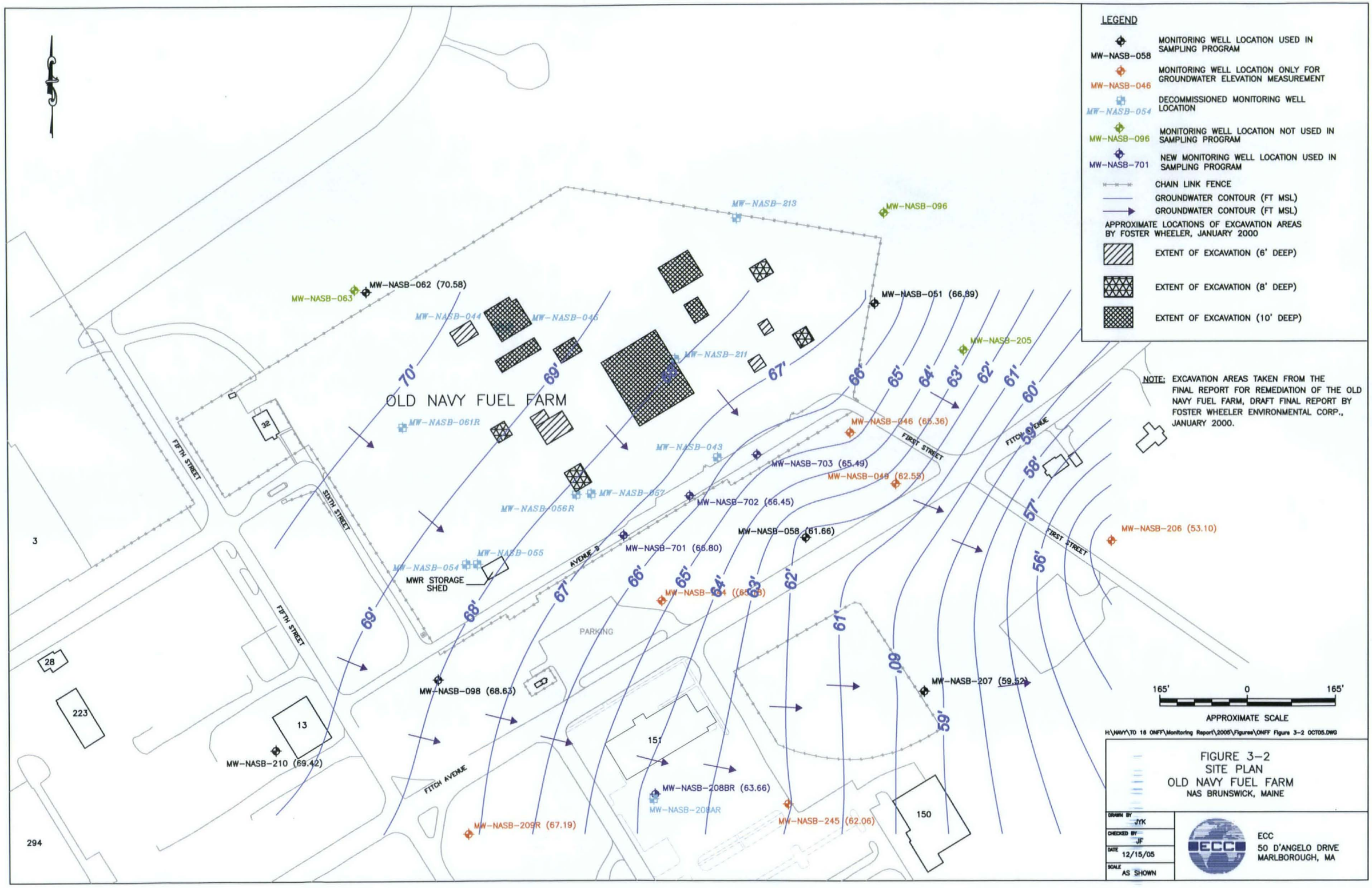
LAST MODIFIED BY: DR

SCALE AS SHOWN

H:\NAVY\TO 16 ONFF\Monitoring Report\2004-2005\Figures\ONFF Figure 1-1.MXD


LEGEND
MW-NASB-058 MONITORING WELL LOCATION USED IN SAMPLING PROGRAM
MW-NASB-046 MONITORING WELL LOCATION ONLY FOR GROUNDWATER ELEVATION MEASUREMENT
MW-NASB-054 DECOMMISSIONED MONITORING WELL LOCATION
MW-NASB-096 MONITORING WELL LOCATION NOT USED IN SAMPLING PROGRAM
MW-NASB-701 NEW MONITORING WELL LOCATION USED IN SAMPLING PROGRAM
CHAIN LINK FENCE
APPROXIMATE LOCATIONS OF EXCAVATION AREAS BY FOSTER WHEELER, JANUARY 2000
EXTENT OF EXCAVATION (6' DEEP)
EXTENT OF EXCAVATION (8' DEEP)
EXTENT OF EXCAVATION (10' DEEP)
NOTE: EXCAVATION AREAS TAKEN FROM THE FINAL REPORT FOR REMEDIATION OF THE OLD NAVY FUEL FARM, DRAFT FINAL REPORT BY FOSTER WHEELER ENVIRONMENTAL CORP., JANUARY 2000.
OLD NAVY FUEL FARM
MW-NASB-213
MW-NASB-096
MW-NASB-062
MW-NASB-063
MW-NASB-051
MW-NASB-044
MW-NASB-045
MW-NASB-211
MW-NASB-205
MW-NASB-061R
MW-NASB-046
MW-NASB-043
MW-NASB-703
MW-NASB-049
MW-NASB-057
MW-NASB-056R
MW-NASB-702
MW-NASB-058
MW-NASB-206
MW-NASB-055
MW-NASB-701
MW-NASB-054
MWR STORAGE SHED
MW-NASB-244
PARKING
MW-NASB-098
MW-NASB-207
MW-NASB-210
MW-NASB-208BR
MW-NASB-208AR
MW-NASB-209R
MW-NASB-245
FIFTH STREET
SIXTH STREET
AVENUE B
FIRST STREET
FITCH AVENUE
32
3
28
223
13
151
150
294
165' 0 165'
APPROXIMATE SCALE
H:\NAVY\TO 18 ONFF\Monitoring Report\2005\Figures\ONFF Figure 1-2.DWG
FIGURE 1-2
SITE PLAN
OLD NAVY FUEL FARM
NAS BRUNSWICK, MAINE
DRAWN BY JYK
CHECKED BY MM
DATE 05/25/05
SCALE AS SHOWN
ECC
50 D'ANGELO DRIVE
MARLBOROUGH, MA


LEGEND
MW-NASB-058 MONITORING WELL LOCATION
MW-NASB-054 DECOMMISSIONED MONITORING WELL LOCATION
MW-NASB-096 MONITORING WELL NOT IN SAMPLING PROGRAM
MW-NASB-701 NEW MONITORING WELL LOCATION
CHAIN LINK FENCE
GROUNDWATER CONTOUR (FT MSL)
INFERRED GROUNDWATER FLOW DIRECTION
APPROXIMATE LOCATIONS OF EXCAVATION AREAS BY FOSTER WHEELER, JANUARY 2000
EXTENT OF EXCAVATION (6' DEEP)
EXTENT OF EXCAVATION (8' DEEP)
EXTENT OF EXCAVATION (10' DEEP)
NOTE: EXCAVATION AREAS TAKEN FROM THE FINAL REPORT FOR REMEDIATION OF THE OLD NAVY FUEL FARM, DRAFT FINAL REPORT BY FOSTER WHEELER ENVIRONMENTAL CORP., JANUARY 2000.
OLD NAVY FUEL FARM
MW-NASB-213
MW-NASB-096
MW-NASB-062 72.12'
MW-NASB-063
MW-NASB-044
MW-NASB-045
MW-NASB-051 68.91'
MW-NASB-205
MW-NASB-211
MW-NASB-061R
MW-NASB-046 65.81'
MW-NASB-043
MW-NASB-703 65.80'
MW-NASB-049 62.62'
MW-NASB-052
MW-NASB-056R
MW-NASB-702 66.49'
MW-NASB-058 61.82'
MW-NASB-206 53.37'
MW-NASB-055
MW-NASB-054
MW-NASB-701 67.08'
MWR STORAGE SHED
MW-NASB-244 66.04'
PARKING
MW-NASB-098 68.93'
MW-NASB-207 59.68'
MW-NASB-210 69.42'
MW-NASB-208BR 63.64'
MW-NASB-208AR
MW-NASB-209R 67.57'
MW-NASB-245 61.40'
FIFTH STREET
SIXTH STREET
AVENUE B
FIRST STREET
FITCH AVENUE
3
28
223
13
151
150
294
71
70
69
68
67
66
65
64
63
62
61
60
59
58
57
165' 0 165'
APPROXIMATE SCALE
H:\NAVY\TO 16 ONFF\Monitoring Report\2005\Figures\ONFF Figure 3-1.DWG
FIGURE 3-1
INTERPRETED GROUNDWATER POTENTIOMETRIC SURFACE CONTOUR MAP 07 MARCH 2005
NAS BRUNSWICK, MAINE
DRAWN BY DR
CHECKED BY DG
DATE 03/21/05
SCALE AS SHOWN
ECC
50 D'ANGELO DRIVE
MARLBOROUGH, MA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MW-NASB-054 DECOMMISSIONED MONITORING WELL LOCATION
MW-NASB-096 MONITORING WELL LOCATION NOT USED IN SAMPLING PROGRAM
MW-NASB-701 NEW MONITORING WELL LOCATION USED IN SAMPLING PROGRAM
CHAIN LINK FENCE
GROUNDWATER CONTOUR (FT MSL)
GROUNDWATER CONTOUR (FT MSL)
APPROXIMATE LOCATIONS OF EXCAVATION AREAS BY FOSTER WHEELER, JANUARY 2000
EXTENT OF EXCAVATION (6' DEEP)
EXTENT OF EXCAVATION (8' DEEP)
EXTENT OF EXCAVATION (10' DEEP)
NOTE: EXCAVATION AREAS TAKEN FROM THE FINAL REPORT FOR REMEDIATION OF THE OLD NAVY FUEL FARM, DRAFT FINAL REPORT BY FOSTER WHEELER ENVIRONMENTAL CORP., JANUARY 2000.
OLD NAVY FUEL FARM
MW-NASB-213
MW-NASB-096
MW-NASB-062 (70.58)
MW-NASB-063
MW-NASB-044
MW-NASB-045
MW-NASB-051 (66.89)
MW-NASB-205
MW-NASB-211
MW-NASB-061R
MW-NASB-046 (65.36)
MW-NASB-043
MW-NASB-703 (65.49)
MW-NASB-049 (62.55)
MW-NASB-057
MW-NASB-056R
MW-NASB-702 (66.45)
MW-NASB-058 (61.66)
MW-NASB-206 (53.10)
MW-NASB-055
MW-NASB-054
MW-NASB-701 (66.80)
MWR STORAGE SHED
MW-NASB-204 (65.68)
PARKING
MW-NASB-098 (68.63)
MW-NASB-207 (59.52)
MW-NASB-210 (69.42)
MW-NASB-208BR (63.66)
MW-NASB-208AR
MW-NASB-209R (67.19)
MW-NASB-245 (62.06)
FIFTH STREET
SIXTH STREET
AVENUE B
FIRST STREET
FITCH AVENUE
32
3
28
223
13
151
150
294
70'
69'
68'
67'
66'
65'
64'
63'
62'
61'
60'
59'
58'
57'
56'
165' 0 165'
APPROXIMATE SCALE
H:\NAVY\TO 18 ONFF\Monitoring Report\2005\Figures\ONFF Figure 3-2 OCT05.DWG
FIGURE 3-2
SITE PLAN
OLD NAVY FUEL FARM
NAS BRUNSWICK, MAINE
DRAWN BY JYK
CHECKED BY JF
DATE 12/15/05
SCALE AS SHOWN
ECC
ECC
50 D'ANGELO DRIVE
MARLBOROUGH, MA

TABLE 3-1
GROUNDWATER MEASUREMENTS AND ELEVATIONS
GROUNDWATER MONITORING REPORT FOR THE 2005 SAMPLING EVENTS
OLD NAVY FUEL FARM
NAVAL AIR STATION, BRUNSWICK, MAINE

		March 2005			October 2005		
Location	Measuring Point Elevation (ft NAVD 88)	Date	Depth to Water[1] (feet)	Groundwater Elevation (ft NAVD 88)	Date	Depth to Water[1] (feet)	Groundwater Elevation (ft NAVD 88)
MW-NASB-046	71.30	3/7/05	5.49	65.81	9/27/05	5.94	65.36
MW-NASB-049	68.29	3/7/05	5.67	62.62	9/27/05	5.74	62.55
MW-NASB-051	73.41	3/7/05	4.50	68.91	9/27/05	6.52	66.89
MW-NASB-058	68.00	3/7/05	6.18	61.82	9/27/05	6.34	61.66
MW-NASB-062	80.73	3/7/05	8.61	72.12	9/27/05	10.15	70.58
MW-NASB-098	76.53	3/7/05	7.60	68.93	9/27/05	7.90	68.63
MW-NASB-206	59.01	3/7/05	5.64	53.37	9/27/05	5.91	53.10
MW-NASB-207	66.22	3/7/05	6.54	59.68	9/27/05	6.70	59.52
MW-NASB-208BR	69.85	3/7/05	6.21	63.64	9/27/05	6.19	63.66
MW-NASB-209R	72.94	3/7/05	5.37	67.57	9/27/05	5.75	67.19
MW-NASB-210	77.55	3/7/05	8.13	69.42	9/27/05	8.13	69.42
MW-NASB-244	70.73	3/7/05	4.69	66.04	9/27/05	5.55	65.18
MW-NASB-245	67.51	3/7/05	6.11	61.40	9/27/05	5.45	62.06
MW-NASB-701	74.41	3/7/05	7.33	67.08	9/27/05	7.61	66.80
MW-NASB-702	73.63	3/7/05	7.14	66.49	9/27/05	7.18	66.45
MW-NASB-703	72.97	3/7/05	7.17	65.80	9/27/05	7.48	65.49

ft = feet
NAVD 88 = North American Vertical Datum 1988
(1) Depth to water is the distance in feet from the measuring point (top of riser pipe) to the water.

TABLE 3-2
WATER QUALITY DATA
GROUNDWATER MONITORING REPORT FOR THE 2005 SAMPLING EVENTS
OLD NAVY FUEL FARM
NAVAL AIR STATION, BRUNSWICK, MAINE

WELL	DATE	TIME (24hr)	Cumulative Volume Purged (liters)	Temp (°C)	pH (std)	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Purge Rate (ml/min)	Hach Test Kit Ferrous Iron (mg/L)
MW-NASB-051	03/10/05	1035	22.75	6.31	5.64	111	0.99	175	1	650*	0
MW-NASB-058	03/11/05	1130	12	11.88	5.86	185	2.99	124	3	200	0.6
MW-NASB-062	03/10/05	930	7.4	10.78	5.56	108	3.67	152	7	120	0.6
MW-NASB-098	03/11/05	945	16	12.67	5.85	206	1.4	20	8	200	5.2
MW-NASB-207	03/10/05	1210	9	10.31	6.4	525	3.55	150	6	150	0
MW-NASB-208BR	03/14/05	1050	21.08	18.59	6.24	557	3.6	-15	37	170	5.8
MW-NASB-210	03/11/05	1315	15.84	11.58	6.06	220	4.3	157	7	180	0
MW-NASB-701	03/08/05	1140	9.8	8.17	5.53	339	1.05	60	8	120	2.4
MW-NASB-702	03/08/05	1435	20.95	8.4	5.93	143	5.7	164	40	160	0
MW-NASB-703	03/09/05	1315	16.6	8.37	5.58	121	5.55	181	7	170	0
MW-NASB-051	10/04/05	1445	20	20.88	5.79	91	0.32	114	4	200	
MW-NASB-058	10/05/05	1015	34.8	19.99	5.96	157	0.53	-13.6	7	200	
MW-NASB-062	10/05/05	1130	7.65	18	5.95	100	1	127.9	5	150	
MW-NASB-098	10/05/05	1310	62.8	21.71	6.01	130	0.2	18	7	200	
MW-NASB-207	10/06/05	1012	26	22.26	6.48	429	0.71	112	7	200	
MW-NASB-208BR	10/06/05	1313	86	26.52	6.31	503	0.3	-25.9	13	200	
MW-NASB-210	10/06/05	1445	48.8	22.76	5.87	107	0.26	205.7	9	200	
MW-NASB-701	10/04/05	1345	12	25.88	5.79	250	0.25	140	9	200	
MW-NASB-702	10/08/05	1328	21.9	25.42	5.62	137	0.45	187.3	101	150	
MW-NASB-703	10/04/05	1145	76.8	22.61	5.5	100	1.69	186.6	4.3	300	

°C = degrees Celcius
DO = dissolved oxygen
mg/L = milligrams per liter
ml/min = milliliters per minute
mS/cm = millisiemens per centimeter
mV = millivolts
NR = not recorded
* lowest flow rate possible by the Grundfos pump

NTU = nephelometric turbidity units
ORP = oxidation-reduction potential
ppt = parts per thousand
Spec. Cond. = specific conductivity
std = standard units
Temp = temperature
NA = not applicable

TABLE 3-3
GROUNDWATER ANALYTICAL RESULTS SUMMARY
GROUNDWATER MONITORING REPORT FOR MARCH 2005 SAMPLING EVENT
OLD NAVY FUEL FARM
NAVAL AIR STATION, BRUNSWICK, MAINE

Chemical	MEG (µg/L)	MW NASB 51	MW NASB 58	MW NASB 62	MW NASB 98	MW NASB 98 (DUP)	MW NASB 207	MW NASB 208BR	MW NASB 210	MW NASB 701	MW NASB 702	MW NASB 703
VOCs (µg/L)												
BENZENE	12	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U
ETHYLBENZENE	70	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U
TOLUENE	1,400	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U
XYLENES, TOTAL	14,000	1 U	1 UJ	1 UJ	1 U	1 UJ	1 U	1 U	1 UJ	1 U	1 U	1 U
TOTAL BTEX	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MTBE	35	1 U	1 UJ	1 UJ	**6.4 J**	**5.5 J**	1 U	1 U	1 UJ	1 U	1 U	1 U
TPH (µg/L)												
TPH-DRO	50	50 U	50 U	50 U	50 U	50 U	50 U	50 UJ	50 U	50 U	50 U	50 U
TPH-GRO	50	--	--	--	--	--	--	--	--	**62**	10 U	10 U
MNA PARAMETERS (mg/L unless otherwise noted)												
ALKALINITY	--	**30**	**29**	**8.8**	**24**	**17**	**190**	**200**	**30**	**69**	**40**	**13**
NITRATE	10 mg/L	0.1 U	**1.1**	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	**3.1**	0.1 U	**0.44**	**0.8**
SULFATE	--	**2.3**	**20**	**4.8**	**11**	**11**	**2.6**	1 U	**18**	**45**	**4.5**	**18**
TOTAL ORGANIC CARBON	--	**1.3**	**1.6**	**3.1**	**3.2**	**3.1**	**1.6**	**2.7**	**8.8**	**21**	**8.4**	**2.6**
FERROUS IRON	--	0.025 U	**0.068**	0.025 U	**7.4**	**7.4**	0.025 U	**15**	**1.2**	**6.6**	**1.4**	**0.22**
METHANE *	--	**9.9 J**	5 U	5 R	**160**	**210**	5 R	**1000**	5 U	**1100 J**	5 R	5 R

NOTES:

* Concentrations for Methane are in µg/L.

DUP = Field duplicate sample, J = Estimated Value, U = Undetected Value, R = Rejected Value, NA = Not available, ND = Not Detected, -- = Not analyzed or no MEG concentration.

Bold type denotes analyte detection.

Shaded boxes denote exceedances of MEG.

TABLE 3-3
GROUNDWATER ANALYTICAL RESULTS SUMMARY
GROUNDWATER MONITORING REPORT FOR OCTOBER 2005 SAMPLING EVENT
OLD NAVY FUEL FARM
NAVAL AIR STATION, BRUNSWICK, MAINE

Chemical	MEG (µg/L)	MW NASB 51	MW NASB 58	MW NASB 62	MW NASB 98	MW NASB 207	MW NASB 208BR	MW NASB 208BR(DUP2)	MW NASB 210	MW NASB 701	MW NASB 701(DUP1)	MW NASB 702	MW NASB 703
VOCs (µg/L)													
BENZENE	12	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
ETHYLBENZENE	70	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
TOLUENE	1,400	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
XYLENES, TOTAL	14,000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
TOTAL BTEX	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MTBE	35	1 U	1 U	1 U	**0.44 J**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
TPH (µg/L)													
TPH-DRO	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	**1500 J**	50 U
TPH-GRO	50	--	--	--	--	--	--	--	--	5 U	5 U	**34**	5 U
MNA PARAMETERS (mg/L unless otherwise noted)													
ALKALINITY	--	**28**	**42**	**14**	**25**	**170**	**200**	**188**	**30**	**75**	**11**	**38**	**10**
NITRATE	10 mg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	**0.21**	0.1 U	**0.63**	**0.22**	**0.68**
SULFATE	--	**5**	**27**	6 U	**10**	**5.2**	**2.6**	**3.2**	**15**	**30**	**24**	**18**	**25**
TOTAL ORGANIC CARBON	--	**1.8**	**5.8**	**3.9**	**5.7**	**4.4**	**7.4**	**5.3**	**13**	**23**	**3.6**	**22**	**3.5**
FERROUS IRON	--	**0.79**	**1.1**	**0.13**	**10**	**0.04**	**16**	**18**	**0.94**	**0.66**	**0.23**	**0.55**	**0.25**
METHANE *	--	**58**	10 U	10 U	**170**	**14**	**1400**	**1400**	10 U	**790**	10 U	**190**	10 U

NOTES:

* Concentrations for Methane are in µg/L.

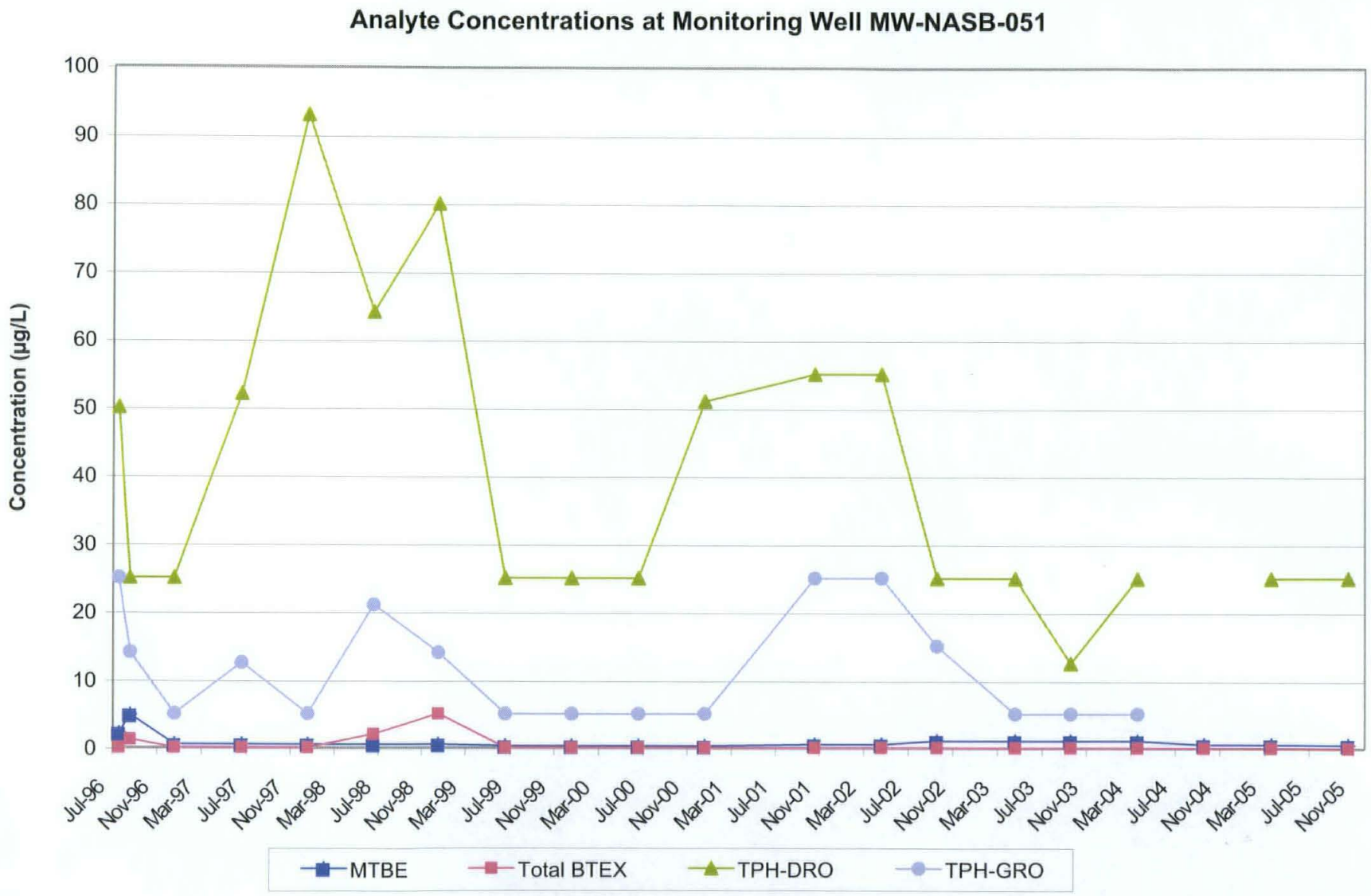
DUP = Field duplicate sample, J = Estimated Value, U = Undetected Value, NA = Not available, ND = Not Detected, -- = Not analyzed or no MEG concentration.

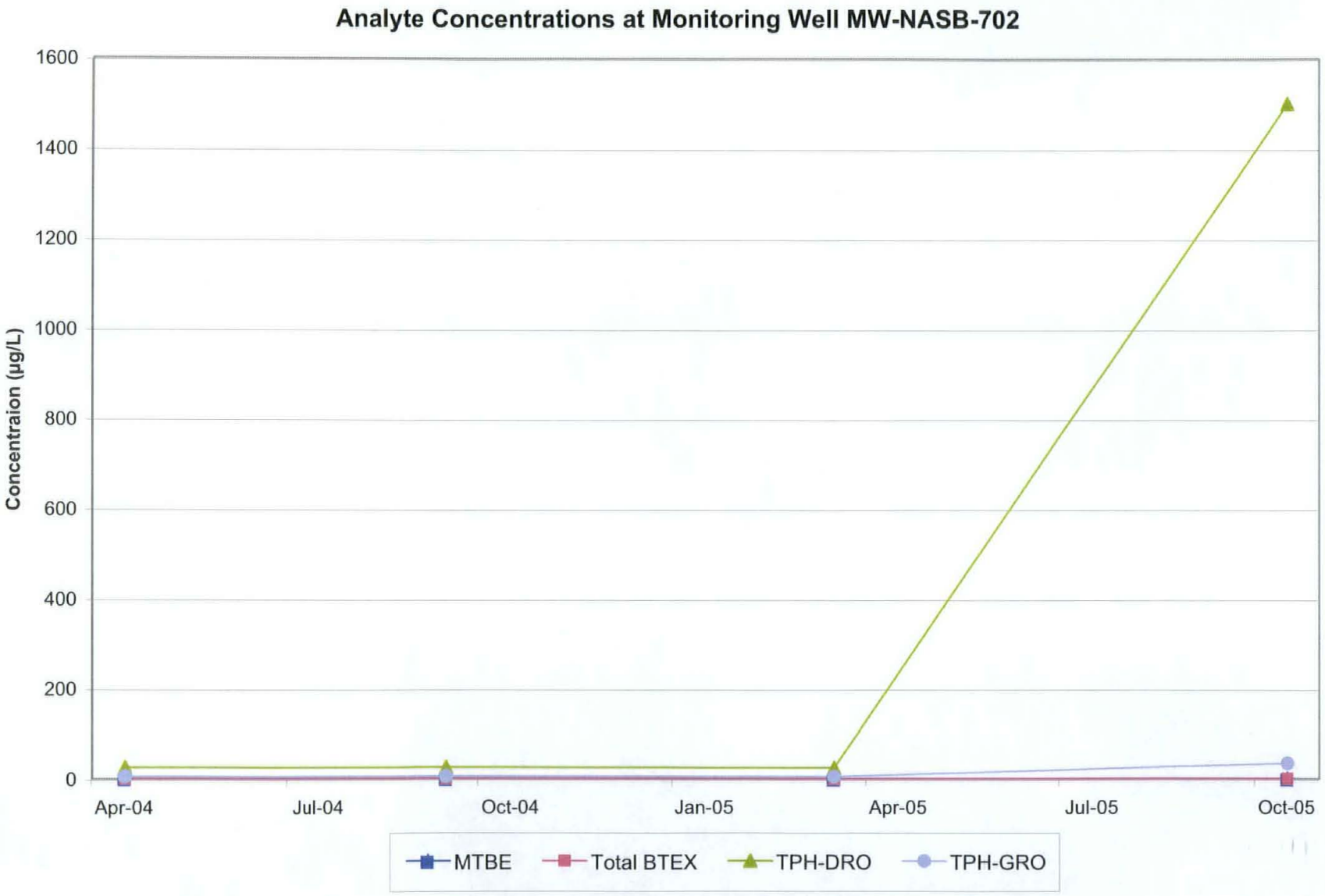
Bold type denotes analyte detection.

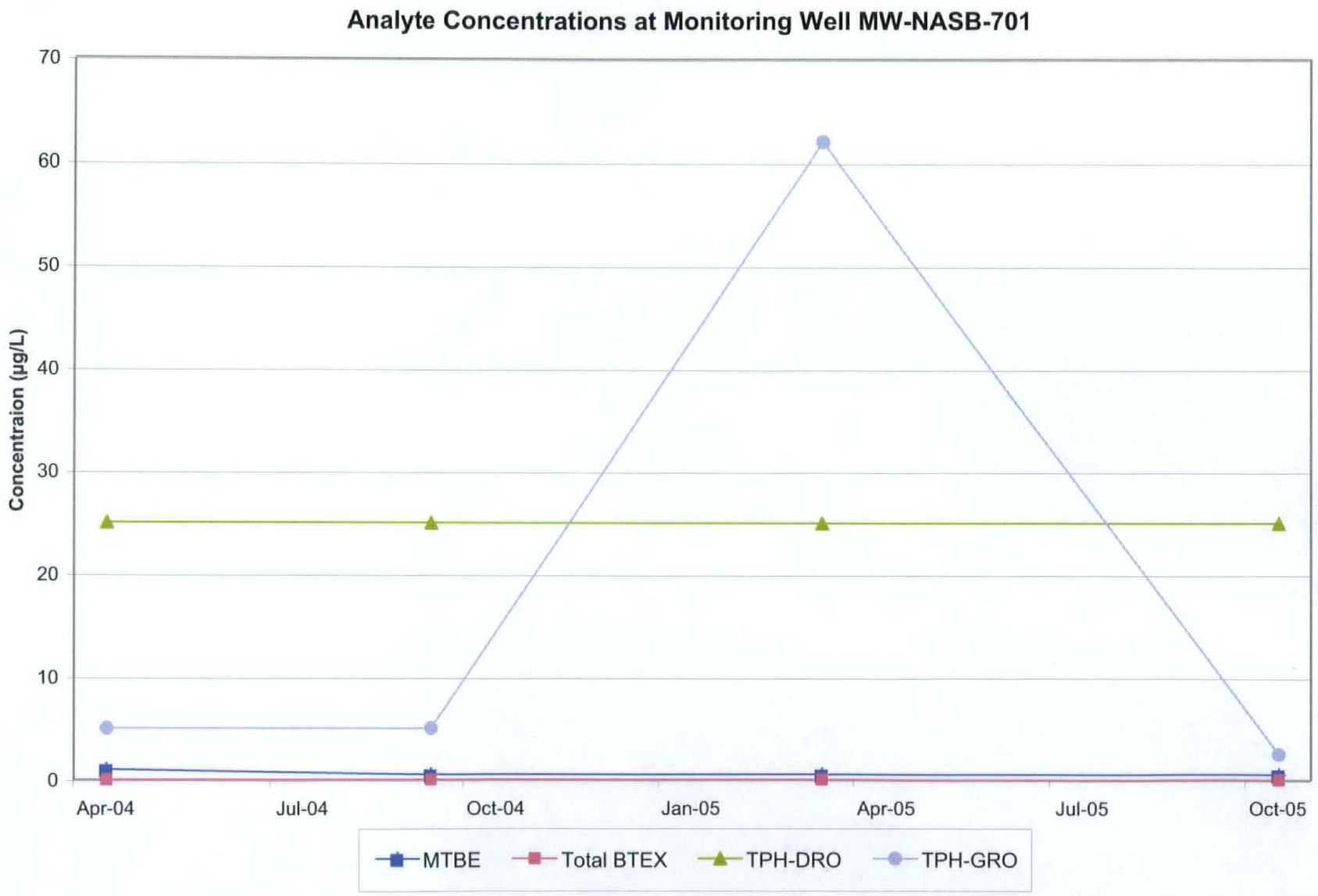
Shaded boxes denote exceedances of MEG.

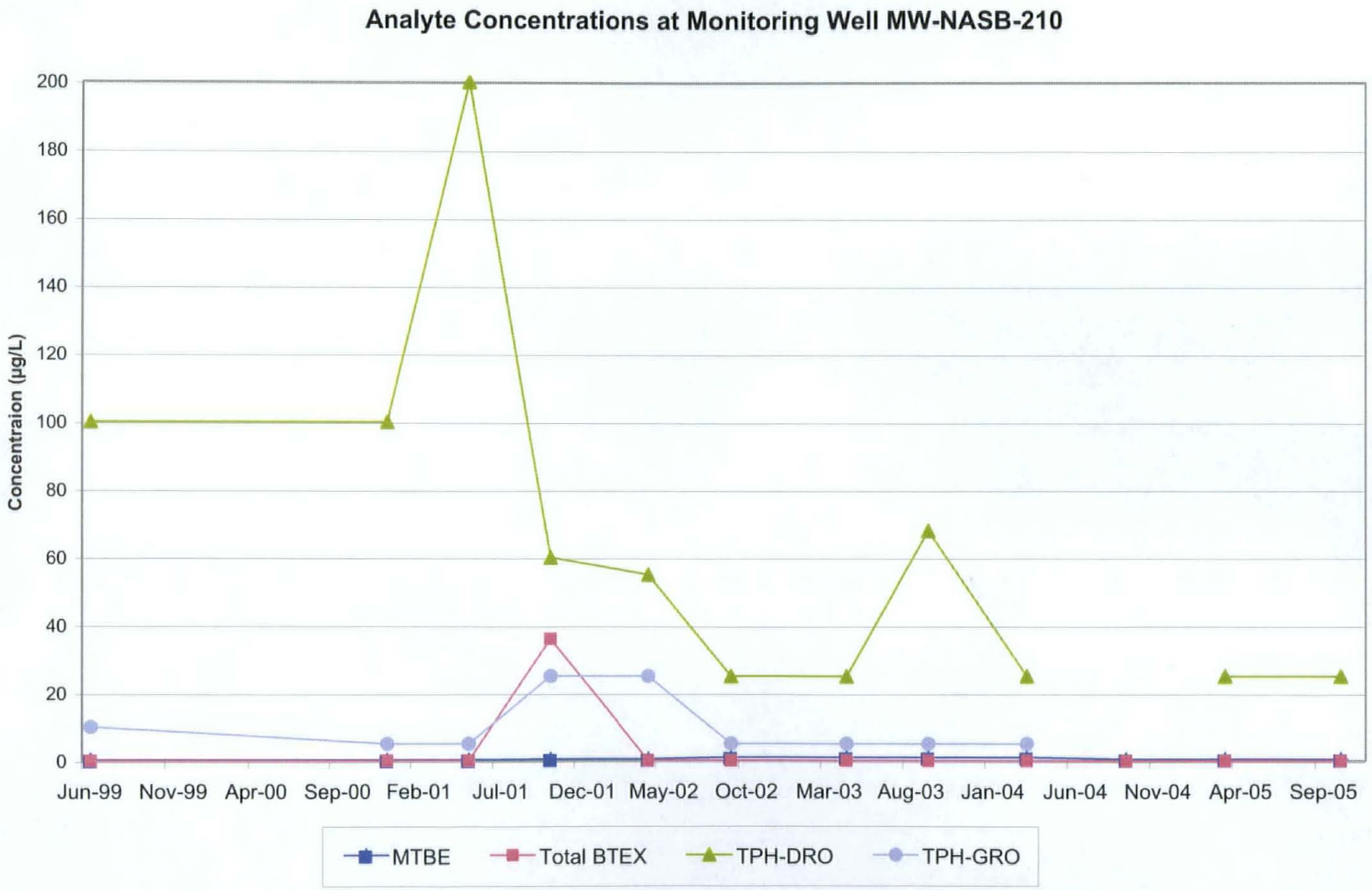
Appendix A

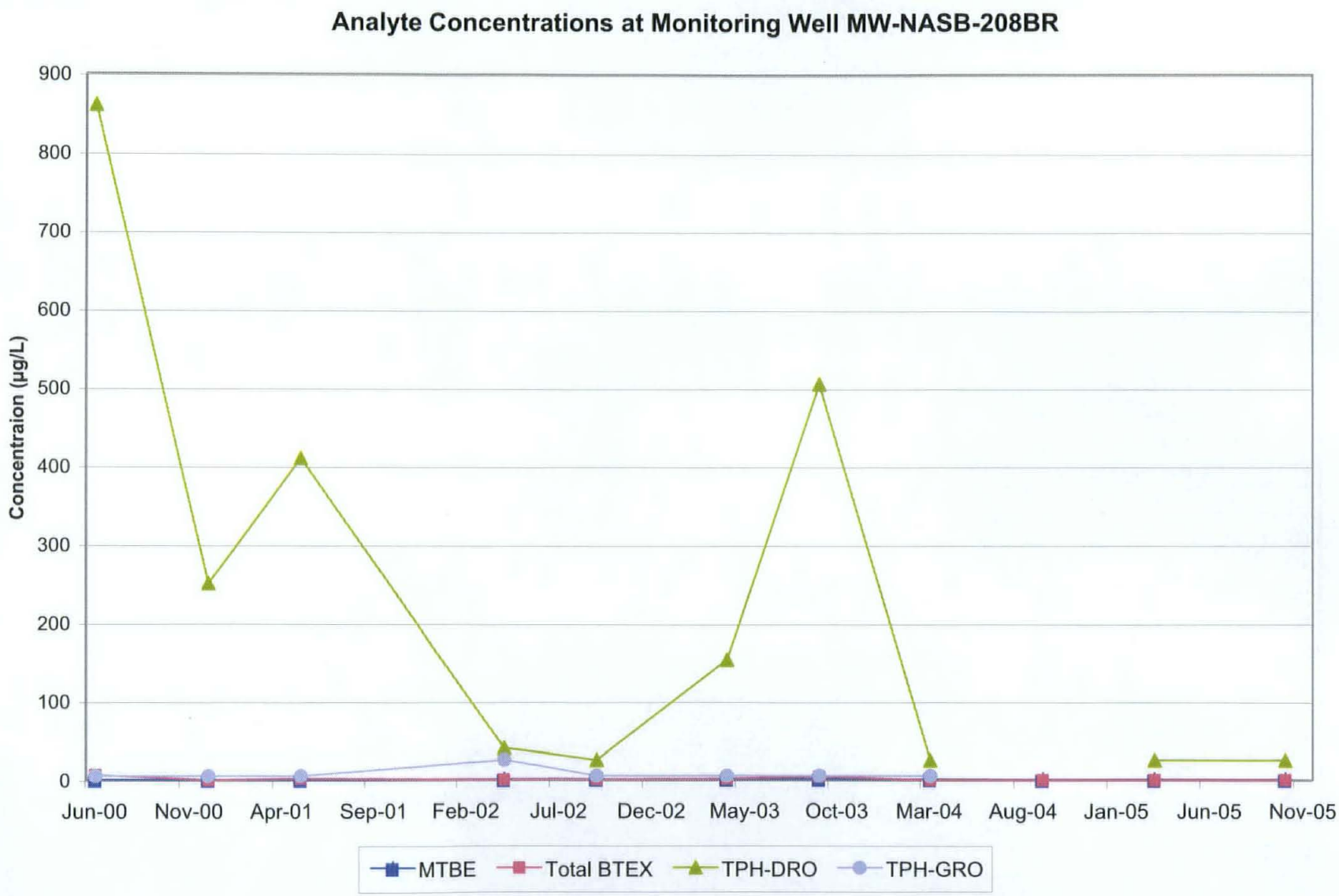
Trend Graphs

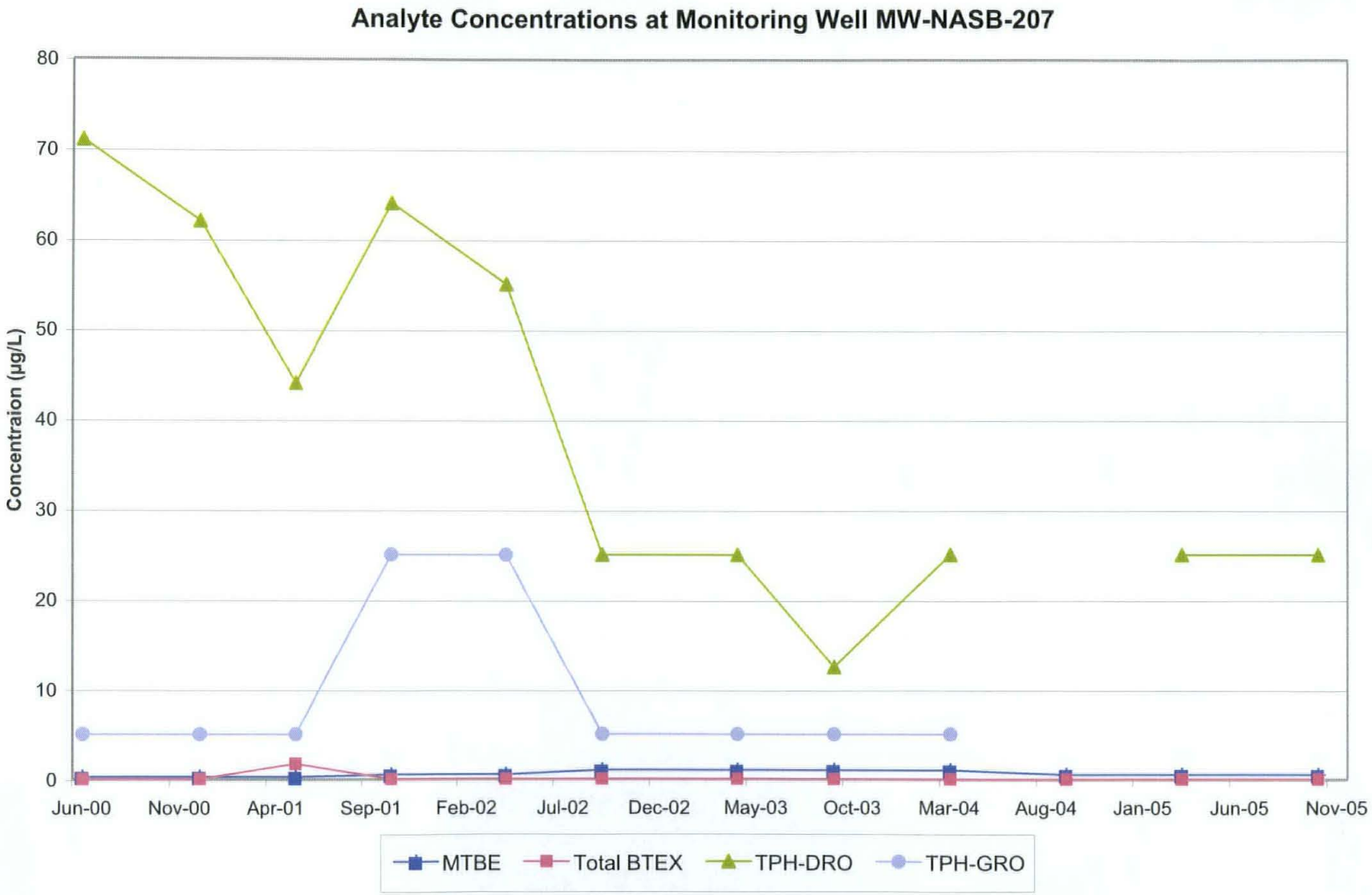

Analyte Concentrations at Monitoring Well MW-NASB-051
Concentration (µg/L)
100
90
80
70
60
50
40
30
20
10
0
Jul-96
Nov-96
Mar-97
Jul-97
Nov-97
Mar-98
Jul-98
Nov-98
Mar-99
Jul-99
Nov-99
Mar-00
Jul-00
Nov-00
Mar-01
Jul-01
Nov-01
Mar-02
Jul-02
Nov-02
Mar-03
Jul-03
Nov-03
Mar-04
Jul-04
Nov-04
Mar-05
Jul-05
Nov-05
MTBE
Total BTEX
TPH-DRO
TPH-GRO

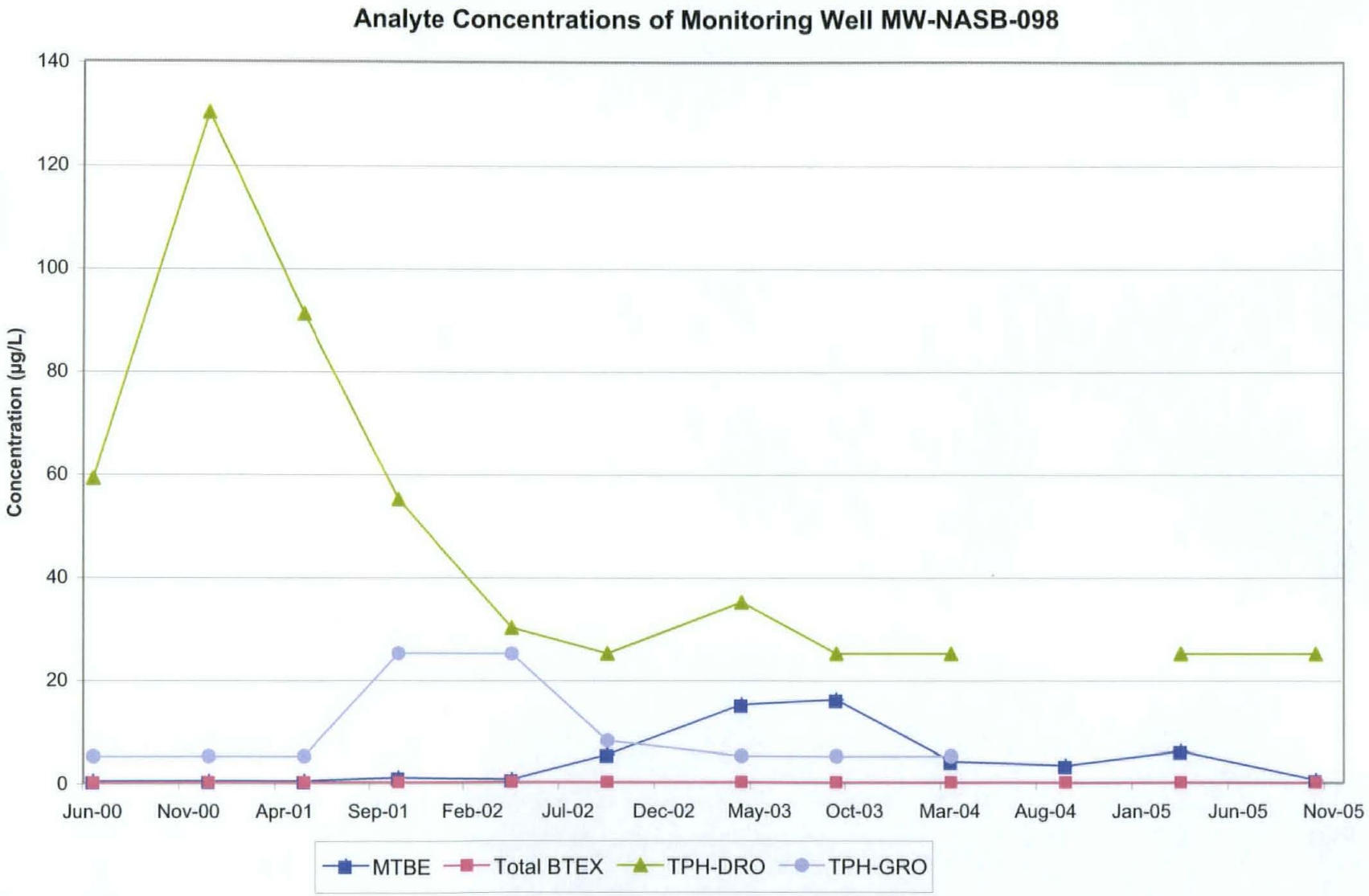

Analyte Concentrations at Monitoring Well MW-NASB-702
Concentraion (µg/L)
1600
1400
1200
1000
800
600
400
200
0
Apr-04
Jul-04
Oct-04
Jan-05
Apr-05
Jul-05
Oct-05
MTBE
Total BTEX
TPH-DRO
TPH-GRO

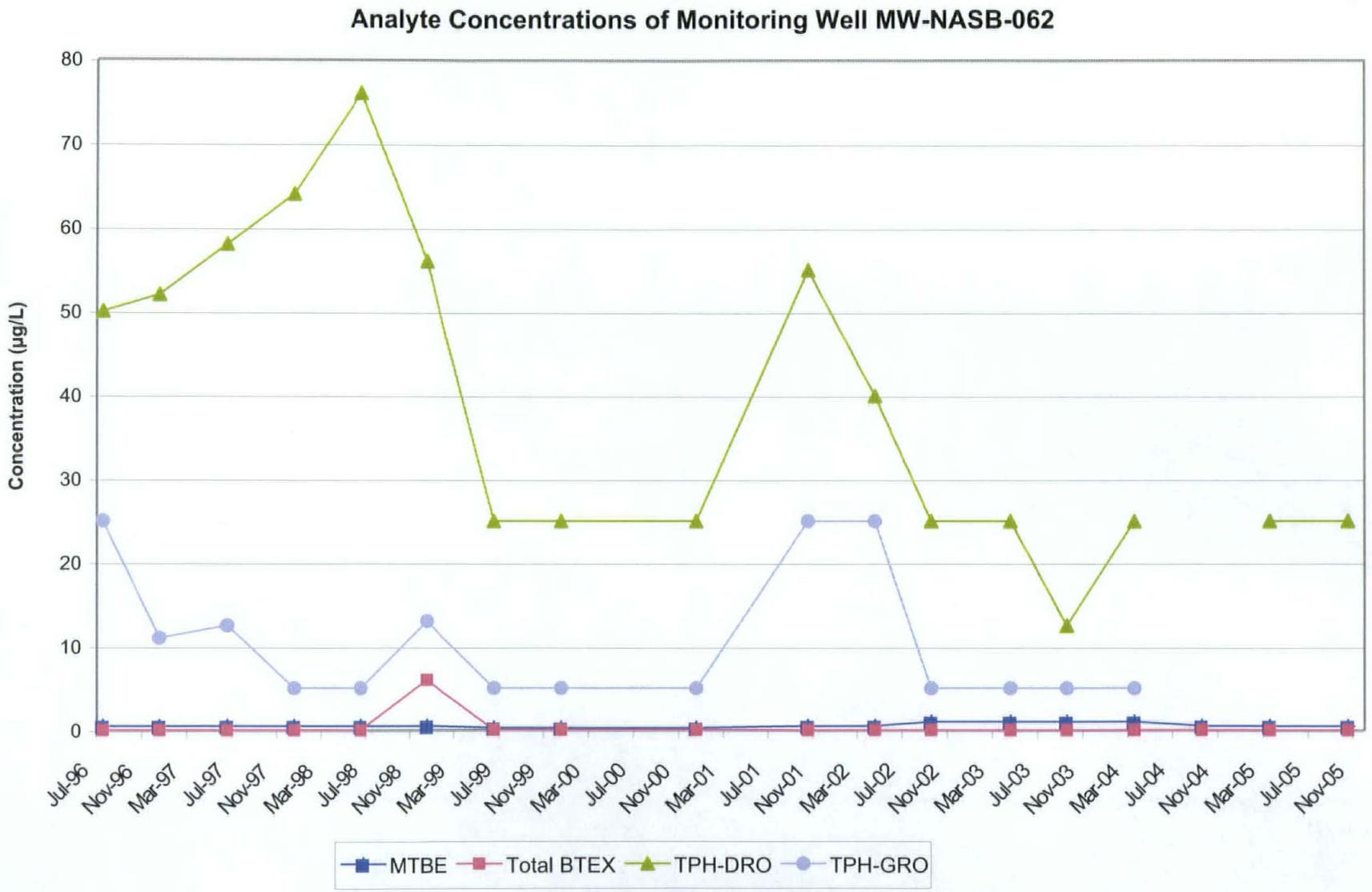

Analyte Concentrations at Monitoring Well MW-NASB-701
Concentraion (µg/L)
70
60
50
40
30
20
10
0
Apr-04
Jul-04
Oct-04
Jan-05
Apr-05
Jul-05
Oct-05
MTBE
Total BTEX
TPH-DRO
TPH-GRO

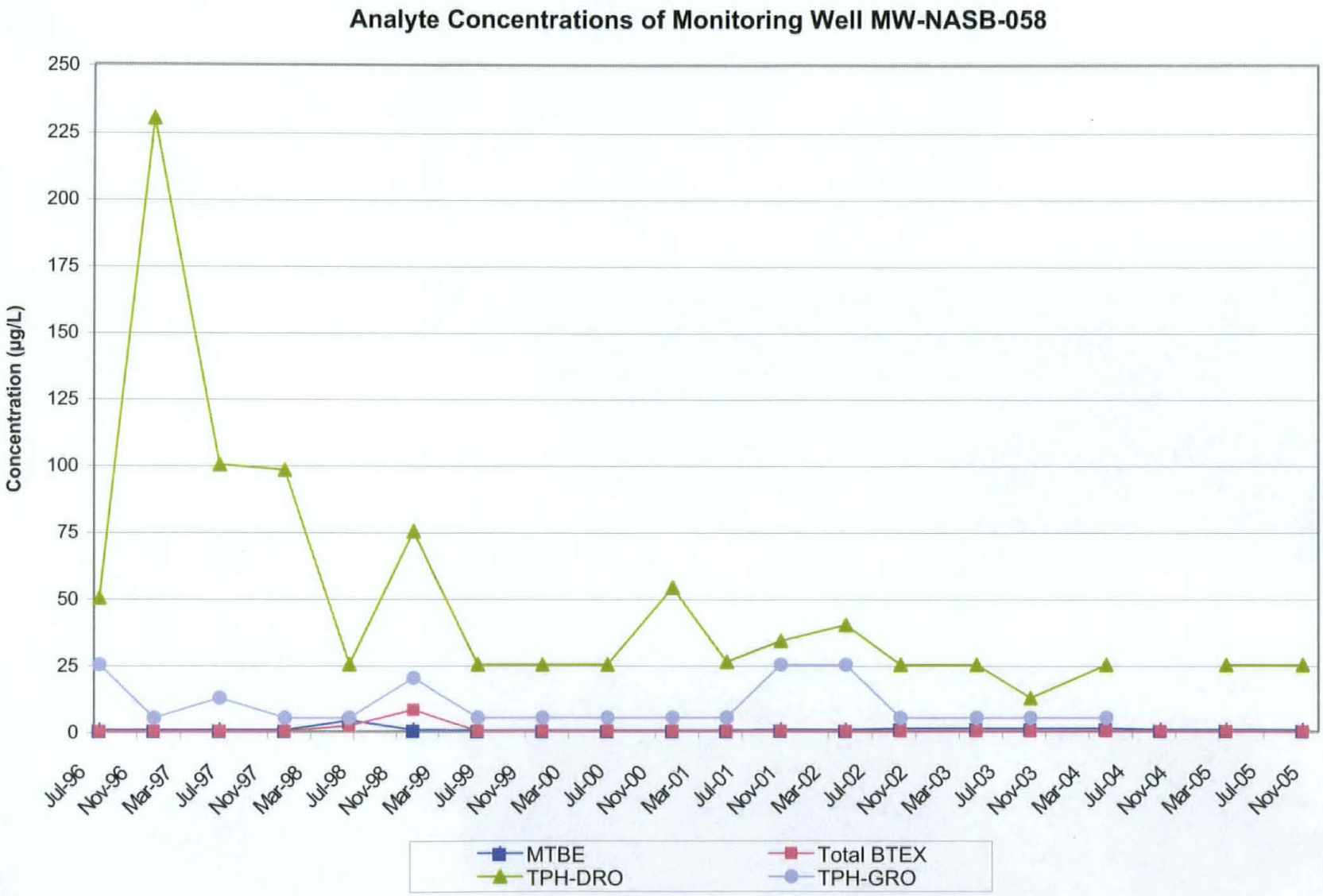

Analyte Concentrations at Monitoring Well MW-NASB-210
Concentraion (µg/L)
200
180
160
140
120
100
80
60
40
20
0
Jun-99
Nov-99
Apr-00
Sep-00
Feb-01
Jul-01
Dec-01
May-02
Oct-02
Mar-03
Aug-03
Jan-04
Jun-04
Nov-04
Apr-05
Sep-05
MTBE
Total BTEX
TPH-DRO
TPH-GRO

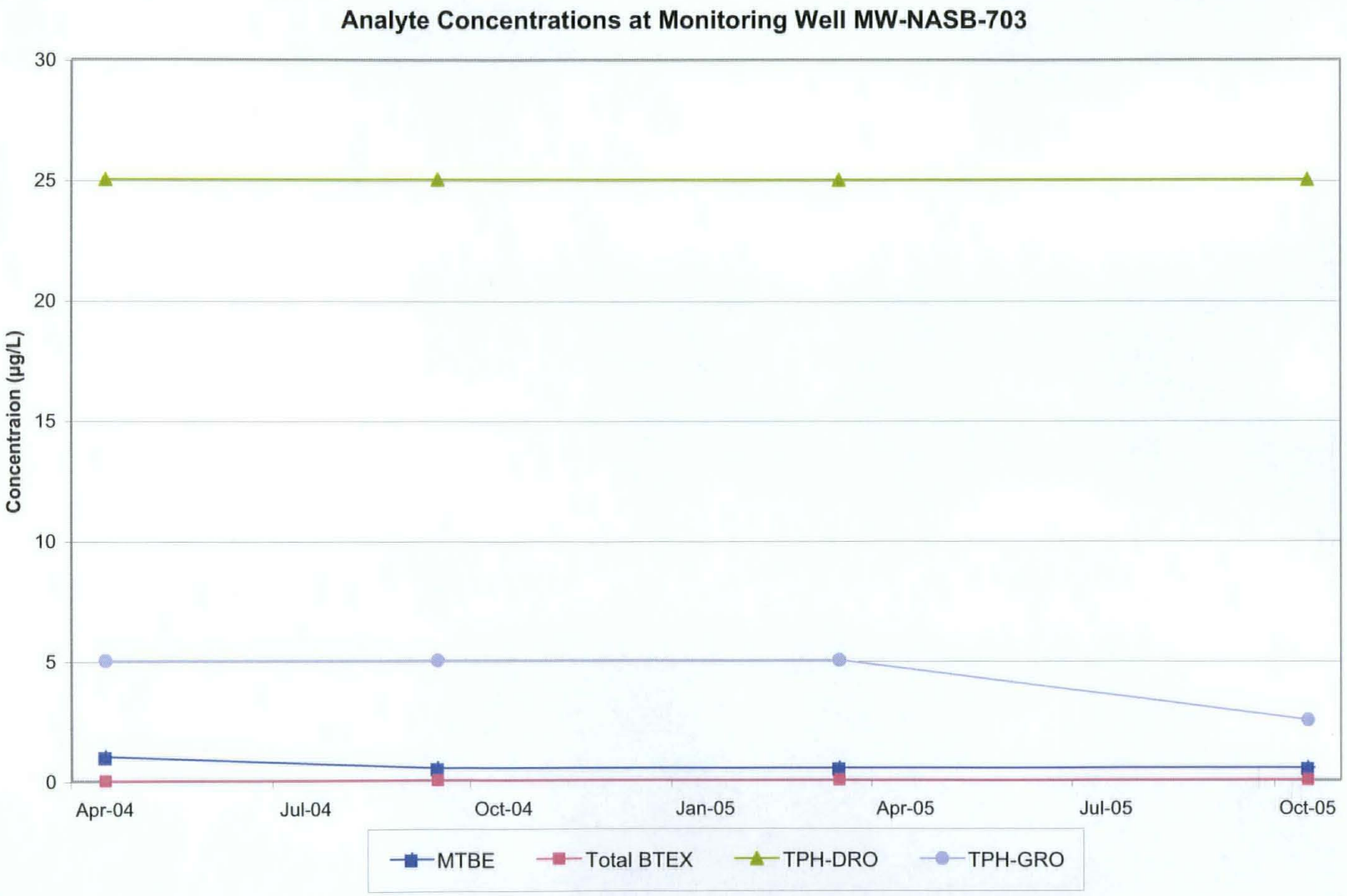

Analyte Concentrations at Monitoring Well MW-NASB-208BR
Concentraion (µg/L)
900
800
700
600
500
400
300
200
100
0
Jun-00
Nov-00
Apr-01
Sep-01
Feb-02
Jul-02
Dec-02
May-03
Oct-03
Mar-04
Aug-04
Jan-05
Jun-05
Nov-05
MTBE
Total BTEX
TPH-DRO
TPH-GRO


Analyte Concentrations at Monitoring Well MW-NASB-207
Concentraion (µg/L)
80
70
60
50
40
30
20
10
0
Jun-00
Nov-00
Apr-01
Sep-01
Feb-02
Jul-02
Dec-02
May-03
Oct-03
Mar-04
Aug-04
Jan-05
Jun-05
Nov-05
MTBE
Total BTEX
TPH-DRO
TPH-GRO


Analyte Concentrations of Monitoring Well MW-NASB-098
Concentration (µg/L)
140
120
100
80
60
40
20
0
Jun-00
Nov-00
Apr-01
Sep-01
Feb-02
Jul-02
Dec-02
May-03
Oct-03
Mar-04
Aug-04
Jan-05
Jun-05
Nov-05
MTBE
Total BTEX
TPH-DRO
TPH-GRO


Analyte Concentrations of Monitoring Well MW-NASB-062
Concentration (µg/L)
80
70
60
50
40
30
20
10
0
Jul-96
Nov-96
Mar-97
Jul-97
Nov-97
Mar-98
Jul-98
Nov-98
Mar-99
Jul-99
Nov-99
Mar-00
Jul-00
Nov-00
Mar-01
Jul-01
Nov-01
Mar-02
Jul-02
Nov-02
Mar-03
Jul-03
Nov-03
Mar-04
Jul-04
Nov-04
Mar-05
Jul-05
Nov-05
MTBE
Total BTEX
TPH-DRO
TPH-GRO


Analyte Concentrations of Monitoring Well MW-NASB-058
Concentration (µg/L)
250
225
200
175
150
125
100
75
50
25
0
Jul-96
Nov-96
Mar-97
Jul-97
Nov-97
Mar-98
Jul-98
Nov-98
Mar-99
Jul-99
Nov-99
Mar-00
Jul-00
Nov-00
Mar-01
Jul-01
Nov-01
Mar-02
Jul-02
Nov-02
Mar-03
Jul-03
Nov-03
Mar-04
Jul-04
Nov-04
Mar-05
Jul-05
Nov-05
MTBE
Total BTEX
TPH-DRO
TPH-GRO


Analyte Concentrations at Monitoring Well MW-NASB-703
Concentraion (µg/L)
30
25
20
15
10
5
0
Apr-04
Jul-04
Oct-04
Jan-05
Apr-05
Jul-05
Oct-05
MTBE
Total BTEX
TPH-DRO
TPH-GRO

Appendix B

Field Records of Well Gauging, Purging, and Sampling Forms

GROUNDWATER MEASUREMENTS FOR MARCH 2005 SAMPLING EVENT
OLD NAVY FUEL FARM
NAVAL AIR STATION, BRUNSWICK, MAINE

Date: 3/7/05 Instrument: Solinst Interface Meter 00606, P.I.D. ED FN 311

Weather: 20°, overcast Personnel: David Comeau

Well I.D.	Depth to Water (feet) *	Time	Well condition	P.I.D. Reading (ppm)	Comments
MW-NASB-046	5.49	1550	OK	0.0	
MW-NASB-049	5.67	1555	OK	0.0	
MW-NASB-051	4.50	1545	OK	0.0	
MW-NASB-058	6.18	1600	OK	0.0	
MW-NASB-062	8.61	1620	OK	0.0	
MW-NASB-098	7.60	1525	OK	0.0	
MW-NASB-206	5.64	1615	OK	0.0	
MW-NASB-207	6.54	1630	OK	0.0	
MW-NASB-208BR	6.21	1510	OK	0.0	Flush Mount
MW-NASB-209R	5.37	1500	OK	0.0	Flush Mount
MW-NASB-210	8.13	1530	OK	0.0	
MW-NASB-244	4.69	1610	OK	0.0	Flush Mount
MW-NASB-245	6.11	1515	OK	0.0	Flush Mount
MW-NASB-701	7.33	1520	OK	0.0	
MW-NASB-702	7.14	1535	OK	0.0	Broken cap
MW-NASB-703	7.17	1540	OK	0.0	

* Depth to water is the distance in feet from the measuring point (top of riser pipe) to the water.

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Old Navy Fuel Farm
Location: NASB, Brunswick, ME
Well ID: MW-208BR

Date: 3-14-05
Sampler: David C.
PID Reading: 0.0ppm

Start Time: 8:46 **End Time:** 10:50
W ll Construction: 2" PVC Grundfos
Depth to water: 6.32'
Well Depth: 19.60'
Water Column: 13.28'
Total Volume Removed (L) 21.08

Field Testing Equipment

Make	Model	Serial #
YSI	650MDS	02E0534 AS
YSI	600XLM	02B0815 AG
Lamotte	Turbidimeter	3292-2202
Solinst	water meter	00606

Time	volume removed (liters)	Flow Rate (ml/min)	Depth To Water (ft)	Temp (celsius)	pH (STD)	SPC uS/cm[c]	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
8:50	0.68	170	7.13	10.58	6.35	527	4.77	28	>1000	Tan
9:00	1.7	170	7.23	12.04	6.18	535	2.67	15	400	cloudy
9:10	1.7	170	7.26	14.64	6.25	538	2.87	7	350	cloudy
9:30	3.4	170	7.30	15.95	6.26	545	3.06	-1	200	cloudy
9:50	3.4	170	7.30	16.75	6.26	550	3.23	-6	100	cloudy
10:10	3.4	170	7.30	17.22	6.24	551	3.30	-8	60	cloudy
10:20	1.7	170	7.30	17.27	6.23	553	3.38	-9	45	cloudy
10:30	1.7	170	7.31	17.32	6.24	554	3.46	-10	45	cloudy
10:40	1.7	170	7.31	18.12	6.24	555	3.50	-12	40	cloudy
10:45	0.85	170	7.31	18.35	6.24	556	3.57	-14	40	cloudy
10:50	0.85	170	7.31	18.59	6.24	557	3.60	-15	37	cloudy
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
10:50	MW-NASB-208BR	40ml Vial	6	HCl	VOC, methane
10:50	MW-NASB-208BR	250ml Amber	1	H_2SO_4	TOC
10:50	MW-NASB-208BR	500ml Poly	1	HCl	Ferrous Iron
10:50	MW-NASB-208BR	500ml Poly	1	NONE	Nitrate, Sulfate, Alk.
10:50	MW-NASB-208BR	1L Amber	2	MeCl+HCl	DRO

Comments

Hach Test Kit for Ferrous Iron = 5.8 mg/L

Signature

3-14-05
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Old Navy Fuel Farm
Location: NASB, Brunswick, ME
Well ID: MW-062

Date: 3/10/05
Sampler: David C.
PID Reading: 0.0 ppm

Start Time: 8:40 **End Time:** 9:30
Well Construction: 2" PVC Grundfos
Depth to water: 8.51'
Well Depth: 16.60'
Water Column: 8.09'
Total Volume Removed (L) 7.4

Field Testing Equipment

Make	Model	Serial #
YSI	650MDS	02E0534 AS
YSI	600XLM	02B0815 AG
Lamotte	Turbidimeter	3292-2202
Solinst	water meter	00606

Tim	volume removed (liters)	Flow Rate (ml/min)	Depth To Water (ft)	Temp (celsius)	pH (STD)	SPC uS/cm[c]	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
8:45	2.0	400	8.62	5.46	6.53	127	7.82	164	27	cloudy
8:55	1.2	120	8.53	7.47	5.55	116	5.28	151	12	clear
9:05	1.2	120	8.52	8.53	5.53	113	3.67	149	9	clear
9:15	1.2	120	8.52	9.02	5.55	109	3.57	149	8	clear
9:20	0.6	120	8.52	9.55	5.56	109	3.64	148	8	clear
9:25	0.6	120	8.52	10.25	5.56	108	3.68	150	7	clear
9:30	0.6	120	8.52	10.78	5.56	108	3.67	152	7	clear
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
9:30	MW-NASB-062	40ml vial	6	HCl	VOC, Methane
9:30	MW-NASB-062	250ml Amber	1	H_2SO_4	TOC
9:30	MW-NASB-062	500ml Poly	1	HCl	Ferrous Iron
9:30	MW-NASB-062	500ml Poly	1	None	Nitrate, Sulfate, Alk.
9:30	MW-NASB-062	1L Amber	2	MeCl + HCl	DRO

Comments
Hach Test Kit for Ferrous Iron = 0.6 mg/L

Signature

3/10/05
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Old Navy Fuel Farm
Location: NASB, Brunswick, ME
Well ID: MW-051

Date: 3/10/05
Sampler: David C.
PID Reading: 0.0ppm

Start Time: 10:00 **End Time:** 10:35
Well Construction: 2" PVC Grundfos
Depth to water: 4.15'
Well Depth: 15.74'
Water Column: 11.59'
Total Volume Removed (L) 22.75

Field Testing Equipment

Make	Model	Serial #
YSI	650MDS	02E0534 AS
YSI	600XLM	02B0815 AG
Lamotte	Turbidimeter	3292-2202
Solinst	water meter	00606

Time	volume removed (liters)	Flow Rate (ml/min)	Depth To Water (ft)	Temp (celsius)	pH (STD)	SPC uS/cm[c]	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
10:05	3.25	650	4.58	4.96	5.38	115	2.98	214	100	cloudy
10:15	6.5	650	4.81	6.31	5.63	110	0.93	184	6	clear
10:20	3.25	650	4.82	6.21	5.64	109	0.95	181	5	clear
10:25	3.25	650	4.82	6.30	5.65	110	1.02	178	3	clear
10:30	3.25	650	4.82	6.25	5.64	111	1.00	176	2	clear
10:35	3.25	650	4.82	6.31	5.64	111	0.99	175	1	clear
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
10:35	MW-NASB-051	40ml vial	6	HCl	VOC, Methane
10:35	MW-NASB-051	250ml Amber	1	H_2SO_4	TOC
10:35	MW-NASB-051	500ml poly	1	HCl	Ferrous Iron
10:35	MW-NASB-051	500ml poly	1	None	Nitrate, Sulfate, Alk.
10:35	MW-NASB-051	1L Amber	2	MeCl + HCl	DRO

Comments

Grundfos Controller is on Lowest setting allowed, flow can not be ANY Lower.
Hach Test Kit for Ferrous Iron = 0.0 mg/L

Signature

3/10/05
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Old Navy Fuel Farm
Location: NASB. Brunswick, ME
Well ID: MW-207

Date: 3/10/05
Sampler: David C.
PID Reading: 0.0ppm

Start Time: 11:10 **End Time:** 12:10
Well Construction: 2" PVC Groundhog
Depth to water: 6.29'
Well Depth: 17.72'
Water Column: 11.43'
Total Volume Removed (L) 9

Field Testing Equipment

Make	Model	Serial #
YSI	650MDS	02E0534AS
YSI	600XLM	02B0815AG
Lamotte	Turbidimeter	3292-2202
Solinst	water meter	00606

Time	volume removed (liters)	Flow Rate (ml/min)	Depth To Water (ft)	Temp (celsius)	pH (STD)	SPC uS/cm^c	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
11:15	0.75	150	6.86	4.77	6.35	483	7.42	181	19	clear
11:25	1.5	150	6.96	5.17	6.37	515	4.10	174	15	clear
11:35	1.5	150	7.15	7.71	6.41	522	3.92	159	12	clear
11:45	1.5	150	7.11	9.26	6.42	523	3.75	155	8	clear
11:55	1.5	150	7.10	9.88	6.40	524	3.62	152	7	clear
12:00	0.75	150	7.09	10.14	6.40	525	3.61	151	7	clear
12:05	0.75	150	7.08	10.25	6.40	525	3.58	150	6	clear
12:10	0.75	150	7.08	10.31	6.40	525	3.55	150	6	clear
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
12:10	MW-NASB-207	40ml Vial	6	HCl	VOC, Methane
12:10	MW-NASB-207	250ml AMBER	1	H2SO4	TOC
12:10	MW-NASB-207	500ml Poly	1	HCl	Ferrous Iron
12:10	MW-NASB-207	500ml Poly	1	None	Nitrate, Sulfate, Alk.
12:10	MW-NASB-207	1L amber	2	MeCl + HCl	DRO

Comments

Hach Test Kit for Ferrous Iron: 0.0 mg/L

Signature

3/10/05
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Old Navy Fuel Farm
Location: NASB, Brunswick, ME
Well ID: MW-703

Date: 3/9/05
Sampler: David C.
PID Reading: 0.0ppm

Start Time: 11:40 **End Time:** 1315
Well Construction: 2" PVC Grundfos
Depth to water: 7.10'
Well Depth: 12.74'
Water Column: 5.64'
Total Volume Removed (L) 16.6

Field Testing Equipment

Make	Model	Serial #
YSI	650 MDS	02E0534 AS
YSI	600XLM	02B0815 AG
Lamotte	Turbidimeter	3292-2202
Solinst	water meter	00606

Time	volume removed (liters)	Flow Rate (ml/min)	Depth To Water (ft)	Temp (celsius)	pH (STD)	SPC uS/cm^c	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
11:45	1.3	260	7.17	4.82	5.56	128	7.36	183	150	Grey
11:55	1.7	170	7.16	5.47	5.50	122	4.16	180	75	cloudy
12:05	1.7	170	7.14	5.83	5.57	121	4.38	175	34	cloudy
12:15	1.7	170	7.13	5.10	5.55	121	4.66	177	21	cloudy
12:25	1.7	170	7.13	7.03	5.58	119	4.98	177	20	clear
12:45	3.4	170	7.13	8.30	5.58	121	5.32	178	21	clear
1305	3.4	170	7.13	8.35	5.55	120	5.52	197	8	clear
1310	0.85	170	7.13	8.40	5.57	120	5.54	185	8	clear
1315	0.85	170	7.13	8.37	5.58	121	5.55	181	7	clear
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
1315	MW-NASB-703	40ml vial	8	HCl	VOC, methane, Gro
1315	MW-NASB-703	250ml amber	1	H_2SO_4	TOC
1315	MW-NASB-703	500ml Poly	1	HCl	Ferrous Iron
1315	MW-NASB-703	500ml Poly	1	None	Nitrate, Sulfate, Alk.
1315	MW-NASB-703	1 L Amber	2	MeCl + HCl	DRO

Comments
Hach Test Kit for Ferrous Iron = 0.0 mg/L

Signature

3/9/05
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Old Navy Fuel Farm
Location: NASB, Brunswick, ME
Well ID: MW-701

Date: 3/8/05
Sampler: David C.
PID Reading: 0.0ppm

Start Time: 10:30 **End Time:** 11:40
Well Construction: 2" PVC Grundfos
Depth to water: 7.33'
Well Depth: 15.48'
Water Column: 8.15'
Total Volume Removed (L) 9.8

Field Testing Equipment

Make	Model	Serial #
YSI	650MDS	02E0534 AS
YSI	600XLM	02B0815 AG
Lamotte	Turbidimeter	3292-2202
Solinst	water meter	00606

Time	volume removed (liters)	Flow Rate (ml/min)	Depth To Water (ft)	Temp (celsius)	pH (STD)	SPC uS/cm^c	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
10:35	2.0	400	7.39	6.33	5.43	306	1.25	93	75	cloudy
10:45	1.2	120	7.31	6.94	5.52	331	0.99	87	34	clear
10:55	1.2	120	7.30	5.79	5.48	333	1.00	90	28	clear
11:05	1.2	120	7.29	7.32	5.50	335	1.22	86	22	clear
11:15	1.2	120	7.29	8.68	5.57	337	1.45	73	12	clear
11:25	1.2	120	7.30	8.52	5.53	342	1.05	68	9	clear
11:30	0.6	120	7.30	8.35	5.50	341	0.99	65	9	clear
11:35	0.6	120	7.30	8.21	5.52	340	1.01	61	8	clear
11:40	0.6	120	7.30	8.17	5.53	339	1.05	60	8	clear
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
11:40	MW-NASB-701	40ml vial	3	HCl	VOC
11:40	MW-NASB-701	40ml vial	3	HCl	Methane
11:40	MW-NASB-701	40ml vial	2	HCl	GRO
11:40	MW-NASB-701	250ml Amber	1	H_2SO_4	TOC
11:40	MW-NASB-701	500ml Poly	1	HCl	Ferrous Iron
11:40	MW-NASB-701	500ml Poly	1	None	Nitrate, Sulfate, Alk.
11:40	MW-NASB-701	1 L amber	2	MeCl + HCl	DRO

Comments

Hach Test Kit for Ferrous Iron = 2.4 mg/L

Signature

3/8/05
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Old Navy Fuel Farm
Location: NASB, Brunswick, ME
Well ID: MW-702

Date: 3/8/05
Sampler: David C.
PID Reading: 0.0ppm

Start Time: 12:30 **End Time:** 1435
Well Construction: 2" PVC Grundfos
Depth to water: 7.09'
Well Depth: 14.90'
Water Column: 7.81'
Total Volume Removed (L) 20.95

Field Testing Equipment

Make	Model	Serial #
YSI	650MDS	02E0534 AS
YSI	600XLM	02B0815 AG
Lamotte	Turbidimeter	3292-2202
Solinst	water meter	00606

Time	volume removed (liters)	Flow Rate (ml/min)	Depth To Water (ft)	Temp (celsius)	pH (STD)	SPC uS/cm[c]	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
12:35	1.75	350	7.38	5.77	5.98	145	7.34	107	>1000	Grey
12:45	1.6	160	7.16	6.10	5.95	150	5.47	115	>1000	Grey
12:55	1.6	160	7.16	7.05	5.99	150	5.47	125	>1000	Grey
1315	3.2	160	7.16	6.17	5.89	145	5.98	142	110	Cloudy
1335	3.2	160	7.16	7.60	5.94	142	5.38	147	95	cloudy
1355	3.2	160	7.16	7.97	5.96	143	5.30	153	55	cloudy
1405	1.6	160	7.16	8.10	5.90	140	5.35	159	50	cloudy
1415	1.6	160	7.16	8.06	5.91	140	5.58	150	50	cloudy
1420	0.8	160	7.16	8.19	5.93	142	5.63	162	45	cloudy
1425	0.8	160	7.16	8.23	5.93	143	5.67	162	45	cloudy
1430	0.8	160	7.16	8.35	5.93	144	5.68	163	40	cloudy
1435	0.8	160	7.16	8.40	5.93	143	5.70	164	40	cloudy
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
1435	MW-NASB-702	40ml vial	8	HCl	VOC, Methane, GRO
1435	MW-NASB-702	250ml Amber	1	H_2SO_4	TOC
1435	MW-NASB-702	500ml Poly	1	HCl	Ferrous Iron
1435	MW-NASB-702	500ml Poly	1	None	Nitrate, Sulfate, Alk.
1435	MW-NASB-702	1 L amber	2	MeCl + HCl	DRO

Comments

Hach Test Kit for Ferrous Iron: 0.0 mg/L

Signature

3/8/05
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Old Navy Fuel Farm
Location: NASB, Brunswick, ME
Well ID: MW-058

Date: 3/11/05
Sampler: David C.
PID Reading: 0.0ppm

Start Time: 10:30 **End Time:** 11:30
Well Construction: 2" PVC Grundfos
Depth to water: 6.22'
Well Depth: 16.07'
Water Column: 9.85'
Total Volume Removed (L) 12

Field Testing Equipment

Make	Model	Serial #
YSI	650MDS	02E0534 AS
YSI	600XLM	02B0815 AG
Lamotte	Turbidimeter	3292-2202
Solinst	water meter	00606

Time	volume removed (liters)	Flow Rate (ml/min)	Depth To Water (ft)	Temp (celsius)	pH (STD)	SPC uS/cm c	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
10:35	1.0	200	6.32	5.98	5.88	181	2.97	86	120	Grey
10:45	2.0	200	6.31	7.68	5.70	186	3.56	118	60	cloudy
10:55	2.0	200	6.31	11.20	5.75	187	2.76	118	21	clear
11:05	2.0	200	6.31	11.65	5.78	187	2.73	117	12	clear
11:15	2.0	200	6.31	12.28	5.84	187	2.87	121	8	clear
11:20	1.0	200	6.31	12.20	5.86	186	2.90	121	6	clear
11:25	1.0	200	6.31	11.98	5.87	186	2.93	122	5	clear
11:30	1.0	200	6.31	11.88	5.86	185	2.99	124	3	clear
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
11:30	MW-NASB-058	40ml vial	6	HCl	VOC, methane
11:30	MW-NASB-058	250ml Amber	1	H_2SO_4	TOC
11:30	MW-NASB-058	500ml Poly	1	HCl	Ferrous Iron
11:30	MW-NASB-058	500ml Poly	1	None	Nitrate, Sulfate, Alk.
11:30	MW-NASB-058	1L Amber	2	MeCl + HCl	DRO

Comments Hach Test Kit for Ferrous Iron = 0.6 mg/L

Signature

3/11/05
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Old Navy Fuel Farm
Location: NASB, Brunswick, ME
Well ID: MW-098
Start Time: 8:25 **End Time:** 9:45
Well Construction: 2" PVC Grundfos
Depth to water: 7.57'
Well Depth: 15.93'
Water Column: 8.36'
Total Volume Removed (L) 16

Date: 3/11/05
Sampler: David C.
PID Reading: 0.0ppm

Field Testing Equipment

Make	Model	Serial #
YSI	650MDS	02E0534 AS
YSI	600XLM	02B0815 AG
Lamotte	Turbidimeter	3292-2202
Solinst	water Meter	00606

Time	volume removed (liters)	Flow Rate (ml/min)	Depth To Water (ft)	Temp (celsius)	pH (STD)	SPC uS/cm^c	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
8:30	1.0	200	7.70	4.26	6.79	266	7.76	44	600	Brown
8:40	2.0	200	7.70	9.60	6.41	300	1.23	-2	170	Brown
8:50	2.0	200	7.70	13.07	6.43	301	1.13	-4	95	cloudy
9:10	4.0	200	7.70	12.88	6.21	278	1.19	1	34	clear
9:30	4.0	200	7.70	12.68	5.92	217	1.28	10	9	clear
9:35	1.0	200	7.70	12.73	5.89	212	1.32	16	8	clear
9:40	1.0	200	7.70	12.72	5.87	209	1.37	18	8	clear
9:45	1.0	200	7.70	12.69	5.85	206	1.40	20	8	clear
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
9:45	MW-NASB-098	40ml vial	6	HCl	VOC, methane
9:45	MW-NASB-098	250ml Amber	1	H_2SO_4	TOC
9:45	MW-NASB-098	500ml Poly	1	HCl	Ferrous Iron
9:45	MW-NASB-098	500ml Poly	1	None	Nitrate, Sulfate, Alk.
9:45	MW-NASB-098	1L Amber	2	MeCl + HCl	DRO
00:00	MW-NASB-DUP1	→ Same Bottles & Analyses as above.			
9:45	MW-NASB-098MS	40ml vial	6	HCl	VOC, methane
9:45	MW-NASB-098MSD	1 Amber	2	MeCl + HCl	DRO

Comments

Hach Test Kit for Ferrous Iron = 5.2 mg/L

Signature

3/11/05
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Old Navy Fuel Farm
Location: NASB, Brunswick, ME
Well ID: MW-210

Date: 3/11/05
Sampler: David C.
PID Reading: 0.0ppm

Start Time: 11:47 **End Time:** 1315
Well Construction: 2" PVC Grundfos
Depth to water: 8.15'
Well Depth: 16.61'
Water Column: 8.46'
Total Volume Removed (L) 15.84

Field Testing Equipment

Make	Model	Serial #
YSI	650 MDS	02E0534 AS
YSI	600XLM	02B0815 AG
Lamotte	Turbidimeter	3292-2202
Solinst	water meter	00606

Time	volume removed (liters)	Flow Rate (ml/min)	Depth To Water (ft)	Temp (celsius)	pH (STD)	SPC uS/cm^c	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
11:50	0.54	180	8.18	7.18	6.38	266	10.02	123	210	cloudy
12:00	1.8	180	8.18	8.05	6.26	267	8.08	134	340	cloudy
12:10	1.8	180	8.19	11.98	6.33	265	7.41	134	280	cloudy
12:30	3.6	180	8.18	12.82	6.20	213	6.05	145	32	clear
12:40	1.8	180	8.18	11.90	6.15	213	5.54	149	26	clear
1300	3.6	180	8.18	11.69	6.04	218	4.32	157	8	clear
1305	0.9	180	8.18	11.73	6.06	220	4.30	156	8	clear
1310	0.9	180	8.18	11.65	6.06	221	4.29	156	7	clear
1315	0.9	180	8.18	11.58	6.06	220	4.30	157	7	clear
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
1315	MW-NASB-210	40ml vial	6	HCl	VOC, methane
1315	MW-NASB-210	250ml Amber	1	H_2SO_4	TOC
1315	MW-NASB-210	500ml Poly	1	HCl	Ferrous Iron
1315	MW-NASB-210	500ml Poly	1	None	Nitrate, Sulfate, ALK.
1315	MW-NASB-210	1 L Amber	2	MeCl + HCl	DRO

Comments Hach Test Kit for Ferrous Iron = 0.0 mg/L

Signature

3/11/05
Date

INSTRUMENT CALIBRATION LOG

Project/Site Name NASB ONFF **Date** 3/14/05 **Weather** 30s, clear sky

Calibrated By David Comeau **Instrument** YSI 650MDS, YSI 600XLM **Serial Number** 02E0534 AS, 02B0815 AG

Parameters	Pre-calibration Reading	Post-calibration Reading	Temperature °C	Comments
Conductivity 1.413	1.671	1.502	17.30	
pH (7)	7.11	6.99	17.28	
pH (4)	3.93	3.96	17.26	
pH (10)	9.82	9.93	17.32	
ORP 240	236.5	238.2	17.38	
Dissolved Oxygen	95.4% 9.16mg/L	98.2% 10.02mg/L	17.29	
Barometric Pressure	753.9	754.3		

INSTRUMENT CALIBRATION LOG

Project/Site Name NASB ONFF **Date** 3/11/05 **Weather** 2°, clear sky

Calibrated By David Comeau **Instrument** YSI 650 MDS / YSI 600 XLM **Serial Number** 02E0534 AS / 02B0815 AG

Parameters	Pre-calibration Reading	Post-calibration Reading	Temperature °C	Comments
Conductivity 1.413	1.379	1.447	10.89	
pH (7)	6.99	7.07	10.83	
pH (4)	3.99	4.01	11.07	
pH (10)	9.87	9.95	11.10	
ORP 240	244.5	232.4	11.11	
Dissolved Oxygen	96.4 % 10.57 mg/l	92.4% 9.66 mg/l	11.28	
Barometric Pressure	748.8	751.1		

INSTRUMENT CALIBRATION LOG

Project/Site Name NASB ONFF **Date** 3/10/05 **Weather** 5°, clear sky

Calibrated By David Comeau **Instrument** YSI 650 MDS / YSI 600XLM **Serial Number** 02E0534 AS / 02B0815 AG

Parameters	Pre-calibration Reading	Post-calibration Reading	Temperature °C	Comments
Conductivity 1.413	1.383	1.379	11.69	
pH (7)	6.99	6.99	11.90	
pH (4)	4.01	3.99	11.93	
pH (10)	9.98	9.87	11.87	
ORP 240	238.9	244.5	11.87	
Dissolved Oxygen	108.1 % 11.87 mg/l	96.4 % 10.57 mg/l	11.22	
Barometric Pressure	743.5	748.8		

INSTRUMENT CALIBRATION LOG

Project/Site Name NASB ONFF **Date** 3/9/05 **Weather** 15°, windy

Calibrated By David Comeau **Instrument** YSI 650 MDS / YSI 600 XLM **Serial Number** 02E0534 AS / 0200815 AG

Parameters	Pre-calibration Reading	Post-calibration Reading	Temperature °C	Comments
Conductivity 1.413	1.178	1.383	11.53	
pH (7)	6.96	6.99	11.46	
pH (4)	3.96	4.01	11.39	
pH (10)	9.93	9.98	11.42	
ORP 240	252	238.9	11.37	
Dissolved Oxygen	102.3 % 11.23 mg/l	108.1 % 11.87 mg/l	11.20	
Barometric Pressure	740.1	743.5		

INSTRUMENT CALIBRATION LOG

Project/Site Name NASB ONFF **Date** 3/8/05 **Weather** 30°, Rain/Snow

Calibrated By David Comeau **Instrument** YSI 650 MDS, YSI 600 XLM **Serial Number** 02E0534 AS, 02B0815 AG

Parameters	Pre-calibration Reading	Post-calibration Reading	Temperature °C	Comments
Conductivity 1.413	1.091	1.178	18.59	
pH (7)	7.03	6.96	18.42	
pH (4)	3.90	3.96	18.68	
pH (10)	9.93	9.93	18.52	
ORP 240	254.0	252	18.63	
Dissolved Oxygen	93.1% 8.90 mg/l	102.3 % 11.23 mg/l	17.49	
Barometric Pressure	739.4	740.1		

INSTRUMENT CALIBRATION LOG

Project/Site Name NASB Old Navy Fuel Farm **Calibrated By** David Comeau

Instrument/Serial Number	Pre-calibration Reading	Post-calibration Reading	Calibration Gas/Concentration	Date
Photovac 20/20 PID EO FN 311	0.0 / 95.3	0.0 / 98.7	Isobutylene / 100ppm	3/7/05
Photovac 20/20 PID			Isobutylene / 100ppm	
Photovac 20/20 PID			Isobutylene / 100ppm	
Photovac 20/20 PID			Isobutylene / 100ppm	
Photovac 20/20 PID			Isobutylene / 100ppm	
Photovac 20/20 PID			Isobutylene / 100ppm	
Photovac 20/20 PID			Isobutylene / 100ppm	
Photovac 20/20 PID			Isobutylene / 100ppm	
Photovac 20/20 PID			Isobutylene / 100ppm	
Photovac 20/20 PID			Isobutylene / 100ppm	
Photovac 20/20 PID			Isobutylene / 100ppm	
Photovac 20/20 PID			Isobutylene / 100ppm	

INSTRUMENT CALIBRATION LOG

Project/Site Name NASB Old Navy Fuel Farm **Calibrated By** David Comeau

Instrument/Serial Number	Pre-cal 1.0 (NTU)	Pre-cal 10 (NTU)	Post-cal 1.0 (NTU)	Post-cal 10 (NTU)	Date
Lamotte Turbidimeter 3292-2202	0.95	10	1.0	10	3/8/05
Lamotte Turbidimeter 3292-2202	1.0	10	1.0	9.9	3/9/05
Lamotte Turbidimeter 3292-2202	1.0	9.9	1.0	10	3/10/05
Lamotte Turbidimeter 3292-2202	1.0	10	1.2	9.9	3/11/05
Lamotte Turbidimeter 3292-2202	1.1	9.9	1.0	10	3/14/05
Lamotte Turbidimeter					
Lamotte Turbidimeter					
Lamotte Turbidimeter					
Lamotte Turbidimeter					
Lamotte Turbidimeter					
Lamotte Turbidimeter					
Lamotte Turbidimeter					

FIELD RECORD OF WELL GAUGING

Project Name:	NASB, ME LTM ONFF Event	Weather:	clear, cool, breezy	Gauge Date:	9/27/2005
Project Number:	5700.007.1D1.002	Sounding Method:	slope indicator	Gauge Time:	9:00
ECC Personnel:	M. Carver				

Well Identification Number	Well Lock Status	Stick Up or F.M.	Well Physical Condition	VOC Concentrations Ambient Air (ppm)	VOC Concentrations Well Mouth (ppm)	Protective Casing Elevation (ft)	PVC Casing Elevation (ft)	Well Diameter (inches)	Total Depth of Well (ft)	Depth to Water (ft)	Depth to to Liquid (ft)	Water Table Elevation (ft)	Dedicated Pump
MW-NASB-046	Good	Stick Up	Good	ND	ND		71.30	2	15.39	5.94	ND	65.36	No
MW-NASB-049	Good	Stick Up	Good	ND	ND		68.29	2	12.46	5.74	ND	62.55	No
MW-NASB-051	Good	Stick Up	Good	ND	ND		73.41	2	15.85	6.52	ND	66.89	No
MW-NASB-058	Good	Stick Up	Good	ND	ND		69.80	2	16.13	6.34	ND	63.46	No
MW-NASB-062	Good	Stick Up	Good	ND	ND		80.73	2	16.45	10.15	ND	70.58	No
MW-NASB-206	Good	Stick Up	Good	ND	ND		59.01	2	11.45	5.91	ND	53.10	No
MW-NASB-207	Good	Stick Up	Good	ND	ND		66.22	2	17.80	6.70	ND	59.52	No
MW-NASB-208	None	F.M.	Good/Tar	ND	ND		74.55	2	8.57	6.19	ND	68.36	No
MW-NASB-209R	None	F.M.	Good	ND	ND		72.94	2	10.00	5.75	ND	67.19	No
MW-NASB-210	Good	Stick Up	Good	ND	ND		77.55	2	16.69	8.13	ND	69.42	No
MW-NASB-098	Good	Stick Up	Good	ND	ND		76.53	2	16.00	7.90	ND	68.63	No
MW-NASB-244	None	F.M.	Good	ND	ND		70.73	2	9.72	5.55	ND	65.18	No
MW-NASB-245	None	F.M.	Good	ND	ND		67.51	2	9.71	5.45	ND	62.06	No
MW-NASB-701	Good	Stick Up	Good	ND	ND			2	15.26	7.61	ND	-7.61	No
MW-NASB-702	Good	Stick Up	Good	ND	ND			2	14.66	7.18	ND	-7.18	No
MW-NASB-703	Good	Stick Up	Good	ND	ND			2	12.54	7.48	ND	-7.48	No

Comments:

Environm ntal Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: ONFF
Location: NASB, Brunswick, ME
Well ID: MW-NASB-051

Date: 10/4/05
Sampler: MAC
PID Reading:

Start Time: 1410 End Time: 1445
Well C nstruction:
Depth t water: 6.69
Well Depth: 15.50
Water C lumn: 8.81
Total V lum Removed (L) 20

Field Testing Equipment

Make	Model	Serial #
YSI	650MDS	02A0841AE
YSI	600XL	01L0629AD
Lamotte	2020	897-4598

Time	volume rem ved (liters)	Flow Rate (ml/min)	Depth To Water (ft)	Temp (celsius)	pH (STD)	SPC uS/cm^c	DO (mg/L)	ORP (mV)	Turbidity (NTU)	c l r
1420	–	200	6.69	15.43	5.89	105	1.24	148.9	29.7	Clear
1430	2.0	200	6.92	18.83	5.76	092	0.41	130.2	17.7	
1440	4.0	200	6.90	20.36	5.78	092	0.35	116.6	9.3	
1442	6.0	200	6.86	20.76	5.79	091	0.33	114.2	6.00	
1444	8.0	200	6.86	20.88	5.79	091	0.32	114.0	4.65	
Acc ptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Tim	Sample ID	Container	# of Bottles	Preservative	Analyses
1445	MW-NASB 051	40ML	3	HCL	VOC
		40ML	3	HCL	CH4
		~~40ML~~	~~2~~	~~HCL~~	
		1L Amb	2	HCL	DRO
		250ML Amb	1	H_2SO_4	TOC
		500ML poly	1	–	NO_3, SO_4, Alk
		500ML poly	1	HCL	FE II

Comments

Signature

10/4/02
Date

Environm ntal Ch mical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: ONFF
Location: NASB, Brunswick, ME
Well ID: MW-NASB-058

Date: 10/5/05
Sampler: MAC
PID Reading: —

Start Time: 0920 **End Time:**
Well Construction: 2" PVC
Depth to water: 6.39
Well Depth: 15.84
Water Column: 9.45
Total Volume Removed (L): 34.8

Field Testing Equipment

Make	Model	Serial #
YSI	650 MDS	02A0841 AE
YSI	600XL	01L0629 AD
Lamotte	2020	8970-4598

Time	volume removed (liters)	Flow Rate (ml/min)	Depth To Water (ft)	Temp (celsius)	pH (STD)	SPC uS/cm^c	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
0932		200	6.50	13.74	5.83	138	1.14	32.3	95	
0940	1.6	200	6.50	15.82	5.88	139	0.66	31.0	85	
0950	3.6	200	6.50	19.58	5.88	139	0.72	28.2	19	
1000	5.6	200	6.50	20.57	5.92	144	0.60	1.0	11	
1010	7.6	200	6.45	20.59	5.95	154	0.48	-12.1	7	
1012	8.0	200	6.45	20.19	5.95	156	0.59	-13.2	7	
1014	8.4	200	6.45	19.99	5.96	157	0.53	-13.6	7	
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Tim	Sample ID	Container	# of Bottles	Preservative	Analyses
1015	MW-NASB-058	40ML	3	HCL	VOC
		40ML	3	HCL	Methane
		1L Amber	2	HCL	DRO
		250ML Amber	1	H_2SO_4	TOC
		500ML Poly	1	—	NO3, SO4, ALK
		500ML Poly	1	HCl	FE II

Comments

Mark A. Co
Signature

10/5/05
Date

Environm ntal Ch mical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: ONF8
Location: NASB, Brunswick, ME
Well ID: MW-NASB-062

Date: 10/5/05
Sampler: MPK
PID Reading: –

Start Time: _____ **End Time:** 1130
Well Construction: 2" PVC
Depth to water: 10.30
Well Depth: 16.34
Water Column: 6.04
Total Volum Removed (L) 7.65

Field Testing Equipment

Make	Model	Serial #
YSI	650 MDS	02A0841 AE
YSI	600 XL	01L0629 AD
Lamotte	2020	8970-4598

Time	volume removed (liters)	Flow Rate (ml/min)	Depth To Water (ft)	Temp (celsius)	pH (STD)	SPC uS/cm c	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
1055		150	10.34	13.06	6.05	105	1.99	91.1	36	
1100	.75	150	10.42	13.03	5.97	104	1.16	107.4	23	
1110	2.25	150	10.36	17.84	5.95	102	1.66	118.5	11	
1120	3.75	150	10.45	19.51	5.96	102	1.28	122.2	8	
1123	.45	150	10.42	18.31	5.95	102	0.97	129.3	7	
1126	.45	150	10.42	18.00	5.95	100	1.00	127.9	5	
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Tim	Sample ID	Container	# of Bottles	Preservative	Analyses
1130	MW-NASB-062	40ML	3	HCL	VOC
		40ML	3	HCL	Methane
		1L Amber	2	HCL	DRO
		250ML Amber	1	H_2SO_4	TOC
		500ML Poly	1	—	NO3, SO4, ALK
		500ML Poly	1	HCl	FE II

Comm nts
1114 Flow dropping - cycled pump

Signature

10/5/05
Date

Environm ntal Chemical C rporation

Low Flow/Low Stress Groundwater Sampling Log

Project: ONFF
Location: NASB, Brunswick, ME
Well ID: MW-NASB-098

Date: 10/5/05
Sampler: MAC
PID Reading: –

Start Time: _____ **End Time:** 1310
Well Construction: 2" PVC
D pth to water: 8.21
Well Depth: 15.76
Water Column: 1.55
Total Volume Removed (L) 62.8

Field Testing Equipment

Make	Model	Serial #
YSI	650 MDS	02A0841 AE
YSI	600XL	01L0629 AD
LaMotte	2020	8970-4598

Time	volume removed (liters)	Flow Rate (ml/min)	Depth To Water (ft)	Temp (celsius)	pH (STD)	SPC uS/cm^c	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
1200	–	200	8.32	14.85	6.05	182	1.51	10.6	84	
1226	4.0	200	8.35	19.79	6.07	175	0.57	-7.0	21	
1230	6.0	200	8.46	22.11	6.07	175	0.41	0.2	15	
1240	8.0	200	8.43	22.69	6.10	173	0.30	-5.3	12	
1255	10.0	400	8.40	17.47	5.98	130	0.13	15.9	8	
1300	15.6	200	8.40	18.74	6.00	138	0.13	18.5	7	
1303	15.6	200	8.35	21.02	6.01	131	0.19	19.1	8	
1306	16.2	200	8.35	21.71	6.01	130	0.20	18.0	7	
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Tim	Sample ID	Container	# of Bottles	Preservative	Analyses
1310	MW-NASB-098	40ML	3	HCL	VOC
		40ML	3	HCL	Methane
		1L Amber	2	HCL	DRO
		250ML Amber	1	H_2SO_4	TOC
		500ML Poly	1	—	NO3, SO4, ALK
		500ML Poly	1	HCL	FE II

Comments 1242 - Increased flow - well burped - then decreased flow again

Signature _____ Date 10/5/05

Environm ntal Ch mical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: ONEE
Location: NASB, Brunswick, ME
Well ID: MW-NASB-207

Date: 10/6/05
Sampler: MAC
PID Reading: –

Start Time: _____ **End Time:** 1012
Well Construction:
Depth to water: 6.97
Well Depth: 17.50
Water Column: 10.53
Total Volum Removed (L) 26

Field Testing Equipment

Make	Model	Serial #
YSI	650 MDS	02A0841 AE
YSI	600 XL	01L0629 AD
Lamotte	2020	8970-4598

Time	volume removed (liters)	Flow Rate (ml/min)	Depth To Water (ft)	Temp (celsius)	pH (STD)	SPC uS/cm c	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
0933		200	7.40	15.26	6.28	431	3.87	174.1	56	
0945	2.4	200	7.43	16.80	6.43	438	0.99	184.1	24	
0955	4.4	200	7.93	21.61	6.47	429	0.79	123.2	13	
1000	5.4	200	8.11	23.67	6.47	419	0.77	116.4	10	
1005	6.4	200	7.95	22.86	6.45	417	0.81	119.6	10	
1010	7.4	200	7.76	22.26	6.48	429	0.71	1120	7	
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
1012	MW-NASB-207	40ML	3	HCL	VOC
		40ML	3	HCL	Methane
		1L Amber	2	HCL	DRO
		250ML Amber	1	H2SO4	TOC
		500ML Poly	1	—	NO3, SO4, ALK
		500ML Poly	1	HCL	FE II

Comments

Mark A. C
Signature

10/6/05
Date

Environm ntal Chemical C rporation

Low Flow/Low Stress Groundwater Sampling Log

Project: ONFR
Location: NASB, Brunswick, ME
Well ID: MW-NASB-208BR

Date: 10/6/05
Sampler: MAC
PID Reading:

Start Time: **End Time:** 1313
Well Construction: 2" PVC FP
Depth to water: 6.20
Well Depth: 19.36
Water Column: 13.16
Total Volume Removed (L) 86

Field Testing Equipment

Make	Model	Serial #
YSI	650 MDS	02A0841 AE
YSI	600XL	01L0629 AD
Lamotte	2020	8970-4598

Time	volume removed (liters)	Flow Rate (ml/min)	Depth To Water (ft)	Temp (celsius)	pH (STD)	SPC uS/cm[c]	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
1112		200	6.83	16.66	6.62	509	4.72	-40.6	349	
1122	2.0	200	6.80	18.57	6.41	515	0.80	-41.2	283	
1137	5.0	200	7.02	22.03	6.39	512	0.59	-33.4	149	
1157	9.0	200	7.08	24.83	6.39	507	0.44	-35.2	54	
1212	12.0	200	7.08	25.02	6.35	504	0.45	-27.8	36	
1227	15.0	200	7.08	25.19	6.34	505	0.44	-28.9	29	
1247	19.0	200	7.20	25.18	6.32	504	0.39	-30.0	27	
1312	24.0	200	7.20	26.52	6.31	503	0.30	-25.9	13	
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
1313	MW-NASB-208BR	40ML	3	HCL	VOC
		40ML	3	HCL	Methane
		1L Amber	2	HCL	DRO
		250ML Amber	1	H_2SO_4	TOC
		500ML Poly	1	—	NO3, SO4, Alk
		500ML Poly	1	HCl	FE II

Comments

Lots of orange algae on startup
MW-NASB-DUP2 collected

Signature

10/6/05
Date

Envir nm ntal Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: ONFF
Locati n: NASB, Brunswick, ME
Well ID: MW-NASB-210

Date: 10/6/05
Sampler: MAC
PID Reading: –

Start Time: End Time: 1441
Well Construction: 2" PVC
Depth to water: 8.40
Well Depth: 16.35
Water Column: 7.95
Total Volum Removed (L) 48.8

Field Testing Equipment

Make	Model	Serial #
YSI	650 MDS	02A0841 AE
YSI	600 XL	01L0629 AD
Lamotte	2020	8970-4598

Time	volume removed (liters)	Flow Rate (ml/min)	Depth To Water (ft)	Temp (celsius)	pH (STD)	SPC uS/cm c	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
1350	–	200	8.45	17.80	6.09	112	1.69	107.8	57	
1400	2.0	200	8.45	22.00	6.07	104	1.04	128.9	116	
1410	4.0	200	8.45	22.26	6.06	103	0.46	153.7	20	
1420	6.0	200	8.45	22.54	6.05	104	0.33	163.7	17	
1430	8.0	200	8.45	22.93	5.97	105	0.27	177.6	10	
1435	9.0	200	8.45	22.87	5.91	106	0.27	186.1	9	
1438	9.6	200	8.45	22.74	5.88	107	0.27	203.3	9	
1441	10.2	200	8.45	22.76	5.87	107	0.26	205.7	9	
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Tim	Sample ID	Container	# of Bottles	Preservative	Analyses
1446	MW-NASB-210	40ML	3	HCL	VOC
		40ML	3	HCL	Methane
		1L Amber	2	HCL	DRO
		250ML Amber	1	H_2SO_4	TOC
		500ML Poly	1	–	NO3, SO4, ALK
		500ML Poly	1	HCl	FE II

Comments

Signature

10/6/05
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Pr ject: ONR

Location: NASB, Brunswick, ME

W ll ID: MW-701

Date: 10/4/05

Sampler: MAC

PID Reading: —

Start Time: 1250 End Time: 1346

Well Construction: 2" PVC

D pth to water: 7.72

Well Depth: 15.26

Water Column: 7.54

Total Volum Removed (L) 12

Field Testing Equipment

Make	Model	Serial #
YSI	650 MDS	02A0841AE
YSI	600 XL	01L0629 AD
Lamotte	2020	8970-4598

Time	v lume removed (liters)	Flow Rate (ml/min)	Depth To Water (ft)	Temp (celsius)	pH (STD)	SPC uS/cm^c	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
1258	—	200	7.72	20.02	5.78	227	2.67	147.3	218	Orange
1300	.4	200	7.80	19.86	5.74	229	0.78	145.1	81	
1310	2.4	200	7.77	22.04	5.77	239	0.31	141.6	25	
1325	5.4	200	7.77	24.42	5.78	248	0.31	143.3	15	
1340	3	200	7.78	25.72	5.79	249	0.27	139.8	10	
1342	2.4	200	7.78	25.87	5.79	250	0.25	140.1	9	
1344	.4	200	7.78	25.86	5.79	250	0.25	140.0	9	
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
1345	MW-NASB-701	40ML	3	HCL	VOA
		40ML	3	HCL	CHL
		40ML	3	HCL	GRO
		1L Amb	2	HCL	DRO
		500ML Poly	1	HCL	FE II
		500ML Poly	1	—	NO_3, SO_4, ALK
		250 Amber	1	H_2SO_4	TOC

Comm nts Clumps of algae @ start up - then clearing

Mark A. Co
Signature

10/4/05
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: ONFF
Location: NASB, Brunswick, ME
Well ID: MW-NASB-702

Date: 10/3/05
Sampler: MAC
PID Reading: -

Start Time: 1110 **End Time:**
W ll Con truction: 2" PVC
Depth t wat r: 7.23
Well Depth: 14.66
Wat r Column: 7.43
T tal V lume Removed (L) 21.9

Field Testing Equipment

Make	Model	Serial #
YSI	650MDS	02A0841AE
YSI	600XL	01L0629AD
Lamotte	2020	6970-4598

Time	volume removed (lit rs)	Flow Rate (ml/min)	Depth To Water (ft)	Temp (celsius)	pH (STD)	SPC uS/cm[c]	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
1118	-	150	7.23	18.15	5.76	135	1.17	105.8	322	
1125	.95	150	7.33	23.78	5.82	135	0.78	131.4	287	
1140	3.15	150	7.34	25.83	5.89	133	0.62	150.1	131	
1155	5.35	150	7.34	26.83	5.83	135	0.54	167.2	83	
1210	2.25	150	7.34	27.35	5.78	136	0.51	180.9	59.9	
1225	2.25	150	7.34	29.26	5.79	135	0.50	170.5	127	
1318	7.95	150	7.34	25.42	5.62	137	0.45	187.3	101	
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
1328	MW-NASB-702	40 ML	3	HCL	VOC
		1L Amber	2	HCL	DRO
		40 ML	3	HCL	Methane
		500ML Poly	1	-	NO_3, SO_4, Alk
		250ML Amber	1	H_2SO_4	TOC
		500ML Poly	1	HCL	Fe II
		40 ML	2	HCL	GRO

Comments

MS/MSD Collected

1224 - Pump stopped - recycled to clear it
1257 " " " "

Mark A. C
Signature

10/3/05
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: ONSF
Location: NASB, Brunswick, ME
Well ID: MW-703

Date: 10/4/05
Sampler: MAC
PID Reading:

Start Time: 1020 End Time:
Well Construction: 2" PVC
Depth to water: 7.55
Well Depth: 12.54
Water Column: 4.99
Total Volum Removed (L) 16.8

Field Testing Equipment

Make	Model	Serial #
YSI	650MDS	02A0841AC
YSI	600XL	01L0629AD
Lamotte	2020	8970-4598

Tim	v lume rem ved (liters)	Flow Rate (ml/min)	Depth To Water (ft)	Temp (deg C)	pH (STD)	SPC uS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
1030	–	200	7.55	18.65	5.57	104	4.03	152.8	981	Brown
1045	3.0	200	7.55	25.27	5.65	101	1.76	182.4	416	
1100	6.0	200	7.62	25.30	5.59	99	1.03	164.4	31.9	
1115	9.0	200	7.68	25.67	5.57	101	1.31	171.3	18.6	
1130	12.0	200	7.85	23.58	5.54	104	1.49	178.9	28.4	
1140	15.0	300	7.86	22.89	5.52	100	1.55	182.6	8.34	
1142	15.6	300	7.86	22.85	5.52	100	1.58	183.7	5.74	
1144	16.2	300	7.86	22.61	5.50	100	1.69	186.6	4.30	

Acceptance Criteria: 10% 10% 10% 10% <10

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
1145	MW-NASB-703	40ML	3	HCL	VOC
		1L Amber	2	HCL	DRO
		40 ML	3	HCL	Methane
		500 ML Poly	1	–	NO_3 SO_4 Alk
		250 ML Amber	1	H_2SO_4	TOC
		500 ML Poly	1	HCL	CN TT
		40ML	2	HCL	GRO

Comments

MW-NASB-DUP1 collected - same bottles as above
Having to cycle pump to keep flow up

Signatur

10/4/05
Date

Appendix C

Data Validation Memos and Laboratory Analytical Results

DATA VALIDATION MEMORANDUM
NAS BRUNSWICK SITE OLD NAVY FUEL FARM
MARCH 2005 SAMPLING ROUND 10

TO: ENGINEERING FACILITY COMMAND NORTHEAST

FROM: JACKSON KIKER, ECC SENIOR CHEMIST, MARLBOROUGH, MA

SUBJECT: NAS BRUNSWICK SITE OLD NAVY FUEL FARM MONITORING EVENT 10, MARCH '05

DATE: APRIL 18, 2005

Project data were validated using the following Validation Functional Guidelines, as modified for non-CLP methods and project-specific QAPP measurement performance criteria (MPC):

1. Region I, EPA-NE Data Validation Functional Guidelines for Evaluation of Environmental Analyses (Dec, 1996),

2. National Functional Guidelines for Evaluation Inorganic Analysis (1988), and

3. National Functional Guidelines for Evaluation Organic Analysis (October 1999).

The data were assessed against the MPC listed in the approved Site 1& 3 and Eastern Plume LTMP QAPP (May 2000). The QAPP MPC and validation guideline exceedences are assessed and documented on the method/QAPP specific data validation worksheets. On these data validation worksheets the data quality acceptance criteria are presented, analytes requiring qualification based on MPC and/or validation guidance criteria exceedences are listed, assigned qualifiers, qualifying rationale is documented, and any potential bias noted. The overall evaluation of the data generated by a method is presented in the data validation worksheet.

Standard EPA Region I data qualifiers are used to denote the assessment of data quality. The final and ranking assigned data qualifier for an analyte is presented in the data summary table. Ancillary qualifiers are noted on the data validation worksheets.

The USEPA Region I Organic Regional Data Assessment (ORDA) sheet displays the summarized results of the data validation assessment for all analytical methods reported in the SDG.

ACRONYMS AND ABBREVIATIONS

Following is a list of acronyms and abbreviations that may be used in the data validation reports.

Acronym or Abbreviation	Definition
%D	Percent difference
%R	Percent recovery
%M	Percent moisture
%S	Percent solids
Ug/L	Microgram per liter
BD	Breakdown
BEHP	2-bis(ethylhexyl)phthalate
BFB	Bromofluorobenzene
CCB	Continuing calibration Blank
CCC	Continuing Check Compound
CCV	Continuing Calibration Verfication
COC	Chain of custody
CRI	standard at RL for ICP
CVAA	Cold vapor atomic absorption
DFTPP	Decafluorotriphenylphosphine
DQO	Data quality objective
EB	Equipment blank
EPA	Environmental Protection Agency
FD	Field duplicate
GC	Gas Chromatography
GC/MS	Gas chromatography/mass spectrometry
HT	Holding time
ICAL	Initial calibration
ICS-A/AB	Interelement check standard A or AB
ICV	Initial calibration verification
IDL	Instrument detection limit
IS	Internal standards
LCL	Lower control limit
LCS	Laboratory control sample
LTMP	Long term monitoring plan
MeCl	Methylene chloride
MS	Matrix spike

Acronym or Abbreviation	Definition
MSD	Matrix spike duplicate
MPC	Measurement performance criteria
NA	Not applicable
NC	Not calculated.
PAH	Polycyclic aromatic hydrocarbon
PCB	Polychlorinated biphenyls
PQL	Practical quantitation limit
QAPP	Quality Assurance Project Plan
QC	Quality control
RF	Response Factor
RPD	Relative percent difference
RRF	Relative response factor
RSD	Relative standard deviation
RT	Retention time
SDG	Sample Delivery Group
SOP	Standard Operation Procedure
SVOC	Semi-volatile organic compound
SPCC	System performance check compound
SQL	Sample Quantitation Limit
TB	Tripblank
TCX	Tetrachloro-m-xylene
TIC	Tentatively identified compound
UCL	Upper control limit
VOC	Volatile organic compound

DATA QUALIFIER REFERENCE TABLE

Data validation reports will summarize the samples reviewed, elements reviewed, any nonconformances with the established criteria, validation actions (including data qualifiers). Data qualifiers will be consistent with EPA Region I – New England guidelines and will consist of the following:

USEPA Region I – Data Qualifier	USEPA Region I – Qualifier Definition
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample
UJ	The analyte was not detected above the sample reporting limit; and the reporting limit is approximate
U	The sample was analyzed for, but was not detected above the sample reporting limit.
R	The sample result is rejected due to serious deficiencies. The presence or absence of the analyte cannot be verified

Region I, EPA-NE ORGANIC REGIONAL DATA ASSESSMENT

LAB NAME: AccuTest Laboratory
SDG #:__033105, 0503251, 0503273 & 0503293
EPA-NE DV TIER LEVEL:___II___
SITE NAME: NAS Brunswick – Site Old Navy Fuel Farm

# of SAMPLES: VOC–10 GW, 1FD, 5 TB & 1 RB; GRO – 3 GW, 3 TB & 1 RB; DRO – 10 GW, 1FD & 1 RB; Methane–10 GW, 1 FD, 5 TB & 1 RB.
VALIDATION CONTRACTOR:__ECC
VALIDATOR'S NAME: Guru Ranganathan
DV Completion Date:_April 26, 2005
Date Sampled: March 08-14, 2005.

ANALYTICAL DATA QUALITY SUMMARY

		VOC	GRO	DRO	Methane (MNA)
1	Preservation and HT	O	O	O	Z
2	Instrument Performance Check	O	O	O	O
3	Initial Calibration:	Z	O	O	O
4	Continuing Calibration:	M	O	O	O
5	Blanks:	M	O	O	O
6	Surrogate Compounds:	O	O	O	O
7	Internal Standards	M	-	-	O
8	Matrix Spike/Matrix Spike Duplicate:	M	-	-	O
9	Sensitivity Check:	O	O	O	O
10	PE Samples- Accuracy Check	O	O	O	O
11	Target Compound Identification:	O	O	O	O
12	Compound Quantitation and Reported QLs	O	O	O	O
13	Tentatively Identified Compounds:	-	-	-	-
14	Semivolatile/Pesticide/PCB Cleanup:	-	-	-	-
15	Data Completeness	O	O	O	O
16	Overall Evaluation of Data:	O	O	O	O

O = Data had no problems or were qualified due to minor contractual problems; M = Data were qualified due to major/systemic MPC exceedences: Z = Data were rejected as unusable due to major contractual problems.

ACTION ITEMS: (Z items):
Sample temperatures > 6 °C for SDG's 0503251 and 0503273. The only sample in 0503273 and all non-detects in SDG 0503251 (all samples except AH01972 and AH02048) were rejected and qualified R. 2-hexanone, t-butyl alcohol and tetrahydrofuran – results – none of them compounds of concern - qualified R due to low RRF's for these compounds.

AREAS OF CONCERN: (M items):

VOC: 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, hexachlorobutadiene and naphthalene results in trip blank sample AH01974 qualified U due to method blank contamination. High surrogate recovery for 1,2-Dichloroethane-d4 in sample AH02069. Re-analysis confirmed high recovery. But all sample results were non-detects – so no qualifications. MTBE result qualified J in sample AH02068 due to high MS/MSD recoveries. 1, 2-dichloropropane, acetone and bromomethane results in sample AH02068 qualified UJ due to high MS/MSD RPD's. IS failures (< 50%) for samples AH01974, AH02069 and AH02070. These samples were re-analyzed and AH01974 had recoveries within MPC limits. The other 2 samples failed IS recovery checks even on re-analysis. The results for these 2 samples (AH02069 and AH02070) – all non detects – were qualified UJ. All the discarded results – original analysis results for AH01974 and the re-analysis results for AH02069 and AH02070 - were qualified ZZZ in the EDD. Results for bromomethane, acetone, Mecl, tetrahydrofuran, 1,2-dichlorobenzene and 1,2-dibromo-3-chloropropane – none of them compounds of concern – qualified J for detects and UJ for non-detects due to high %RSD during initial calibration. Results for acetone, tetrahydrofuran, naphthalene and 2-hexanone – none of them compounds of concern – qualified J for detects and UJ for non-detects due to high %D in ICV. Of the compounds of concern, MTBE and Xylenes in samples AH01974, AH02010, AH02047, AH02069, AH02070, AH02071 and AH02072 qualified J for detects and UJ for non-detects due to high %D in CCV.

GRO: No field duplicate or MS/MSD analysis was performed.

DRO: DRO results for samples AH02089 and AH02090 qualified UJ due to high RPD between LCS and LCSD.

Methane (MNA): None.

COMMENTS: Tier I validation was performed for Alkalinity, TOC, Ferrous, Nitrate and Sulfate analyses.

ECC Region I Data Review Worksheet (rv 3) **VOCs 5030B/5035/8260B**
Project: NAS Brunswick ONFF ECC Job No. 5700 **Review Criteria: ONFF GWM Plan & USEPA Region I Tier II Guidance**

Data Validation Level	Matrix	Preservation	Temp Sample Receipt	Laboratory	SDG Number
Tier II	Aqueous	HCl	5 coolers – Temp (°C): 5.7, 4.8, 4.2, 3.8 & 5.3.	Northeast Laboratory Waterville, ME	Lab SDG# 033105

Field Identification and Laboratory Number of Samples Evaluated:

Field ID	Lab Sample Number
MW-NASB-701	AH01972
MW-NASB-702	AH01973
MW-NASB-TB01-03	AH01974
MW-NASB-703	AH02009
MW-NASB-TB04-06	AH 02010
MW-NASB-062	AH 02047
MW-NASB-051	AH 02048
MW-NASB-207	AH 02049
MW-NASB-TB07-08	AH 02050
MW-NASB-098	AH 02068
MW-NASB-058	AH 02069
MW-NASB-210	AH 02070
MW-NASB-DUP1	AH 02071 field duplicate for AH02068
MW-NASB-TB09-10	AH 02072
MW-NASB-208BR	AH 02089
ONFF- Rinsate Blank	AH 02090
MW-NASB-TB11-13	AH 02091

Note: Samples are described below in the data worksheets by reference to the Lab Sample Number.

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED/Rationale	Inventory	QUAL	BIAS
COC	1)Unbroken custody (accept or if broken R) 2) Temp≤6° (Soil-J detects, R -nondetects preserved per method (amber bottles, temperature, HCl (aq), MeOH/NAHSO4 (soils) (J, UJ, or R (function of HT and compound)	Cooler temperatures < 6 °C. Sample preservation adequate. Sample custody transferred from Field Team Leader to lab sample courier. Unbroken Chain of Custody. No samples qualified.	X		
Holding Time	1) 14 Days to analysis, if preserved 2) J –detects, UJ or R –nondetects (function of time) 3) *transcription errors	Sample dates: 8, 9, 10, 11 & 14 March, 2005. Analysis dates: March 8 & 9 samples analyzed by March 15, all other samples analyzed by March 23. All samples analyzed within holding time. No samples qualified.	X	-	
% Solids Check (SOLIDS)	30%<Solids: if no sample weight adjustment made. 1) <10% R entire sample 2) 10%.> and <30%; J-detects, NDs -R	Not applicable	X	-	
Lab Blanks (method blanks)	1) < 5x (<10x common) contaminants for aq samples- 2) <10X common contaminants – acetone, 2-butanone or Mecl. 1) TGT analytes <Lab QL 2) if linear range is exceeded, verify if a instrument blank was performed	Method blank detections for 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, hexachlorobutadiene and naphthalene in all the method blanks. The only detections for these compounds were in the trip blank sample AH01974 – results for these compounds in the sample qualified U.	X	1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, hexachlorobutadiene and	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED/Rationale	Inven-tory	QUAL	BIAS
	3) *verify accurate transcription of times, Ids, are reported on forms 4) *verify from the raw data if the instrument blank was performed in the same vessel 5) *verify IS, RRT, and surrogate %R *check 10% of raw chromatograms for false +/-, check for transcription errors			naphthalene results in trip blank sample AH01974 qualified U.	
Trip Blank	1) < 5x (<10x common) contaminants for aq samples- 2) TGT analytes <Lab QL (contact lab) -for soils indicate cross matrix TB (X rules apply to raw data) 4) MeCl & Acetone < 5 5) >RL report sample level U 6) <RL report PQL as U	5 trip blank samples analyzed – AH01974, AH02010, AH02050, AH02072 & AH02091. 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, hexachlorobutadiene and naphthalene detections in AH01974 but the detected results were qualified U due to associated method blank contamination.	X	-	
Equip Blank	1) < 5x (<10x common) contaminants for aq samples- 2) TGT analytes <Lab QL (contact lab) -for soils indicate TB (X rules don't apply) 3) MeCl & Acetone < 5 *Check IS area (10% of them) * recalculate surrogate (%R – 10 % of them)	Equipment blank sample – AH02090. Chloroform detected in the equipment blank but no sample detections for the compound – no sample qualifications.	X	-	
Results > Cal Range or <Cal Range	6) >Upper Cal Range J-detects - ensure instrument blank performed 7) <PQL but >MDL – J –detects (estimated) listed on data summary sheet.	Analytes with results >MDL but <PQL/RL were qualified J. All such results in the SDG were qualified U due to blank contamination.	X	-	
*TICs (if reported)	1) *verify library search for samples and blanks 2) verify TICs were not misreported compounds (different fraction or miss in search) 3) All TICs – J estimated 4) * verify blanks do not contain TIC peaks 5) * check TIC assignment spectra to STD spectra 6) *review blank and Samples for common lab contaminants	None Reported/not evaluated	-	-	
Surrogates	1,2-Dichloroethane-d4 65-135% Dibromofluoromethane 75-129% Toluene-d8 82%-120% 4-BFB 69%-125% *check raw data for surrogated (recalculate 10% of them). *Transcription errors Qualification: >UCL J –detects, %R<10% J –detects, R –Nods, %R >10% but <70% J-detects, UJ NDs	High surrogate recovery for 1,2-Dichloroethane-d4 in sample AH02069. Re-analysis confirmed high recovery. But all sample results were non-detects – so no qualifications.	X	-	
LCS Recovery	1) Attachment A-2 of LTMP 2) All VOCs 60-140% 3) 10% and <LCL% J detects, UJ –Nods 4) >UCL% J detects <10% R NDs, J-detects 7) *Recalculate the concentrations for one compound in the LCS 8) * Recalculate the %R (within 10% of lab) Note: Tier guidance as a zero blind	4 LCS runs performed. High recoveries for diethyl ether, methylene chloride and naphthalene in one of the runs (03/15) but results for diethyl ether and methylene chloride were non-detects. Naphthalene results were non-detects except for one applicable sample (AH01974), which was qualified U due to method blank contamination. No samples qualified.	X	-	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED/Rationale	Inven-tory	QUAL	BIAS
MS/MSD Recovery	1) Attachment A-2 of LTMP 2) 60-140% for all VOCs (if MS > 4X native levels) Qualification of MS sample: <10% J detects, R NDs >10% and <LCL% J detects, UJ -NDs >UCL% J detects 3) *Recalculate the concentrations for one compound in the MS/MSD * Recalculate the %R (within 10% of lab)	Field sample used for MS/MSD – AH02068. High MS/MSD recoveries for several VOC's of concern but all sample results were non-detects except for MTBE – detected result for this compound qualified J in sample AH02068. No samples qualified.	X	MTBE result qualified J in sample AH02068.	
*MS/MSD/unspike sample RSD	1)For unspiked compounds if reported, Non- MS spike compounds <50% RSD calculated from MS/MSD/Unspiked Qualification: >50% RSD J-detects 2)*recalculate the RPD (within 10% of lab)	NA	-	-	
MS/MSD RPD	RPD ≤20% (aq/S) (when MS >QL) J – detects in MS sample UJ-non detects * recalculate RPD	Field sample used for MS/MSD – AH02068. MS/MSD RPDs were outside MPC limits for 1, 2-dichloropropane, acetone and bromomethane. Results for these compounds in native sample AH02068 – all non-detects – were qualified UJ.	X	1, 2-dichloropropane, acetone and bromomethane results in sample AH02068 qualified UJ.	
Field Dup RPD	1) RPD ≤ 30% aq. ≤ 50 soil for Results > PQL (FD pair only) J-detects (both > PQL) 2) Note: FD RPD not specified in QAPP. 30% will be used as the MPC, to be consistent with other NASB QAPPs. 3) If one >PQL, other ND, J-detections, UJ non-detect 4) Other conditions use judgement 5) Determine RPD for detects only. *Recalculate the concentrations for one compound and the PQL	Field Sample (FS) and Field Duplicate (FD) Samples Identified by lab ID's: <u>FS/ FD</u> AH02068/AH02071: MTBE detected in both the sample and its field duplicate - RPD within MPC limits. No samples qualified.	X	-	
*MDL Study	1) *In accordance with 40CFR – seven replicates %RSD < 20% 2) * IS and retention times within method requirements 6) * performed annually 7) *MDL is at least ½ of PQL 8) *tgt and surrogate 80-120% R *VOA/SV-X11 (recalcuate %RSD and %R for three compounds (10% of them).	NA	-	-	
Internal Stds	1) IS are –50% to 200% of last Ical, or CCV 3) RRT<0.06 (30 sec) 4) IS>100% J-detects 5) IS<20%CCV NDs – R 6) IS>20%CCV <50%CCV NDs – UJ 7) *check for IS transcription errors 8) FBZ = fluroobenzene 9) CBZ = chlorobenzene-d5 10) DCB = 1,4 dichlorobenzene-d4	IS failures (< 50%) for samples AH01974, AH02069 and AH02070. These samples were re-analyzed and AH01974 had recoveries within MPC limits. The other 2 samples failed IS recovery checks even on re-analysis. The results for these 2 samples (AH02069 and AH02070) – all non detects – were qualified UJ. All the discarded results – original analysis results for AH01974 and the re-analysis results for AH02069 and AH02070 - were qualified ZZZ in the EDD.	X	All the discarded results – original analysis results for AH01974 and the re-analysis results for AH02069 and AH02070 - were qualified ZZZ in the	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED/Rationale	Inven-tory	QUAL	BIAS
				EDD. The results for the original analysis of samples AH02069 and AH02070 – all non detects – were qualified UJ.	
Sensitivity	1) MDL study – 7 replicates (40 CFR) 2) Surrogates %in control limits. 3) %R <10 ND- (R) , J- detects 4) 10%> but <LCL% , judgement 5) %R>UCL% J-detects 5) QC, IS, RRT meet criteria, 6) %RSD < 20% 7) MDL< MQL (3x less ideal) 8) Lab fortitied blank (see VOA/SV Part II –section X). 9) *Check and recalculate %RSDs and %R for three compounds (with 10% of lab) Dilution factors for samples – impacts to sensitivity	BTEX & MTBE – the VOC's of concern. RDL's for benzene & MTBE were 1 µg/L – marginally above the PQL of 0.5 µg/L but well below the state and federal max. allowable levels. MDL's well below RDL's for VOC's of concern.	X	-	
*Compound Quantitation (completed as part of other steps)	1) Check sensitivy (MDL< 1/3 PQL) 2) *Recalculate one detection and quantitation limit 3) *verify concentrations have been adjusted to account for DW, DF, 4) *verifiy correct IS and RRF were used	NA	-	-	
*System Performance	1)* evaluate PES, MS//MSD, cal STDs, MDS study, and surrogates for systemic bias – high or low and access system accuracy 8) *Matrix effects- MS/MSD, surrogated, PDS. 9) *System chromatography- evaluate RRTs, peaks shapes, system impacts on data, baseline shifts. 10) *overall system contamination-review all blanks for systemic or sporadic contamination	NA	-	-	
*TGT Compound Identification	1) *Within 0.06 (30 sec) of CCV RRT 2) * compare sample Mass spectra to standard spectra; a) all ions in std spectra (with 10% rel intensity) presnent in sample spectra. B) sample ion abundance within 20% of standard spectra. 3) *chromatogram: all peaks greater than 10% of nearest IS identified.	NA	-	-	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED/Rationale	Inven-tory	QUAL	BIAS
Single Blind PE	1) Qualify associated samples in PES batch PES = ND, Detects J – ND PE analytes in samples, NDs – R 11) PES > acceptance criteria – Detects in samples J, 12) PES<acceptance criteria – Detects J, NDs –R 13) VOA/SV-XI14 other criteria 14) *% of PES sample above and below criteria *Recalculate concentrations for one tgt compound per PES (10% of lab)	NA	-	-	
Tune check	1) ion abundance with method limits 2) *check for co-elution /proper background subtraction 3) *compare reported data to raw data	All tunes passed method criteria. No samples qualified.	X	-	
Initial Cal Multipoint (instrument evaluation)	1) correct calibration stds 2) within 12 hours of the tune check 3) CCCs %RSD: <30% (1,1 DCA, chloroform, 1,2dichloropropane, Toluene, EB, VC (J –detects, R or UJ NDs all samples associated with Ical) 4) SPCCs Average RRF: SPCCs Chloromethane >0.10, 1,1 DCA>0.10, bromoform >0.10, chlorobenzene>0.3, 1122TCA>0.3 (J –detects, R NDs) 5) RRF>0.05 all compounds 6) RRT < 0.06 units (all stds within 30 sec) 7) %RSD<15% for all non-CCCs or COD>0.99 *8) RRF exclusions: surrogates, acetone, MeCL, chloroethane/methane, CS, 1,/22/03 2-butanone, 1,2 dichloropropane, 2-hexanone (IV-8)./* 9) *verify that instrument parameters met method and that Ical and analysis used the same parameters 10) *recalculate RRF one tgt compound associated with each IS. Recalculated values within 10% of lab values. 11) *recalculate one tgt compound associated with each IS. Recalculated values within 10% 12) *option-review preparation logs to ensure cal stds are traceable to NIST stds. 13) *option-recalculate cal std concentration of one std. Must agree within 10% of lab (option if information is in data package)	Instrument SAVIOR March 11, 2005. RRF < 0.05 for 2-hexanone, t-butyl alcohol and tetrahydrofuran. Results for these compounds were qualified R in the EDD. It is to be noted that above compounds are not compounds of concern.	X	2-hexanone, t-butyl alcohol and tetrahydrofuran – results – none of them compounds of concern - qualified R.	
Initial Cal (Linearity)	%RSD < 15% use average RF for calibration %RSD> 15% use least squares COD (r2) > 0.990 or correlation coefficient r> 0.995 Qualification for compounds with : %RSD>30% and RRF>0.05 – J detects, UJ – NDs, %RSD<30% and RRF<0.05; -J detects, R – ND, %RSD>30% and RRF<0.05: J detects, R - ND (see VOA/SVIII-4)	Instrument SAVIOR March 11, 2005. All %RSD's outside MPC limits for bromomethane, acetone, Mecl, tetrahydrofuran, 1,2-dichlorobenzene and 1,2-dibromo-3-chloropropane. Results for the above compounds – all non-detects except for acetone in sample AH01972 – were qualified UJ. Acetone result in AH01972 was qualified J. None of the	X	Results for bromomethane, acetone, Mecl, tetrahydrofuran, 1,2-dichlorobenzene and 1,2-dibromo-3-chloropropane – none of them	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED/Rationale	Inven-tory	QUAL	BIAS
		above compounds are compounds of concern.		compounds of concern – qualified J for detects and UJ for non-detects.	
2nd Source ICV	QC check or criteria not specified in QAPP. %D<25% or %R (between ICV and Ical) analytes 80%--120% (+ or -) once per 5 pt cal used to evaluate data sets. Qualification: J detects, R or UJ NDs	Instrument SAVIOR March 11, 2005. %D's outside MPC limits for acetone, tetrahydrofuran, naphthalene and 2-hexanone. Results for these compounds – all non—detects except for acetone in sample AH01972 – qualified UJ. Acetone result in AH01972 was qualified J. It is to be noted that these compounds are not compounds of concern.	X	Results for acetone, tetrahydrofuran, naphthalene and 2-hexanone – none of them compounds of concern – qualified J for detects and UJ for non-detects.	
CCV	1) SPCCs Average RRF: SPCCs Chloromethane >0.10, 1,1 DCA>0.10, bromoform >0.10, chlorobenzene>0.3, 1122TCA>0.3 2) RRF all compounds > 0.05 3) CCC: (1,1 DCA, chloroform, 1,2dichloropropane, Toluene, EB, VC) %D<20% (or all analytes if no CCCs reported). 4) Qualification-J detects, R or UJ NDs 5) *verify same instrument and parameters 6) *Recalculate RRF for one tgt cmpd associated with each IS. (within 10%) 7) *Recalculate %D for one tgt cmpd associated with each IS (within 10%) 8) *IS RRT<0.06 units (30 sec) 9) * IS area -50 % to 100 % of last ICAL 10) *option-review preparation logs to ensure cal stds are traceable to NIST stds. 11) *option-recalculate cal std concentration of one std. Must agree within 10% of lab (option if information is in data package)	Instrument SAVIOR March 11, 15 & 23, 2005. March 11 – already discussed above. March 15 - acetone, tetrahydrofuran, trans-1,3-dichloropropene, 2,2-dichloropropane, MTBE, Xylenes and 1,2,4-trichlorobenzene had %D's outside MPC limits. Results for above compounds qualified J for detects and UJ for non-detects in applicable samples AH01974, AH02010, AH02047, AH02069, AH02070, AH02071 and AH02072. Of the above results, only Xylenes and MTBE are compounds of concern. March 23 – acetone, tetrahydrofuran, 2,2-dichloropropane, Mecl and naphthalene had %D's outside MPC limits. Results for above compounds in applicable samples AH02089, AH02090 and AH02091 – all non-detects – were qualified UJ. None of these compounds are compounds of concern.	X	Of the compounds of concern, MTBE and Xylenes in samples AH01974, AH02010, AH02047, AH02069, AH02070, AH02071 and AH02072 qualified J for detects and UJ for non-detects.	
Overall Evaluation of Data	1) Appropriate method 2) Evaluate any analytical problems 3) Evaluate sampling errors – field contamination, sample hold times	Laboratory precision and accuracy acceptable. No apparent sample bias. Sample results are usable for making project decisions, as qualified. High surrogate recovery for 1,2-Dichloroethane-d4 in sample AH02069 - but all results for the sample were non-detects. High MS/MSD recoveries in sample AH02068 - MTBE result qualified J in the sample. High LCS recoveries for some compounds but no qualifications as all applicable results were non-detects. MS/MSD RPDs were outside MPC limits for 1, 2-dichloropropane, acetone and bromomethane. Results for these compounds in native sample AH02068 –	X	-	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED/Rationale	Inven-tory	QUAL	BIAS
		all non-detects – were qualified UJ. 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, hexachlorobutadiene and naphthalene results in trip blank sample AH01974 qualified U due to method blank contamination. IS failures (< 50%) for samples AH01974, AH02069 and AH02070. These samples were re-analyzed and AH01974 had recoveries within MPC limits. The other 2 samples failed IS recovery checks even on re-analysis. The results for these 2 samples (AH02069 and AH02070) – all non detects – were qualified UJ. All the discarded results – original analysis results for AH01974 and the re-analysis results for AH02069 and AH02070 - were qualified ZZZ in the EDD. ICAL; within MPC limits for all VOC's of concern – qualifications for few compounds that are not compounds of concern. ICV: within MPC limits for all VOC's of concern – qualifications for few compounds that are not compounds of concern. CCV: Of the compounds of concern, MTBE and Xylenes in samples AH01974, AH02010, AH02047, AH02069, AH02070, AH02071 and AH02072 qualified J for detects and UJ for non-detects due to high %D in CCV. Sampling error – Field duplicate & tripblanks and a rinsate blank were collected and analyzed as part of this SDG. Tripblanks: 3 tripblanks were analyzed – results were non-detects for all VOC's of concern; detections in one of the trip blanks was qualified U due to method blank contamination. Rinsate Blank: Chloroform was the only detection in the rinsate blank. Results for the compound were non-detects in all samples. No apparent cross contamination occurred during sample collection. <u>FS/ FD</u> AH02068/AH02071: MTBE detected in both the sample and its field duplicate at similar levels. Overall sampling and analysis precision are acceptable.			

* Tier III review items only.

Completeness Check: Inventory Check Sheet_____X__. Sample Quantitation Calculations (TIER III only):

Lab correspondence: None.

ECC Region I Data Review Worksheet (rv 2) **MEDEP 4.2.17 – Gasoline Range Organics**
Project: NAS Brunswick ONFF ECC Job No. 5700 **Review Criteria: ONFF GWM Plan & Region I Tier II Guidance**

Data Validation Level	Matrix	Preservation	Temperature Sample Receipt	Laboratory	SDG Number
Tier II	Aqueous	Hcl	3 coolers – Temp (°C): 5.7, 4.8 & 5.3.	Northeast Laboratory Waterville, ME	Lab SDG# 033105

Field Identification of Samples Evaluated:

Field ID	Lab Sample Number
MW-NASB-701	AH01972
MW-NASB-702	AH01973
MW-NASB-TB01-03	AH01974
MW-NASB-703	AH02009
MW-NASB-TB04-06	AH02010
ONFF-Rinsate Blank	AH02090
MW-NASB-TB11-13	AH02091

Note: Samples are described below in the data worksheets by reference to the Lab Sample Number.

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED Narrative (samples listed on attached sheets)	Inve n-tory	QUAL	BIA S
COC, Sample Delivery Group Form.	1)Unbroken custody (accept or if broken R) 2) Temp≤6° (Soil-J detects, R -nondetects preserved per method (amber bottles, temperature, HCl (aq), MeOH/NAHSO4 (soils) (J, UJ, or R (function of HT and compound)	Cooler temperatures < 6 °C in the coolers. Sample preservation using ice adequate. Sample custody transferred from Field Team Leader to lab sample courier in person. Unbroken Chain of Custody. No samples qualified.	X	-	
Holding Time	1) 14 days for analysis (extract 40 days) 2) J –detects, UJ or R –nondetects (function of time)	Collection Dates: March 8, 9 & 14. Analyzed by: March 15th, 2005. All samples prepared/analyzed within holding times. No samples qualified.	X	-	
% Solids Check (SOLIDS)	30%<Solids: if no sample weight adjustment made (no USACE) 1) <10% R entire sample 2) 10%.> and <30%; J-detects, NDs -R	Not applicable	-	-	
Results > Cal Range or <Cal Range	1) >Upper Cal Range J-detects - ensure instrument blank performed 2) <PQL but >MDL – J –detects (estimated)	Data reported between the MDL and the MRL qualified as estimated (J). No such results.	-	-	
TICs (if reported)	1) *verify library search for samples and blanks 2) verify TICs were not misreported compounds (different fraction or miss in search) 3) All TICs – J estimated 4) * verify blanks do not contain TIC peaks 5) * check TIC assignment spectra to STD spectra 6) *review blank and Samples for common lab contaminants	None Reported	X	-	
Equip Blank	< 5x (<10x common) contaminants for aq samples – for soil indicate EB (X rules don't apply)	Equipment blank – sample AH02090 – was non-detect for GRO's.	X	-	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED Narrative (samples listed on attached sheets)	Inve n-tory	QUAL	BIAS
Surrogates	Within historical laboratory limits 4-BFB – 60% to 140%. Qualification: >UCL J –detects, %R<10% J –detects, R –NDs, %R >10% but <LCL% J-detects, UJ NDs	All surrogate recoveries within MPC limits. No samples qualified.	X	-	
Lab Blanks (method blanks)	1) < 5x (<10x common) contaminants – U 2) analytes <lab PQL (contract lab) no phthalates >5X QL (QAPP)	Method blanks were non-detects for GRO's. No sample qualifications.	X	-	
Trip Blank	1) < 5x (<10x common) contaminants for aq samples- 2) TGT analytes <Lab QL (contact lab) -for soils indicate cross matrix TB (X rules apply to raw data) 3) MeCl & Acetone < 5 4) >RL report sample level U 5) <RL report PQL as U	3 trip blank samples were analyzed. All results were non-detects except for total xylenes in the trip blank applicable to samples collected on March 9. Total xylene results in the applicable samples were non-detects. No sample qualifications.	X	-	
LCS Recovery	1) Within historical laboratory limits -60% to 140% 10% and <LCL% J detects, UJ –NDs >UCL% J detects <10% R NDs, J-detects	All LCS recoveries within MPC limits. No samples qualified.	X	-	
MS/MSD Recovery	1) Within historical laboratory limits (QAPP) (if MS > 4X native levels) Qualification of MS sample: <10% J detects, R NDs >10% and <70% J detects, UJ -NDs >130% J detects	MS/MSD not analyzed for this SDG. Surrogate spikes were within MPC limits.	-	-	
Cleanup Performance Check (if performed)	%R< 10% NDs-R detections J %R>10% <LCL (80%GPC) –detections J, NDs UJ %R>UCL (120%) – detections J Retention Time shift <5%, symmetrical peakshape. GPC check with interferants. Good surrogate recovery, GPC blank check – no carryover.(VOA/SV-IX-I6). Sulfur and High MW compounds removed. Symetrical peaks for all compounds,	NA	-	-	
Lab Duplicates RPD	RPD ≤30% aq, <50% (S) J –detects in MS sample UJ-non detects	LCS-LCSD analyzed - RPD within MPC limits. No samples qualified.	X	-	
Field Dup RPD	1) RPD ≤ 100% water; ≤ 100% soil for Results > PQL (FD pair only) J-detects (both > PQL) 2) If one > PQL, other ND, J-detections, UJ non-detect Other conditions use judgement	No field duplicate analyzed with this SDG.	-	-	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED Narrative (samples listed on attached sheets)	Inve n-tory	QUAL	BIAS
Initial Cal (Linearity)	Correct calibration stds %RSD < 15% use average RF for calibration %RSD> 15% use least squares COD (r2) > 0.990 or correlation coefficient r> 0.995 or alternatively mean %RSD <15% for all target analytes, with no analyte %RSD>30% or %RSD<30% each target analyte 1) CCCs %RSD: <30% (acenatphthene, 1,4 dichlorobenzene, hexachlorobutadiene, dipheynlamin, di-n-octyl phthalate, fluoranthene, benzo(a)pyrene, 4-chloro-3-methylphenol, 2,4, dichlorophenol, 2-nitrophenol, phenol, pentachlorophenol, 2,4,6 trichlorophenol) J –detects, R or UJ NDs all samples associated with Ical) 2) SPCCs Average RRF > 0.05: SPCCs n-nitroso-di-n-propylamine, hexachlorcyclopentdiene, 2,4 dinitrophenol, 4-nitrophenol. (J –detects, R NDs) 3) RRF>0.05 all target compounds RRT < 0.06 units (all stds within 30 sec) 4) *verify that instrument parameters met method and that Ical and analysis used the same parameters 5) *recalculate RRF one tgt compound associated with each IS. Recalculated values within 10% of lab values. 6) *recalculate one tgt compound associated with each IS. Recalculated values within 10% 7) *option-review preparation logs to ensure cal stds are traceable to NIST stds. 8) *option-recalculate cal std concentration of one std. Must agree within 10% of lab (option if information is in data package)	Instrument: GRO1 Date: October 22, 2004. COD > 0.99. No samples qualified based on ICAL.	X	-	
2nd Source ICV	%R (between ICV and Ical) analytes 80%--120% (USACE) %D ≤ 25%, (+ or -) once per 5 pt cal Qualification: J detects, R or UJ NDs	Instrument: GRO1 Date: October 22, 2004. %D within MPC limits. No samples qualified.	X		

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED Narrative (samples listed on attached sheets)	Inve n-tory	QUAL	BIA S
CCV	1) SPCCs Average RRF: SPCCs n-nitroso-di-n-propylamine, hexachlorcyclopentdiene, 2,4 dinitrophenol, 4-nitrophenol. 2) RRF all compounds > 0.05 3) CCC: (acenatphthene, 1,4 dichlorobenzene, hexachlorobutadiene, dipheynlamin, di-n-octyl phthalate, fluoranthene, benzo(a)pyrene, 4-chloro-3-methylphenol, 2,4, dichlorophenol, 2-nitrophenol, phenol, pentachlorophenol, 2,4,6 trichlorophenol) 4) %D<20%. CCCs (QAPP -except surrogates). 5) Qualification-J detects, R or UJ Nods 6) %D<25% all compounds (Tier I). 7) RRF exclusions: surrogates, 8) *verify same instrument and parameters 9) *Recalculate RRF for one tgt cmpd associated with each IS. (within 10%) 10) *Recalculate %D for one tgt cmpd associated with each IS (within 10%) 11) *IS RRT<0.06 units (30 sec) 12) * IS area -50 % to 100 % of last ICAL 13) *option-review preparation logs to ensure cal stds are traceable to NIST stds. 14) *option-recalculate cal std concentration of one std. Must agree within 10% of lab (option if information is in data package)	Instrument: GRO1 Dates: March 14 & 15, 2004. %D within MPC limits for GRO. No samples qualified.	X	-	
Compound Quantitation	1) Check sensitivity (MDL< 1/3 PQL or per QAPP)	RL requirements were met, no sample qualifications. MTBE was detected in samples AH01972 and AH01973 but these single column FID detections were not confirmed by method 8260B.	X	-	
Overall Evaluation of Data	1) Appropriate method 2) Evaluate any analytical problems 3) Evaluate sampling errors – field contamination, sample hold times	The laboratory accuracy and precision are acceptable and no apparent sample bias. Results are usable for making project decisions. Method blank – non-detect for GRO's. LCS/LCSD analyzed – RPD within MPC limits. No field duplicate or MS/MSD collected/analyzed as part of this SDG. LCS %R within MPC limits. ICAL; linear. ICV: confirms ICAL. CCV: within MPC limits. No qualifications due to total xylene detection in one of the 3 trip blanks. Rinasta blank was non-detect for all parameters of concern.	X	-	

*Tier III criteria.

Completeness Check: Inventory Check Sheet_____X__ Sample Quantitation Calculations (TIER III ONLY):

ECC Region I Data Review Worksheet (rv 2) **MEDEP 4.2.25 – Diesel Range Organics**
Project: NAS Brunswick ONFF ECC Job No. 5700 **Review Criteria: ONFF GWM Plan & Region I Tier II Guidance**

Data Validation Level	Matrix	Preservation	Temperature Sample Receipt	Laboratory	SDG Number
Tier II	Aqueous	Hcl	3 coolers – Temp (°C): 5.3, 4.2 & 3.8.	Northeast Laboratory Waterville, ME	Lab SDG# 033105

Field Identification of Samples Evaluated:

Field ID	Lab Sample Number
MW-NASB-701	AH01972
MW-NASB-702	AH01973
MW-NASB-703	AH02009
MW-NASB-062	AH02047
MW-NASB-051	AH02048
MW-NASB-207	AH02049
MW-NASB-098	AH02068
MW-NASB-058	AH02069
MW-NASB-210	AH02070
MW-NASB-DUP1	AH02071 field duplicate for AH02068
MW-NASB-208BR	AH02089
ONFF-Rinsate Blank	AH02090

Note: Samples are described below in the data worksheets by reference to the Lab Sample Number.

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED Narrative (samples listed on attached sheets)	Inve n-tory	QUAL	BIAS
COC, Sample Delivery Group Form.	1)Unbroken custody (accept or if broken R) 2) Temp≤6° (Soil-J detects, R -nondetects preserved per method (amber bottles, temperature, HCl (aq), MeOH/NAHSO4 (soils) (J, UJ, or R (function of HT and compound)	Cooler temperatures < 6 °C in the coolers. Sample preservation using ice adequate. Sample custody transferred from Field Team Leader to lab sample courier in person. Unbroken Chain of Custody. No samples qualified.	X	-	
Holding Time	1) 7 Days aqueous – 14 days soil (extract 40 days) 2) J –detects, UJ or R –nondetects (function of time)	Sent on: March 8, 9, 10, 11 & 14. Samples sent on or before 11th were extracted and analyzed by 14th March. Samples sent on 14th were extracted and analyzed on 17th March. All samples extracted and analyzed within required holding times. No sample qualifications.	X	-	
% Solids Check (SOLIDS)	30%<Solids: if no sample weight adjustment made (no USACE) 1) <10% R entire sample 2) 10%.> and <30%; J-detects, NDs -R	Not applicable	-	-	
Results > Cal Range or <Cal Range	1) >Upper Cal Range J-detects - ensure instrument blank performed 2) <PQL but >MDL – J –detects (estimated)	Data reported between the MDL and the MRL qualified as estimated (J). No such results.	-	-	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED Narrative (samples listed on attached sheets)	Inve n-tory	QUAL	BIAS
TICs (if reported)	1) *verify library search for samples and blanks 2) verify TICs were not misreported compounds (different fraction or miss in search) 3) All TICs – J estimated 4) * verify blanks do not contain TIC peaks 5) * check TIC assignment spectra to STD spectra 6) *review blank and Samples for common lab contaminants	None Reported	X	-	
Equip Blank	< 5x (<10x common) contaminants for aq samples – for soil indicate EB (X rules don't apply)	Equipment blank – sample AH02090 – was non-detect for DRO's.	X	-	
Surrogates	Within historical laboratory limits. p-terphenyl – 60% to 140%. Qualification: >UCL J – detects, %R<10% J –detects, R –NDs, %R >10% but <LCL% J-detects, UJ NDs	All surrogate recoveries within MPC limits. No samples qualified.	X	-	
Lab Blanks (method blanks)	1) < 5x (<10x common) contaminants – U 2) analytes <lab PQL (contract lab) no phthalates >5X QL (QAPP)	Method blanks were non-detects for DRO's. No sample qualifications.	X	-	
LCS Recovery	1) Within historical laboratory limits -60% to 140% 10% and <LCL% J detects, UJ –NDs >UCL% J detects <10% R NDs, J-detects	All LCS recoveries within MPC limits. No samples qualified.	X	-	
MS/MSD Recovery	1) Within historical laboratory limits (QAPP) (if MS > 4X native levels) Qualification of MS sample: <10% J detects, R NDs >10% and <70% J detects, UJ -NDs >130% J detects	MS/MSD analyzed for this SDG for native sample AH02068. Surrogate spikes were within MPC limits. Recoveries below lower MPC limits but the spikes were below 4X native levels – so no sample qualifications.	X	-	
Cleanup Performance Check (if performed)	%R< 10% NDs-R detections J %R>10% <LCL (80%GPC) –detections J, NDs UJ %R>UCL (120%) – detections J Retention Time shift <5%, symmetrical peakshape. GPC check with interferants. Good surrogate recovery, GPC blank check – no carryover.(VOA/SV-IX-I6). Sulfur and High MW compounds removed. Symetrical peaks for all compounds,	NA	-	-	
Lab Duplicates RPD	RPD ≤30% aq, <50% (S) J –detects in MS sample UJ-non detects	LCS-LCSD analyzed – RPD outside MPC limits for the analysis on March 17th. DRO results for samples AH02089 and AH02090 qualified UJ. MS/MSD RPD within MPC limits.	X	DRO results for samples AH02089 and AH02090 qualified UJ.	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED Narrative (samples listed on attached sheets)	Inve n-tory	QUAL	BIA S
Field Dup RPD	1) RPD ≤ 100% water; ≤ 100% soil for Results > PQL (FD pair only) J-detects (both > PQL) 2) If one > PQL, other ND, J-detections, UJ non-detect Other conditions use judgement	Field sample - AH02068 Field Duplicate - AH02071 Results in both samples were non-detects. No sample qualifications.	-	-	
Initial Cal (Linearity)	Correct calibration stds %RSD < 15% use average RF for calibration %RSD> 15% use least squares COD (r2) > 0.990 or correlation coefficient r> 0.995 or alternatively mean %RSD <15% for all target analytes, with no analyte %RSD>30% or %RSD<30% each target analyte 1) CCCs %RSD: <30% (acenatphthene, 1,4 dichlorobenzene, hexachlorobutadiene, dipheynlamin, di-n-octyl phthalate, fluoranthene, benzo(a)pyrene, 4-chloro-3-methylphenol, 2,4, dichlorophenol, 2-nitrophenol, phenol, pentachlorophenol, 2,4,6 trichlorophenol) J –detects, R or UJ NDs all samples associated with Ical) 2) SPCCs Average RRF > 0.05: SPCCs n-nitroso-di-n-propylamine, hexachlorcyclopentdiene, 2,4 dinitrophenol, 4-nitrophenol. (J –detects, R NDs) 3) RRF>0.05 all target compounds RRT < 0.06 units (all stds within 30 sec) 4) *verify that instrument parameters met method and that Ical and analysis used the same parameters 5) *recalculate RRF one tgt compound associated with each IS. Recalculated values within 10% of lab values. 6) *recalculate one tgt compound associated with each IS. Recalculated values within 10% 7) *option-review preparation logs to ensure cal stds are traceable to NIST stds. 8) *option-recalculate cal std concentration of one std. Must agree within 10% of lab (option if information is in data package)	Instrument ID: Not provided. Dates: October 28 & 29, 2004. COD > 0.99. Calibration acceptable. No samples qualified based on ICAL.	X	-	
2nd Source ICV	%R (between ICV and Ical) analytes 80%--120% (USACE) %D ≤ 25%, (+ or -) once per 5 pt cal Qualification: J detects, R or UJ NDs	Instrument ID: Not provided. Date: November 01, 2004. %D within MPC limits. No samples qualified.	X		

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED Narrative (samples listed on attached sheets)	Inve n-tory	QUAL	BIA S
CCV	1) SPCCs Average RRF: SPCCs n-nitroso-di-n-propylamine, hexachlorcyclopentdiene, 2,4 dinitrophenol, 4-nitrophenol. 2) RRF all compounds > 0.05 3) CCC: (acenatphthene, 1,4 dichlorobenzene, hexachlorobutadiene, dipheynlamin, di-n-octyl phthalate, fluoranthene, benzo(a)pyrene, 4-chloro-3-methylphenol, 2,4, dichlorophenol, 2-nitrophenol, phenol, pentachlorophenol, 2,4,6 trichlorophenol) 4) %D<20%. CCCs (QAPP -except surrogates). 5) Qualification-J detects, R or UJ Nods 6) %D<25% all compounds (Tier I). 7) RRF exclusions: surrogates, 8) *verify same instrument and parameters 9) *Recalculate RRF for one tgt cmpd associated with each IS. (within 10%) 10) *Recalculate %D for one tgt cmpd associated with each IS (within 10%) 11) *IS RRT<0.06 units (30 sec) 12) * IS area -50 % to 100 % of last ICAL 13) *option-review preparation logs to ensure cal stds are traceable to NIST stds. 14) *option-recalculate cal std concentration of one std. Must agree within 10% of lab (option if information is in data package)	Instrument ID: Not provided. Dates: March 9, 10, 14 & 17, 2005. %D within MPC limits for DRO. No samples qualified.	X	-	
Compound Quantitation	1) Check sensitivity (MDL< 1/3 PQL or per QAPP)	RL requirements were met, no samples qualified.	X	-	
Overall Evaluation of Data	1) Appropriate method 2) Evaluate any analytical problems 3) Evaluate sampling errors – field contamination, sample hold times	The laboratory accuracy and precision are acceptable and no apparent sample bias. Results are usable for making project decisions. Method blank – non-detect for DRO's. LCS/LCSD %R within MPC limits. LCS/LCSD analyzed – RPD within MPC limits except for samples analyzed on 14th March – samples AH02089 & AH02090 qualified UJ. No sample qualifications due to MS/MSD recoveries as spikes < 4X native levels. ICAL; linear. ICV: confirms ICAL. CCV: within MPC limits. Field duplicate AH02071 was analyzed for native sample AH02068 – results in both samples were non-detects. Acceptable sampling precision as results were similar.	X	-	

*Tier III criteria.

Completeness Check: Inventory Check Sheet_____X__ Sample Quantitation Calculations (TIER III ONLY):

ECC Region I Data Review Worksheet (rv 3)
Project: NAS Brunswick ONFF ECC Job No. 5700

5030/VSK-175 (Region I Methane SOP)
Review Criteria: Region I Tier II Guidance and VSK-175 SOP (EPA 2001)

Data Validation Level	Matrix	Preservation	Temp Sample Receipt	Laboratory	SDG Number
Tier II	Aqueous	Hcl	1 cooler – Temp (°C): 13.4 °C.	Sub-contracted by NE Labs to Air Toxics Ltd.	Air Toxics # 0503251

Field Identification and Laboratory Number of Samples Evaluated:

Field ID	NE Lab Sample Number	ATL Sample Number
MW-NASB-701	AH01972	0503251-01A
MW-NASB-702	AH01973	0503251-02A
MW-NASB-TB01-03	AH01974	0503251-03A
MW-NASB-703	AH02009	0503251-04A
MW-NASB-TB04-06	AH02010	0503251-05A
MW-NASB-051	AH02048	0503251-06A
MW-NASB-207	AH02049	0503251-07A
MW-NASB-062	AH02047	0503251-09A

Note: Samples are described below in the data worksheets by reference to the last two digits of the Lab Sample Number.

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED/Rationale	Inventory	QUAL	BIAS
COC	1)Unbroken custody (accept or if broken R) 2) Temp≤6° 3) Unpreserved if analyzed for CO_2 4) No headspace	Cooler temperatures > 6 °C. Sample temperature preservation inadequate. As per Chain of Custody sample was shipped by NEL on 10th March and was not received until 14th March by ATL; COC also indicates that the ice used for sample refrigeration was melted upon receipt. Results for samples AH01972 and AH 02048 (detections) were qualified J, all other results in this SDG were qualified R and rejected.	X	Results for samples AH01972 and AH 02048 were qualified J, all other results in this SDG were qualified R.	
Holding Time	1) 14 Days to analysis, 2) J –detects, UJ or R –nondetects (function of time) 3) *transcription errors	Sample dates: March 8, 9 & 10, 2005. Analysis date: 15 March, 2005. All samples analyzed within holding time. No samples qualified.	X	-	
% Solids Check (SOLIDS)	30%<Solids: if no sample weight adjustment made. 1) <10% R entire sample 2) 10%.> and <30%; J-detects, NDs -R	Not applicable	-	-	
Lab Blanks (method blanks)	1) TGT analytes <Lab QL 2) if linear range is exceeded, verify if a instrument blank was performed 3) *verify accurate transcription of times, Ids, are reported on forms 4) *verify from the raw data if the instrument blank was performed in the same vessel 5) *verify IS, RRT, and surrogate %R *check 10% of raw chromatograms for false +/-, check for transcription errors	Lab blank is non-detect for methane. No samples qualified.	X	-	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED/Rationale	Inven-tory	QUAL	BIAS
Trip Blank	1) < MRL 2) TGT analytes <Lab QL (contact lab) -for soils indicate cross matrix TB (X rules apply to raw data) 4) MeCl & Acetone < 5 5) >RL report sample level U <RL report PQL as U	Trip blank results were non-detects but were rejected due to inadequate sample preservation.	X	-	
Equip Blank	1) < 5x (<10x common) contaminants for aq samples- 2) TGT analytes <Lab QL (contact lab) -for soils indicate TB (X rules don't apply) 3) MeCl & Acetone < 5 *Check IS area (10% of them) * recalculate surrogate (%R – 10 % of them)	Rinsate Blank: AH02090 – part of another SDG. No detection of methane in the rinsate blank – no sample qualifications.	X	-	
Results > Cal Range or <Cal Range	6) >Upper Cal Range J-detects - ensure instrument blank performed 7) <PQL but >MDL – J –detects (estimated) listed on data summary sheet.	Results greater than the MDL but less than MRL were qualified J. No such results - no samples qualified.	X	-	
LCS/ Lab Fortified Blank Recovery	1) 80-120% 2) Optional if an MS and MSD analyzed. 3) Should be analyzed if insufficient volume for an MS. 4) 10% and <LCL% J detects, UJ –Nods 5) >UCL% J detects <10% R NDs, J-detects 6) *Recalculate the concentrations for one compound in the LCS 7) * Recalucate the %R (within 10% of lab) Note: Tier guidance as a zero blind	LCS %R was within MPC limits. No samples qualified.	X	-	
MS/MSD Recovery	1) 80-120% for all VOCs (if MS > 4X native levels) Qualification of MS sample: <10% J detects, R NDs >10% and <LCL% J detects, UJ -NDs >UCL% J detects 3) *Recalculate the concentrations for one compound in the MS/MSD 6) * Recalucate the %R (within 10% of lab)	No MS/MSD analyzed along with this SDG.	X	-	
MS/MSD RPD	RPD ≤25% (aq) (when MS >QL) J –detects in MS field sample UJ-non detects * recalculate RPD	No MS/MSD analyzed along with this SDG.	X	-	
Lab Duplicate	Laboratory duplicate is performed if a FD is not analyzed.. Laboratory duplicate MPC <25% RPD	Laboratory duplicate analyzed for sample AH01972. RPD within MPC limits. Laboratory precision was acceptable.	X	-	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED/Rationale	Inven-tory	QUAL	BIAS
Field Dup RPD	1) RPD ≤ 30% aq. soil for Results > PQL (FD pair only) J-detects (both > PQL) 2) Note Method requires FD1 and FD2. For this project FD1 or FD2 will be a field sample. 3) If one >PQL, other ND, J-detections, UJ non-detect 4) Other conditions use judgement 5) Determine RPD for detects only. *Recalculate the concentrations for one compound and the PQL	No field duplicate analyzed with this SDG.	-	-	
*MDL Study	1) methane <0.05 mg/L 2) Ethane < 0.005 mg/L 3) Ethane <0.005 mg/L 4) *In accordance with 40CFR – seven replicates %RSD < 20% 5) * IS and retention times within method requirements 6) * performed annually 7) *MDL is at least ½ of PQL 8) *tgt and surrogate 80-120% R *VOA/SV-X11 (recalcuate %RSD and %R for three compounds (10% of them).	NA	-	-	
Sensitivity	1) MDL study – 7 replicates (40 CFR) 2) Surrogates %in control limits. 1) %R <10 ND- (R) , J- detects 2) 10%> but <LCL% , judgement 3) %R>UCL% J-detects 7) QC, IS, RRT meet criteria, 8) %RSD < 20% 9) MDL< MQL (3x less ideal) 10) Lab fortified blank (see VOA/SV Part II –section X). 11) *Check and recalculate %RSDs and %R for three compounds (with 10% of lab) Dilution factors for samples – impacts to sensitivity	The RDL was 5.00 ug/L, which was less than the required RL for the analytical method. No project action limits were specified for these parameters. 1 ug/L was established as a monitored natural attenuation parameter for these VOCs. The MDL is 2.9 ug/L and the MRL is 5 ug/L. Sensitivity is qualitatively adequate. No sample qualifications.	X	-	
*Compound Quantitation (completed as part of other steps)	1) Check sensitivy (MDL< 1/3 PQL) 2) *Recalculate one detection and quantitation limit 3) *verify concentrations have been adjusted to account for DW, DF, 4) *verifiy correct IS and RRF were used	NA	-	-	
*System Performance	1)* evaluate PES, MS//MSD, cal STDs, MDS study, and surrogates for systemic bias – high or low and access system accuracy 8) *Matrix effects- MS/MSD, surrogated, PDS. 9) *System chromatography- evaluate RRTs, peaks shapes, system impacts on data, baseline shifts. 10) *overall system contamination-review all blanks for systemic or sporadic contamination	NA	-	-	
*TGT Compound Identification	1) *Within 0.06 (30 sec) of CCV RRT 2) * compare sample Mass spectra to standard spectra; a) all ions in std spectra	NA	-	-	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED/Rationale	Inven-tory	QUAL	BIAS
	(with 10% rel intensity) presnent in sample spectra. B) sample ion abundance within 20% of standard spectra. 3) *chromatogram: all peaks greater than 10% of nearest IS identified.				
Initial Cal Multipoint (instrument evaluation)	1) correct calibration stds GC/FID method 2) COD>0.995 3) Lowest gas standard S/N ratio <5 4) This VOC fall under the *RRF exclusions of Section (IV-8) Tier II guidance* as this VOC has a poor purge efficiency which is acknowledged in the method. 5) RF for ethane and ethane within 25% 6) RF for methane within 25% of 1/2 of the ethane/ethane average RF.	Instrument ID: gc7 Date: 11 April, 2003. %RSD within MPC limits. No sample qualifications.	X	-	
2nd Source ICV	The ICV is optional per the method %D<25% Qualification: J detects, R or UJ NDs	Instrument ID: gc7 Date: 11 April, 2003. %D within MPC limits. No sample qualifications.	X	-	
CCV	1) %D<20% 2) every 4 hours or 25 samples and at the end of the sample batch. 3) Qualification-J detects, R or UJ NDs 4) *verify same instrument and parameters 5) *Recalculate RRF for one tgt cmpd associated with each IS. (within 10%) 6) *Recalculate %D for one tgt cmpd associated with each IS (within 10%) 7) *IS RRT<0.06 units (30 sec) 8) * IS area -50 % to 100 % of last ICAL 9) *option-review preparation logs to ensure cal stds are traceable to NIST stds. 10) *option-recalculate cal std concentration of one std. Must agree within 10% of lab (option if information is in data package)	Instrument ID: gc7 Date: March 15, 2005. %D within MPC limits. No sample qualifications.	X	-	
Overall Evaluation of Data	1) Appropriate method 2) Evaluate any analytical problems 3) Evaluate sampling errors – field contamination, sample hold times	Sample preservation inadequate – temperature > 6 °C. Sample result for the detections in this SDG – samples AH01972 and AH02048 - were qualified J. All other sample results were rejected and qualified R. Laboratory precision and accuracy are acceptable. No apparent sample matrix bias. Samples are usable for project decisions. ICAL; within MPC limits. ICV: within MPC limits. CCV: within MPC limits. No lab duplicate, field duplicate or MS/MSD analyzed with this sample. Sampling error Rinsate Blank: Part of another SDG. Non-detect for methane. No apparent cross-contamination from sampling equipment. Trip blank results were rejected due to	X	-	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED/Rationale	Inven-tory	QUAL	BIAS
		inadequate sample preservation. FD pair – not analyzed with this SDG.			

* Tier III review items only.

Completeness Check: Inventory Check Sheet_____X__. Sample Quantitation Calculations (TIER III only):

Laboratory Correspondence: Lab was contacted regarding high temperature of shipped samples. Lab is yet to reply or provide an explanation.

ECC Region I Data Review Worksheet (rv 3)
Project: NAS Brunswick ONFF ECC Job No. 5700

5030/VSK-175 (Region I Methane SOP)
Review Criteria: Region I Tier II
Guidance and VSK-175 SOP (EPA 2001)

Data Validation Level	Matrix	Preservation	Temp Sample Receipt	Laboratory	SDG Number
Tier II	Aqueous	Hcl	1 cooler – Temp 14.2 °C.	Sub-contracted by NE Labs to Air Toxics Ltd.	Air Toxics # 0503273

Field Identification and Laboratory Number of Samples Evaluated:

Field ID	NE Lab Sample Number	ATL Sample Number
MW-NASB-TB07-08	AH02050	0503273-01A

Note: Samples are described below in the data worksheets by reference to the last two digits of the Lab Sample Number.

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED/Rationale	Inventory	QUAL	BIAS
COC	1)Unbroken custody (accept or if broken R) 2) Temp≤6° 3) Unpreserved if analyzed for CO_2 4) No headspace	Cooler temperatures > 6 °C. Sample temperature preservation inadequate. As per Chain of Custody sample was shipped along with blue ice – inadequate for maintaining sample refrigeration. Sample result qualified R and rejected.	X	Sample AH02050 result qualified R.	
Holding Time	1) 14 Days to analysis, 2) J –detects, UJ or R –nondetects (function of time) 3) *transcription errors	Sample date: March 10, 2005. Analysis date: March 15, 2005. All samples analyzed within holding time. No samples qualified.	X	-	
% Solids Check (SOLIDS)	30%<Solids: if no sample weight adjustment made. 1) <10% R entire sample 2) 10%.> and <30%; J-detects, NDs -R	Not applicable	-	-	
Lab Blanks (method blanks)	1) TGT analytes <Lab QL 2) if linear range is exceeded, verify if a instrument blank was performed 3) *verify accurate transcription of times, Ids, are reported on forms 4) *verify from the raw data if the instrument blank was performed in the same vessel 5) *verify IS, RRT, and surrogate %R *check 10% of raw chromatograms for false +/-, check for transcription errors	Lab blank is non-detect for methane. No samples qualified.	X	-	
Trip Blank	1) < MRL 2) TGT analytes <Lab QL (contact lab) -for soils indicate cross matrix TB (X rules apply to raw data) 4) MeCl & Acetone < 5 5) >RL report sample level U <RL report PQL as U	The only sample in this SDG is a trip blank – was non-detect.	X	-	
Equip Blank	1) < 5x (<10x common) contaminants for aq samples- 2) TGT analytes <Lab QL (contact lab) -for soils indicate TB (X rules don't apply) 3) MeCl & Acetone < 5 *Check IS area (10% of them) * recalculate surrogate (%R – 10 % of them)	No applicable rinsate blank as the sample is a trip blank.	X	-	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED/Rationale	Inven-tory	QUAL	BIAS
Results > Cal Range or <Cal Range	6) >Upper Cal Range J-detects - ensure instrument blank performed 7) <PQL but >MDL – J –detects (estimated) listed on data summary sheet.	Results greater than the MDL but less than MRL were qualified J. No such results - no samples qualified.	X	-	
LCS/ Lab Fortified Blank Recovery	1) 80-120% 2) Optional if an MS and MSD analyzed. 3) Should be analyzed if insufficient volume for an MS. 4) 10% and <LCL% J detects, UJ –Nods 5) >UCL% J detects <10% R NDs, J-detects 6) *Recalculate the concentrations for one compound in the LCS 7) * Recalucate the %R (within 10% of lab) Note: Tier guidance as a zero blind	LCS %R was within MPC limits. No samples qualified.	X	-	
MS/MSD Recovery	1) 80-120% for all VOCs (if MS > 4X native levels) Qualification of MS sample: <10% J detects, R NDs >10% and <LCL% J detects, UJ -NDs >UCL% J detects 3) *Recalculate the concentrations for one compound in the MS/MSD * Recalucate the %R (within 10% of lab)	MS/MSD not analyzed with this SDG.	X	-	
MS/MSD RPD	RPD ≤25% (aq) (when MS >QL) J –detects in MS field sample UJ-non detects * recalculate RPD	MS/MSD not analyzed with this SDG.	X		
Lab Duplicate	Laboratory duplicate is performed if a FD is not analyzed.. Laboratory duplicate MPC <25% RPD	Lab duplicate not analyzed with this SDG.	X	-	
Field Dup RPD	1) RPD ≤ 30% aq. soil for Results > PQL (FD pair only) J-detects (both > PQL) 2) Note Method requires FD1 and FD2. For this project FD1 or FD2 will be a field sample. 3) If one >PQL, other ND, J-detections, UJ non-detect 4) Other conditions use judgement 5) Determine RPD for detects only. *Recalculate the concentrations for one compound and the PQL	Field duplicate not analyzed with this SDG.	X	-	
*MDL Study	1) methane <0.05 mg/L 2) Ethane < 0.005 mg/L 3) Ethane <0.005 mg/L 4) *In accordance with 40CFR – seven replicates %RSD < 20% 5) * IS and retention times within method requirements 6) * performed annually 7) *MDL is at least ½ of PQL 8) *tgt and surrogate 80-120% R *VOA/SV-X11 (recalcuate %RSD and %R	NA	-	-	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED/Rationale	Inven-tory	QUAL	BIAS
	for three compounds (10% of them).				
Sensitivity	1) MDL study – 7 replicates (40 CFR) 2) Surrogates %in control limits. 1) %R <10 ND- (R) , J- detects 2) 10%> but <LCL% , judgement 3) %R>UCL% J-detects 6) QC, IS, RRT meet criteria, 7) %RSD < 20% 8) MDL< MQL (3x less ideal) 9) Lab fortitied blank (see VOA/SV Part II –section X). 10) *Check and recalculate %RSDs and %R for three compounds (with 10% of lab) Dilution factors for samples – impacts to sensitivity	The RDL was 5.00 ug/L, which was less than the required RL for the analytical method. No project action limits were specified for these parameters. 1 ug/L was established as a monitored natural attenuation parameter for these VOCs. The MDL is 2.9 ug/L and the MRL is 5 ug/L. Sensitivity is qualitatively adequate. No sample qualifications.	X	-	
*Compound Quantitation (completed as part of other steps)	1) Check sensitivy (MDL< 1/3 PQL) 2) *Recalculate one detection and quantitation limit 3) *verify concentrations have been adjusted to account for DW, DF, 4) *verifiy correct IS and RRF were used	NA	-	-	
*System Performance	1)* evaluate PES, MS//MSD, cal STDs, MDS study, and surrogates for systemic bias – high or low and access system accuracy 8) *Matrix effects- MS/MSD, surrogated, PDS. 9) *System chromatography- evaluate RRTs, peaks shapes, system impacts on data, baseline shifts. 10) *overall system contamination-review all blanks for systemic or sporadic contamination	NA	-	-	
*TGT Compound Identification	1) *Within 0.06 (30 sec) of CCV RRT 2) * compare sample Mass spectra to standard spectra; a) all ions in std spectra (with 10% rel intensity) presnent in sample spectra. B) sample ion abundance within 20% of standard spectra. 3) *chromatogram: all peaks greater than 10% of nearest IS identified.	NA	-	-	
Initial Cal Multipoint (instrument evaluation)	1) correct calibration stds GC/FID method 2) COD>0.995 3) Lowest gas standard S/N ratio <5 4) This VOC fall under the *RRF exclusions of Section (IV-8) Tier II guidance* as this VOC has a poor purge efficiency which is acknowledged in the method. 5) RF for ethane and ethane within 25% 6) RF for methane within 25% of 1/2 of the ethane/ethane average RF.	Instrument ID: gc7 Date: 11 April, 2003. %RSD within MPC limits. No sample qualifications.	X	-	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED/Rationale	Inven-tory	QUAL	BIAS
2nd Source ICV	The ICV is optional per the method %D<25% Qualification: J detects, R or UJ NDs	Instrument ID: gc7 Date: 11 April, 2003. %D within MPC limits. No sample qualifications.	-	-	
CCV	1) %D<20% 2) every 4 hours or 25 samples and at the end of the sample batch. 3) Qualification-J detects, R or UJ NDs 4) *verify same instrument and parameters 5) *Recalculate RRF for one tgt cmpd associated with each IS. (within 10%) 6) *Recalculate %D for one tgt cmpd associated with each IS (within 10%) 7) *IS RRT<0.06 units (30 sec) 8) * IS area -50 % to 100 % of last ICAL 9) *option-review preparation logs to ensure cal stds are traceable to NIST stds. 10) *option-recalculate cal std concentration of one std. Must agree within 10% of lab (option if information is in data package)	Instrument ID: gc7 Date: March 15, 2005. %D within MPC limits. No sample qualifications.	X	-	
Overall Evaluation of Data	1) Appropriate method 2) Evaluate any analytical problems 3) Evaluate sampling errors – field contamination, sample hold times	Sample preservation inadequate – temperature > 6 °C. Sample result for the only sample in this SDG – a non-detect – was rejected and qualified R. Laboratory precision and accuracy are acceptable. No apparent sample matrix bias. Samples are usable for project decisions. ICAL; within MPC limits. ICV: within MPC limits. CCV: within MPC limits. No lab duplicate, field duplicate or MS/MSD analyzed with this sample.	X	-	

* Tier III review items only.

Completeness Check: Inventory Check Sheet_____X__. Sample Quantitation Calculations (TIER III only):

Laboratory Correspondence: Lab was contacted regarding high temperature of shipped samples. Lab is yet to reply or provide an explanation.

ECC Region I Data Review Worksheet (rv 3)
Project: NAS Brunswick ONFF ECC Job No. 5700

5030/VSK-175 (Region I Methane SOP)
Review Criteria: Region I Tier II
Guidance and VSK-175 SOP (EPA 2001)

Data Validation Level	Matrix	Preservation	Temp Sample Receipt	Laboratory	SDG Number
Tier II	Aqueous	Hcl	1 cooler – Temp 2.6 °C.	Sub-contracted by NE Labs to Air Toxics Ltd.	Air Toxics # 0503293

Field Identification and Laboratory Number of Samples Evaluated:

Field ID	NE Lab Sample Number	ATL Sample Number
MW-NASB-208BR	AH02089	0503293-01A
ONFF- Rinsate Blank	AH02090	0503293-02A
MW-NASB-TB11-13	AH02091	0503293-03A
MW-NASB-098	AH02068	0503293-04A
MW-NASB-058	AH02069	0503293-05A
MW-NASB-210	AH02070	0503293-06A
MW-NASB-DUP1	AH02071	0503293-07A
MW-NASB-TB09-10	AH02072	0503293-08A

Note: Samples are described below in the data worksheets by reference to the last two digits of the Lab Sample Number.

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED/Rationale	Inventory	QUAL	BIAS
COC	1)Unbroken custody (accept or if broken R) 2) Temp≤6° 3) Unpreserved if analyzed for CO_2 4) No headspace	Cooler temperatures < 6 °C. Sample temperature preservation adequate. Sample custody transferred from Field Team Leader to lab sample courier. Samples shipped by FedEx to the sub-contact lab. Samples Unbroken Chain of Custody. No samples qualified.	X	-	
Holding Time	1) 14 Days to analysis, 2) J –detects, UJ or R –nondetects (function of time) 3) *transcription errors	Sample date: March 11 & 14, 2005. Analysis date: March 21, 2005. All samples analyzed within holding time. No samples qualified.	X	-	
% Solids Check (SOLIDS)	30%<Solids: if no sample weight adjustment made. 1) <10% R entire sample 2) 10%.> and <30%; J-detects, NDs -R	Not applicable	-	-	
Lab Blanks (method blanks)	1) TGT analytes <Lab QL 2) if linear range is exceeded, verify if a instrument blank was performed 3) *verify accurate transcription of times, Ids, are reported on forms 4) *verify from the raw data if the instrument blank was performed in the same vessel 5) *verify IS, RRT, and surrogate %R *check 10% of raw chromatograms for false +/-, check for transcription errors	Lab blank is non-detect for methane. No samples qualified.	X	-	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED/Rationale	Inven-tory	QUAL	BIAS
Trip Blank	1) < MRL 2) TGT analytes <Lab QL (contact lab) -for soils indicate cross matrix TB (X rules apply to raw data) 4) MeCl & Acetone < 5 5) >RL report sample level U <RL report PQL as U	Trip blank samples – AH02072 and AH02091 – non-detect for methane.	X	-	
Equip Blank	1) < 5x (<10x common) contaminants for aq samples- 2) TGT analytes <Lab QL (contact lab) -for soils indicate TB (X rules don't apply) 3) MeCl & Acetone < 5 *Check IS area (10% of them) * recalculate surrogate (%R – 10 % of them)	Rinsate Blank: AH02090. No detection of methane in the rinsate blank – no sample qualifications.	X	-	
Results > Cal Range or <Cal Range	6) >Upper Cal Range J-detects - ensure instrument blank performed 7) <PQL but >MDL – J –detects (estimated) listed on data summary sheet.	Results greater than the MDL but less than MRL were qualified J. No such results - no samples qualified.	-	-	
LCS/ Lab Fortified Blank Recovery	1) 80-120% 2) Optional if an MS and MSD analyzed. 3) Should be analyzed if insufficient volume for an MS. 4) 10% and <LCL% J detects, UJ –Nods 5) >UCL% J detects <10% R NDs, J-detects 6) *Recalculate the concentrations for one compound in the LCS 7) * Recalucate the %R (within 10% of lab) Note: Tier guidance as a zero blind	LCS %R was within MPC limits. No samples qualified.	X	-	
MS/MSD Recovery	1) 80-120% for all VOCs (if MS > 4X native levels) Qualification of MS sample: <10% J detects, R NDs >10% and <LCL% J detects, UJ -NDs >UCL% J detects 3) *Recalculate the concentrations for one compound in the MS/MSD * Recalucate the %R (within 10% of lab)	MS/MSD analyzed for sample AH02068 with this SDG. MS/MSD recoveries within MPC limits.	X	-	
MS/MSD RPD	RPD ≤25% (aq) (when MS >QL) J –detects in MS field sample UJ-non detects * recalculate RPD	MS/MSD analyzed for sample AH02068 with this SDG. MS/MSD RPD within MPC limits.	-		
Lab Duplicate	Laboratory duplicate is performed if a FD is not analyzed.. Laboratory duplicate MPC <25% RPD	Lab duplicate analyzed for sample AH02089 – RPD within MPC limits.	X	-	
Field Dup RPD	1) RPD ≤ 30% aq. soil for Results > PQL (FD pair only) J-detects (both > PQL) 2) Note Method requires FD1 and FD2. For this project FD1 or FD2 will be a field sample. 3) If one >PQL, other ND, J-detections, UJ non-detect 4) Other conditions use judgement 5) Determine RPD for detects only. *Recalculate the concentrations for one compound and the PQL	Field duplicate sample AH02071 analyzed for native sample AH02068. RPD within MPC limits.	X	-	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED/Rationale	Inven-tory	QUAL	BIAS
*MDL Study	1) methane <0.05 mg/L 2) Ethane < 0.005 mg/L 3) Ethane <0.005 mg/L 4) *In accordance with 40CFR – seven replicates %RSD < 20% 5) * IS and retention times within method requirements 6) * performed annually 7) *MDL is at least ½ of PQL 8) *tgt and surrogate 80-120% R *VOA/SV-X11 (recalcuate %RSD and %R for three compounds (10% of them).	NA	-	-	
Sensitivity	1) MDL study – 7 replicates (40 CFR) 2) Surrogates %in control limits. 1) %R <10 ND- (R) , J- detects 2) 10%> but <LCL% , judgement 3) %R>UCL% J-detects 6) QC, IS, RRT meet criteria, 7) %RSD < 20% 8) MDL< MQL (3x less ideal) 9) Lab fortitied blank (see VOA/SV Part II –section X). 10) *Check and recalculate %RSDs and %R for three compounds (with 10% of lab) <u>Dilution factors for samples – impacts to sensitivity</u>	The RDL was 5.00 ug/L, which was less than the required RL for the analytical method. No project action limits were specified for these parameters. 1 ug/L was established as a monitored natural attenuation parameter for these VOCs. The MDL is 2.9 ug/L and the MRL is 5 ug/L. Sensitivity is qualitatively adequate. No sample qualifications.	X	-	
*Compound Quantitation (completed as part of other steps)	1) Check sensitivy (MDL< 1/3 PQL) 2) *Recalculate one detection and quantitation limit 3) *verify concentrations have been adjusted to account for DW, DF, 4) *verifiy correct IS and RRF were used	NA	-	-	
*System Performance	1)* evaluate PES, MS//MSD, cal STDs, MDS study, and surrogates for systemic bias – high or low and access system accuracy 8) *Matrix effects- MS/MSD, surrogated, PDS. 9) *System chromatography- evaluate RRTs, peaks shapes, system impacts on data, baseline shifts. 10) *overall system contamination-review all blanks for systemic or sporadic contamination	NA	-	-	
*TGT Compound Identification	1) *Within 0.06 (30 sec) of CCV RRT 2) * compare sample Mass spectra to standard spectra; a) all ions in std spectra (with 10% rel intensity) presnent in sample spectra. B) sample ion abundance within 20% of standard spectra. 3) *chromatogram: all peaks greater than 10% of nearest IS identified.	NA	-	-	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED/Rationale	Inven-tory	QUAL	BIAS
Initial Cal Multipoint (instrument evaluation)	1) correct calibration stds GC/FID method 2) COD>0.995 3) Lowest gas standard S/N ratio <5 4) This VOC fall under the *RRF exclusions of Section (IV-8) Tier II guidance* as this VOC has a poor purge efficiency which is acknowledged in the method. 5) RF for ethane and ethane within 25% 6) RF for methane within 25% of 1/2 of the ethane/ethane average RF.	Instrument ID: gc7 Date: 11 April, 2003. %RSD within MPC limits. No sample qualifications.	X	-	
2nd Source ICV	The ICV is optional per the method %D<25% Qualification: J detects, R or UJ NDs	Instrument ID: gc7 Date: 11 April, 2003. %D within MPC limits. No sample qualifications.	X	-	
CCV	1) %D<20% 2) every 4 hours or 25 samples and at the end of the sample batch. 3) Qualification-J detects, R or UJ NDs 4) *verify same instrument and parameters 5) *Recalculate RRF for one tgt cmpd associated with each IS. (within 10%) 6) *Recalculate %D for one tgt cmpd associated with each IS (within 10%) 7) *IS RRT<0.06 units (30 sec) 8) * IS area -50 % to 100 % of last ICAL 9) *option-review preparation logs to ensure cal stds are traceable to NIST stds. 10) *option-recalculate cal std concentration of one std. Must agree within 10% of lab (option if information is in data package)	Instrument ID: gc7 Date: March 21, 2005. %D within MPC limits. No sample qualifications.	X	-	
Overall Evaluation of Data	1) Appropriate method 2) Evaluate any analytical problems 3) Evaluate sampling errors – field contamination, sample hold times	Laboratory precision and accuracy are acceptable. Samples are usable for project decisions. All surrogate, LCS, MS/MSD recoveries and MS/MSD RPD's were within MPC limits. ICAL: within MPC limits. ICV: within MPC limits. CCV: within MPC limits. Trip blank and method blank were non-detect for methane. Field duplicate sample AH02071 analyzed for native sample AH02068. RPD within MPC limits.	X	-	

* Tier III review items only.

Completeness Check: Inventory Check Sheet_____X__. Sample Quantitation Calculations (TIER III only):

Laboratory Correspondence: None.

ECC Region I Data Review Worksheet **Alkalinity EPA310.1**
Project: Brunswick Site ONFF Job No. 5700 **TIER I**

Data Validation Level	Matrix	Preservation	Temperature Sample Receipt	Laboratory	SDG Number
Tier I	Aqueous	-	5 coolers – Temp (°C): 5.7, 4.8, 4.2, 3.8 & 5.3.	Northeast Laboratory Waterville, ME	Lab SDG# 033105

Field Identification of Samples Evaluated:

Field ID	Lab Sample Number
MW-NASB-701	AH01972
MW-NASB-702	AH01973
MW-NASB-703	AH02009
MW-NASB-062	AH02047
MW-NASB-051	AH02048
MW-NASB-207	AH02049
MW-NASB-098	AH02068
MW-NASB-058	AH02069
MW-NASB-210	AH02070
MW-NASB-DUP1	AH02071 field duplicate for AH02068
MW-NASB-208BR	AH02089

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED/Narrative Evaluation	Inventory
COC	1)Unbroken custody (accept or if broken R) 2) Temp≤6° (Soil-J detects, R -nondetects 3) preserved per method (amber bottles, temperature. J, UJ, or R (function of HT and compound)	Cooler temperatures < 6 °C. Sample preservation adequate. Sample custody transferred from Field Team Leader to lab sample courier. Unbroken Chain of Custody. Sample preservation within limits. No samples qualified.	X
Holding Time	1) 28 days 2) J –detects, UJ or R –nondetects (function of time). Sample not qualified for a Tier I review.	Sample dates: March 8, 9 10, 11 & 14, 2005. Analyzed by: 16 March, 2005. All samples analyzed within holding time. No samples qualified.	X
Results > Cal Range or <Cal Range	1) >Upper Cal Range J-detects - ensure instrument blank performed 2) <PQL but >MDL – J –detects (estimated)	none	X
Results	1) Results are provided by laboratory	provided	X
Calibration	1) calibration information provided, as per method SOP	provided	X
Accuracy Check	1) accuracy information provided, as per method SOP	Provided	X

Completeness Check: Inventory Check Sheet_____X__

ECC Region I Data Review Worksheet **Sulfate EPA 9056**
Project: Brunswick Site ONFF Job No. 5700 **TIER I**

Data Validation Level	Matrix	Preservation	Temperature Sample Receipt	Laboratory	SDG Number
Tier I	**Aqueous**	-	**5 coolers – Temp (°C): 5.7, 4.8, 4.2, 3.8 & 5.3.**	**Northeast Laboratory Waterville, ME**	**Lab SDG# 033105**

Field Identification of Samples Evaluated:

Field ID	Lab Sample Number
MW-NASB-701	AH01972
MW-NASB-702	AH01973
MW-NASB-703	AH02009
MW-NASB-062	AH02047
MW-NASB-051	AH02048
MW-NASB-207	AH02049
MW-NASB-098	AH02068
MW-NASB-058	AH02069
MW-NASB-210	AH02070
MW-NASB-DUP1	AH02071 field duplicate for AH02068
MW-NASB-208BR	AH02089

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED/Narrative Evaluation	Inventory
COC	1)Unbroken custody (accept or if broken R) 2) Temp≤6° (Soil-J detects, R -nondetects 3) preserved per method (amber bottles, temperature. J, UJ, or R (function of HT and compound)	Cooler temperatures < 6 °C. Sample preservation adequate. Sample custody transferred from Field Team Leader to lab sample courier. Unbroken Chain of Custody. Sample preservation within limits. No samples qualified.	X
Holding Time	1) 28 days 2) J –detects, UJ or R –nondetects (function of time). Sample not qualified for a Tier I review.	Sample dates: March 8, 9 10, 11 & 14, 2005. Analyzed by: 16 March, 2005. All samples analyzed within holding time. No samples qualified.	X
Results > Cal Range or <Cal Range	1) >Upper Cal Range J-detects - ensure instrument blank performed 2) <PQL but >MDL – J –detects (estimated)	none	X
Results	1) Results are provided by laboratory	provided	X
Calibration	1) calibration information provided, as per method SOP	provided	X
Accuracy Check	1) accuracy information provided, as per method SOP	Provided	X

Completeness Check: Inventory Check Sheet_____X__

ECC Region I Data Review Worksheet **Nitrate EPA 353.2**
Project: Brunswick Site ONFF Job No. 5700 **TIER I**

Data Validation Level	Matrix	Preservation	Temperature Sample Receipt	Laboratory	SDG Number
Tier I	Aqueous	-	5 coolers – Temp (°C): 5.7, 4.8, 4.2, 3.8 & 5.3.	Northeast Laboratory Waterville, ME	Lab SDG# 033105

Field Identification of Samples Evaluated:

Field ID	Lab Sample Number
MW-NASB-701	AH01972
MW-NASB-702	AH01973
MW-NASB-703	AH02009
MW-NASB-062	AH02047
MW-NASB-051	AH02048
MW-NASB-207	AH02049
MW-NASB-098	AH02068
MW-NASB-058	AH02069
MW-NASB-210	AH02070
MW-NASB-DUP1	AH02071 field duplicate for AH02068
MW-NASB-208BR	AH02089

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED/Narrative Evaluation	Inventory
COC	1)Unbroken custody (accept or if broken R) 2) Temp≤6° (Soil-J detects, R -nondetects 3) preserved per method (amber bottles, temperature. J, UJ, or R (function of HT and compound)	Cooler temperatures < 6 °C. Sample preservation adequate. Sample custody transferred from Field Team Leader to lab sample courier. Unbroken Chain of Custody. Sample preservation within limits. No samples qualified.	X
Holding Time	1) 28 days 2) J –detects, UJ or R –nondetects (function of time). Sample not qualified for a Tier I review.	Sample dates: March 8, 9 10, 11 & 14, 2005. Analyzed by: 15 March, 2005. All samples analyzed within holding time. No samples qualified.	X
Results > Cal Range or <Cal Range	1) >Upper Cal Range J-detects - ensure instrument blank performed 2) <PQL but >MDL – J –detects (estimated)	none	X
Results	1) Results are provided by laboratory	provided	X
Calibration	1) calibration information provided, as per method SOP	provided	X
Accuracy Check	1) accuracy information provided, as per method SOP	Provided	X

Completeness Check: Inventory Check Sheet_____X__

ECC Region I Data Review Worksheet **Ferrous SM3500 Fe D**
Project: Brunswick Site ONFF Job No. 5700 **TIER I**

Data Validation Level	Matrix	Preservation	Temperature Sample Receipt	Laboratory	SDG Number
Tier I	Aqueous	-	5 coolers – Temp (°C): 5.7, 4.8, 4.2, 3.8 & 5.3.	Northeast Laboratory Waterville, ME	Lab SDG# 033105

Field Identification of Samples Evaluated:

Field ID	Lab Sample Number
MW-NASB-701	AH01972
MW-NASB-702	AH01973
MW-NASB-703	AH02009
MW-NASB-062	AH02047
MW-NASB-051	AH02048
MW-NASB-207	AH02049
MW-NASB-098	AH02068
MW-NASB-058	AH02069
MW-NASB-210	AH02070
MW-NASB-DUP1	AH02071 field duplicate for AH02068
MW-NASB-208BR	AH02089

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED/Narrative Evaluation	Inventory
COC	1)Unbroken custody (accept or if broken R) 2) Temp≤6° (Soil-J detects, R -nondetects 3) preserved per method (amber bottles, temperature. J, UJ, or R (function of HT and compound)	Cooler temperatures < 6 °C. Sample preservation adequate. Sample custody transferred from Field Team Leader to lab sample courier. Unbroken Chain of Custody. Sample preservation within limits. No samples qualified.	X
Holding Time	1) 28 days 2) J –detects, UJ or R –nondetects (function of time). Sample not qualified for a Tier I review.	Sample dates: March 8, 9 10, 11 & 14, 2005. Analyzed by: 15 March, 2005. All samples analyzed within holding time. No samples qualified.	X
Results > Cal Range or <Cal Range	1) >Upper Cal Range J-detects - ensure instrument blank performed 2) <PQL but >MDL – J –detects (estimated)	none	X
Results	1) Results are provided by laboratory	provided	X
Calibration	1) calibration information provided, as per method SOP	provided	X
Accuracy Check	1) accuracy information provided, as per method SOP	Provided	X

Completeness Check: Inventory Check Sheet_____X__

ECC Region I Data Review Worksheet **TOC EPA 415.1**
Project: Brunswick Site ONFF Job No. 5700 **TIER I**

Data Validation Level	Matrix	Preservation	Temperature Sample Receipt	Laboratory	SDG Number
Tier I	Aqueous	Hcl	5 coolers – Temp (°C): 5.7, 4.8, 4.2, 3.8 & 5.3.	Northeast Laboratory Waterville, ME	Lab SDG# 033105

Field Identification of Samples Evaluated:

Field ID	Lab Sample Number
MW-NASB-701	AH01972
MW-NASB-702	AH01973
MW-NASB-703	AH02009
MW-NASB-062	AH02047
MW-NASB-051	AH02048
MW-NASB-207	AH02049
MW-NASB-098	AH02068
MW-NASB-058	AH02069
MW-NASB-210	AH02070
MW-NASB-DUP1	AH02071 field duplicate for AH02068
MW-NASB-208BR	AH02089

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED/Narrative Evaluation	Inventory
COC	1)Unbroken custody (accept or if broken R) 2) Temp≤6° (Soil-J detects, R -nondetects 3) preserved per method (amber bottles, temperature. J, UJ, or R (function of HT and compound)	Cooler temperatures < 6 °C. Sample preservation adequate. Sample custody transferred from Field Team Leader to lab sample courier. Unbroken Chain of Custody. Sample preservation within limits. No samples qualified.	X
Holding Time	1) 28 days 2) J –detects, UJ or R –nondetects (function of time). Sample not qualified for a Tier I review.	Sample dates: March 8, 9 10, 11 & 14, 2005. Analyzed by: 15 March, 2005. All samples analyzed within holding time. No samples qualified.	X
Results > Cal Range or <Cal Range	1) >Upper Cal Range J-detects - ensure instrument blank performed 2) <PQL but >MDL – J –detects (estimated)	none	X
Results	1) Results are provided by laboratory	provided	X
Calibration	1) calibration information provided, as per method SOP	provided	X
Accuracy Check	1) accuracy information provided, as per method SOP	Provided	X

Completeness Check: Inventory Check Sheet_____X__

Sample Name	NE Lab ID	ATL Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Detect Flag	Qualifier	MDL	RDL
MW-NASB-701	AH01972	NA	EPA 8260B	3/8/2005	1	1,1,1,2-Tetrachloroethane	2	ug/L	N	U	0.14	2
MW-NASB-701	AH01972	NA	EPA 8260B	3/8/2005	1	1,1,1-Trichloroethane	2	ug/L	N	U	0.29	2
MW-NASB-701	AH01972	NA	EPA 8260B	3/8/2005	1	1,1,2,2-Tetrachloroethane	2	ug/L	N	U	0.39	2
MW-NASB-701	AH01972	NA	EPA 8260B	3/8/2005	1	1,1,2-Trichloroethane	2	ug/L	N	U	0.2	2
MW-NASB-701	AH01972	NA	EPA 8260B	3/8/2005	1	1,1-Dichloroethane	2	ug/L	N	U	0.28	2
MW-NASB-701	AH01972	NA	EPA 8260B	3/8/2005	1	1,1-Dichloroethene	2	ug/L	N	U	0.32	2
MW-NASB-701	AH01972	NA	EPA 8260B	3/8/2005	1	1,1-Dichloropropene	2	ug/L	N	U	0.23	2
MW-NASB-701	AH01972	NA	EPA 8260B	3/8/2005	1	1,2,3-Trichlorobenzene	2	ug/L	N	U	0.19	2
MW-NASB-701	AH01972	NA	EPA 8260B	3/8/2005	1	1,2,3-Trichloropropane	2	ug/L	N	U	0.48	2
MW-NASB-701	AH01972	NA	EPA 8260B	3/8/2005	1	1,2,4-Trichlorobenzene	2	ug/L	N	U	0.25	2
MW-NASB-701	AH01972	NA	EPA 8260B	3/8/2005	1	1,2,4-Trimethylbenzene	2	ug/L	N	U	0.1	2
MW-NASB-701	AH01972	NA	EPA 8260B	3/8/2005	1	1,2-Dibromo-3-Chloropropane	2	ug/L	N	UJ	1.2	2
MW-NASB-701	AH01972	NA	EPA 8260B	3/8/2005	1	1,2-Dibromoethane	2	ug/L	N	U	0.46	2
MW-NASB-701	AH01972	NA	EPA 8260B	3/8/2005	1	1,2-Dichlorobenzene	2	ug/L	N	UJ	0.34	2
MW-NASB-701	AH01972	NA	EPA 8260B	3/8/2005	1	1,2-Dichloroethane	2	ug/L	N	U	0.46	2
MW-NASB-701	AH01972	NA	EPA 8260B	3/8/2005	1	1,2-Dichloropropane	2	ug/L	N	U	0.1	2
MW-NASB-701	AH01972	NA	EPA 8260B	3/8/2005	1	1,3,5-Trimethylbenzene	2	ug/L	N	U	0.15	2
MW-NASB-701	AH01972	NA	EPA 8260B	3/8/2005	1	1,3-Dichlorobenzene	2	ug/L	N	U	0.17	2
MW-NASB-701	AH01972	NA	EPA 8260B	3/8/2005	1	1,3-Dichloropropane	2	ug/L	N	U	0.35	2
MW-NASB-701	AH01972	NA	EPA 8260B	3/8/2005	1	1,4-Dichlorobenzene	2	ug/L	N	U	0.23	2
MW-NASB-701	AH01972	NA	EPA 8260B	3/8/2005	1	2,2-Dichloropropane	2	ug/L	N	U	0.16	2
MW-NASB-701	AH01972	NA	EPA 8260B	3/8/2005	1	2-Butanone	10	ug/L	N	U	0.42	10
MW-NASB-701	AH01972	NA	EPA 8260B	3/8/2005	1	2-Chlorotoluene	2	ug/L	N	U	0.19	2
MW-NASB-701	AH01972	NA	EPA 8260B	3/8/2005	1	2-Hexanone	10	ug/L	N	R	2.42	10
MW-NASB-701	AH01972	NA	EPA 8260B	3/8/2005	1	2-Methoxy-2-Methylbutane (TAME)	2	ug/L	N	U	0.46	2
MW-NASB-701	AH01972	NA	EPA 8260B	3/8/2005	1	4-Chlorotoluene	2	ug/L	N	U	0.13	2
MW-NASB-701	AH01972	NA	EPA 8260B	3/8/2005	1	4-Isopropyltoluene	2	ug/L	N	U	0.11	2
MW-NASB-701	AH01972	NA	EPA 8260B	3/8/2005	1	Acetone	23	ug/L	Y	J	4.14	10
MW-NASB-701	AH01972	NA	EPA 310.1	3/8/2005	1	Alkalinity, Titrimetic	69	mg/L	Y		0.35	1
MW-NASB-701	AH01972	NA	EPA 8260B	3/8/2005	1	Benzene	1	ug/L	N	U	0.26	1
MW-NASB-701	AH01972	NA	MEDEP 4.2.17	3/8/2005	1	Benzene	1	ug/L	N	U	0	1
MW-NASB-701	AH01972	NA	EPA 8260B	3/8/2005	1	Bromobenzene	2	ug/L	N	U	0.18	2
MW-NASB-701	AH01972	NA	EPA 8260B	3/8/2005	1	Bromochloromethane	2	ug/L	N	U	0.62	2
MW-NASB-701	AH01972	NA	EPA 8260B	3/8/2005	1	Bromodichloromethane	2	ug/L	N	U	0.22	2
MW-NASB-701	AH01972	NA	EPA 8260B	3/8/2005	1	Bromoform	2	ug/L	N	U	0.37	2
MW-NASB-701	AH01972	NA	EPA 8260B	3/8/2005	1	Bromomethane	2	ug/L	N	UJ	0.52	2
MW-NASB-701	AH01972	NA	EPA 8260B	3/8/2005	1	Carbon Disulfide	2	ug/L	N	U	0.27	2
MW-NASB-701	AH01972	NA	EPA 8260B	3/8/2005	1	Carbon Tetrachloride	2	ug/L	N	U	0.27	2
MW-NASB-701	AH01972	NA	EPA 8260B	3/8/2005	1	Chlorobenzene	2	ug/L	N	U	0.18	2
MW-NASB-701	AH01972	NA	EPA 8260B	3/8/2005	1	Chloroethane	2	ug/L	N	U	1.52	2
MW-NASB-701	AH01972	NA	EPA 8260B	3/8/2005	1	Chloroform	2	ug/L	N	U	0.42	2
MW-NASB-701	AH01972	NA	EPA 8260B	3/8/2005	1	Chloromethane	2	ug/L	N	U	0.38	2
MW-NASB-701	AH01972	NA	EPA 8260B	3/8/2005	1	cis-1,2-Dichloroethene	2	ug/L	N	U	0.55	2
MW-NASB-701	AH01972	NA	EPA 8260B	3/8/2005	1	cis-1,3-Dichloropropene	2	ug/L	N	U	0.13	2
MW-NASB-701	AH01972	NA	EPA 8260B	3/8/2005	1	Dibromochloromethane	2	ug/L	N	U	0.32	2
MW-NASB-701	AH01972	NA	EPA 8260B	3/8/2005	1	Dibromomethane	2	ug/L	N	U	0.36	2
MW-NASB-701	AH01972	NA	EPA 8260B	3/8/2005	1	Dichlorodifluoromethane	2	ug/L	N	U	0.51	2

Sample Name	NE Lab ID	ATL Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Detect Flag	Qualifier	MDL	RDL
MW-NASB-701	AH01972	NA	MEDEP 4.1.25	3/8/2005	1	Diesel Range Organics	50	ug/L	N	U	4.2	50
MW-NASB-701	AH01972	NA	EPA 8260B	3/8/2005	1	Diethyl Ether	2	ug/L	N	U	4.23	2
MW-NASB-701	AH01972	NA	EPA 8260B	3/8/2005	1	Diisopropyl ether (DIPE)	2	ug/L	N	U	0.14	2
MW-NASB-701	AH01972	NA	MEDEP 4.2.17	3/8/2005	1	Ethyl benzene	1	ug/L	N	U	0	1
MW-NASB-701	AH01972	NA	EPA 8260B	3/8/2005	1	Ethylbenzene	1	ug/L	N	U	0.15	1
MW-NASB-701	AH01972	NA	EPA 8260B	3/8/2005	1	Ethyl-t-butyl-ether (ETBE)	2	ug/L	N	U	0.14	2
MW-NASB-701	AH01972	NA	SM 3500 Fe D	3/8/2005	1	Ferrous Iron	6600	ug/L	Y		0	25
MW-NASB-701	AH01972	NA	MEDEP 4.2.17	3/8/2005	1	GROAQ	62	ug/L	Y		2.94	10
MW-NASB-701	AH01972	NA	EPA 8260B	3/8/2005	1	Hexachlorobutadiene	2	ug/L	N	U	0.27	2
MW-NASB-701	AH01972	NA	EPA 8260B	3/8/2005	1	Isopropylbenzene	2	ug/L	N	U	0.13	2
MW-NASB-701	AH01972	NA	EPA 8260B	3/8/2005	1	m,p-Xylene	1	ug/L	N	U	0.25	1
MW-NASB-701	AH01972	NA	EPA 8260B	3/8/2005	1	Methyl isobutyl ketone	10	ug/L	N	U	0.17	10
MW-NASB-701	AH01972	NA	EPA 8260B	3/8/2005	1	Methylene Chloride	5	ug/L	N	UJ	1.05	5
MW-NASB-701	AH01972	NA	MEDEP 4.2.17	3/8/2005	1	MTBE (Methyl-t-Butyl Ether)	3.1	ug/L	Y		0	2
MW-NASB-701	AH01972	NA	EPA 8260B	3/8/2005	1	Naphthalene	2	ug/L	N	UJ	0.25	2
MW-NASB-701	AH01972	NA	EPA 8260B	3/8/2005	1	n-Butylbenzene	2	ug/L	N	U	0.37	2
MW-NASB-701	AH01972	NA	EPA 353.2	3/8/2005	1	Nitrate-N	0.1	mg/L	N	U	0.025	0.1
MW-NASB-701	AH01972	NA	EPA 8260B	3/8/2005	1	n-Propylbenzene	2	ug/L	N	U	0.15	2
MW-NASB-701	AH01972	NA	EPA 8260B	3/8/2005	1	o-Xylene	1	ug/L	N	U	0.19	1
MW-NASB-701	AH01972	NA	EPA 8260B	3/8/2005	1	sec-Butylbenzene	2	ug/L	N	U	0.14	2
MW-NASB-701	AH01972	NA	EPA 8260B	3/8/2005	1	Styrene	2	ug/L	N	U	0.15	2
MW-NASB-701	AH01972	NA	EPA 9056	3/8/2005	1	Sulfate	45	mg/L	Y		310	1
MW-NASB-701	AH01972	NA	EPA 8260B	3/8/2005	1	t-Butyl-Methyl Ether	1	ug/L	N	U	0.32	1
MW-NASB-701	AH01972	NA	EPA 8260B	3/8/2005	1	tert-Butanol (TBA)	20	ug/L	N	R	0	20
MW-NASB-701	AH01972	NA	EPA 8260B	3/8/2005	1	tert-Butylbenzene	2	ug/L	N	U	0.27	2
MW-NASB-701	AH01972	NA	EPA 8260B	3/8/2005	1	Tetrachloroethene	2	ug/L	N	U	0.55	2
MW-NASB-701	AH01972	NA	EPA 8260B	3/8/2005	1	Tetrahydrofuran	5	ug/L	N	R	2.16	5
MW-NASB-701	AH01972	NA	MEDEP 4.2.17	3/8/2005	1	Toluene	1	ug/L	N	U	0	1
MW-NASB-701	AH01972	NA	EPA 8260B	3/8/2005	1	Toluene	1	ug/L	N	U	0.15	1
MW-NASB-701	AH01972	NA	EPA 415.1	3/8/2005	4	Total Organic Carbon	21	mg/L	Y		0.343	4
MW-NASB-701	AH01972	NA	MEDEP 4.2.17	3/8/2005	1	Total xylenes	1	ug/L	N	U	0	1
MW-NASB-701	AH01972	NA	EPA 8260B	3/8/2005	1	trans-1,2-Dichloroethene	2	ug/L	N	U	0.25	2
MW-NASB-701	AH01972	NA	EPA 8260B	3/8/2005	1	trans-1,3-Dichloropropene	2	ug/L	N	U	0.64	2
MW-NASB-701	AH01972	NA	EPA 8260B	3/8/2005	1	Trichloroethene	2	ug/L	N	U	0.28	2
MW-NASB-701	AH01972	NA	EPA 8260B	3/8/2005	1	Trichlorofluoromethane	2	ug/L	N	U	0.41	2
MW-NASB-701	AH01972	NA	EPA 8260B	3/8/2005	1	Vinyl Chloride	2	ug/L	N	U	0.43	2
MW-NASB-702	AH01973	NA	EPA 8260B	3/8/2005	1	1,1,1,2-Tetrachloroethane	2	ug/L	N	U	0.14	2
MW-NASB-702	AH01973	NA	EPA 8260B	3/8/2005	1	1,1,1-Trichloroethane	2	ug/L	N	U	0.29	2
MW-NASB-702	AH01973	NA	EPA 8260B	3/8/2005	1	1,1,2,2-Tetrachloroethane	2	ug/L	N	U	0.39	2
MW-NASB-702	AH01973	NA	EPA 8260B	3/8/2005	1	1,1,2-Trichloroethane	2	ug/L	N	U	0.2	2
MW-NASB-702	AH01973	NA	EPA 8260B	3/8/2005	1	1,1-Dichloroethane	2	ug/L	N	U	0.28	2
MW-NASB-702	AH01973	NA	EPA 8260B	3/8/2005	1	1,1-Dichloroethene	2	ug/L	N	U	0.32	2
MW-NASB-702	AH01973	NA	EPA 8260B	3/8/2005	1	1,1-Dichloropropene	2	ug/L	N	U	0.23	2
MW-NASB-702	AH01973	NA	EPA 8260B	3/8/2005	1	1,2,3-Trichlorobenzene	2	ug/L	N	U	0.19	2
MW-NASB-702	AH01973	NA	EPA 8260B	3/8/2005	1	1,2,3-Trichloropropane	2	ug/L	N	U	0.48	2
MW-NASB-702	AH01973	NA	EPA 8260B	3/8/2005	1	1,2,4-Trichlorobenzene	2	ug/L	N	U	0.25	2
MW-NASB-702	AH01973	NA	EPA 8260B	3/8/2005	1	1,2,4-Trimethylbenzene	2	ug/L	N	U	0.1	2

Sample Name	NE Lab ID	ATL Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Detect Flag	Qualifier	MDL	RDL
MW-NASB-702	AH01973	NA	EPA 8260B	3/8/2005	1	1,2-Dibromo-3-Chloropropane	2	ug/L	N	UJ	1.2	2
MW-NASB-702	AH01973	NA	EPA 8260B	3/8/2005	1	1,2-Dibromoethane	2	ug/L	N	U	0.46	2
MW-NASB-702	AH01973	NA	EPA 8260B	3/8/2005	1	1,2-Dichlorobenzene	2	ug/L	N	UJ	0.34	2
MW-NASB-702	AH01973	NA	EPA 8260B	3/8/2005	1	1,2-Dichloroethane	2	ug/L	N	U	0.46	2
MW-NASB-702	AH01973	NA	EPA 8260B	3/8/2005	1	1,2-Dichloropropane	2	ug/L	N	U	0.1	2
MW-NASB-702	AH01973	NA	EPA 8260B	3/8/2005	1	1,3,5-Trimethylbenzene	2	ug/L	N	U	0.15	2
MW-NASB-702	AH01973	NA	EPA 8260B	3/8/2005	1	1,3-Dichlorobenzene	2	ug/L	N	U	0.17	2
MW-NASB-702	AH01973	NA	EPA 8260B	3/8/2005	1	1,3-Dichloropropane	2	ug/L	N	U	0.35	2
MW-NASB-702	AH01973	NA	EPA 8260B	3/8/2005	1	1,4-Dichlorobenzene	2	ug/L	N	U	0.23	2
MW-NASB-702	AH01973	NA	EPA 8260B	3/8/2005	1	2,2-Dichloropropane	2	ug/L	N	U	0.16	2
MW-NASB-702	AH01973	NA	EPA 8260B	3/8/2005	1	2-Butanone	10	ug/L	N	U	0.42	10
MW-NASB-702	AH01973	NA	EPA 8260B	3/8/2005	1	2-Chlorotoluene	2	ug/L	N	U	0.19	2
MW-NASB-702	AH01973	NA	EPA 8260B	3/8/2005	1	2-Hexanone	10	ug/L	N	R	2.42	10
MW-NASB-702	AH01973	NA	EPA 8260B	3/8/2005	1	2-Methoxy-2-Methylbutane (TAME)	2	ug/L	N	U	0.46	2
MW-NASB-702	AH01973	NA	EPA 8260B	3/8/2005	1	4-Chlorotoluene	2	ug/L	N	U	0.13	2
MW-NASB-702	AH01973	NA	EPA 8260B	3/8/2005	1	4-Isopropyltoluene	2	ug/L	N	U	0.11	2
MW-NASB-702	AH01973	NA	EPA 8260B	3/8/2005	1	Acetone	10	ug/L	N	UJ	4.14	10
MW-NASB-702	AH01973	NA	EPA 310.1	3/8/2005	1	Alkalinity, Titrimetic	40	mg/L	Y		0.35	1
MW-NASB-702	AH01973	NA	EPA 8260B	3/8/2005	1	Benzene	1	ug/L	N	U	0.26	1
MW-NASB-702	AH01973	NA	MEDEP 4.2.17	3/8/2005	1	Benzene	1	ug/L	N	U	0	1
MW-NASB-702	AH01973	NA	EPA 8260B	3/8/2005	1	Bromobenzene	2	ug/L	N	U	0.18	2
MW-NASB-702	AH01973	NA	EPA 8260B	3/8/2005	1	Bromochloromethane	2	ug/L	N	U	0.62	2
MW-NASB-702	AH01973	NA	EPA 8260B	3/8/2005	1	Bromodichloromethane	2	ug/L	N	U	0.22	2
MW-NASB-702	AH01973	NA	EPA 8260B	3/8/2005	1	Bromoform	2	ug/L	N	U	0.37	2
MW-NASB-702	AH01973	NA	EPA 8260B	3/8/2005	1	Bromomethane	2	ug/L	N	UJ	0.52	2
MW-NASB-702	AH01973	NA	EPA 8260B	3/8/2005	1	Carbon Disulfide	2	ug/L	N	U	0.27	2
MW-NASB-702	AH01973	NA	EPA 8260B	3/8/2005	1	Carbon Tetrachloride	2	ug/L	N	U	0.27	2
MW-NASB-702	AH01973	NA	EPA 8260B	3/8/2005	1	Chlorobenzene	2	ug/L	N	U	0.18	2
MW-NASB-702	AH01973	NA	EPA 8260B	3/8/2005	1	Chloroethane	2	ug/L	N	U	1.52	2
MW-NASB-702	AH01973	NA	EPA 8260B	3/8/2005	1	Chloroform	2	ug/L	N	U	0.42	2
MW-NASB-702	AH01973	NA	EPA 8260B	3/8/2005	1	Chloromethane	2	ug/L	N	U	0.38	2
MW-NASB-702	AH01973	NA	EPA 8260B	3/8/2005	1	cis-1,2-Dichloroethene	2	ug/L	N	U	0.55	2
MW-NASB-702	AH01973	NA	EPA 8260B	3/8/2005	1	cis-1,3-Dichloropropene	2	ug/L	N	U	0.13	2
MW-NASB-702	AH01973	NA	EPA 8260B	3/8/2005	1	Dibromochloromethane	2	ug/L	N	U	0.32	2
MW-NASB-702	AH01973	NA	EPA 8260B	3/8/2005	1	Dibromomethane	2	ug/L	N	U	0.36	2
MW-NASB-702	AH01973	NA	EPA 8260B	3/8/2005	1	Dichlorodifluoromethane	2	ug/L	N	U	0.51	2
MW-NASB-702	AH01973	NA	MEDEP 4.1.25	3/8/2005	1	Diesel Range Organics	50	ug/L	N	U	4.2	50
MW-NASB-702	AH01973	NA	EPA 8260B	3/8/2005	1	Diethyl Ether	2	ug/L	N	U	4.23	2
MW-NASB-702	AH01973	NA	EPA 8260B	3/8/2005	1	Diisopropyl ether (DIPE)	2	ug/L	N	U	0.14	2
MW-NASB-702	AH01973	NA	MEDEP 4.2.17	3/8/2005	1	Ethyl benzene	1	ug/L	N	U	0	1
MW-NASB-702	AH01973	NA	EPA 8260B	3/8/2005	1	Ethylbenzene	1	ug/L	N	U	0.15	1
MW-NASB-702	AH01973	NA	EPA 8260B	3/8/2005	1	Ethyl-t-butyl-ether (ETBE)	2	ug/L	N	U	0.14	2
MW-NASB-702	AH01973	NA	SM 3500 Fe D	3/8/2005	1	Ferrous Iron	1400	ug/L	Y		0	25
MW-NASB-702	AH01973	NA	MEDEP 4.2.17	3/8/2005	1	GROAQ	10	ug/L	N	U	2.94	10
MW-NASB-702	AH01973	NA	EPA 8260B	3/8/2005	1	Hexachlorobutadiene	2	ug/L	N	U	0.27	2
MW-NASB-702	AH01973	NA	EPA 8260B	3/8/2005	1	Isopropylbenzene	2	ug/L	N	U	0.13	2
MW-NASB-702	AH01973	NA	EPA 8260B	3/8/2005	1	m,p-Xylene	1	ug/L	N	U	0.25	1

Sample Name	NE Lab ID	ATL Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Detect Flag	Qualifier	MDL	RDL
MW-NASB-702	AH01973	NA	EPA 8260B	3/8/2005	1	Methyl isobutyl ketone	10	ug/L	N	U	0.17	10
MW-NASB-702	AH01973	NA	EPA 8260B	3/8/2005	1	Methylene Chloride	5	ug/L	N	UJ	1.05	5
MW-NASB-702	AH01973	NA	MEDEP 4.2.17	3/8/2005	1	MTBE (Methyl-t-Butyl Ether)	3	ug/L	Y		0	2
MW-NASB-702	AH01973	NA	EPA 8260B	3/8/2005	1	Naphthalene	2	ug/L	N	UJ	0.25	2
MW-NASB-702	AH01973	NA	EPA 8260B	3/8/2005	1	n-Butylbenzene	2	ug/L	N	U	0.37	2
MW-NASB-702	AH01973	NA	EPA 353.2	3/8/2005	1	Nitrate-N	0.44	mg/L	Y		0.025	0.1
MW-NASB-702	AH01973	NA	EPA 8260B	3/8/2005	1	n-Propylbenzene	2	ug/L	N	U	0.15	2
MW-NASB-702	AH01973	NA	EPA 8260B	3/8/2005	1	o-Xylene	1	ug/L	N	U	0.19	1
MW-NASB-702	AH01973	NA	EPA 8260B	3/8/2005	1	sec-Butylbenzene	2	ug/L	N	U	0.14	2
MW-NASB-702	AH01973	NA	EPA 8260B	3/8/2005	1	Styrene	2	ug/L	N	U	0.15	2
MW-NASB-702	AH01973	NA	EPA 9056	3/8/2005	1	Sulfate	4.5	mg/L	Y		310	1
MW-NASB-702	AH01973	NA	EPA 8260B	3/8/2005	1	t-Butyl-Methyl Ether	1	ug/L	N	U	0.32	1
MW-NASB-702	AH01973	NA	EPA 8260B	3/8/2005	1	tert-Butanol (TBA)	20	ug/L	N	R	0	20
MW-NASB-702	AH01973	NA	EPA 8260B	3/8/2005	1	tert-Butylbenzene	2	ug/L	N	U	0.27	2
MW-NASB-702	AH01973	NA	EPA 8260B	3/8/2005	1	Tetrachloroethene	2	ug/L	N	U	0.55	2
MW-NASB-702	AH01973	NA	EPA 8260B	3/8/2005	1	Tetrahydrofuran	5	ug/L	N	R	2.16	5
MW-NASB-702	AH01973	NA	EPA 8260B	3/8/2005	1	Toluene	1	ug/L	N	U	0.15	1
MW-NASB-702	AH01973	NA	MEDEP 4.2.17	3/8/2005	1	Toluene	1	ug/L	N	U	0	1
MW-NASB-702	AH01973	NA	EPA 415.1	3/8/2005	1	Total Organic Carbon	8.4	mg/L	Y		0.343	1
MW-NASB-702	AH01973	NA	MEDEP 4.2.17	3/8/2005	1	Total xylenes	1	ug/L	N	U	0	1
MW-NASB-702	AH01973	NA	EPA 8260B	3/8/2005	1	trans-1,2-Dichloroethene	2	ug/L	N	U	0.25	2
MW-NASB-702	AH01973	NA	EPA 8260B	3/8/2005	1	trans-1,3-Dichloropropene	2	ug/L	N	U	0.64	2
MW-NASB-702	AH01973	NA	EPA 8260B	3/8/2005	1	Trichloroethene	2	ug/L	N	U	0.28	2
MW-NASB-702	AH01973	NA	EPA 8260B	3/8/2005	1	Trichlorofluoromethane	2	ug/L	N	U	0.41	2
MW-NASB-702	AH01973	NA	EPA 8260B	3/8/2005	1	Vinyl Chloride	2	ug/L	N	U	0.43	2
MW-NASB-TB01-03	AH01974	NA	EPA 8260B	3/8/2005	1	1,1,1,2-Tetrachloroethane	2	ug/L	N	U	0.14	2
MW-NASB-TB01-03	AH01974	NA	EPA 8260B	3/8/2005	1	1,1,1-Trichloroethane	2	ug/L	N	U	0.29	2
MW-NASB-TB01-03	AH01974	NA	EPA 8260B	3/8/2005	1	1,1,2,2-Tetrachloroethane	2	ug/L	N	U	0.39	2
MW-NASB-TB01-03	AH01974	NA	EPA 8260B	3/8/2005	1	1,1,2-Trichloroethane	2	ug/L	N	U	0.2	2
MW-NASB-TB01-03	AH01974	NA	EPA 8260B	3/8/2005	1	1,1-Dichloroethane	2	ug/L	N	U	0.28	2
MW-NASB-TB01-03	AH01974	NA	EPA 8260B	3/8/2005	1	1,1-Dichloroethene	2	ug/L	N	U	0.32	2
MW-NASB-TB01-03	AH01974	NA	EPA 8260B	3/8/2005	1	1,1-Dichloropropene	2	ug/L	N	U	0.23	2
MW-NASB-TB01-03	AH01974	NA	EPA 8260B	3/8/2005	1	1,2,3-Trichlorobenzene	2.3	ug/L	Y	U	0.19	2
MW-NASB-TB01-03	AH01974	NA	EPA 8260B	3/8/2005	1	1,2,3-Trichloropropane	2	ug/L	N	U	0.48	2
MW-NASB-TB01-03	AH01974	NA	EPA 8260B	3/8/2005	1	1,2,4-Trichlorobenzene	1.2	ug/L	N	U	0.25	2
MW-NASB-TB01-03	AH01974	NA	EPA 8260B	3/8/2005	1	1,2,4-Trimethylbenzene	2	ug/L	N	U	0.1	2
MW-NASB-TB01-03	AH01974	NA	EPA 8260B	3/8/2005	1	1,2-Dibromo-3-Chloropropane	2	ug/L	N	UJ	1.2	2
MW-NASB-TB01-03	AH01974	NA	EPA 8260B	3/8/2005	1	1,2-Dibromoethane	2	ug/L	N	U	0.46	2
MW-NASB-TB01-03	AH01974	NA	EPA 8260B	3/8/2005	1	1,2-Dichlorobenzene	2	ug/L	N	UJ	0.34	2
MW-NASB-TB01-03	AH01974	NA	EPA 8260B	3/8/2005	1	1,2-Dichloroethane	2	ug/L	N	U	0.46	2
MW-NASB-TB01-03	AH01974	NA	EPA 8260B	3/8/2005	1	1,2-Dichloropropane	2	ug/L	N	U	0.1	2
MW-NASB-TB01-03	AH01974	NA	EPA 8260B	3/8/2005	1	1,3,5-Trimethylbenzene	2	ug/L	N	U	0.15	2
MW-NASB-TB01-03	AH01974	NA	EPA 8260B	3/8/2005	1	1,3-Dichlorobenzene	2	ug/L	N	U	0.17	2
MW-NASB-TB01-03	AH01974	NA	EPA 8260B	3/8/2005	1	1,3-Dichloropropane	2	ug/L	N	U	0.35	2
MW-NASB-TB01-03	AH01974	NA	EPA 8260B	3/8/2005	1	1,4-Dichlorobenzene	2	ug/L	N	U	0.23	2
MW-NASB-TB01-03	AH01974	NA	EPA 8260B	3/8/2005	1	2,2-Dichloropropane	2	ug/L	N	UJ	0.16	2
MW-NASB-TB01-03	AH01974	NA	EPA 8260B	3/8/2005	1	2-Butanone	10	ug/L	N	U	0.42	10

Sample Name	NE Lab ID	ATL Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Detect Flag	Qualifier	MDL	RDL
MW-NASB-TB01-03	AH01974	NA	EPA 8260B	3/8/2005	1	2-Chlorotoluene	2	ug/L	N	U	0.19	2
MW-NASB-TB01-03	AH01974	NA	EPA 8260B	3/8/2005	1	2-Hexanone	10	ug/L	N	R	2.42	10
MW-NASB-TB01-03	AH01974	NA	EPA 8260B	3/8/2005	1	2-Methoxy-2-Methylbutane (TAME)	2	ug/L	N	U	0.46	2
MW-NASB-TB01-03	AH01974	NA	EPA 8260B	3/8/2005	1	4-Chlorotoluene	2	ug/L	N	U	0.13	2
MW-NASB-TB01-03	AH01974	NA	EPA 8260B	3/8/2005	1	4-Isopropyltoluene	2	ug/L	N	U	0.11	2
MW-NASB-TB01-03	AH01974	NA	EPA 8260B	3/8/2005	1	Acetone	10	ug/L	N	UJ	4.14	10
MW-NASB-TB01-03	AH01974	NA	EPA 8260B	3/8/2005	1	Benzene	1	ug/L	N	U	0.26	1
MW-NASB-TB01-03	AH01974	NA	MEDEP 4.2.17	3/8/2005	1	Benzene	1	ug/L	N	U	0	1
MW-NASB-TB01-03	AH01974	NA	EPA 8260B	3/8/2005	1	Bromobenzene	2	ug/L	N	U	0.18	2
MW-NASB-TB01-03	AH01974	NA	EPA 8260B	3/8/2005	1	Bromochloromethane	2	ug/L	N	U	0.62	2
MW-NASB-TB01-03	AH01974	NA	EPA 8260B	3/8/2005	1	Bromodichloromethane	2	ug/L	N	U	0.22	2
MW-NASB-TB01-03	AH01974	NA	EPA 8260B	3/8/2005	1	Bromoform	2	ug/L	N	U	0.37	2
MW-NASB-TB01-03	AH01974	NA	EPA 8260B	3/8/2005	1	Bromomethane	2	ug/L	N	UJ	0.52	2
MW-NASB-TB01-03	AH01974	NA	EPA 8260B	3/8/2005	1	Carbon Disulfide	2	ug/L	N	U	0.27	2
MW-NASB-TB01-03	AH01974	NA	EPA 8260B	3/8/2005	1	Carbon Tetrachloride	2	ug/L	N	U	0.27	2
MW-NASB-TB01-03	AH01974	NA	EPA 8260B	3/8/2005	1	Chlorobenzene	2	ug/L	N	U	0.18	2
MW-NASB-TB01-03	AH01974	NA	EPA 8260B	3/8/2005	1	Chloroethane	2	ug/L	N	U	1.52	2
MW-NASB-TB01-03	AH01974	NA	EPA 8260B	3/8/2005	1	Chloroform	2	ug/L	N	U	0.42	2
MW-NASB-TB01-03	AH01974	NA	EPA 8260B	3/8/2005	1	Chloromethane	2	ug/L	N	U	0.38	2
MW-NASB-TB01-03	AH01974	NA	EPA 8260B	3/8/2005	1	cis-1,2-Dichloroethene	2	ug/L	N	U	0.55	2
MW-NASB-TB01-03	AH01974	NA	EPA 8260B	3/8/2005	1	cis-1,3-Dichloropropene	2	ug/L	N	U	0.13	2
MW-NASB-TB01-03	AH01974	NA	EPA 8260B	3/8/2005	1	Dibromochloromethane	2	ug/L	N	U	0.32	2
MW-NASB-TB01-03	AH01974	NA	EPA 8260B	3/8/2005	1	Dibromomethane	2	ug/L	N	U	0.36	2
MW-NASB-TB01-03	AH01974	NA	EPA 8260B	3/8/2005	1	Dichlorodifluoromethane	2	ug/L	N	U	0.51	2
MW-NASB-TB01-03	AH01974	NA	EPA 8260B	3/8/2005	1	Diethyl Ether	2	ug/L	N	U	4.23	2
MW-NASB-TB01-03	AH01974	NA	EPA 8260B	3/8/2005	1	Diisopropyl ether (DIPE)	2	ug/L	N	U	0.14	2
MW-NASB-TB01-03	AH01974	NA	MEDEP 4.2.17	3/8/2005	1	Ethyl benzene	1	ug/L	N	U	0	1
MW-NASB-TB01-03	AH01974	NA	EPA 8260B	3/8/2005	1	Ethylbenzene	1	ug/L	N	U	0.15	1
MW-NASB-TB01-03	AH01974	NA	EPA 8260B	3/8/2005	1	Ethyl-t-butyl-ether (ETBE)	2	ug/L	N	U	0.14	2
MW-NASB-TB01-03	AH01974	NA	MEDEP 4.2.17	3/8/2005	1	GROAQ	10	ug/L	N	U	2.94	10
MW-NASB-TB01-03	AH01974	NA	EPA 8260B	3/8/2005	1	Hexachlorobutadiene	3	ug/L	Y	U	0.27	2
MW-NASB-TB01-03	AH01974	NA	EPA 8260B	3/8/2005	1	Isopropylbenzene	2	ug/L	N	U	0.13	2
MW-NASB-TB01-03	AH01974	NA	EPA 8260B	3/8/2005	1	m,p-Xylene	1	ug/L	N	UJ	0.25	1
MW-NASB-TB01-03	AH01974	NA	EPA 8260B	3/8/2005	1	Methyl isobutyl ketone	10	ug/L	N	U	0.17	10
MW-NASB-TB01-03	AH01974	NA	EPA 8260B	3/8/2005	1	Methylene Chloride	5	ug/L	N	UJ	1.05	5
MW-NASB-TB01-03	AH01974	NA	MEDEP 4.2.17	3/8/2005	1	MTBE (Methyl-t-Butyl Ether)	2	ug/L	N	U	0	2
MW-NASB-TB01-03	AH01974	NA	EPA 8260B	3/8/2005	1	Naphthalene	1.6	ug/L	Y	U	0.25	2
MW-NASB-TB01-03	AH01974	NA	EPA 8260B	3/8/2005	1	n-Butylbenzene	2	ug/L	N	U	0.37	2
MW-NASB-TB01-03	AH01974	NA	EPA 8260B	3/8/2005	1	n-Propylbenzene	2	ug/L	N	U	0.15	2
MW-NASB-TB01-03	AH01974	NA	EPA 8260B	3/8/2005	1	o-Xylene	1	ug/L	N	UJ	0.19	1
MW-NASB-TB01-03	AH01974	NA	EPA 8260B	3/8/2005	1	sec-Butylbenzene	2	ug/L	N	U	0.14	2
MW-NASB-TB01-03	AH01974	NA	EPA 8260B	3/8/2005	1	Styrene	2	ug/L	N	U	0.15	2
MW-NASB-TB01-03	AH01974	NA	EPA 8260B	3/8/2005	1	t-Butyl-Methyl Ether	1	ug/L	N	UJ	0.32	1
MW-NASB-TB01-03	AH01974	NA	EPA 8260B	3/8/2005	1	tert-Butanol (TBA)	20	ug/L	N	R	0	20
MW-NASB-TB01-03	AH01974	NA	EPA 8260B	3/8/2005	1	tert-Butylbenzene	2	ug/L	N	U	0.27	2
MW-NASB-TB01-03	AH01974	NA	EPA 8260B	3/8/2005	1	Tetrachloroethene	2	ug/L	N	U	0.55	2
MW-NASB-TB01-03	AH01974	NA	EPA 8260B	3/8/2005	1	Tetrahydrofuran	5	ug/L	N	R	2.16	5

Sample Name	NE Lab ID	ATL Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Detect Flag	Qualifier	MDL	RDL
MW-NASB-TB01-03	AH01974	NA	MEDEP 4.2.17	3/8/2005	1	Toluene	1	ug/L	N	U	0	1
MW-NASB-TB01-03	AH01974	NA	EPA 8260B	3/8/2005	1	Toluene	1	ug/L	N	U	0.15	1
MW-NASB-TB01-03	AH01974	NA	MEDEP 4.2.17	3/8/2005	1	Total xylenes	1	ug/L	N	U	0	1
MW-NASB-TB01-03	AH01974	NA	EPA 8260B	3/8/2005	1	trans-1,2-Dichloroethene	2	ug/L	N	U	0.25	2
MW-NASB-TB01-03	AH01974	NA	EPA 8260B	3/8/2005	1	trans-1,3-Dichloropropene	2	ug/L	N	UJ	0.64	2
MW-NASB-TB01-03	AH01974	NA	EPA 8260B	3/8/2005	1	Trichloroethene	2	ug/L	N	U	0.28	2
MW-NASB-TB01-03	AH01974	NA	EPA 8260B	3/8/2005	1	Trichlorofluoromethane	2	ug/L	N	U	0.41	2
MW-NASB-TB01-03	AH01974	NA	EPA 8260B	3/8/2005	1	Vinyl Chloride	2	ug/L	N	U	0.43	2
MW-NASB-703	AH02009	NA	EPA 8260B	3/9/2005	1	1,1,1,2-Tetrachloroethane	2	ug/L	N	U	0.14	2
MW-NASB-703	AH02009	NA	EPA 8260B	3/9/2005	1	1,1,1-Trichloroethane	2	ug/L	N	U	0.29	2
MW-NASB-703	AH02009	NA	EPA 8260B	3/9/2005	1	1,1,2,2-Tetrachloroethane	2	ug/L	N	U	0.39	2
MW-NASB-703	AH02009	NA	EPA 8260B	3/9/2005	1	1,1,2-Trichloroethane	2	ug/L	N	U	0.2	2
MW-NASB-703	AH02009	NA	EPA 8260B	3/9/2005	1	1,1-Dichloroethane	2	ug/L	N	U	0.28	2
MW-NASB-703	AH02009	NA	EPA 8260B	3/9/2005	1	1,1-Dichloroethene	2	ug/L	N	U	0.32	2
MW-NASB-703	AH02009	NA	EPA 8260B	3/9/2005	1	1,1-Dichloropropene	2	ug/L	N	U	0.23	2
MW-NASB-703	AH02009	NA	EPA 8260B	3/9/2005	1	1,2,3-Trichlorobenzene	2	ug/L	N	U	0.19	2
MW-NASB-703	AH02009	NA	EPA 8260B	3/9/2005	1	1,2,3-Trichloropropane	2	ug/L	N	U	0.48	2
MW-NASB-703	AH02009	NA	EPA 8260B	3/9/2005	1	1,2,4-Trichlorobenzene	2	ug/L	N	U	0.25	2
MW-NASB-703	AH02009	NA	EPA 8260B	3/9/2005	1	1,2,4-Trimethylbenzene	2	ug/L	N	U	0.1	2
MW-NASB-703	AH02009	NA	EPA 8260B	3/9/2005	1	1,2-Dibromo-3-Chloropropane	2	ug/L	N	UJ	1.2	2
MW-NASB-703	AH02009	NA	EPA 8260B	3/9/2005	1	1,2-Dibromoethane	2	ug/L	N	U	0.46	2
MW-NASB-703	AH02009	NA	EPA 8260B	3/9/2005	1	1,2-Dichlorobenzene	2	ug/L	N	UJ	0.34	2
MW-NASB-703	AH02009	NA	EPA 8260B	3/9/2005	1	1,2-Dichloroethane	2	ug/L	N	U	0.46	2
MW-NASB-703	AH02009	NA	EPA 8260B	3/9/2005	1	1,2-Dichloropropane	2	ug/L	N	U	0.1	2
MW-NASB-703	AH02009	NA	EPA 8260B	3/9/2005	1	1,3,5-Trimethylbenzene	2	ug/L	N	U	0.15	2
MW-NASB-703	AH02009	NA	EPA 8260B	3/9/2005	1	1,3-Dichlorobenzene	2	ug/L	N	U	0.17	2
MW-NASB-703	AH02009	NA	EPA 8260B	3/9/2005	1	1,3-Dichloropropane	2	ug/L	N	U	0.35	2
MW-NASB-703	AH02009	NA	EPA 8260B	3/9/2005	1	1,4-Dichlorobenzene	2	ug/L	N	U	0.23	2
MW-NASB-703	AH02009	NA	EPA 8260B	3/9/2005	1	2,2-Dichloropropane	2	ug/L	N	U	0.16	2
MW-NASB-703	AH02009	NA	EPA 8260B	3/9/2005	1	2-Butanone	10	ug/L	N	U	0.42	10
MW-NASB-703	AH02009	NA	EPA 8260B	3/9/2005	1	2-Chlorotoluene	2	ug/L	N	U	0.19	2
MW-NASB-703	AH02009	NA	EPA 8260B	3/9/2005	1	2-Hexanone	10	ug/L	N	R	2.42	10
MW-NASB-703	AH02009	NA	EPA 8260B	3/9/2005	1	2-Methoxy-2-Methylbutane (TAME)	2	ug/L	N	U	0.46	2
MW-NASB-703	AH02009	NA	EPA 8260B	3/9/2005	1	4-Chlorotoluene	2	ug/L	N	U	0.13	2
MW-NASB-703	AH02009	NA	EPA 8260B	3/9/2005	1	4-Isopropyltoluene	2	ug/L	N	U	0.11	2
MW-NASB-703	AH02009	NA	EPA 8260B	3/9/2005	1	Acetone	10	ug/L	N	UJ	4.14	10
MW-NASB-703	AH02009	NA	EPA 310.1	3/9/2005	1	Alkalinity, Titrimetic	13	mg/L	Y		0.35	1
MW-NASB-703	AH02009	NA	EPA 8260B	3/9/2005	1	Benzene	1	ug/L	N	U	0.26	1
MW-NASB-703	AH02009	NA	MEDEP 4.2.17	3/9/2005	1	Benzene	1	ug/L	N	U	0	1
MW-NASB-703	AH02009	NA	EPA 8260B	3/9/2005	1	Bromobenzene	2	ug/L	N	U	0.18	2
MW-NASB-703	AH02009	NA	EPA 8260B	3/9/2005	1	Bromochloromethane	2	ug/L	N	U	0.62	2
MW-NASB-703	AH02009	NA	EPA 8260B	3/9/2005	1	Bromodichloromethane	2	ug/L	N	U	0.22	2
MW-NASB-703	AH02009	NA	EPA 8260B	3/9/2005	1	Bromoform	2	ug/L	N	U	0.37	2
MW-NASB-703	AH02009	NA	EPA 8260B	3/9/2005	1	Bromomethane	2	ug/L	N	UJ	0.52	2
MW-NASB-703	AH02009	NA	EPA 8260B	3/9/2005	1	Carbon Disulfide	2	ug/L	N	U	0.27	2
MW-NASB-703	AH02009	NA	EPA 8260B	3/9/2005	1	Carbon Tetrachloride	2	ug/L	N	U	0.27	2
MW-NASB-703	AH02009	NA	EPA 8260B	3/9/2005	1	Chlorobenzene	2	ug/L	N	U	0.18	2

Sample Name	NE Lab ID	ATL Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Detect Flag	Qualifier	MDL	RDL
MW-NASB-703	AH02009	NA	EPA 8260B	3/9/2005	1	Chloroethane	2	ug/L	N	U	1.52	2
MW-NASB-703	AH02009	NA	EPA 8260B	3/9/2005	1	Chloroform	2	ug/L	N	U	0.42	2
MW-NASB-703	AH02009	NA	EPA 8260B	3/9/2005	1	Chloromethane	2	ug/L	N	U	0.38	2
MW-NASB-703	AH02009	NA	EPA 8260B	3/9/2005	1	cis-1,2-Dichloroethene	2	ug/L	N	U	0.55	2
MW-NASB-703	AH02009	NA	EPA 8260B	3/9/2005	1	cis-1,3-Dichloropropene	2	ug/L	N	U	0.13	2
MW-NASB-703	AH02009	NA	EPA 8260B	3/9/2005	1	Dibromochloromethane	2	ug/L	N	U	0.32	2
MW-NASB-703	AH02009	NA	EPA 8260B	3/9/2005	1	Dibromomethane	2	ug/L	N	U	0.36	2
MW-NASB-703	AH02009	NA	EPA 8260B	3/9/2005	1	Dichlorodifluoromethane	2	ug/L	N	U	0.51	2
MW-NASB-703	AH02009	NA	MEDEP 4.1.25	3/9/2005	1	Diesel Range Organics	50	ug/L	N	U	4.2	50
MW-NASB-703	AH02009	NA	EPA 8260B	3/9/2005	1	Diethyl Ether	2	ug/L	N	U	4.23	2
MW-NASB-703	AH02009	NA	EPA 8260B	3/9/2005	1	Diisopropyl ether (DIPE)	2	ug/L	N	U	0.14	2
MW-NASB-703	AH02009	NA	MEDEP 4.2.17	3/9/2005	1	Ethyl benzene	1	ug/L	N	U	0	1
MW-NASB-703	AH02009	NA	EPA 8260B	3/9/2005	1	Ethylbenzene	1	ug/L	N	U	0.15	1
MW-NASB-703	AH02009	NA	EPA 8260B	3/9/2005	1	Ethyl-t-butyl-ether (ETBE)	2	ug/L	N	U	0.14	2
MW-NASB-703	AH02009	NA	SM 3500 Fe D	3/9/2005	1	Ferrous Iron	220	ug/L	Y		0	25
MW-NASB-703	AH02009	NA	MEDEP 4.2.17	3/9/2005	1	GROAQ	10	ug/L	N	U	2.94	10
MW-NASB-703	AH02009	NA	EPA 8260B	3/9/2005	1	Hexachlorobutadiene	2	ug/L	N	U	0.27	2
MW-NASB-703	AH02009	NA	EPA 8260B	3/9/2005	1	Isopropylbenzene	2	ug/L	N	U	0.13	2
MW-NASB-703	AH02009	NA	EPA 8260B	3/9/2005	1	m,p-Xylene	1	ug/L	N	U	0.25	1
MW-NASB-703	AH02009	NA	EPA 8260B	3/9/2005	1	Methyl isobutyl ketone	10	ug/L	N	U	0.17	10
MW-NASB-703	AH02009	NA	EPA 8260B	3/9/2005	1	Methylene Chloride	5	ug/L	N	UJ	1.05	5
MW-NASB-703	AH02009	NA	MEDEP 4.2.17	3/9/2005	1	MTBE (Methyl-t-Butyl Ether)	2	ug/L	N	U	0	2
MW-NASB-703	AH02009	NA	EPA 8260B	3/9/2005	1	Naphthalene	2	ug/L	N	UJ	0.25	2
MW-NASB-703	AH02009	NA	EPA 8260B	3/9/2005	1	n-Butylbenzene	2	ug/L	N	U	0.37	2
MW-NASB-703	AH02009	NA	EPA 353.2	3/9/2005	1	Nitrate-N	0.8	mg/L	Y		0.025	0.1
MW-NASB-703	AH02009	NA	EPA 8260B	3/9/2005	1	n-Propylbenzene	2	ug/L	N	U	0.15	2
MW-NASB-703	AH02009	NA	EPA 8260B	3/9/2005	1	o-Xylene	1	ug/L	N	U	0.19	1
MW-NASB-703	AH02009	NA	EPA 8260B	3/9/2005	1	sec-Butylbenzene	2	ug/L	N	U	0.14	2
MW-NASB-703	AH02009	NA	EPA 8260B	3/9/2005	1	Styrene	2	ug/L	N	U	0.15	2
MW-NASB-703	AH02009	NA	EPA 9056	3/9/2005	1	Sulfate	18	mg/L	Y		310	1
MW-NASB-703	AH02009	NA	EPA 8260B	3/9/2005	1	t-Butyl-Methyl Ether	1	ug/L	N	U	0.32	1
MW-NASB-703	AH02009	NA	EPA 8260B	3/9/2005	1	tert-Butanol (TBA)	20	ug/L	N	R	0	20
MW-NASB-703	AH02009	NA	EPA 8260B	3/9/2005	1	tert-Butylbenzene	2	ug/L	N	U	0.27	2
MW-NASB-703	AH02009	NA	EPA 8260B	3/9/2005	1	Tetrachloroethene	2	ug/L	N	U	0.55	2
MW-NASB-703	AH02009	NA	EPA 8260B	3/9/2005	1	Tetrahydrofuran	5	ug/L	N	R	2.16	5
MW-NASB-703	AH02009	NA	EPA 8260B	3/9/2005	1	Toluene	1	ug/L	N	U	0.15	1
MW-NASB-703	AH02009	NA	MEDEP 4.2.17	3/9/2005	1	Toluene	1	ug/L	N	U	0	1
MW-NASB-703	AH02009	NA	EPA 415.1	3/9/2005	1	Total Organic Carbon	2.6	mg/L	Y		0.343	1
MW-NASB-703	AH02009	NA	MEDEP 4.2.17	3/9/2005	1	Total xylenes	1	ug/L	N	U	0	1
MW-NASB-703	AH02009	NA	EPA 8260B	3/9/2005	1	trans-1,2-Dichloroethene	2	ug/L	N	U	0.25	2
MW-NASB-703	AH02009	NA	EPA 8260B	3/9/2005	1	trans-1,3-Dichloropropene	2	ug/L	N	U	0.64	2
MW-NASB-703	AH02009	NA	EPA 8260B	3/9/2005	1	Trichloroethene	2	ug/L	N	U	0.28	2
MW-NASB-703	AH02009	NA	EPA 8260B	3/9/2005	1	Trichlorofluoromethane	2	ug/L	N	U	0.41	2
MW-NASB-703	AH02009	NA	EPA 8260B	3/9/2005	1	Vinyl Chloride	2	ug/L	N	U	0.43	2
MW-NASB-TB04-06	AH02010	NA	EPA 8260B	3/9/2005	1	1,1,1,2-Tetrachloroethane	2	ug/L	N	U	0.14	2
MW-NASB-TB04-06	AH02010	NA	EPA 8260B	3/9/2005	1	1,1,1-Trichloroethane	2	ug/L	N	U	0.29	2
MW-NASB-TB04-06	AH02010	NA	EPA 8260B	3/9/2005	1	1,1,2,2-Tetrachloroethane	2	ug/L	N	U	0.39	2

Sample Name	NE Lab ID	ATL Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Detect Flag	Qualifier	MDL	RDL
MW-NASB-TB04-06	AH02010	NA	EPA 8260B	3/9/2005	1	1,1,2-Trichloroethane	2	ug/L	N	U	0.2	2
MW-NASB-TB04-06	AH02010	NA	EPA 8260B	3/9/2005	1	1,1-Dichloroethane	2	ug/L	N	U	0.28	2
MW-NASB-TB04-06	AH02010	NA	EPA 8260B	3/9/2005	1	1,1-Dichloroethene	2	ug/L	N	U	0.32	2
MW-NASB-TB04-06	AH02010	NA	EPA 8260B	3/9/2005	1	1,1-Dichloropropene	2	ug/L	N	U	0.23	2
MW-NASB-TB04-06	AH02010	NA	EPA 8260B	3/9/2005	1	1,2,3-Trichlorobenzene	2	ug/L	N	U	0.19	2
MW-NASB-TB04-06	AH02010	NA	EPA 8260B	3/9/2005	1	1,2,3-Trichloropropane	2	ug/L	N	U	0.48	2
MW-NASB-TB04-06	AH02010	NA	EPA 8260B	3/9/2005	1	1,2,4-Trichlorobenzene	2	ug/L	N	UJ	0.25	2
MW-NASB-TB04-06	AH02010	NA	EPA 8260B	3/9/2005	1	1,2,4-Trimethylbenzene	2	ug/L	N	U	0.1	2
MW-NASB-TB04-06	AH02010	NA	EPA 8260B	3/9/2005	1	1,2-Dibromo-3-Chloropropane	2	ug/L	N	UJ	1.2	2
MW-NASB-TB04-06	AH02010	NA	EPA 8260B	3/9/2005	1	1,2-Dibromoethane	2	ug/L	N	U	0.46	2
MW-NASB-TB04-06	AH02010	NA	EPA 8260B	3/9/2005	1	1,2-Dichlorobenzene	2	ug/L	N	UJ	0.34	2
MW-NASB-TB04-06	AH02010	NA	EPA 8260B	3/9/2005	1	1,2-Dichloroethane	2	ug/L	N	U	0.46	2
MW-NASB-TB04-06	AH02010	NA	EPA 8260B	3/9/2005	1	1,2-Dichloropropane	2	ug/L	N	U	0.1	2
MW-NASB-TB04-06	AH02010	NA	EPA 8260B	3/9/2005	1	1,3,5-Trimethylbenzene	2	ug/L	N	U	0.15	2
MW-NASB-TB04-06	AH02010	NA	EPA 8260B	3/9/2005	1	1,3-Dichlorobenzene	2	ug/L	N	U	0.17	2
MW-NASB-TB04-06	AH02010	NA	EPA 8260B	3/9/2005	1	1,3-Dichloropropane	2	ug/L	N	U	0.35	2
MW-NASB-TB04-06	AH02010	NA	EPA 8260B	3/9/2005	1	1,4-Dichlorobenzene	2	ug/L	N	U	0.23	2
MW-NASB-TB04-06	AH02010	NA	EPA 8260B	3/9/2005	1	2,2-Dichloropropane	2	ug/L	N	UJ	0.16	2
MW-NASB-TB04-06	AH02010	NA	EPA 8260B	3/9/2005	1	2-Butanone	10	ug/L	N	U	0.42	10
MW-NASB-TB04-06	AH02010	NA	EPA 8260B	3/9/2005	1	2-Chlorotoluene	2	ug/L	N	U	0.19	2
MW-NASB-TB04-06	AH02010	NA	EPA 8260B	3/9/2005	1	2-Hexanone	10	ug/L	N	R	2.42	10
MW-NASB-TB04-06	AH02010	NA	EPA 8260B	3/9/2005	1	2-Methoxy-2-Methylbutane (TAME)	2	ug/L	N	U	0.46	2
MW-NASB-TB04-06	AH02010	NA	EPA 8260B	3/9/2005	1	4-Chlorotoluene	2	ug/L	N	U	0.13	2
MW-NASB-TB04-06	AH02010	NA	EPA 8260B	3/9/2005	1	4-Isopropyltoluene	2	ug/L	N	U	0.11	2
MW-NASB-TB04-06	AH02010	NA	EPA 8260B	3/9/2005	1	Acetone	10	ug/L	N	UJ	4.14	10
MW-NASB-TB04-06	AH02010	NA	EPA 8260B	3/9/2005	1	Benzene	1	ug/L	N	U	0.26	1
MW-NASB-TB04-06	AH02010	NA	MEDEP 4.2.17	3/9/2005	1	Benzene	1	ug/L	N	U	0	1
MW-NASB-TB04-06	AH02010	NA	EPA 8260B	3/9/2005	1	Bromobenzene	2	ug/L	N	U	0.18	2
MW-NASB-TB04-06	AH02010	NA	EPA 8260B	3/9/2005	1	Bromochloromethane	2	ug/L	N	U	0.62	2
MW-NASB-TB04-06	AH02010	NA	EPA 8260B	3/9/2005	1	Bromodichloromethane	2	ug/L	N	U	0.22	2
MW-NASB-TB04-06	AH02010	NA	EPA 8260B	3/9/2005	1	Bromoform	2	ug/L	N	U	0.37	2
MW-NASB-TB04-06	AH02010	NA	EPA 8260B	3/9/2005	1	Bromomethane	2	ug/L	N	UJ	0.52	2
MW-NASB-TB04-06	AH02010	NA	EPA 8260B	3/9/2005	1	Carbon Disulfide	2	ug/L	N	U	0.27	2
MW-NASB-TB04-06	AH02010	NA	EPA 8260B	3/9/2005	1	Carbon Tetrachloride	2	ug/L	N	U	0.27	2
MW-NASB-TB04-06	AH02010	NA	EPA 8260B	3/9/2005	1	Chlorobenzene	2	ug/L	N	U	0.18	2
MW-NASB-TB04-06	AH02010	NA	EPA 8260B	3/9/2005	1	Chloroethane	2	ug/L	N	U	1.52	2
MW-NASB-TB04-06	AH02010	NA	EPA 8260B	3/9/2005	1	Chloroform	2	ug/L	N	U	0.42	2
MW-NASB-TB04-06	AH02010	NA	EPA 8260B	3/9/2005	1	Chloromethane	2	ug/L	N	U	0.38	2
MW-NASB-TB04-06	AH02010	NA	EPA 8260B	3/9/2005	1	cis-1,2-Dichloroethene	2	ug/L	N	U	0.55	2
MW-NASB-TB04-06	AH02010	NA	EPA 8260B	3/9/2005	1	cis-1,3-Dichloropropene	2	ug/L	N	U	0.13	2
MW-NASB-TB04-06	AH02010	NA	EPA 8260B	3/9/2005	1	Dibromochloromethane	2	ug/L	N	U	0.32	2
MW-NASB-TB04-06	AH02010	NA	EPA 8260B	3/9/2005	1	Dibromomethane	2	ug/L	N	U	0.36	2
MW-NASB-TB04-06	AH02010	NA	EPA 8260B	3/9/2005	1	Dichlorodifluoromethane	2	ug/L	N	U	0.51	2
MW-NASB-TB04-06	AH02010	NA	EPA 8260B	3/9/2005	1	Diethyl Ether	2	ug/L	N	U	4.23	2
MW-NASB-TB04-06	AH02010	NA	EPA 8260B	3/9/2005	1	Diisopropyl ether (DIPE)	2	ug/L	N	U	0.14	2
MW-NASB-TB04-06	AH02010	NA	MEDEP 4.2.17	3/9/2005	1	Ethyl benzene	1	ug/L	N	U	0	1
MW-NASB-TB04-06	AH02010	NA	EPA 8260B	3/9/2005	1	Ethylbenzene	1	ug/L	N	U	0.15	1

Sample Name	NE Lab ID	ATL Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Detect Flag	Qualifier	MDL	RDL
MW-NASB-TB04-06	AH02010	NA	EPA 8260B	3/9/2005	1	Ethyl-t-butyl-ether (ETBE)	2	ug/L	N	U	0.14	2
MW-NASB-TB04-06	AH02010	NA	MEDEP 4.2.17	3/9/2005	1	GROAQ	10	ug/L	N	U	2.94	10
MW-NASB-TB04-06	AH02010	NA	EPA 8260B	3/9/2005	1	Hexachlorobutadiene	2	ug/L	N	U	0.27	2
MW-NASB-TB04-06	AH02010	NA	EPA 8260B	3/9/2005	1	Isopropylbenzene	2	ug/L	N	U	0.13	2
MW-NASB-TB04-06	AH02010	NA	EPA 8260B	3/9/2005	1	m,p-Xylene	1	ug/L	N	UJ	0.25	1
MW-NASB-TB04-06	AH02010	NA	EPA 8260B	3/9/2005	1	Methyl isobutyl ketone	10	ug/L	N	U	0.17	10
MW-NASB-TB04-06	AH02010	NA	EPA 8260B	3/9/2005	1	Methylene Chloride	5	ug/L	N	UJ	1.05	5
MW-NASB-TB04-06	AH02010	NA	MEDEP 4.2.17	3/9/2005	1	MTBE (Methyl-t-Butyl Ether)	2	ug/L	N	U	0	2
MW-NASB-TB04-06	AH02010	NA	EPA 8260B	3/9/2005	1	Naphthalene	2	ug/L	N	UJ	0.25	2
MW-NASB-TB04-06	AH02010	NA	EPA 8260B	3/9/2005	1	n-Butylbenzene	2	ug/L	N	U	0.37	2
MW-NASB-TB04-06	AH02010	NA	EPA 8260B	3/9/2005	1	n-Propylbenzene	2	ug/L	N	U	0.15	2
MW-NASB-TB04-06	AH02010	NA	EPA 8260B	3/9/2005	1	o-Xylene	1	ug/L	N	UJ	0.19	1
MW-NASB-TB04-06	AH02010	NA	EPA 8260B	3/9/2005	1	sec-Butylbenzene	2	ug/L	N	U	0.14	2
MW-NASB-TB04-06	AH02010	NA	EPA 8260B	3/9/2005	1	Styrene	2	ug/L	N	U	0.15	2
MW-NASB-TB04-06	AH02010	NA	EPA 8260B	3/9/2005	1	t-Butyl-Methyl Ether	1	ug/L	N	UJ	0.32	1
MW-NASB-TB04-06	AH02010	NA	EPA 8260B	3/9/2005	1	tert-Butanol (TBA)	20	ug/L	N	R	0	20
MW-NASB-TB04-06	AH02010	NA	EPA 8260B	3/9/2005	1	tert-Butylbenzene	2	ug/L	N	U	0.27	2
MW-NASB-TB04-06	AH02010	NA	EPA 8260B	3/9/2005	1	Tetrachloroethene	2	ug/L	N	U	0.55	2
MW-NASB-TB04-06	AH02010	NA	EPA 8260B	3/9/2005	1	Tetrahydrofuran	5	ug/L	N	R	2.16	5
MW-NASB-TB04-06	AH02010	NA	MEDEP 4.2.17	3/9/2005	1	Toluene	1	ug/L	N	U	0	1
MW-NASB-TB04-06	AH02010	NA	EPA 8260B	3/9/2005	1	Toluene	1	ug/L	N	U	0.15	1
MW-NASB-TB04-06	AH02010	NA	MEDEP 4.2.17	3/9/2005	1	Total xylenes	1	ug/L	Y		0	1
MW-NASB-TB04-06	AH02010	NA	EPA 8260B	3/9/2005	1	trans-1,2-Dichloroethene	2	ug/L	N	U	0.25	2
MW-NASB-TB04-06	AH02010	NA	EPA 8260B	3/9/2005	1	trans-1,3-Dichloropropene	2	ug/L	N	UJ	0.64	2
MW-NASB-TB04-06	AH02010	NA	EPA 8260B	3/9/2005	1	Trichloroethene	2	ug/L	N	U	0.28	2
MW-NASB-TB04-06	AH02010	NA	EPA 8260B	3/9/2005	1	Trichlorofluoromethane	2	ug/L	N	U	0.41	2
MW-NASB-TB04-06	AH02010	NA	EPA 8260B	3/9/2005	1	Vinyl Chloride	2	ug/L	N	U	0.43	2
MW-NASB-062	AH02047	NA	EPA 8260B	3/10/2005	1	1,1,1,2-Tetrachloroethane	2	ug/L	N	U	0.14	2
MW-NASB-062	AH02047	NA	EPA 8260B	3/10/2005	1	1,1,1-Trichloroethane	2	ug/L	N	U	0.29	2
MW-NASB-062	AH02047	NA	EPA 8260B	3/10/2005	1	1,1,2,2-Tetrachloroethane	2	ug/L	N	U	0.39	2
MW-NASB-062	AH02047	NA	EPA 8260B	3/10/2005	1	1,1,2-Trichloroethane	2	ug/L	N	U	0.2	2
MW-NASB-062	AH02047	NA	EPA 8260B	3/10/2005	1	1,1-Dichloroethane	2	ug/L	N	U	0.28	2
MW-NASB-062	AH02047	NA	EPA 8260B	3/10/2005	1	1,1-Dichloroethene	2	ug/L	N	U	0.32	2
MW-NASB-062	AH02047	NA	EPA 8260B	3/10/2005	1	1,1-Dichloropropene	2	ug/L	N	U	0.23	2
MW-NASB-062	AH02047	NA	EPA 8260B	3/10/2005	1	1,2,3-Trichlorobenzene	2	ug/L	N	U	0.19	2
MW-NASB-062	AH02047	NA	EPA 8260B	3/10/2005	1	1,2,3-Trichloropropane	2	ug/L	N	U	0.48	2
MW-NASB-062	AH02047	NA	EPA 8260B	3/10/2005	1	1,2,4-Trichlorobenzene	2	ug/L	N	UJ	0.25	2
MW-NASB-062	AH02047	NA	EPA 8260B	3/10/2005	1	1,2,4-Trimethylbenzene	2	ug/L	N	U	0.1	2
MW-NASB-062	AH02047	NA	EPA 8260B	3/10/2005	1	1,2-Dibromo-3-Chloropropane	2	ug/L	N	UJ	1.2	2
MW-NASB-062	AH02047	NA	EPA 8260B	3/10/2005	1	1,2-Dibromoethane	2	ug/L	N	U	0.46	2
MW-NASB-062	AH02047	NA	EPA 8260B	3/10/2005	1	1,2-Dichlorobenzene	2	ug/L	N	UJ	0.34	2
MW-NASB-062	AH02047	NA	EPA 8260B	3/10/2005	1	1,2-Dichloroethane	2	ug/L	N	U	0.46	2
MW-NASB-062	AH02047	NA	EPA 8260B	3/10/2005	1	1,2-Dichloropropane	2	ug/L	N	U	0.1	2
MW-NASB-062	AH02047	NA	EPA 8260B	3/10/2005	1	1,3,5-Trimethylbenzene	2	ug/L	N	U	0.15	2
MW-NASB-062	AH02047	NA	EPA 8260B	3/10/2005	1	1,3-Dichlorobenzene	2	ug/L	N	U	0.17	2
MW-NASB-062	AH02047	NA	EPA 8260B	3/10/2005	1	1,3-Dichloropropane	2	ug/L	N	U	0.35	2
MW-NASB-062	AH02047	NA	EPA 8260B	3/10/2005	1	1,4-Dichlorobenzene	2	ug/L	N	U	0.23	2

Sample Name	NE Lab ID	ATL Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Detect Flag	Qualifier	MDL	RDL
MW-NASB-062	AH02047	NA	EPA 8260B	3/10/2005	1	2,2-Dichloropropane	2	ug/L	N	UJ	0.16	2
MW-NASB-062	AH02047	NA	EPA 8260B	3/10/2005	1	2-Butanone	10	ug/L	N	U	0.42	10
MW-NASB-062	AH02047	NA	EPA 8260B	3/10/2005	1	2-Chlorotoluene	2	ug/L	N	U	0.19	2
MW-NASB-062	AH02047	NA	EPA 8260B	3/10/2005	1	2-Hexanone	10	ug/L	N	R	2.42	10
MW-NASB-062	AH02047	NA	EPA 8260B	3/10/2005	1	2-Methoxy-2-Methylbutane (TAME)	2	ug/L	N	U	0.46	2
MW-NASB-062	AH02047	NA	EPA 8260B	3/10/2005	1	4-Chlorotoluene	2	ug/L	N	U	0.13	2
MW-NASB-062	AH02047	NA	EPA 8260B	3/10/2005	1	4-Isopropyltoluene	2	ug/L	N	U	0.11	2
MW-NASB-062	AH02047	NA	EPA 8260B	3/10/2005	1	Acetone	10	ug/L	N	UJ	4.14	10
MW-NASB-062	AH02047	NA	EPA 310.1	3/10/2005	1	Alkalinity, Titrimetic	8.8	mg/L	Y		0.35	1
MW-NASB-062	AH02047	NA	EPA 8260B	3/10/2005	1	Benzene	1	ug/L	N	U	0.26	1
MW-NASB-062	AH02047	NA	EPA 8260B	3/10/2005	1	Bromobenzene	2	ug/L	N	U	0.18	2
MW-NASB-062	AH02047	NA	EPA 8260B	3/10/2005	1	Bromochloromethane	2	ug/L	N	U	0.62	2
MW-NASB-062	AH02047	NA	EPA 8260B	3/10/2005	1	Bromodichloromethane	2	ug/L	N	U	0.22	2
MW-NASB-062	AH02047	NA	EPA 8260B	3/10/2005	1	Bromoform	2	ug/L	N	U	0.37	2
MW-NASB-062	AH02047	NA	EPA 8260B	3/10/2005	1	Bromomethane	2	ug/L	N	UJ	0.52	2
MW-NASB-062	AH02047	NA	EPA 8260B	3/10/2005	1	Carbon Disulfide	2	ug/L	N	U	0.27	2
MW-NASB-062	AH02047	NA	EPA 8260B	3/10/2005	1	Carbon Tetrachloride	2	ug/L	N	U	0.27	2
MW-NASB-062	AH02047	NA	EPA 8260B	3/10/2005	1	Chlorobenzene	2	ug/L	N	U	0.18	2
MW-NASB-062	AH02047	NA	EPA 8260B	3/10/2005	1	Chloroethane	2	ug/L	N	U	1.52	2
MW-NASB-062	AH02047	NA	EPA 8260B	3/10/2005	1	Chloroform	2	ug/L	N	U	0.42	2
MW-NASB-062	AH02047	NA	EPA 8260B	3/10/2005	1	Chloromethane	2	ug/L	N	U	0.38	2
MW-NASB-062	AH02047	NA	EPA 8260B	3/10/2005	1	cis-1,2-Dichloroethene	2	ug/L	N	U	0.55	2
MW-NASB-062	AH02047	NA	EPA 8260B	3/10/2005	1	cis-1,3-Dichloropropene	2	ug/L	N	U	0.13	2
MW-NASB-062	AH02047	NA	EPA 8260B	3/10/2005	1	Dibromochloromethane	2	ug/L	N	U	0.32	2
MW-NASB-062	AH02047	NA	EPA 8260B	3/10/2005	1	Dibromomethane	2	ug/L	N	U	0.36	2
MW-NASB-062	AH02047	NA	EPA 8260B	3/10/2005	1	Dichlorodifluoromethane	2	ug/L	N	U	0.51	2
MW-NASB-062	AH02047	NA	MEDEP 4.1.25	3/10/2005	1	Diesel Range Organics	50	ug/L	N	U	4.2	50
MW-NASB-062	AH02047	NA	EPA 8260B	3/10/2005	1	Diethyl Ether	2	ug/L	N	U	4.23	2
MW-NASB-062	AH02047	NA	EPA 8260B	3/10/2005	1	Diisopropyl ether (DIPE)	2	ug/L	N	U	0.14	2
MW-NASB-062	AH02047	NA	EPA 8260B	3/10/2005	1	Ethylbenzene	1	ug/L	N	U	0.15	1
MW-NASB-062	AH02047	NA	EPA 8260B	3/10/2005	1	Ethyl-t-butyl-ether (ETBE)	2	ug/L	N	U	0.14	2
MW-NASB-062	AH02047	NA	SM 3500 Fe D	3/10/2005	1	Ferrous Iron	25	ug/L	N	U	0	25
MW-NASB-062	AH02047	NA	EPA 8260B	3/10/2005	1	Hexachlorobutadiene	2	ug/L	N	U	0.27	2
MW-NASB-062	AH02047	NA	EPA 8260B	3/10/2005	1	Isopropylbenzene	2	ug/L	N	U	0.13	2
MW-NASB-062	AH02047	NA	EPA 8260B	3/10/2005	1	m,p-Xylene	1	ug/L	N	UJ	0.25	1
MW-NASB-062	AH02047	NA	EPA 8260B	3/10/2005	1	Methyl isobutyl ketone	10	ug/L	N	U	0.17	10
MW-NASB-062	AH02047	NA	EPA 8260B	3/10/2005	1	Methylene Chloride	5	ug/L	N	UJ	1.05	5
MW-NASB-062	AH02047	NA	EPA 8260B	3/10/2005	1	Naphthalene	2	ug/L	N	UJ	0.25	2
MW-NASB-062	AH02047	NA	EPA 8260B	3/10/2005	1	n-Butylbenzene	2	ug/L	N	U	0.37	2
MW-NASB-062	AH02047	NA	EPA 353.2	3/10/2005	1	Nitrate-N	0.1	mg/L	N	U	0.025	0.1
MW-NASB-062	AH02047	NA	EPA 8260B	3/10/2005	1	n-Propylbenzene	2	ug/L	N	U	0.15	2
MW-NASB-062	AH02047	NA	EPA 8260B	3/10/2005	1	o-Xylene	1	ug/L	N	UJ	0.19	1
MW-NASB-062	AH02047	NA	EPA 8260B	3/10/2005	1	sec-Butylbenzene	2	ug/L	N	U	0.14	2
MW-NASB-062	AH02047	NA	EPA 8260B	3/10/2005	1	Styrene	2	ug/L	N	U	0.15	2
MW-NASB-062	AH02047	NA	EPA 9056	3/10/2005	1	Sulfate	4.8	mg/L	Y		310	1
MW-NASB-062	AH02047	NA	EPA 8260B	3/10/2005	1	t-Butyl-Methyl Ether	1	ug/L	N	UJ	0.32	1
MW-NASB-062	AH02047	NA	EPA 8260B	3/10/2005	1	tert-Butanol (TBA)	20	ug/L	N	R	0	20

Sample Name	NE Lab ID	ATL Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Detect Flag	Qualifier	MDL	RDL
MW-NASB-062	AH02047	NA	EPA 8260B	3/10/2005	1	tert-Butylbenzene	2	ug/L	N	U	0.27	2
MW-NASB-062	AH02047	NA	EPA 8260B	3/10/2005	1	Tetrachloroethene	2	ug/L	N	U	0.55	2
MW-NASB-062	AH02047	NA	EPA 8260B	3/10/2005	1	Tetrahydrofuran	5	ug/L	N	R	2.16	5
MW-NASB-062	AH02047	NA	EPA 8260B	3/10/2005	1	Toluene	1	ug/L	N	U	0.15	1
MW-NASB-062	AH02047	NA	EPA 415.1	3/10/2005	1	Total Organic Carbon	3.1	mg/L	Y		0.343	1
MW-NASB-062	AH02047	NA	EPA 8260B	3/10/2005	1	trans-1,2-Dichloroethene	2	ug/L	N	U	0.25	2
MW-NASB-062	AH02047	NA	EPA 8260B	3/10/2005	1	trans-1,3-Dichloropropene	2	ug/L	N	UJ	0.64	2
MW-NASB-062	AH02047	NA	EPA 8260B	3/10/2005	1	Trichloroethene	2	ug/L	N	U	0.28	2
MW-NASB-062	AH02047	NA	EPA 8260B	3/10/2005	1	Trichlorofluoromethane	2	ug/L	N	U	0.41	2
MW-NASB-062	AH02047	NA	EPA 8260B	3/10/2005	1	Vinyl Chloride	2	ug/L	N	U	0.43	2
MW-NASB-051	AH02048	NA	EPA 8260B	3/10/2005	1	1,1,1,2-Tetrachloroethane	2	ug/L	N	U	0.14	2
MW-NASB-051	AH02048	NA	EPA 8260B	3/10/2005	1	1,1,1-Trichloroethane	2	ug/L	N	U	0.29	2
MW-NASB-051	AH02048	NA	EPA 8260B	3/10/2005	1	1,1,2,2-Tetrachloroethane	2	ug/L	N	U	0.39	2
MW-NASB-051	AH02048	NA	EPA 8260B	3/10/2005	1	1,1,2-Trichloroethane	2	ug/L	N	U	0.2	2
MW-NASB-051	AH02048	NA	EPA 8260B	3/10/2005	1	1,1-Dichloroethane	2	ug/L	N	U	0.28	2
MW-NASB-051	AH02048	NA	EPA 8260B	3/10/2005	1	1,1-Dichloroethene	2	ug/L	N	U	0.32	2
MW-NASB-051	AH02048	NA	EPA 8260B	3/10/2005	1	1,1-Dichloropropene	2	ug/L	N	U	0.23	2
MW-NASB-051	AH02048	NA	EPA 8260B	3/10/2005	1	1,2,3-Trichlorobenzene	2	ug/L	N	U	0.19	2
MW-NASB-051	AH02048	NA	EPA 8260B	3/10/2005	1	1,2,3-Trichloropropane	2	ug/L	N	U	0.48	2
MW-NASB-051	AH02048	NA	EPA 8260B	3/10/2005	1	1,2,4-Trichlorobenzene	2	ug/L	N	U	0.25	2
MW-NASB-051	AH02048	NA	EPA 8260B	3/10/2005	1	1,2,4-Trimethylbenzene	2	ug/L	N	U	0.1	2
MW-NASB-051	AH02048	NA	EPA 8260B	3/10/2005	1	1,2-Dibromo-3-Chloropropane	2	ug/L	N	UJ	1.2	2
MW-NASB-051	AH02048	NA	EPA 8260B	3/10/2005	1	1,2-Dibromoethane	2	ug/L	N	U	0.46	2
MW-NASB-051	AH02048	NA	EPA 8260B	3/10/2005	1	1,2-Dichlorobenzene	2	ug/L	N	UJ	0.34	2
MW-NASB-051	AH02048	NA	EPA 8260B	3/10/2005	1	1,2-Dichloroethane	2	ug/L	N	U	0.46	2
MW-NASB-051	AH02048	NA	EPA 8260B	3/10/2005	1	1,2-Dichloropropane	2	ug/L	N	U	0.1	2
MW-NASB-051	AH02048	NA	EPA 8260B	3/10/2005	1	1,3,5-Trimethylbenzene	2	ug/L	N	U	0.15	2
MW-NASB-051	AH02048	NA	EPA 8260B	3/10/2005	1	1,3-Dichlorobenzene	2	ug/L	N	U	0.17	2
MW-NASB-051	AH02048	NA	EPA 8260B	3/10/2005	1	1,3-Dichloropropane	2	ug/L	N	U	0.35	2
MW-NASB-051	AH02048	NA	EPA 8260B	3/10/2005	1	1,4-Dichlorobenzene	2	ug/L	N	U	0.23	2
MW-NASB-051	AH02048	NA	EPA 8260B	3/10/2005	1	2,2-Dichloropropane	2	ug/L	N	U	0.16	2
MW-NASB-051	AH02048	NA	EPA 8260B	3/10/2005	1	2-Butanone	10	ug/L	N	U	0.42	10
MW-NASB-051	AH02048	NA	EPA 8260B	3/10/2005	1	2-Chlorotoluene	2	ug/L	N	U	0.19	2
MW-NASB-051	AH02048	NA	EPA 8260B	3/10/2005	1	2-Hexanone	10	ug/L	N	R	2.42	10
MW-NASB-051	AH02048	NA	EPA 8260B	3/10/2005	1	2-Methoxy-2-Methylbutane (TAME)	2	ug/L	N	U	0.46	2
MW-NASB-051	AH02048	NA	EPA 8260B	3/10/2005	1	4-Chlorotoluene	2	ug/L	N	U	0.13	2
MW-NASB-051	AH02048	NA	EPA 8260B	3/10/2005	1	4-Isopropyltoluene	2	ug/L	N	U	0.11	2
MW-NASB-051	AH02048	NA	EPA 8260B	3/10/2005	1	Acetone	10	ug/L	N	UJ	4.14	10
MW-NASB-051	AH02048	NA	EPA 310.1	3/10/2005	1	Alkalinity, Titrimetic	30	mg/L	Y		0.35	1
MW-NASB-051	AH02048	NA	EPA 8260B	3/10/2005	1	Benzene	1	ug/L	N	U	0.26	1
MW-NASB-051	AH02048	NA	EPA 8260B	3/10/2005	1	Bromobenzene	2	ug/L	N	U	0.18	2
MW-NASB-051	AH02048	NA	EPA 8260B	3/10/2005	1	Bromochloromethane	2	ug/L	N	U	0.62	2
MW-NASB-051	AH02048	NA	EPA 8260B	3/10/2005	1	Bromodichloromethane	2	ug/L	N	U	0.22	2
MW-NASB-051	AH02048	NA	EPA 8260B	3/10/2005	1	Bromoform	2	ug/L	N	U	0.37	2
MW-NASB-051	AH02048	NA	EPA 8260B	3/10/2005	1	Bromomethane	2	ug/L	N	UJ	0.52	2
MW-NASB-051	AH02048	NA	EPA 8260B	3/10/2005	1	Carbon Disulfide	2	ug/L	N	U	0.27	2
MW-NASB-051	AH02048	NA	EPA 8260B	3/10/2005	1	Carbon Tetrachloride	2	ug/L	N	U	0.27	2

Sample Name	NE Lab ID	ATL Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Detect Flag	Qualifier	MDL	RDL
MW-NASB-051	AH02048	NA	EPA 8260B	3/10/2005	1	Chlorobenzene	2	ug/L	N	U	0.18	2
MW-NASB-051	AH02048	NA	EPA 8260B	3/10/2005	1	Chloroethane	2	ug/L	N	U	1.52	2
MW-NASB-051	AH02048	NA	EPA 8260B	3/10/2005	1	Chloroform	2	ug/L	N	U	0.42	2
MW-NASB-051	AH02048	NA	EPA 8260B	3/10/2005	1	Chloromethane	2	ug/L	N	U	0.38	2
MW-NASB-051	AH02048	NA	EPA 8260B	3/10/2005	1	cis-1,2-Dichloroethene	2	ug/L	N	U	0.55	2
MW-NASB-051	AH02048	NA	EPA 8260B	3/10/2005	1	cis-1,3-Dichloropropene	2	ug/L	N	U	0.13	2
MW-NASB-051	AH02048	NA	EPA 8260B	3/10/2005	1	Dibromochloromethane	2	ug/L	N	U	0.32	2
MW-NASB-051	AH02048	NA	EPA 8260B	3/10/2005	1	Dibromomethane	2	ug/L	N	U	0.36	2
MW-NASB-051	AH02048	NA	EPA 8260B	3/10/2005	1	Dichlorodifluoromethane	2	ug/L	N	U	0.51	2
MW-NASB-051	AH02048	NA	MEDEP 4.1.25	3/10/2005	1	Diesel Range Organics	50	ug/L	N	U	4.2	50
MW-NASB-051	AH02048	NA	EPA 8260B	3/10/2005	1	Diethyl Ether	2	ug/L	N	U	4.23	2
MW-NASB-051	AH02048	NA	EPA 8260B	3/10/2005	1	Diisopropyl ether (DIPE)	2	ug/L	N	U	0.14	2
MW-NASB-051	AH02048	NA	EPA 8260B	3/10/2005	1	Ethylbenzene	1	ug/L	N	U	0.15	1
MW-NASB-051	AH02048	NA	EPA 8260B	3/10/2005	1	Ethyl-t-butyl-ether (ETBE)	2	ug/L	N	U	0.14	2
MW-NASB-051	AH02048	NA	SM 3500 Fe D	3/10/2005	1	Ferrous Iron	25	ug/L	N	U	0	25
MW-NASB-051	AH02048	NA	EPA 8260B	3/10/2005	1	Hexachlorobutadiene	2	ug/L	N	U	0.27	2
MW-NASB-051	AH02048	NA	EPA 8260B	3/10/2005	1	Isopropylbenzene	2	ug/L	N	U	0.13	2
MW-NASB-051	AH02048	NA	EPA 8260B	3/10/2005	1	m,p-Xylene	1	ug/L	N	U	0.25	1
MW-NASB-051	AH02048	NA	EPA 8260B	3/10/2005	1	Methyl isobutyl ketone	10	ug/L	N	U	0.17	10
MW-NASB-051	AH02048	NA	EPA 8260B	3/10/2005	1	Methylene Chloride	5	ug/L	N	UJ	1.05	5
MW-NASB-051	AH02048	NA	EPA 8260B	3/10/2005	1	Naphthalene	2	ug/L	N	UJ	0.25	2
MW-NASB-051	AH02048	NA	EPA 8260B	3/10/2005	1	n-Butylbenzene	2	ug/L	N	U	0.37	2
MW-NASB-051	AH02048	NA	EPA 353.2	3/10/2005	1	Nitrate-N	0.1	mg/L	N	U	0.025	0.1
MW-NASB-051	AH02048	NA	EPA 8260B	3/10/2005	1	n-Propylbenzene	2	ug/L	N	U	0.15	2
MW-NASB-051	AH02048	NA	EPA 8260B	3/10/2005	1	o-Xylene	1	ug/L	N	U	0.19	1
MW-NASB-051	AH02048	NA	EPA 8260B	3/10/2005	1	sec-Butylbenzene	2	ug/L	N	U	0.14	2
MW-NASB-051	AH02048	NA	EPA 8260B	3/10/2005	1	Styrene	2	ug/L	N	U	0.15	2
MW-NASB-051	AH02048	NA	EPA 9056	3/10/2005	1	Sulfate	2.3	mg/L	Y		310	1
MW-NASB-051	AH02048	NA	EPA 8260B	3/10/2005	1	t-Butyl-Methyl Ether	1	ug/L	N	U	0.32	1
MW-NASB-051	AH02048	NA	EPA 8260B	3/10/2005	1	tert-Butanol (TBA)	20	ug/L	N	R	0	20
MW-NASB-051	AH02048	NA	EPA 8260B	3/10/2005	1	tert-Butylbenzene	2	ug/L	N	U	0.27	2
MW-NASB-051	AH02048	NA	EPA 8260B	3/10/2005	1	Tetrachloroethene	2	ug/L	N	U	0.55	2
MW-NASB-051	AH02048	NA	EPA 8260B	3/10/2005	1	Tetrahydrofuran	5	ug/L	N	R	2.16	5
MW-NASB-051	AH02048	NA	EPA 8260B	3/10/2005	1	Toluene	1	ug/L	N	U	0.15	1
MW-NASB-051	AH02048	NA	EPA 415.1	3/10/2005	1	Total Organic Carbon	1.3	mg/L	Y		0.343	1
MW-NASB-051	AH02048	NA	EPA 8260B	3/10/2005	1	trans-1,2-Dichloroethene	2	ug/L	N	U	0.25	2
MW-NASB-051	AH02048	NA	EPA 8260B	3/10/2005	1	trans-1,3-Dichloropropene	2	ug/L	N	U	0.64	2
MW-NASB-051	AH02048	NA	EPA 8260B	3/10/2005	1	Trichloroethene	2	ug/L	N	U	0.28	2
MW-NASB-051	AH02048	NA	EPA 8260B	3/10/2005	1	Trichlorofluoromethane	2	ug/L	N	U	0.41	2
MW-NASB-051	AH02048	NA	EPA 8260B	3/10/2005	1	Vinyl Chloride	2	ug/L	N	U	0.43	2
MW-NASB-207	AH02049	NA	EPA 8260B	3/10/2005	1	1,1,1,2-Tetrachloroethane	2	ug/L	N	U	0.14	2
MW-NASB-207	AH02049	NA	EPA 8260B	3/10/2005	1	1,1,1-Trichloroethane	2	ug/L	N	U	0.29	2
MW-NASB-207	AH02049	NA	EPA 8260B	3/10/2005	1	1,1,2,2-Tetrachloroethane	2	ug/L	N	U	0.39	2
MW-NASB-207	AH02049	NA	EPA 8260B	3/10/2005	1	1,1,2-Trichloroethane	2	ug/L	N	U	0.2	2
MW-NASB-207	AH02049	NA	EPA 8260B	3/10/2005	1	1,1-Dichloroethane	2	ug/L	N	U	0.28	2
MW-NASB-207	AH02049	NA	EPA 8260B	3/10/2005	1	1,1-Dichloroethene	2	ug/L	N	U	0.32	2
MW-NASB-207	AH02049	NA	EPA 8260B	3/10/2005	1	1,1-Dichloropropene	2	ug/L	N	U	0.23	2

Sample Name	NE Lab ID	ATL Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Detect Flag	Qualifier	MDL	RDL
MW-NASB-207	AH02049	NA	EPA 8260B	3/10/2005	1	1,2,3-Trichlorobenzene	2	ug/L	N	U	0.19	2
MW-NASB-207	AH02049	NA	EPA 8260B	3/10/2005	1	1,2,3-Trichloropropane	2	ug/L	N	U	0.48	2
MW-NASB-207	AH02049	NA	EPA 8260B	3/10/2005	1	1,2,4-Trichlorobenzene	2	ug/L	N	U	0.25	2
MW-NASB-207	AH02049	NA	EPA 8260B	3/10/2005	1	1,2,4-Trimethylbenzene	2	ug/L	N	U	0.1	2
MW-NASB-207	AH02049	NA	EPA 8260B	3/10/2005	1	1,2-Dibromo-3-Chloropropane	2	ug/L	N	UJ	1.2	2
MW-NASB-207	AH02049	NA	EPA 8260B	3/10/2005	1	1,2-Dibromoethane	2	ug/L	N	U	0.46	2
MW-NASB-207	AH02049	NA	EPA 8260B	3/10/2005	1	1,2-Dichlorobenzene	2	ug/L	N	UJ	0.34	2
MW-NASB-207	AH02049	NA	EPA 8260B	3/10/2005	1	1,2-Dichloroethane	2	ug/L	N	U	0.46	2
MW-NASB-207	AH02049	NA	EPA 8260B	3/10/2005	1	1,2-Dichloropropane	2	ug/L	N	U	0.1	2
MW-NASB-207	AH02049	NA	EPA 8260B	3/10/2005	1	1,3,5-Trimethylbenzene	2	ug/L	N	U	0.15	2
MW-NASB-207	AH02049	NA	EPA 8260B	3/10/2005	1	1,3-Dichlorobenzene	2	ug/L	N	U	0.17	2
MW-NASB-207	AH02049	NA	EPA 8260B	3/10/2005	1	1,3-Dichloropropane	2	ug/L	N	U	0.35	2
MW-NASB-207	AH02049	NA	EPA 8260B	3/10/2005	1	1,4-Dichlorobenzene	2	ug/L	N	U	0.23	2
MW-NASB-207	AH02049	NA	EPA 8260B	3/10/2005	1	2,2-Dichloropropane	2	ug/L	N	U	0.16	2
MW-NASB-207	AH02049	NA	EPA 8260B	3/10/2005	1	2-Butanone	10	ug/L	N	U	0.42	10
MW-NASB-207	AH02049	NA	EPA 8260B	3/10/2005	1	2-Chlorotoluene	2	ug/L	N	U	0.19	2
MW-NASB-207	AH02049	NA	EPA 8260B	3/10/2005	1	2-Hexanone	10	ug/L	N	R	2.42	10
MW-NASB-207	AH02049	NA	EPA 8260B	3/10/2005	1	2-Methoxy-2-Methylbutane (TAME)	2	ug/L	N	U	0.46	2
MW-NASB-207	AH02049	NA	EPA 8260B	3/10/2005	1	4-Chlorotoluene	2	ug/L	N	U	0.13	2
MW-NASB-207	AH02049	NA	EPA 8260B	3/10/2005	1	4-Isopropyltoluene	2	ug/L	N	U	0.11	2
MW-NASB-207	AH02049	NA	EPA 8260B	3/10/2005	1	Acetone	10	ug/L	N	UJ	4.14	10
MW-NASB-207	AH02049	NA	EPA 310.1	3/10/2005	1	Alkalinity, Titrimetic	190	mg/L	Y		0.35	1
MW-NASB-207	AH02049	NA	EPA 8260B	3/10/2005	1	Benzene	1	ug/L	N	U	0.26	1
MW-NASB-207	AH02049	NA	EPA 8260B	3/10/2005	1	Bromobenzene	2	ug/L	N	U	0.18	2
MW-NASB-207	AH02049	NA	EPA 8260B	3/10/2005	1	Bromochloromethane	2	ug/L	N	U	0.62	2
MW-NASB-207	AH02049	NA	EPA 8260B	3/10/2005	1	Bromodichloromethane	2	ug/L	N	U	0.22	2
MW-NASB-207	AH02049	NA	EPA 8260B	3/10/2005	1	Bromoform	2	ug/L	N	U	0.37	2
MW-NASB-207	AH02049	NA	EPA 8260B	3/10/2005	1	Bromomethane	2	ug/L	N	UJ	0.52	2
MW-NASB-207	AH02049	NA	EPA 8260B	3/10/2005	1	Carbon Disulfide	2	ug/L	N	U	0.27	2
MW-NASB-207	AH02049	NA	EPA 8260B	3/10/2005	1	Carbon Tetrachloride	2	ug/L	N	U	0.27	2
MW-NASB-207	AH02049	NA	EPA 8260B	3/10/2005	1	Chlorobenzene	2	ug/L	N	U	0.18	2
MW-NASB-207	AH02049	NA	EPA 8260B	3/10/2005	1	Chloroethane	2	ug/L	N	U	1.52	2
MW-NASB-207	AH02049	NA	EPA 8260B	3/10/2005	1	Chloroform	2	ug/L	N	U	0.42	2
MW-NASB-207	AH02049	NA	EPA 8260B	3/10/2005	1	Chloromethane	2	ug/L	N	U	0.38	2
MW-NASB-207	AH02049	NA	EPA 8260B	3/10/2005	1	cis-1,2-Dichloroethene	2	ug/L	N	U	0.55	2
MW-NASB-207	AH02049	NA	EPA 8260B	3/10/2005	1	cis-1,3-Dichloropropene	2	ug/L	N	U	0.13	2
MW-NASB-207	AH02049	NA	EPA 8260B	3/10/2005	1	Dibromochloromethane	2	ug/L	N	U	0.32	2
MW-NASB-207	AH02049	NA	EPA 8260B	3/10/2005	1	Dibromomethane	2	ug/L	N	U	0.36	2
MW-NASB-207	AH02049	NA	EPA 8260B	3/10/2005	1	Dichlorodifluoromethane	2	ug/L	N	U	0.51	2
MW-NASB-207	AH02049	NA	MEDEP 4.1.25	3/10/2005	1	Diesel Range Organics	50	ug/L	N	U	4.2	50
MW-NASB-207	AH02049	NA	EPA 8260B	3/10/2005	1	Diethyl Ether	2	ug/L	N	U	4.23	2
MW-NASB-207	AH02049	NA	EPA 8260B	3/10/2005	1	Diisopropyl ether (DIPE)	2	ug/L	N	U	0.14	2
MW-NASB-207	AH02049	NA	EPA 8260B	3/10/2005	1	Ethylbenzene	1	ug/L	N	U	0.15	1
MW-NASB-207	AH02049	NA	EPA 8260B	3/10/2005	1	Ethyl-t-butyl-ether (ETBE)	2	ug/L	N	U	0.14	2
MW-NASB-207	AH02049	NA	SM 3500 Fe D	3/10/2005	1	Ferrous Iron	25	ug/L	N	U	0	25
MW-NASB-207	AH02049	NA	EPA 8260B	3/10/2005	1	Hexachlorobutadiene	2	ug/L	N	U	0.27	2
MW-NASB-207	AH02049	NA	EPA 8260B	3/10/2005	1	Isopropylbenzene	2	ug/L	N	U	0.13	2

Sample Name	NE Lab ID	ATL Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Detect Flag	Qualifier	MDL	RDL
MW-NASB-207	AH02049	NA	EPA 8260B	3/10/2005	1	m,p-Xylene	1	ug/L	N	U	0.25	1
MW-NASB-207	AH02049	NA	EPA 8260B	3/10/2005	1	Methyl isobutyl ketone	10	ug/L	N	U	0.17	10
MW-NASB-207	AH02049	NA	EPA 8260B	3/10/2005	1	Methylene Chloride	5	ug/L	N	UJ	1.05	5
MW-NASB-207	AH02049	NA	EPA 8260B	3/10/2005	1	Naphthalene	2	ug/L	N	UJ	0.25	2
MW-NASB-207	AH02049	NA	EPA 8260B	3/10/2005	1	n-Butylbenzene	2	ug/L	N	U	0.37	2
MW-NASB-207	AH02049	NA	EPA 353.2	3/10/2005	1	Nitrate-N	0.1	mg/L	N	U	0.025	0.1
MW-NASB-207	AH02049	NA	EPA 8260B	3/10/2005	1	n-Propylbenzene	2	ug/L	N	U	0.15	2
MW-NASB-207	AH02049	NA	EPA 8260B	3/10/2005	1	o-Xylene	1	ug/L	N	U	0.19	1
MW-NASB-207	AH02049	NA	EPA 8260B	3/10/2005	1	sec-Butylbenzene	2	ug/L	N	U	0.14	2
MW-NASB-207	AH02049	NA	EPA 8260B	3/10/2005	1	Styrene	2	ug/L	N	U	0.15	2
MW-NASB-207	AH02049	NA	EPA 9056	3/10/2005	1	Sulfate	2.6	mg/L	Y		310	1
MW-NASB-207	AH02049	NA	EPA 8260B	3/10/2005	1	t-Butyl-Methyl Ether	1	ug/L	N	U	0.32	1
MW-NASB-207	AH02049	NA	EPA 8260B	3/10/2005	1	tert-Butanol (TBA)	20	ug/L	N	R	0	20
MW-NASB-207	AH02049	NA	EPA 8260B	3/10/2005	1	tert-Butylbenzene	2	ug/L	N	U	0.27	2
MW-NASB-207	AH02049	NA	EPA 8260B	3/10/2005	1	Tetrachloroethene	2	ug/L	N	U	0.55	2
MW-NASB-207	AH02049	NA	EPA 8260B	3/10/2005	1	Tetrahydrofuran	5	ug/L	N	R	2.16	5
MW-NASB-207	AH02049	NA	EPA 8260B	3/10/2005	1	Toluene	1	ug/L	N	U	0.15	1
MW-NASB-207	AH02049	NA	EPA 415.1	3/10/2005	1	Total Organic Carbon	1.6	mg/L	Y		0.343	1
MW-NASB-207	AH02049	NA	EPA 8260B	3/10/2005	1	trans-1,2-Dichloroethene	2	ug/L	N	U	0.25	2
MW-NASB-207	AH02049	NA	EPA 8260B	3/10/2005	1	trans-1,3-Dichloropropene	2	ug/L	N	U	0.64	2
MW-NASB-207	AH02049	NA	EPA 8260B	3/10/2005	1	Trichloroethene	2	ug/L	N	U	0.28	2
MW-NASB-207	AH02049	NA	EPA 8260B	3/10/2005	1	Trichlorofluoromethane	2	ug/L	N	U	0.41	2
MW-NASB-207	AH02049	NA	EPA 8260B	3/10/2005	1	Vinyl Chloride	2	ug/L	N	U	0.43	2
MW-NASB-TB07-08	AH02050	NA	EPA 8260B	3/10/2005	1	1,1,1,2-Tetrachloroethane	2	ug/L	N	U	0.14	2
MW-NASB-TB07-08	AH02050	NA	EPA 8260B	3/10/2005	1	1,1,1-Trichloroethane	2	ug/L	N	U	0.29	2
MW-NASB-TB07-08	AH02050	NA	EPA 8260B	3/10/2005	1	1,1,2,2-Tetrachloroethane	2	ug/L	N	U	0.39	2
MW-NASB-TB07-08	AH02050	NA	EPA 8260B	3/10/2005	1	1,1,2-Trichloroethane	2	ug/L	N	U	0.2	2
MW-NASB-TB07-08	AH02050	NA	EPA 8260B	3/10/2005	1	1,1-Dichloroethane	2	ug/L	N	U	0.28	2
MW-NASB-TB07-08	AH02050	NA	EPA 8260B	3/10/2005	1	1,1-Dichloroethene	2	ug/L	N	U	0.32	2
MW-NASB-TB07-08	AH02050	NA	EPA 8260B	3/10/2005	1	1,1-Dichloropropene	2	ug/L	N	U	0.23	2
MW-NASB-TB07-08	AH02050	NA	EPA 8260B	3/10/2005	1	1,2,3-Trichlorobenzene	2	ug/L	N	U	0.19	2
MW-NASB-TB07-08	AH02050	NA	EPA 8260B	3/10/2005	1	1,2,3-Trichloropropane	2	ug/L	N	U	0.48	2
MW-NASB-TB07-08	AH02050	NA	EPA 8260B	3/10/2005	1	1,2,4-Trichlorobenzene	2	ug/L	N	U	0.25	2
MW-NASB-TB07-08	AH02050	NA	EPA 8260B	3/10/2005	1	1,2,4-Trimethylbenzene	2	ug/L	N	U	0.1	2
MW-NASB-TB07-08	AH02050	NA	EPA 8260B	3/10/2005	1	1,2-Dibromo-3-Chloropropane	2	ug/L	N	UJ	1.2	2
MW-NASB-TB07-08	AH02050	NA	EPA 8260B	3/10/2005	1	1,2-Dibromoethane	2	ug/L	N	U	0.46	2
MW-NASB-TB07-08	AH02050	NA	EPA 8260B	3/10/2005	1	1,2-Dichlorobenzene	2	ug/L	N	UJ	0.34	2
MW-NASB-TB07-08	AH02050	NA	EPA 8260B	3/10/2005	1	1,2-Dichloroethane	2	ug/L	N	U	0.46	2
MW-NASB-TB07-08	AH02050	NA	EPA 8260B	3/10/2005	1	1,2-Dichloropropane	2	ug/L	N	U	0.1	2
MW-NASB-TB07-08	AH02050	NA	EPA 8260B	3/10/2005	1	1,3,5-Trimethylbenzene	2	ug/L	N	U	0.15	2
MW-NASB-TB07-08	AH02050	NA	EPA 8260B	3/10/2005	1	1,3-Dichlorobenzene	2	ug/L	N	U	0.17	2
MW-NASB-TB07-08	AH02050	NA	EPA 8260B	3/10/2005	1	1,3-Dichloropropane	2	ug/L	N	U	0.35	2
MW-NASB-TB07-08	AH02050	NA	EPA 8260B	3/10/2005	1	1,4-Dichlorobenzene	2	ug/L	N	U	0.23	2
MW-NASB-TB07-08	AH02050	NA	EPA 8260B	3/10/2005	1	2,2-Dichloropropane	2	ug/L	N	U	0.16	2
MW-NASB-TB07-08	AH02050	NA	EPA 8260B	3/10/2005	1	2-Butanone	10	ug/L	N	U	0.42	10
MW-NASB-TB07-08	AH02050	NA	EPA 8260B	3/10/2005	1	2-Chlorotoluene	2	ug/L	N	U	0.19	2
MW-NASB-TB07-08	AH02050	NA	EPA 8260B	3/10/2005	1	2-Hexanone	10	ug/L	N	R	2.42	10

Sample Name	NE Lab ID	ATL Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Detect Flag	Qualifier	MDL	RDL
MW-NASB-TB07-08	AH02050	NA	EPA 8260B	3/10/2005	1	2-Methoxy-2-Methylbutane (TAME)	2	ug/L	N	U	0.46	2
MW-NASB-TB07-08	AH02050	NA	EPA 8260B	3/10/2005	1	4-Chlorotoluene	2	ug/L	N	U	0.13	2
MW-NASB-TB07-08	AH02050	NA	EPA 8260B	3/10/2005	1	4-Isopropyltoluene	2	ug/L	N	U	0.11	2
MW-NASB-TB07-08	AH02050	NA	EPA 8260B	3/10/2005	1	Acetone	10	ug/L	N	UJ	4.14	10
MW-NASB-TB07-08	AH02050	NA	EPA 8260B	3/10/2005	1	Benzene	1	ug/L	N	U	0.26	1
MW-NASB-TB07-08	AH02050	NA	EPA 8260B	3/10/2005	1	Bromobenzene	2	ug/L	N	U	0.18	2
MW-NASB-TB07-08	AH02050	NA	EPA 8260B	3/10/2005	1	Bromochloromethane	2	ug/L	N	U	0.62	2
MW-NASB-TB07-08	AH02050	NA	EPA 8260B	3/10/2005	1	Bromodichloromethane	2	ug/L	N	U	0.22	2
MW-NASB-TB07-08	AH02050	NA	EPA 8260B	3/10/2005	1	Bromoform	2	ug/L	N	U	0.37	2
MW-NASB-TB07-08	AH02050	NA	EPA 8260B	3/10/2005	1	Bromomethane	2	ug/L	N	UJ	0.52	2
MW-NASB-TB07-08	AH02050	NA	EPA 8260B	3/10/2005	1	Carbon Disulfide	2	ug/L	N	U	0.27	2
MW-NASB-TB07-08	AH02050	NA	EPA 8260B	3/10/2005	1	Carbon Tetrachloride	2	ug/L	N	U	0.27	2
MW-NASB-TB07-08	AH02050	NA	EPA 8260B	3/10/2005	1	Chlorobenzene	2	ug/L	N	U	0.18	2
MW-NASB-TB07-08	AH02050	NA	EPA 8260B	3/10/2005	1	Chloroethane	2	ug/L	N	U	1.52	2
MW-NASB-TB07-08	AH02050	NA	EPA 8260B	3/10/2005	1	Chloroform	2	ug/L	N	U	0.42	2
MW-NASB-TB07-08	AH02050	NA	EPA 8260B	3/10/2005	1	Chloromethane	2	ug/L	N	U	0.38	2
MW-NASB-TB07-08	AH02050	NA	EPA 8260B	3/10/2005	1	cis-1,2-Dichloroethene	2	ug/L	N	U	0.55	2
MW-NASB-TB07-08	AH02050	NA	EPA 8260B	3/10/2005	1	cis-1,3-Dichloropropene	2	ug/L	N	U	0.13	2
MW-NASB-TB07-08	AH02050	NA	EPA 8260B	3/10/2005	1	Dibromochloromethane	2	ug/L	N	U	0.32	2
MW-NASB-TB07-08	AH02050	NA	EPA 8260B	3/10/2005	1	Dibromomethane	2	ug/L	N	U	0.36	2
MW-NASB-TB07-08	AH02050	NA	EPA 8260B	3/10/2005	1	Dichlorodifluoromethane	2	ug/L	N	U	0.51	2
MW-NASB-TB07-08	AH02050	NA	EPA 8260B	3/10/2005	1	Diethyl Ether	2	ug/L	N	U	4.23	2
MW-NASB-TB07-08	AH02050	NA	EPA 8260B	3/10/2005	1	Diisopropyl ether (DIPE)	2	ug/L	N	U	0.14	2
MW-NASB-TB07-08	AH02050	NA	EPA 8260B	3/10/2005	1	Ethylbenzene	1	ug/L	N	U	0.15	1
MW-NASB-TB07-08	AH02050	NA	EPA 8260B	3/10/2005	1	Ethyl-t-butyl-ether (ETBE)	2	ug/L	N	U	0.14	2
MW-NASB-TB07-08	AH02050	NA	EPA 8260B	3/10/2005	1	Hexachlorobutadiene	2	ug/L	N	U	0.27	2
MW-NASB-TB07-08	AH02050	NA	EPA 8260B	3/10/2005	1	Isopropylbenzene	2	ug/L	N	U	0.13	2
MW-NASB-TB07-08	AH02050	NA	EPA 8260B	3/10/2005	1	m,p-Xylene	1	ug/L	N	U	0.25	1
MW-NASB-TB07-08	AH02050	NA	EPA 8260B	3/10/2005	1	Methyl isobutyl ketone	10	ug/L	N	U	0.17	10
MW-NASB-TB07-08	AH02050	NA	EPA 8260B	3/10/2005	1	Methylene Chloride	5	ug/L	N	UJ	1.05	5
MW-NASB-TB07-08	AH02050	NA	EPA 8260B	3/10/2005	1	Naphthalene	2	ug/L	N	UJ	0.25	2
MW-NASB-TB07-08	AH02050	NA	EPA 8260B	3/10/2005	1	n-Butylbenzene	2	ug/L	N	U	0.37	2
MW-NASB-TB07-08	AH02050	NA	EPA 8260B	3/10/2005	1	n-Propylbenzene	2	ug/L	N	U	0.15	2
MW-NASB-TB07-08	AH02050	NA	EPA 8260B	3/10/2005	1	o-Xylene	1	ug/L	N	U	0.19	1
MW-NASB-TB07-08	AH02050	NA	EPA 8260B	3/10/2005	1	sec-Butylbenzene	2	ug/L	N	U	0.14	2
MW-NASB-TB07-08	AH02050	NA	EPA 8260B	3/10/2005	1	Styrene	2	ug/L	N	U	0.15	2
MW-NASB-TB07-08	AH02050	NA	EPA 8260B	3/10/2005	1	t-Butyl-Methyl Ether	1	ug/L	N	U	0.32	1
MW-NASB-TB07-08	AH02050	NA	EPA 8260B	3/10/2005	1	tert-Butanol (TBA)	20	ug/L	N	R	0	20
MW-NASB-TB07-08	AH02050	NA	EPA 8260B	3/10/2005	1	tert-Butylbenzene	2	ug/L	N	U	0.27	2
MW-NASB-TB07-08	AH02050	NA	EPA 8260B	3/10/2005	1	Tetrachloroethene	2	ug/L	N	U	0.55	2
MW-NASB-TB07-08	AH02050	NA	EPA 8260B	3/10/2005	1	Tetrahydrofuran	5	ug/L	N	R	2.16	5
MW-NASB-TB07-08	AH02050	NA	EPA 8260B	3/10/2005	1	Toluene	1	ug/L	N	U	0.15	1
MW-NASB-TB07-08	AH02050	NA	EPA 8260B	3/10/2005	1	trans-1,2-Dichloroethene	2	ug/L	N	U	0.25	2
MW-NASB-TB07-08	AH02050	NA	EPA 8260B	3/10/2005	1	trans-1,3-Dichloropropene	2	ug/L	N	U	0.64	2
MW-NASB-TB07-08	AH02050	NA	EPA 8260B	3/10/2005	1	Trichloroethene	2	ug/L	N	U	0.28	2
MW-NASB-TB07-08	AH02050	NA	EPA 8260B	3/10/2005	1	Trichlorofluoromethane	2	ug/L	N	U	0.41	2
MW-NASB-TB07-08	AH02050	NA	EPA 8260B	3/10/2005	1	Vinyl Chloride	2	ug/L	N	U	0.43	2

Sample Name	NE Lab ID	ATL Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Detect Flag	Qualifier	MDL	RDL
MW-NASB-098	AH02068	NA	EPA 8260B	3/11/2005	1	1,1,1,2-Tetrachloroethane	2	ug/L	N	U	0.14	2
MW-NASB-098	AH02068	NA	EPA 8260B	3/11/2005	1	1,1,1-Trichloroethane	2	ug/L	N	U	0.29	2
MW-NASB-098	AH02068	NA	EPA 8260B	3/11/2005	1	1,1,2,2-Tetrachloroethane	2	ug/L	N	U	0.39	2
MW-NASB-098	AH02068	NA	EPA 8260B	3/11/2005	1	1,1,2-Trichloroethane	2	ug/L	N	U	0.2	2
MW-NASB-098	AH02068	NA	EPA 8260B	3/11/2005	1	1,1-Dichloroethane	2	ug/L	N	U	0.28	2
MW-NASB-098	AH02068	NA	EPA 8260B	3/11/2005	1	1,1-Dichloroethene	2	ug/L	N	U	0.32	2
MW-NASB-098	AH02068	NA	EPA 8260B	3/11/2005	1	1,1-Dichloropropene	2	ug/L	N	U	0.23	2
MW-NASB-098	AH02068	NA	EPA 8260B	3/11/2005	1	1,2,3-Trichlorobenzene	2	ug/L	N	U	0.19	2
MW-NASB-098	AH02068	NA	EPA 8260B	3/11/2005	1	1,2,3-Trichloropropane	2	ug/L	N	U	0.48	2
MW-NASB-098	AH02068	NA	EPA 8260B	3/11/2005	1	1,2,4-Trichlorobenzene	2	ug/L	N	U	0.25	2
MW-NASB-098	AH02068	NA	EPA 8260B	3/11/2005	1	1,2,4-Trimethylbenzene	2	ug/L	N	U	0.1	2
MW-NASB-098	AH02068	NA	EPA 8260B	3/11/2005	1	1,2-Dibromo-3-Chloropropane	2	ug/L	N	UJ	1.2	2
MW-NASB-098	AH02068	NA	EPA 8260B	3/11/2005	1	1,2-Dibromoethane	2	ug/L	N	U	0.46	2
MW-NASB-098	AH02068	NA	EPA 8260B	3/11/2005	1	1,2-Dichlorobenzene	2	ug/L	N	UJ	0.34	2
MW-NASB-098	AH02068	NA	EPA 8260B	3/11/2005	1	1,2-Dichloroethane	2	ug/L	N	U	0.46	2
MW-NASB-098	AH02068	NA	EPA 8260B	3/11/2005	1	1,2-Dichloropropane	2	ug/L	N	UJ	0.1	2
MW-NASB-098	AH02068	NA	EPA 8260B	3/11/2005	1	1,3,5-Trimethylbenzene	2	ug/L	N	U	0.15	2
MW-NASB-098	AH02068	NA	EPA 8260B	3/11/2005	1	1,3-Dichlorobenzene	2	ug/L	N	U	0.17	2
MW-NASB-098	AH02068	NA	EPA 8260B	3/11/2005	1	1,3-Dichloropropane	2	ug/L	N	U	0.35	2
MW-NASB-098	AH02068	NA	EPA 8260B	3/11/2005	1	1,4-Dichlorobenzene	2	ug/L	N	U	0.23	2
MW-NASB-098	AH02068	NA	EPA 8260B	3/11/2005	1	2,2-Dichloropropane	2	ug/L	N	U	0.16	2
MW-NASB-098	AH02068	NA	EPA 8260B	3/11/2005	1	2-Butanone	10	ug/L	N	U	0.42	10
MW-NASB-098	AH02068	NA	EPA 8260B	3/11/2005	1	2-Chlorotoluene	2	ug/L	N	U	0.19	2
MW-NASB-098	AH02068	NA	EPA 8260B	3/11/2005	1	2-Hexanone	10	ug/L	N	R	2.42	10
MW-NASB-098	AH02068	NA	EPA 8260B	3/11/2005	1	2-Methoxy-2-Methylbutane (TAME)	2	ug/L	N	U	0.46	2
MW-NASB-098	AH02068	NA	EPA 8260B	3/11/2005	1	4-Chlorotoluene	2	ug/L	N	U	0.13	2
MW-NASB-098	AH02068	NA	EPA 8260B	3/11/2005	1	4-Isopropyltoluene	2	ug/L	N	U	0.11	2
MW-NASB-098	AH02068	NA	EPA 8260B	3/11/2005	1	Acetone	10	ug/L	N	UJ	4.14	10
MW-NASB-098	AH02068	NA	EPA 310.1	3/11/2005	1	Alkalinity, Titrimetic	24	mg/L	Y		0.35	1
MW-NASB-098	AH02068	NA	EPA 8260B	3/11/2005	1	Benzene	1	ug/L	N	U	0.26	1
MW-NASB-098	AH02068	NA	EPA 8260B	3/11/2005	1	Bromobenzene	2	ug/L	N	U	0.18	2
MW-NASB-098	AH02068	NA	EPA 8260B	3/11/2005	1	Bromochloromethane	2	ug/L	N	U	0.62	2
MW-NASB-098	AH02068	NA	EPA 8260B	3/11/2005	1	Bromodichloromethane	2	ug/L	N	U	0.22	2
MW-NASB-098	AH02068	NA	EPA 8260B	3/11/2005	1	Bromoform	2	ug/L	N	U	0.37	2
MW-NASB-098	AH02068	NA	EPA 8260B	3/11/2005	1	Bromomethane	2	ug/L	N	UJ	0.52	2
MW-NASB-098	AH02068	NA	EPA 8260B	3/11/2005	1	Carbon Disulfide	2	ug/L	N	U	0.27	2
MW-NASB-098	AH02068	NA	EPA 8260B	3/11/2005	1	Carbon Tetrachloride	2	ug/L	N	U	0.27	2
MW-NASB-098	AH02068	NA	EPA 8260B	3/11/2005	1	Chlorobenzene	2	ug/L	N	U	0.18	2
MW-NASB-098	AH02068	NA	EPA 8260B	3/11/2005	1	Chloroethane	2	ug/L	N	U	1.52	2
MW-NASB-098	AH02068	NA	EPA 8260B	3/11/2005	1	Chloroform	2	ug/L	N	U	0.42	2
MW-NASB-098	AH02068	NA	EPA 8260B	3/11/2005	1	Chloromethane	2	ug/L	N	U	0.38	2
MW-NASB-098	AH02068	NA	EPA 8260B	3/11/2005	1	cis-1,2-Dichloroethene	2	ug/L	N	U	0.55	2
MW-NASB-098	AH02068	NA	EPA 8260B	3/11/2005	1	cis-1,3-Dichloropropene	2	ug/L	N	U	0.13	2
MW-NASB-098	AH02068	NA	EPA 8260B	3/11/2005	1	Dibromochloromethane	2	ug/L	N	U	0.32	2
MW-NASB-098	AH02068	NA	EPA 8260B	3/11/2005	1	Dibromomethane	2	ug/L	N	U	0.36	2
MW-NASB-098	AH02068	NA	EPA 8260B	3/11/2005	1	Dichlorodifluoromethane	2	ug/L	N	U	0.51	2
MW-NASB-098	AH02068	NA	MEDEP 4.1.25	3/11/2005	1	Diesel Range Organics	50	ug/L	N	U	4.2	50

Sample Name	NE Lab ID	ATL Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Detect Flag	Qualifier	MDL	RDL
MW-NASB-098	AH02068	NA	EPA 8260B	3/11/2005	1	Diethyl Ether	2	ug/L	N	U	4.23	2
MW-NASB-098	AH02068	NA	EPA 8260B	3/11/2005	1	Diisopropyl ether (DIPE)	2	ug/L	N	U	0.14	2
MW-NASB-098	AH02068	NA	EPA 8260B	3/11/2005	1	Ethylbenzene	1	ug/L	N	U	0.15	1
MW-NASB-098	AH02068	NA	EPA 8260B	3/11/2005	1	Ethyl-t-butyl-ether (ETBE)	2	ug/L	N	U	0.14	2
MW-NASB-098	AH02068	NA	SM 3500 Fe D	3/11/2005	1	Ferrous Iron	7400	ug/L	Y		0	25
MW-NASB-098	AH02068	NA	EPA 8260B	3/11/2005	1	Hexachlorobutadiene	2	ug/L	N	U	0.27	2
MW-NASB-098	AH02068	NA	EPA 8260B	3/11/2005	1	Isopropylbenzene	2	ug/L	N	U	0.13	2
MW-NASB-098	AH02068	NA	EPA 8260B	3/11/2005	1	m,p-Xylene	1	ug/L	N	U	0.25	1
MW-NASB-098	AH02068	NA	EPA 8260B	3/11/2005	1	Methyl isobutyl ketone	10	ug/L	N	U	0.17	10
MW-NASB-098	AH02068	NA	EPA 8260B	3/11/2005	1	Methylene Chloride	5	ug/L	N	UJ	1.05	5
MW-NASB-098	AH02068	NA	EPA 8260B	3/11/2005	1	Naphthalene	2	ug/L	N	UJ	0.25	2
MW-NASB-098	AH02068	NA	EPA 8260B	3/11/2005	1	n-Butylbenzene	2	ug/L	N	U	0.37	2
MW-NASB-098	AH02068	NA	EPA 353.2	3/11/2005	1	Nitrate-N	0.1	mg/L	N	U	0.025	0.1
MW-NASB-098	AH02068	NA	EPA 8260B	3/11/2005	1	n-Propylbenzene	2	ug/L	N	U	0.15	2
MW-NASB-098	AH02068	NA	EPA 8260B	3/11/2005	1	o-Xylene	1	ug/L	N	U	0.19	1
MW-NASB-098	AH02068	NA	EPA 8260B	3/11/2005	1	sec-Butylbenzene	2	ug/L	N	U	0.14	2
MW-NASB-098	AH02068	NA	EPA 8260B	3/11/2005	1	Styrene	2	ug/L	N	U	0.15	2
MW-NASB-098	AH02068	NA	EPA 9056	3/11/2005	1	Sulfate	11	mg/L	Y		310	1
MW-NASB-098	AH02068	NA	EPA 8260B	3/11/2005	1	t-Butyl-Methyl Ether	6.4	ug/L	Y	J	0.32	1
MW-NASB-098	AH02068	NA	EPA 8260B	3/11/2005	1	tert-Butanol (TBA)	20	ug/L	N	R	0	20
MW-NASB-098	AH02068	NA	EPA 8260B	3/11/2005	1	tert-Butylbenzene	2	ug/L	N	U	0.27	2
MW-NASB-098	AH02068	NA	EPA 8260B	3/11/2005	1	Tetrachloroethene	2	ug/L	N	U	0.55	2
MW-NASB-098	AH02068	NA	EPA 8260B	3/11/2005	1	Tetrahydrofuran	5	ug/L	N	R	2.16	5
MW-NASB-098	AH02068	NA	EPA 8260B	3/11/2005	1	Toluene	1	ug/L	N	U	0.15	1
MW-NASB-098	AH02068	NA	EPA 415.1	3/11/2005	1	Total Organic Carbon	3.2	mg/L	Y		0.343	1
MW-NASB-098	AH02068	NA	EPA 8260B	3/11/2005	1	trans-1,2-Dichloroethene	2	ug/L	N	U	0.25	2
MW-NASB-098	AH02068	NA	EPA 8260B	3/11/2005	1	trans-1,3-Dichloropropene	2	ug/L	N	U	0.64	2
MW-NASB-098	AH02068	NA	EPA 8260B	3/11/2005	1	Trichloroethene	2	ug/L	N	U	0.28	2
MW-NASB-098	AH02068	NA	EPA 8260B	3/11/2005	1	Trichlorofluoromethane	2	ug/L	N	U	0.41	2
MW-NASB-098	AH02068	NA	EPA 8260B	3/11/2005	1	Vinyl Chloride	2	ug/L	N	U	0.43	2
MW-NASB-058	AH02069	NA	EPA 8260B	3/11/2005	1	1,1,1,2-Tetrachloroethane	2	ug/L	N	UJ	0.14	2
MW-NASB-058	AH02069	NA	EPA 8260B	3/11/2005	1	1,1,1-Trichloroethane	2	ug/L	N	UJ	0.29	2
MW-NASB-058	AH02069	NA	EPA 8260B	3/11/2005	1	1,1,2,2-Tetrachloroethane	2	ug/L	N	UJ	0.39	2
MW-NASB-058	AH02069	NA	EPA 8260B	3/11/2005	1	1,1,2-Trichloroethane	2	ug/L	N	UJ	0.2	2
MW-NASB-058	AH02069	NA	EPA 8260B	3/11/2005	1	1,1-Dichloroethane	2	ug/L	N	UJ	0.28	2
MW-NASB-058	AH02069	NA	EPA 8260B	3/11/2005	1	1,1-Dichloroethene	2	ug/L	N	UJ	0.32	2
MW-NASB-058	AH02069	NA	EPA 8260B	3/11/2005	1	1,1-Dichloropropene	2	ug/L	N	UJ	0.23	2
MW-NASB-058	AH02069	NA	EPA 8260B	3/11/2005	1	1,2,3-Trichlorobenzene	2	ug/L	N	UJ	0.19	2
MW-NASB-058	AH02069	NA	EPA 8260B	3/11/2005	1	1,2,3-Trichloropropane	2	ug/L	N	UJ	0.48	2
MW-NASB-058	AH02069	NA	EPA 8260B	3/11/2005	1	1,2,4-Trichlorobenzene	2	ug/L	N	UJ	0.25	2
MW-NASB-058	AH02069	NA	EPA 8260B	3/11/2005	1	1,2,4-Trimethylbenzene	2	ug/L	N	UJ	0.1	2
MW-NASB-058	AH02069	NA	EPA 8260B	3/11/2005	1	1,2-Dibromo-3-Chloropropane	2	ug/L	N	UJ	1.2	2
MW-NASB-058	AH02069	NA	EPA 8260B	3/11/2005	1	1,2-Dibromoethane	2	ug/L	N	UJ	0.46	2
MW-NASB-058	AH02069	NA	EPA 8260B	3/11/2005	1	1,2-Dichlorobenzene	2	ug/L	N	UJ	0.34	2
MW-NASB-058	AH02069	NA	EPA 8260B	3/11/2005	1	1,2-Dichloroethane	2	ug/L	N	UJ	0.46	2
MW-NASB-058	AH02069	NA	EPA 8260B	3/11/2005	1	1,2-Dichloropropane	2	ug/L	N	UJ	0.1	2
MW-NASB-058	AH02069	NA	EPA 8260B	3/11/2005	1	1,3,5-Trimethylbenzene	2	ug/L	N	UJ	0.15	2

Sample Name	NE Lab ID	ATL Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Detect Flag	Qualifier	MDL	RDL
MW-NASB-058	AH02069	NA	EPA 8260B	3/11/2005	1	1,3-Dichlorobenzene	2	ug/L	N	UJ	0.17	2
MW-NASB-058	AH02069	NA	EPA 8260B	3/11/2005	1	1,3-Dichloropropane	2	ug/L	N	UJ	0.35	2
MW-NASB-058	AH02069	NA	EPA 8260B	3/11/2005	1	1,4-Dichlorobenzene	2	ug/L	N	UJ	0.23	2
MW-NASB-058	AH02069	NA	EPA 8260B	3/11/2005	1	2,2-Dichloropropane	2	ug/L	N	UJ	0.16	2
MW-NASB-058	AH02069	NA	EPA 8260B	3/11/2005	1	2-Butanone	10	ug/L	N	UJ	0.42	10
MW-NASB-058	AH02069	NA	EPA 8260B	3/11/2005	1	2-Chlorotoluene	2	ug/L	N	UJ	0.19	2
MW-NASB-058	AH02069	NA	EPA 8260B	3/11/2005	1	2-Hexanone	10	ug/L	N	R	2.42	10
MW-NASB-058	AH02069	NA	EPA 8260B	3/11/2005	1	2-Methoxy-2-Methylbutane (TAME)	2	ug/L	N	UJ	0.46	2
MW-NASB-058	AH02069	NA	EPA 8260B	3/11/2005	1	4-Chlorotoluene	2	ug/L	N	UJ	0.13	2
MW-NASB-058	AH02069	NA	EPA 8260B	3/11/2005	1	4-Isopropyltoluene	2	ug/L	N	UJ	0.11	2
MW-NASB-058	AH02069	NA	EPA 8260B	3/11/2005	1	Acetone	10	ug/L	N	UJ	4.14	10
MW-NASB-058	AH02069	NA	EPA 310.1	3/11/2005	1	Alkalinity, Titrimetic	29	mg/L	Y		0.35	1
MW-NASB-058	AH02069	NA	EPA 8260B	3/11/2005	1	Benzene	1	ug/L	N	UJ	0.26	1
MW-NASB-058	AH02069	NA	EPA 8260B	3/11/2005	1	Bromobenzene	2	ug/L	N	UJ	0.18	2
MW-NASB-058	AH02069	NA	EPA 8260B	3/11/2005	1	Bromochloromethane	2	ug/L	N	UJ	0.62	2
MW-NASB-058	AH02069	NA	EPA 8260B	3/11/2005	1	Bromodichloromethane	2	ug/L	N	UJ	0.22	2
MW-NASB-058	AH02069	NA	EPA 8260B	3/11/2005	1	Bromoform	2	ug/L	N	UJ	0.37	2
MW-NASB-058	AH02069	NA	EPA 8260B	3/11/2005	1	Bromomethane	2	ug/L	N	UJ	0.52	2
MW-NASB-058	AH02069	NA	EPA 8260B	3/11/2005	1	Carbon Disulfide	2	ug/L	N	UJ	0.27	2
MW-NASB-058	AH02069	NA	EPA 8260B	3/11/2005	1	Carbon Tetrachloride	2	ug/L	N	UJ	0.27	2
MW-NASB-058	AH02069	NA	EPA 8260B	3/11/2005	1	Chlorobenzene	2	ug/L	N	UJ	0.18	2
MW-NASB-058	AH02069	NA	EPA 8260B	3/11/2005	1	Chloroethane	2	ug/L	N	UJ	1.52	2
MW-NASB-058	AH02069	NA	EPA 8260B	3/11/2005	1	Chloroform	2	ug/L	N	UJ	0.42	2
MW-NASB-058	AH02069	NA	EPA 8260B	3/11/2005	1	Chloromethane	2	ug/L	N	UJ	0.38	2
MW-NASB-058	AH02069	NA	EPA 8260B	3/11/2005	1	cis-1,2-Dichloroethene	2	ug/L	N	UJ	0.55	2
MW-NASB-058	AH02069	NA	EPA 8260B	3/11/2005	1	cis-1,3-Dichloropropene	2	ug/L	N	UJ	0.13	2
MW-NASB-058	AH02069	NA	EPA 8260B	3/11/2005	1	Dibromochloromethane	2	ug/L	N	UJ	0.32	2
MW-NASB-058	AH02069	NA	EPA 8260B	3/11/2005	1	Dibromomethane	2	ug/L	N	UJ	0.36	2
MW-NASB-058	AH02069	NA	EPA 8260B	3/11/2005	1	Dichlorodifluoromethane	2	ug/L	N	UJ	0.51	2
MW-NASB-058	AH02069	NA	MEDEP 4.1.25	3/11/2005	1	Diesel Range Organics	50	ug/L	N	U	4.2	50
MW-NASB-058	AH02069	NA	EPA 8260B	3/11/2005	1	Diethyl Ether	2	ug/L	N	UJ	4.23	2
MW-NASB-058	AH02069	NA	EPA 8260B	3/11/2005	1	Diisopropyl ether (DIPE)	2	ug/L	N	UJ	0.14	2
MW-NASB-058	AH02069	NA	EPA 8260B	3/11/2005	1	Ethylbenzene	1	ug/L	N	UJ	0.15	1
MW-NASB-058	AH02069	NA	EPA 8260B	3/11/2005	1	Ethyl-t-butyl-ether (ETBE)	2	ug/L	N	UJ	0.14	2
MW-NASB-058	AH02069	NA	SM 3500 Fe D	3/11/2005	1	Ferrous Iron	68	ug/L	Y		0	25
MW-NASB-058	AH02069	NA	EPA 8260B	3/11/2005	1	Hexachlorobutadiene	2	ug/L	N	UJ	0.27	2
MW-NASB-058	AH02069	NA	EPA 8260B	3/11/2005	1	Isopropylbenzene	2	ug/L	N	UJ	0.13	2
MW-NASB-058	AH02069	NA	EPA 8260B	3/11/2005	1	m,p-Xylene	1	ug/L	N	UJ	0.25	1
MW-NASB-058	AH02069	NA	EPA 8260B	3/11/2005	1	Methyl isobutyl ketone	10	ug/L	N	UJ	0.17	10
MW-NASB-058	AH02069	NA	EPA 8260B	3/11/2005	1	Methylene Chloride	5	ug/L	N	UJ	1.05	5
MW-NASB-058	AH02069	NA	EPA 8260B	3/11/2005	1	Naphthalene	2	ug/L	N	UJ	0.25	2
MW-NASB-058	AH02069	NA	EPA 8260B	3/11/2005	1	n-Butylbenzene	2	ug/L	N	UJ	0.37	2
MW-NASB-058	AH02069	NA	EPA 353.2	3/11/2005	1	Nitrate-N	1.1	mg/L	Y		0.025	0.1
MW-NASB-058	AH02069	NA	EPA 8260B	3/11/2005	1	n-Propylbenzene	2	ug/L	N	UJ	0.15	2
MW-NASB-058	AH02069	NA	EPA 8260B	3/11/2005	1	o-Xylene	1	ug/L	N	UJ	0.19	1
MW-NASB-058	AH02069	NA	EPA 8260B	3/11/2005	1	sec-Butylbenzene	2	ug/L	N	UJ	0.14	2
MW-NASB-058	AH02069	NA	EPA 8260B	3/11/2005	1	Styrene	2	ug/L	N	UJ	0.15	2

Sample Name	NE Lab ID	ATL Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Detect Flag	Qualifier	MDL	RDL
MW-NASB-058	AH02069	NA	EPA 9056	3/11/2005	1	Sulfate	20	mg/L	Y		310	1
MW-NASB-058	AH02069	NA	EPA 8260B	3/11/2005	1	t-Butyl-Methyl Ether	1	ug/L	N	UJ	0.32	1
MW-NASB-058	AH02069	NA	EPA 8260B	3/11/2005	1	tert-Butanol (TBA)	20	ug/L	N	R	0	20
MW-NASB-058	AH02069	NA	EPA 8260B	3/11/2005	1	tert-Butylbenzene	2	ug/L	N	UJ	0.27	2
MW-NASB-058	AH02069	NA	EPA 8260B	3/11/2005	1	Tetrachloroethene	2	ug/L	N	UJ	0.55	2
MW-NASB-058	AH02069	NA	EPA 8260B	3/11/2005	1	Tetrahydrofuran	5	ug/L	N	R	2.16	5
MW-NASB-058	AH02069	NA	EPA 8260B	3/11/2005	1	Toluene	1	ug/L	N	UJ	0.15	1
MW-NASB-058	AH02069	NA	EPA 415.1	3/11/2005	1	Total Organic Carbon	1.6	mg/L	Y		0.343	1
MW-NASB-058	AH02069	NA	EPA 8260B	3/11/2005	1	trans-1,2-Dichloroethene	2	ug/L	N	UJ	0.25	2
MW-NASB-058	AH02069	NA	EPA 8260B	3/11/2005	1	trans-1,3-Dichloropropene	2	ug/L	N	UJ	0.64	2
MW-NASB-058	AH02069	NA	EPA 8260B	3/11/2005	1	Trichloroethene	2	ug/L	N	UJ	0.28	2
MW-NASB-058	AH02069	NA	EPA 8260B	3/11/2005	1	Trichlorofluoromethane	2	ug/L	N	UJ	0.41	2
MW-NASB-058	AH02069	NA	EPA 8260B	3/11/2005	1	Vinyl Chloride	2	ug/L	N	UJ	0.43	2
MW-NASB-210	AH02070	NA	EPA 8260B	3/11/2005	1	1,1,1,2-Tetrachloroethane	2	ug/L	N	UJ	0.14	2
MW-NASB-210	AH02070	NA	EPA 8260B	3/11/2005	1	1,1,1-Trichloroethane	2	ug/L	N	UJ	0.29	2
MW-NASB-210	AH02070	NA	EPA 8260B	3/11/2005	1	1,1,2,2-Tetrachloroethane	2	ug/L	N	UJ	0.39	2
MW-NASB-210	AH02070	NA	EPA 8260B	3/11/2005	1	1,1,2-Trichloroethane	2	ug/L	N	UJ	0.2	2
MW-NASB-210	AH02070	NA	EPA 8260B	3/11/2005	1	1,1-Dichloroethane	2	ug/L	N	UJ	0.28	2
MW-NASB-210	AH02070	NA	EPA 8260B	3/11/2005	1	1,1-Dichloroethene	2	ug/L	N	UJ	0.32	2
MW-NASB-210	AH02070	NA	EPA 8260B	3/11/2005	1	1,1-Dichloropropene	2	ug/L	N	UJ	0.23	2
MW-NASB-210	AH02070	NA	EPA 8260B	3/11/2005	1	1,2,3-Trichlorobenzene	2	ug/L	N	UJ	0.19	2
MW-NASB-210	AH02070	NA	EPA 8260B	3/11/2005	1	1,2,3-Trichloropropane	2	ug/L	N	UJ	0.48	2
MW-NASB-210	AH02070	NA	EPA 8260B	3/11/2005	1	1,2,4-Trichlorobenzene	2	ug/L	N	UJ	0.25	2
MW-NASB-210	AH02070	NA	EPA 8260B	3/11/2005	1	1,2,4-Trimethylbenzene	2	ug/L	N	UJ	0.1	2
MW-NASB-210	AH02070	NA	EPA 8260B	3/11/2005	1	1,2-Dibromo-3-Chloropropane	2	ug/L	N	UJ	1.2	2
MW-NASB-210	AH02070	NA	EPA 8260B	3/11/2005	1	1,2-Dibromoethane	2	ug/L	N	UJ	0.46	2
MW-NASB-210	AH02070	NA	EPA 8260B	3/11/2005	1	1,2-Dichlorobenzene	2	ug/L	N	UJ	0.34	2
MW-NASB-210	AH02070	NA	EPA 8260B	3/11/2005	1	1,2-Dichloroethane	2	ug/L	N	UJ	0.46	2
MW-NASB-210	AH02070	NA	EPA 8260B	3/11/2005	1	1,2-Dichloropropane	2	ug/L	N	UJ	0.1	2
MW-NASB-210	AH02070	NA	EPA 8260B	3/11/2005	1	1,3,5-Trimethylbenzene	2	ug/L	N	UJ	0.15	2
MW-NASB-210	AH02070	NA	EPA 8260B	3/11/2005	1	1,3-Dichlorobenzene	2	ug/L	N	UJ	0.17	2
MW-NASB-210	AH02070	NA	EPA 8260B	3/11/2005	1	1,3-Dichloropropane	2	ug/L	N	UJ	0.35	2
MW-NASB-210	AH02070	NA	EPA 8260B	3/11/2005	1	1,4-Dichlorobenzene	2	ug/L	N	UJ	0.23	2
MW-NASB-210	AH02070	NA	EPA 8260B	3/11/2005	1	2,2-Dichloropropane	2	ug/L	N	UJ	0.16	2
MW-NASB-210	AH02070	NA	EPA 8260B	3/11/2005	1	2-Butanone	10	ug/L	N	UJ	0.42	10
MW-NASB-210	AH02070	NA	EPA 8260B	3/11/2005	1	2-Chlorotoluene	2	ug/L	N	UJ	0.19	2
MW-NASB-210	AH02070	NA	EPA 8260B	3/11/2005	1	2-Hexanone	10	ug/L	N	R	2.42	10
MW-NASB-210	AH02070	NA	EPA 8260B	3/11/2005	1	2-Methoxy-2-Methylbutane (TAME)	2	ug/L	N	UJ	0.46	2
MW-NASB-210	AH02070	NA	EPA 8260B	3/11/2005	1	4-Chlorotoluene	2	ug/L	N	UJ	0.13	2
MW-NASB-210	AH02070	NA	EPA 8260B	3/11/2005	1	4-Isopropyltoluene	2	ug/L	N	UJ	0.11	2
MW-NASB-210	AH02070	NA	EPA 8260B	3/11/2005	1	Acetone	10	ug/L	N	UJ	4.14	10
MW-NASB-210	AH02070	NA	EPA 310.1	3/11/2005	1	Alkalinity, Titrimetic	33	mg/L	Y		0.35	1
MW-NASB-210	AH02070	NA	EPA 8260B	3/11/2005	1	Benzene	1	ug/L	N	UJ	0.26	1
MW-NASB-210	AH02070	NA	EPA 8260B	3/11/2005	1	Bromobenzene	2	ug/L	N	UJ	0.18	2
MW-NASB-210	AH02070	NA	EPA 8260B	3/11/2005	1	Bromochloromethane	2	ug/L	N	UJ	0.62	2
MW-NASB-210	AH02070	NA	EPA 8260B	3/11/2005	1	Bromodichloromethane	2	ug/L	N	UJ	0.22	2
MW-NASB-210	AH02070	NA	EPA 8260B	3/11/2005	1	Bromoform	2	ug/L	N	UJ	0.37	2

Sample Name	NE Lab ID	ATL Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Detect Flag	Qualifier	MDL	RDL
MW-NASB-210	AH02070	NA	EPA 8260B	3/11/2005	1	Bromomethane	2	ug/L	N	UJ	0.52	2
MW-NASB-210	AH02070	NA	EPA 8260B	3/11/2005	1	Carbon Disulfide	2	ug/L	N	UJ	0.27	2
MW-NASB-210	AH02070	NA	EPA 8260B	3/11/2005	1	Carbon Tetrachloride	2	ug/L	N	UJ	0.27	2
MW-NASB-210	AH02070	NA	EPA 8260B	3/11/2005	1	Chlorobenzene	2	ug/L	N	UJ	0.18	2
MW-NASB-210	AH02070	NA	EPA 8260B	3/11/2005	1	Chloroethane	2	ug/L	N	UJ	1.52	2
MW-NASB-210	AH02070	NA	EPA 8260B	3/11/2005	1	Chloroform	2	ug/L	N	UJ	0.42	2
MW-NASB-210	AH02070	NA	EPA 8260B	3/11/2005	1	Chloromethane	2	ug/L	N	UJ	0.38	2
MW-NASB-210	AH02070	NA	EPA 8260B	3/11/2005	1	cis-1,2-Dichloroethene	2	ug/L	N	UJ	0.55	2
MW-NASB-210	AH02070	NA	EPA 8260B	3/11/2005	1	cis-1,3-Dichloropropene	2	ug/L	N	UJ	0.13	2
MW-NASB-210	AH02070	NA	EPA 8260B	3/11/2005	1	Dibromochloromethane	2	ug/L	N	UJ	0.32	2
MW-NASB-210	AH02070	NA	EPA 8260B	3/11/2005	1	Dibromomethane	2	ug/L	N	UJ	0.36	2
MW-NASB-210	AH02070	NA	EPA 8260B	3/11/2005	1	Dichlorodifluoromethane	2	ug/L	N	UJ	0.51	2
MW-NASB-210	AH02070	NA	MEDEP 4.1.25	3/11/2005	1	Diesel Range Organics	50	ug/L	N	U	4.2	50
MW-NASB-210	AH02070	NA	EPA 8260B	3/11/2005	1	Diethyl Ether	2	ug/L	N	UJ	4.23	2
MW-NASB-210	AH02070	NA	EPA 8260B	3/11/2005	1	Diisopropyl ether (DIPE)	2	ug/L	N	UJ	0.14	2
MW-NASB-210	AH02070	NA	EPA 8260B	3/11/2005	1	Ethylbenzene	1	ug/L	N	UJ	0.15	1
MW-NASB-210	AH02070	NA	EPA 8260B	3/11/2005	1	Ethyl-t-butyl-ether (ETBE)	2	ug/L	N	UJ	0.14	2
MW-NASB-210	AH02070	NA	SM 3500 Fe D	3/11/2005	1	Ferrous Iron	1200	ug/L	Y		0	25
MW-NASB-210	AH02070	NA	EPA 8260B	3/11/2005	1	Hexachlorobutadiene	2	ug/L	N	UJ	0.27	2
MW-NASB-210	AH02070	NA	EPA 8260B	3/11/2005	1	Isopropylbenzene	2	ug/L	N	UJ	0.13	2
MW-NASB-210	AH02070	NA	EPA 8260B	3/11/2005	1	m,p-Xylene	1	ug/L	N	UJ	0.25	1
MW-NASB-210	AH02070	NA	EPA 8260B	3/11/2005	1	Methyl isobutyl ketone	10	ug/L	N	UJ	0.17	10
MW-NASB-210	AH02070	NA	EPA 8260B	3/11/2005	1	Methylene Chloride	5	ug/L	N	UJ	1.05	5
MW-NASB-210	AH02070	NA	EPA 8260B	3/11/2005	1	Naphthalene	2	ug/L	N	UJ	0.25	2
MW-NASB-210	AH02070	NA	EPA 8260B	3/11/2005	1	n-Butylbenzene	2	ug/L	N	UJ	0.37	2
MW-NASB-210	AH02070	NA	EPA 353.2	3/11/2005	2	Nitrate-N	3.1	mg/L	Y		0.025	0.2
MW-NASB-210	AH02070	NA	EPA 8260B	3/11/2005	1	n-Propylbenzene	2	ug/L	N	UJ	0.15	2
MW-NASB-210	AH02070	NA	EPA 8260B	3/11/2005	1	o-Xylene	1	ug/L	N	UJ	0.19	1
MW-NASB-210	AH02070	NA	EPA 8260B	3/11/2005	1	sec-Butylbenzene	2	ug/L	N	UJ	0.14	2
MW-NASB-210	AH02070	NA	EPA 8260B	3/11/2005	1	Styrene	2	ug/L	N	UJ	0.15	2
MW-NASB-210	AH02070	NA	EPA 9056	3/11/2005	1	Sulfate	18	mg/L	Y		310	1
MW-NASB-210	AH02070	NA	EPA 8260B	3/11/2005	1	t-Butyl-Methyl Ether	1	ug/L	N	UJ	0.32	1
MW-NASB-210	AH02070	NA	EPA 8260B	3/11/2005	1	tert-Butanol (TBA)	20	ug/L	N	R	0	20
MW-NASB-210	AH02070	NA	EPA 8260B	3/11/2005	1	tert-Butylbenzene	2	ug/L	N	UJ	0.27	2
MW-NASB-210	AH02070	NA	EPA 8260B	3/11/2005	1	Tetrachloroethene	2	ug/L	N	UJ	0.55	2
MW-NASB-210	AH02070	NA	EPA 8260B	3/11/2005	1	Tetrahydrofuran	5	ug/L	N	R	2.16	5
MW-NASB-210	AH02070	NA	EPA 8260B	3/11/2005	1	Toluene	1	ug/L	N	UJ	0.15	1
MW-NASB-210	AH02070	NA	EPA 415.1	3/11/2005	1	Total Organic Carbon	8.8	mg/L	Y		0.343	1
MW-NASB-210	AH02070	NA	EPA 8260B	3/11/2005	1	trans-1,2-Dichloroethene	2	ug/L	N	UJ	0.25	2
MW-NASB-210	AH02070	NA	EPA 8260B	3/11/2005	1	trans-1,3-Dichloropropene	2	ug/L	N	UJ	0.64	2
MW-NASB-210	AH02070	NA	EPA 8260B	3/11/2005	1	Trichloroethene	2	ug/L	N	UJ	0.28	2
MW-NASB-210	AH02070	NA	EPA 8260B	3/11/2005	1	Trichlorofluoromethane	2	ug/L	N	UJ	0.41	2
MW-NASB-210	AH02070	NA	EPA 8260B	3/11/2005	1	Vinyl Chloride	2	ug/L	N	UJ	0.43	2
MW-NASB-DUP1	AH02071	NA	EPA 8260B	3/11/2005	1	1,1,1,2-Tetrachloroethane	2	ug/L	N	U	0.14	2
MW-NASB-DUP1	AH02071	NA	EPA 8260B	3/11/2005	1	1,1,1-Trichloroethane	2	ug/L	N	U	0.29	2
MW-NASB-DUP1	AH02071	NA	EPA 8260B	3/11/2005	1	1,1,2,2-Tetrachloroethane	2	ug/L	N	U	0.39	2
MW-NASB-DUP1	AH02071	NA	EPA 8260B	3/11/2005	1	1,1,2-Trichloroethane	2	ug/L	N	U	0.2	2

Sample Name	NE Lab ID	ATL Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Detect Flag	Qualifier	MDL	RDL
MW-NASB-DUP1	AH02071	NA	EPA 8260B	3/11/2005	1	1,1-Dichloroethane	2	ug/L	N	U	0.28	2
MW-NASB-DUP1	AH02071	NA	EPA 8260B	3/11/2005	1	1,1-Dichloroethene	2	ug/L	N	U	0.32	2
MW-NASB-DUP1	AH02071	NA	EPA 8260B	3/11/2005	1	1,1-Dichloropropene	2	ug/L	N	U	0.23	2
MW-NASB-DUP1	AH02071	NA	EPA 8260B	3/11/2005	1	1,2,3-Trichlorobenzene	2	ug/L	N	U	0.19	2
MW-NASB-DUP1	AH02071	NA	EPA 8260B	3/11/2005	1	1,2,3-Trichloropropane	2	ug/L	N	U	0.48	2
MW-NASB-DUP1	AH02071	NA	EPA 8260B	3/11/2005	1	1,2,4-Trichlorobenzene	2	ug/L	N	UJ	0.25	2
MW-NASB-DUP1	AH02071	NA	EPA 8260B	3/11/2005	1	1,2,4-Trimethylbenzene	2	ug/L	N	U	0.1	2
MW-NASB-DUP1	AH02071	NA	EPA 8260B	3/11/2005	1	1,2-Dibromo-3-Chloropropane	2	ug/L	N	UJ	1.2	2
MW-NASB-DUP1	AH02071	NA	EPA 8260B	3/11/2005	1	1,2-Dibromoethane	2	ug/L	N	U	0.46	2
MW-NASB-DUP1	AH02071	NA	EPA 8260B	3/11/2005	1	1,2-Dichlorobenzene	2	ug/L	N	UJ	0.34	2
MW-NASB-DUP1	AH02071	NA	EPA 8260B	3/11/2005	1	1,2-Dichloroethane	2	ug/L	N	U	0.46	2
MW-NASB-DUP1	AH02071	NA	EPA 8260B	3/11/2005	1	1,2-Dichloropropane	2	ug/L	N	U	0.1	2
MW-NASB-DUP1	AH02071	NA	EPA 8260B	3/11/2005	1	1,3,5-Trimethylbenzene	2	ug/L	N	U	0.15	2
MW-NASB-DUP1	AH02071	NA	EPA 8260B	3/11/2005	1	1,3-Dichlorobenzene	2	ug/L	N	U	0.17	2
MW-NASB-DUP1	AH02071	NA	EPA 8260B	3/11/2005	1	1,3-Dichloropropane	2	ug/L	N	U	0.35	2
MW-NASB-DUP1	AH02071	NA	EPA 8260B	3/11/2005	1	1,4-Dichlorobenzene	2	ug/L	N	U	0.23	2
MW-NASB-DUP1	AH02071	NA	EPA 8260B	3/11/2005	1	2,2-Dichloropropane	2	ug/L	N	UJ	0.16	2
MW-NASB-DUP1	AH02071	NA	EPA 8260B	3/11/2005	1	2-Butanone	10	ug/L	N	U	0.42	10
MW-NASB-DUP1	AH02071	NA	EPA 8260B	3/11/2005	1	2-Chlorotoluene	2	ug/L	N	U	0.19	2
MW-NASB-DUP1	AH02071	NA	EPA 8260B	3/11/2005	1	2-Hexanone	10	ug/L	N	R	2.42	10
MW-NASB-DUP1	AH02071	NA	EPA 8260B	3/11/2005	1	2-Methoxy-2-Methylbutane (TAME)	2	ug/L	N	U	0.46	2
MW-NASB-DUP1	AH02071	NA	EPA 8260B	3/11/2005	1	4-Chlorotoluene	2	ug/L	N	U	0.13	2
MW-NASB-DUP1	AH02071	NA	EPA 8260B	3/11/2005	1	4-Isopropyltoluene	2	ug/L	N	U	0.11	2
MW-NASB-DUP1	AH02071	NA	EPA 8260B	3/11/2005	1	Acetone	10	ug/L	N	UJ	4.14	10
MW-NASB-DUP1	AH02071	NA	EPA 310.1	3/11/2005	1	Alkalinity, Titrimetic	17	mg/L	Y		0.35	1
MW-NASB-DUP1	AH02071	NA	EPA 8260B	3/11/2005	1	Benzene	1	ug/L	N	U	0.26	1
MW-NASB-DUP1	AH02071	NA	EPA 8260B	3/11/2005	1	Bromobenzene	2	ug/L	N	U	0.18	2
MW-NASB-DUP1	AH02071	NA	EPA 8260B	3/11/2005	1	Bromochloromethane	2	ug/L	N	U	0.62	2
MW-NASB-DUP1	AH02071	NA	EPA 8260B	3/11/2005	1	Bromodichloromethane	2	ug/L	N	U	0.22	2
MW-NASB-DUP1	AH02071	NA	EPA 8260B	3/11/2005	1	Bromoform	2	ug/L	N	U	0.37	2
MW-NASB-DUP1	AH02071	NA	EPA 8260B	3/11/2005	1	Bromomethane	2	ug/L	N	UJ	0.52	2
MW-NASB-DUP1	AH02071	NA	EPA 8260B	3/11/2005	1	Carbon Disulfide	2	ug/L	N	U	0.27	2
MW-NASB-DUP1	AH02071	NA	EPA 8260B	3/11/2005	1	Carbon Tetrachloride	2	ug/L	N	U	0.27	2
MW-NASB-DUP1	AH02071	NA	EPA 8260B	3/11/2005	1	Chlorobenzene	2	ug/L	N	U	0.18	2
MW-NASB-DUP1	AH02071	NA	EPA 8260B	3/11/2005	1	Chloroethane	2	ug/L	N	U	1.52	2
MW-NASB-DUP1	AH02071	NA	EPA 8260B	3/11/2005	1	Chloroform	2	ug/L	N	U	0.42	2
MW-NASB-DUP1	AH02071	NA	EPA 8260B	3/11/2005	1	Chloromethane	2	ug/L	N	U	0.38	2
MW-NASB-DUP1	AH02071	NA	EPA 8260B	3/11/2005	1	cis-1,2-Dichloroethene	2	ug/L	N	U	0.55	2
MW-NASB-DUP1	AH02071	NA	EPA 8260B	3/11/2005	1	cis-1,3-Dichloropropene	2	ug/L	N	U	0.13	2
MW-NASB-DUP1	AH02071	NA	EPA 8260B	3/11/2005	1	Dibromochloromethane	2	ug/L	N	U	0.32	2
MW-NASB-DUP1	AH02071	NA	EPA 8260B	3/11/2005	1	Dibromomethane	2	ug/L	N	U	0.36	2
MW-NASB-DUP1	AH02071	NA	EPA 8260B	3/11/2005	1	Dichlorodifluoromethane	2	ug/L	N	U	0.51	2
MW-NASB-DUP1	AH02071	NA	MEDEP 4.1.25	3/11/2005	1	Diesel Range Organics	50	ug/L	N	U	4.2	50
MW-NASB-DUP1	AH02071	NA	EPA 8260B	3/11/2005	1	Diethyl Ether	2	ug/L	N	U	4.23	2
MW-NASB-DUP1	AH02071	NA	EPA 8260B	3/11/2005	1	Diisopropyl ether (DIPE)	2	ug/L	N	U	0.14	2
MW-NASB-DUP1	AH02071	NA	EPA 8260B	3/11/2005	1	Ethylbenzene	1	ug/L	N	U	0.15	1
MW-NASB-DUP1	AH02071	NA	EPA 8260B	3/11/2005	1	Ethyl-t-butyl-ether (ETBE)	2	ug/L	N	U	0.14	2

Sample Name	NE Lab ID	ATL Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Detect Flag	Qualifier	MDL	RDL
MW-NASB-DUP1	AH02071	NA	SM 3500 Fe D	3/11/2005	1	Ferrous Iron	7400	ug/L	Y		0	25
MW-NASB-DUP1	AH02071	NA	EPA 8260B	3/11/2005	1	Hexachlorobutadiene	2	ug/L	N	U	0.27	2
MW-NASB-DUP1	AH02071	NA	EPA 8260B	3/11/2005	1	Isopropylbenzene	2	ug/L	N	U	0.13	2
MW-NASB-DUP1	AH02071	NA	EPA 8260B	3/11/2005	1	m,p-Xylene	1	ug/L	N	UJ	0.25	1
MW-NASB-DUP1	AH02071	NA	EPA 8260B	3/11/2005	1	Methyl isobutyl ketone	10	ug/L	N	U	0.17	10
MW-NASB-DUP1	AH02071	NA	EPA 8260B	3/11/2005	1	Methylene Chloride	5	ug/L	N	UJ	1.05	5
MW-NASB-DUP1	AH02071	NA	EPA 8260B	3/11/2005	1	Naphthalene	2	ug/L	N	UJ	0.25	2
MW-NASB-DUP1	AH02071	NA	EPA 8260B	3/11/2005	1	n-Butylbenzene	2	ug/L	N	U	0.37	2
MW-NASB-DUP1	AH02071	NA	EPA 353.2	3/11/2005	1	Nitrate-N	0.1	mg/L	N	U	0.025	0.1
MW-NASB-DUP1	AH02071	NA	EPA 8260B	3/11/2005	1	n-Propylbenzene	2	ug/L	N	U	0.15	2
MW-NASB-DUP1	AH02071	NA	EPA 8260B	3/11/2005	1	o-Xylene	1	ug/L	N	UJ	0.19	1
MW-NASB-DUP1	AH02071	NA	EPA 8260B	3/11/2005	1	sec-Butylbenzene	2	ug/L	N	U	0.14	2
MW-NASB-DUP1	AH02071	NA	EPA 8260B	3/11/2005	1	Styrene	2	ug/L	N	U	0.15	2
MW-NASB-DUP1	AH02071	NA	EPA 9056	3/11/2005	1	Sulfate	11	mg/L	Y		310	1
MW-NASB-DUP1	AH02071	NA	EPA 8260B	3/11/2005	1	t-Butyl-Methyl Ether	5.5	ug/L	Y	J	0.32	1
MW-NASB-DUP1	AH02071	NA	EPA 8260B	3/11/2005	1	tert-Butanol (TBA)	20	ug/L	N	R	0	20
MW-NASB-DUP1	AH02071	NA	EPA 8260B	3/11/2005	1	tert-Butylbenzene	2	ug/L	N	U	0.27	2
MW-NASB-DUP1	AH02071	NA	EPA 8260B	3/11/2005	1	Tetrachloroethene	2	ug/L	N	U	0.55	2
MW-NASB-DUP1	AH02071	NA	EPA 8260B	3/11/2005	1	Tetrahydrofuran	5	ug/L	N	R	2.16	5
MW-NASB-DUP1	AH02071	NA	EPA 8260B	3/11/2005	1	Toluene	1	ug/L	N	U	0.15	1
MW-NASB-DUP1	AH02071	NA	EPA 415.1	3/11/2005	1	Total Organic Carbon	3.1	mg/L	Y		0.343	1
MW-NASB-DUP1	AH02071	NA	EPA 8260B	3/11/2005	1	trans-1,2-Dichloroethene	2	ug/L	N	U	0.25	2
MW-NASB-DUP1	AH02071	NA	EPA 8260B	3/11/2005	1	trans-1,3-Dichloropropene	2	ug/L	N	UJ	0.64	2
MW-NASB-DUP1	AH02071	NA	EPA 8260B	3/11/2005	1	Trichloroethene	2	ug/L	N	U	0.28	2
MW-NASB-DUP1	AH02071	NA	EPA 8260B	3/11/2005	1	Trichlorofluoromethane	2	ug/L	N	U	0.41	2
MW-NASB-DUP1	AH02071	NA	EPA 8260B	3/11/2005	1	Vinyl Chloride	2	ug/L	N	U	0.43	2
MW-NASB-TB09-10	AH02072	NA	EPA 8260B	3/11/2005	1	1,1,1,2-Tetrachloroethane	2	ug/L	N	U	0.14	2
MW-NASB-TB09-10	AH02072	NA	EPA 8260B	3/11/2005	1	1,1,1-Trichloroethane	2	ug/L	N	U	0.29	2
MW-NASB-TB09-10	AH02072	NA	EPA 8260B	3/11/2005	1	1,1,2,2-Tetrachloroethane	2	ug/L	N	U	0.39	2
MW-NASB-TB09-10	AH02072	NA	EPA 8260B	3/11/2005	1	1,1,2-Trichloroethane	2	ug/L	N	U	0.2	2
MW-NASB-TB09-10	AH02072	NA	EPA 8260B	3/11/2005	1	1,1-Dichloroethane	2	ug/L	N	U	0.28	2
MW-NASB-TB09-10	AH02072	NA	EPA 8260B	3/11/2005	1	1,1-Dichloroethene	2	ug/L	N	U	0.32	2
MW-NASB-TB09-10	AH02072	NA	EPA 8260B	3/11/2005	1	1,1-Dichloropropene	2	ug/L	N	U	0.23	2
MW-NASB-TB09-10	AH02072	NA	EPA 8260B	3/11/2005	1	1,2,3-Trichlorobenzene	2	ug/L	N	U	0.19	2
MW-NASB-TB09-10	AH02072	NA	EPA 8260B	3/11/2005	1	1,2,3-Trichloropropane	2	ug/L	N	U	0.48	2
MW-NASB-TB09-10	AH02072	NA	EPA 8260B	3/11/2005	1	1,2,4-Trichlorobenzene	2	ug/L	N	UJ	0.25	2
MW-NASB-TB09-10	AH02072	NA	EPA 8260B	3/11/2005	1	1,2,4-Trimethylbenzene	2	ug/L	N	U	0.1	2
MW-NASB-TB09-10	AH02072	NA	EPA 8260B	3/11/2005	1	1,2-Dibromo-3-Chloropropane	2	ug/L	N	UJ	1.2	2
MW-NASB-TB09-10	AH02072	NA	EPA 8260B	3/11/2005	1	1,2-Dibromoethane	2	ug/L	N	U	0.46	2
MW-NASB-TB09-10	AH02072	NA	EPA 8260B	3/11/2005	1	1,2-Dichlorobenzene	2	ug/L	N	UJ	0.34	2
MW-NASB-TB09-10	AH02072	NA	EPA 8260B	3/11/2005	1	1,2-Dichloroethane	2	ug/L	N	U	0.46	2
MW-NASB-TB09-10	AH02072	NA	EPA 8260B	3/11/2005	1	1,2-Dichloropropane	2	ug/L	N	U	0.1	2
MW-NASB-TB09-10	AH02072	NA	EPA 8260B	3/11/2005	1	1,3,5-Trimethylbenzene	2	ug/L	N	U	0.15	2
MW-NASB-TB09-10	AH02072	NA	EPA 8260B	3/11/2005	1	1,3-Dichlorobenzene	2	ug/L	N	U	0.17	2
MW-NASB-TB09-10	AH02072	NA	EPA 8260B	3/11/2005	1	1,3-Dichloropropane	2	ug/L	N	U	0.35	2
MW-NASB-TB09-10	AH02072	NA	EPA 8260B	3/11/2005	1	1,4-Dichlorobenzene	2	ug/L	N	U	0.23	2
MW-NASB-TB09-10	AH02072	NA	EPA 8260B	3/11/2005	1	2,2-Dichloropropane	2	ug/L	N	UJ	0.16	2

Sample Name	NE Lab ID	ATL Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Detect Flag	Qualifier	MDL	RDL
MW-NASB-TB09-10	AH02072	NA	EPA 8260B	3/11/2005	1	2-Butanone	10	ug/L	N	U	0.42	10
MW-NASB-TB09-10	AH02072	NA	EPA 8260B	3/11/2005	1	2-Chlorotoluene	2	ug/L	N	U	0.19	2
MW-NASB-TB09-10	AH02072	NA	EPA 8260B	3/11/2005	1	2-Hexanone	10	ug/L	N	R	2.42	10
MW-NASB-TB09-10	AH02072	NA	EPA 8260B	3/11/2005	1	2-Methoxy-2-Methylbutane (TAME)	2	ug/L	N	U	0.46	2
MW-NASB-TB09-10	AH02072	NA	EPA 8260B	3/11/2005	1	4-Chlorotoluene	2	ug/L	N	U	0.13	2
MW-NASB-TB09-10	AH02072	NA	EPA 8260B	3/11/2005	1	4-Isopropyltoluene	2	ug/L	N	U	0.11	2
MW-NASB-TB09-10	AH02072	NA	EPA 8260B	3/11/2005	1	Acetone	10	ug/L	N	UJ	4.14	10
MW-NASB-TB09-10	AH02072	NA	EPA 8260B	3/11/2005	1	Benzene	1	ug/L	N	U	0.26	1
MW-NASB-TB09-10	AH02072	NA	EPA 8260B	3/11/2005	1	Bromobenzene	2	ug/L	N	U	0.18	2
MW-NASB-TB09-10	AH02072	NA	EPA 8260B	3/11/2005	1	Bromochloromethane	2	ug/L	N	U	0.62	2
MW-NASB-TB09-10	AH02072	NA	EPA 8260B	3/11/2005	1	Bromodichloromethane	2	ug/L	N	U	0.22	2
MW-NASB-TB09-10	AH02072	NA	EPA 8260B	3/11/2005	1	Bromoform	2	ug/L	N	U	0.37	2
MW-NASB-TB09-10	AH02072	NA	EPA 8260B	3/11/2005	1	Bromomethane	2	ug/L	N	UJ	0.52	2
MW-NASB-TB09-10	AH02072	NA	EPA 8260B	3/11/2005	1	Carbon Disulfide	2	ug/L	N	U	0.27	2
MW-NASB-TB09-10	AH02072	NA	EPA 8260B	3/11/2005	1	Carbon Tetrachloride	2	ug/L	N	U	0.27	2
MW-NASB-TB09-10	AH02072	NA	EPA 8260B	3/11/2005	1	Chlorobenzene	2	ug/L	N	U	0.18	2
MW-NASB-TB09-10	AH02072	NA	EPA 8260B	3/11/2005	1	Chloroethane	2	ug/L	N	U	1.52	2
MW-NASB-TB09-10	AH02072	NA	EPA 8260B	3/11/2005	1	Chloroform	2	ug/L	N	U	0.42	2
MW-NASB-TB09-10	AH02072	NA	EPA 8260B	3/11/2005	1	Chloromethane	2	ug/L	N	U	0.38	2
MW-NASB-TB09-10	AH02072	NA	EPA 8260B	3/11/2005	1	cis-1,2-Dichloroethene	2	ug/L	N	U	0.55	2
MW-NASB-TB09-10	AH02072	NA	EPA 8260B	3/11/2005	1	cis-1,3-Dichloropropene	2	ug/L	N	U	0.13	2
MW-NASB-TB09-10	AH02072	NA	EPA 8260B	3/11/2005	1	Dibromochloromethane	2	ug/L	N	U	0.32	2
MW-NASB-TB09-10	AH02072	NA	EPA 8260B	3/11/2005	1	Dibromomethane	2	ug/L	N	U	0.36	2
MW-NASB-TB09-10	AH02072	NA	EPA 8260B	3/11/2005	1	Dichlorodifluoromethane	2	ug/L	N	U	0.51	2
MW-NASB-TB09-10	AH02072	NA	EPA 8260B	3/11/2005	1	Diethyl Ether	2	ug/L	N	U	4.23	2
MW-NASB-TB09-10	AH02072	NA	EPA 8260B	3/11/2005	1	Diisopropyl ether (DIPE)	2	ug/L	N	U	0.14	2
MW-NASB-TB09-10	AH02072	NA	EPA 8260B	3/11/2005	1	Ethylbenzene	1	ug/L	N	U	0.15	1
MW-NASB-TB09-10	AH02072	NA	EPA 8260B	3/11/2005	1	Ethyl-t-butyl-ether (ETBE)	2	ug/L	N	U	0.14	2
MW-NASB-TB09-10	AH02072	NA	EPA 8260B	3/11/2005	1	Hexachlorobutadiene	2	ug/L	N	U	0.27	2
MW-NASB-TB09-10	AH02072	NA	EPA 8260B	3/11/2005	1	Isopropylbenzene	2	ug/L	N	U	0.13	2
MW-NASB-TB09-10	AH02072	NA	EPA 8260B	3/11/2005	1	m,p-Xylene	1	ug/L	N	UJ	0.25	1
MW-NASB-TB09-10	AH02072	NA	EPA 8260B	3/11/2005	1	Methyl isobutyl ketone	10	ug/L	N	U	0.17	10
MW-NASB-TB09-10	AH02072	NA	EPA 8260B	3/11/2005	1	Methylene Chloride	5	ug/L	N	UJ	1.05	5
MW-NASB-TB09-10	AH02072	NA	EPA 8260B	3/11/2005	1	Naphthalene	2	ug/L	N	UJ	0.25	2
MW-NASB-TB09-10	AH02072	NA	EPA 8260B	3/11/2005	1	n-Butylbenzene	2	ug/L	N	U	0.37	2
MW-NASB-TB09-10	AH02072	NA	EPA 8260B	3/11/2005	1	n-Propylbenzene	2	ug/L	N	U	0.15	2
MW-NASB-TB09-10	AH02072	NA	EPA 8260B	3/11/2005	1	o-Xylene	1	ug/L	N	UJ	0.19	1
MW-NASB-TB09-10	AH02072	NA	EPA 8260B	3/11/2005	1	sec-Butylbenzene	2	ug/L	N	U	0.14	2
MW-NASB-TB09-10	AH02072	NA	EPA 8260B	3/11/2005	1	Styrene	2	ug/L	N	U	0.15	2
MW-NASB-TB09-10	AH02072	NA	EPA 8260B	3/11/2005	1	t-Butyl-Methyl Ether	1	ug/L	N	UJ	0.32	1
MW-NASB-TB09-10	AH02072	NA	EPA 8260B	3/11/2005	1	tert-Butanol (TBA)	20	ug/L	N	R	0	20
MW-NASB-TB09-10	AH02072	NA	EPA 8260B	3/11/2005	1	tert-Butylbenzene	2	ug/L	N	U	0.27	2
MW-NASB-TB09-10	AH02072	NA	EPA 8260B	3/11/2005	1	Tetrachloroethene	2	ug/L	N	U	0.55	2
MW-NASB-TB09-10	AH02072	NA	EPA 8260B	3/11/2005	1	Tetrahydrofuran	5	ug/L	N	R	2.16	5
MW-NASB-TB09-10	AH02072	NA	EPA 8260B	3/11/2005	1	Toluene	1	ug/L	N	U	0.15	1
MW-NASB-TB09-10	AH02072	NA	EPA 8260B	3/11/2005	1	trans-1,2-Dichloroethene	2	ug/L	N	U	0.25	2
MW-NASB-TB09-10	AH02072	NA	EPA 8260B	3/11/2005	1	trans-1,3-Dichloropropene	2	ug/L	N	UJ	0.64	2

Sample Name	NE Lab ID	ATL Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Detect Flag	Qualifier	MDL	RDL
MW-NASB-TB09-10	AH02072	NA	EPA 8260B	3/11/2005	1	Trichloroethene	2	ug/L	N	U	0.28	2
MW-NASB-TB09-10	AH02072	NA	EPA 8260B	3/11/2005	1	Trichlorofluoromethane	2	ug/L	N	U	0.41	2
MW-NASB-TB09-10	AH02072	NA	EPA 8260B	3/11/2005	1	Vinyl Chloride	2	ug/L	N	U	0.43	2
MW-NASB-208BR	AH02089	NA	EPA 8260B	3/14/2005	1	1,1,1,2-Tetrachloroethane	2	ug/L	N	U	0.14	2
MW-NASB-208BR	AH02089	NA	EPA 8260B	3/14/2005	1	1,1,1-Trichloroethane	2	ug/L	N	U	0.29	2
MW-NASB-208BR	AH02089	NA	EPA 8260B	3/14/2005	1	1,1,2,2-Tetrachloroethane	2	ug/L	N	U	0.39	2
MW-NASB-208BR	AH02089	NA	EPA 8260B	3/14/2005	1	1,1,2-Trichloroethane	2	ug/L	N	U	0.2	2
MW-NASB-208BR	AH02089	NA	EPA 8260B	3/14/2005	1	1,1-Dichloroethane	2	ug/L	N	U	0.28	2
MW-NASB-208BR	AH02089	NA	EPA 8260B	3/14/2005	1	1,1-Dichloroethene	2	ug/L	N	U	0.32	2
MW-NASB-208BR	AH02089	NA	EPA 8260B	3/14/2005	1	1,1-Dichloropropene	2	ug/L	N	U	0.23	2
MW-NASB-208BR	AH02089	NA	EPA 8260B	3/14/2005	1	1,2,3-Trichlorobenzene	2	ug/L	N	U	0.19	2
MW-NASB-208BR	AH02089	NA	EPA 8260B	3/14/2005	1	1,2,3-Trichloropropane	2	ug/L	N	U	0.48	2
MW-NASB-208BR	AH02089	NA	EPA 8260B	3/14/2005	1	1,2,4-Trichlorobenzene	2	ug/L	N	U	0.25	2
MW-NASB-208BR	AH02089	NA	EPA 8260B	3/14/2005	1	1,2,4-Trimethylbenzene	2	ug/L	N	U	0.1	2
MW-NASB-208BR	AH02089	NA	EPA 8260B	3/14/2005	1	1,2-Dibromo-3-Chloropropane	2	ug/L	N	UJ	1.2	2
MW-NASB-208BR	AH02089	NA	EPA 8260B	3/14/2005	1	1,2-Dibromoethane	2	ug/L	N	U	0.46	2
MW-NASB-208BR	AH02089	NA	EPA 8260B	3/14/2005	1	1,2-Dichlorobenzene	2	ug/L	N	UJ	0.34	2
MW-NASB-208BR	AH02089	NA	EPA 8260B	3/14/2005	1	1,2-Dichloroethane	2	ug/L	N	U	0.46	2
MW-NASB-208BR	AH02089	NA	EPA 8260B	3/14/2005	1	1,2-Dichloropropane	2	ug/L	N	U	0.1	2
MW-NASB-208BR	AH02089	NA	EPA 8260B	3/14/2005	1	1,3,5-Trimethylbenzene	2	ug/L	N	U	0.15	2
MW-NASB-208BR	AH02089	NA	EPA 8260B	3/14/2005	1	1,3-Dichlorobenzene	2	ug/L	N	U	0.17	2
MW-NASB-208BR	AH02089	NA	EPA 8260B	3/14/2005	1	1,3-Dichloropropane	2	ug/L	N	U	0.35	2
MW-NASB-208BR	AH02089	NA	EPA 8260B	3/14/2005	1	1,4-Dichlorobenzene	2	ug/L	N	U	0.23	2
MW-NASB-208BR	AH02089	NA	EPA 8260B	3/14/2005	1	2,2-Dichloropropane	2	ug/L	N	UJ	0.16	2
MW-NASB-208BR	AH02089	NA	EPA 8260B	3/14/2005	1	2-Butanone	10	ug/L	N	U	0.42	10
MW-NASB-208BR	AH02089	NA	EPA 8260B	3/14/2005	1	2-Chlorotoluene	2	ug/L	N	U	0.19	2
MW-NASB-208BR	AH02089	NA	EPA 8260B	3/14/2005	1	2-Hexanone	10	ug/L	N	R	2.42	10
MW-NASB-208BR	AH02089	NA	EPA 8260B	3/14/2005	1	2-Methoxy-2-Methylbutane (TAME)	2	ug/L	N	U	0.46	2
MW-NASB-208BR	AH02089	NA	EPA 8260B	3/14/2005	1	4-Chlorotoluene	2	ug/L	N	U	0.13	2
MW-NASB-208BR	AH02089	NA	EPA 8260B	3/14/2005	1	4-Isopropyltoluene	2	ug/L	N	U	0.11	2
MW-NASB-208BR	AH02089	NA	EPA 8260B	3/14/2005	1	Acetone	10	ug/L	N	UJ	4.14	10
MW-NASB-208BR	AH02089	NA	EPA 310.1	3/14/2005	1	Alkalinity, Titrimetic	200	mg/L	Y		0.35	1
MW-NASB-208BR	AH02089	NA	EPA 8260B	3/14/2005	1	Benzene	1	ug/L	N	U	0.26	1
MW-NASB-208BR	AH02089	NA	EPA 8260B	3/14/2005	1	Bromobenzene	2	ug/L	N	U	0.18	2
MW-NASB-208BR	AH02089	NA	EPA 8260B	3/14/2005	1	Bromochloromethane	2	ug/L	N	U	0.62	2
MW-NASB-208BR	AH02089	NA	EPA 8260B	3/14/2005	1	Bromodichloromethane	2	ug/L	N	U	0.22	2
MW-NASB-208BR	AH02089	NA	EPA 8260B	3/14/2005	1	Bromoform	2	ug/L	N	U	0.37	2
MW-NASB-208BR	AH02089	NA	EPA 8260B	3/14/2005	1	Bromomethane	2	ug/L	N	UJ	0.52	2
MW-NASB-208BR	AH02089	NA	EPA 8260B	3/14/2005	1	Carbon Disulfide	2	ug/L	N	U	0.27	2
MW-NASB-208BR	AH02089	NA	EPA 8260B	3/14/2005	1	Carbon Tetrachloride	2	ug/L	N	U	0.27	2
MW-NASB-208BR	AH02089	NA	EPA 8260B	3/14/2005	1	Chlorobenzene	2	ug/L	N	U	0.18	2
MW-NASB-208BR	AH02089	NA	EPA 8260B	3/14/2005	1	Chloroethane	2	ug/L	N	U	1.52	2
MW-NASB-208BR	AH02089	NA	EPA 8260B	3/14/2005	1	Chloroform	2	ug/L	N	U	0.42	2
MW-NASB-208BR	AH02089	NA	EPA 8260B	3/14/2005	1	Chloromethane	2	ug/L	N	U	0.38	2
MW-NASB-208BR	AH02089	NA	EPA 8260B	3/14/2005	1	cis-1,2-Dichloroethene	2	ug/L	N	U	0.55	2
MW-NASB-208BR	AH02089	NA	EPA 8260B	3/14/2005	1	cis-1,3-Dichloropropene	2	ug/L	N	U	0.13	2
MW-NASB-208BR	AH02089	NA	EPA 8260B	3/14/2005	1	Dibromochloromethane	2	ug/L	N	U	0.32	2

Sample Name	NE Lab ID	ATL Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Detect Flag	Qualifier	MDL	RDL
MW-NASB-208BR	AH02089	NA	EPA 8260B	3/14/2005	1	Dibromomethane	2	ug/L	N	U	0.36	2
MW-NASB-208BR	AH02089	NA	EPA 8260B	3/14/2005	1	Dichlorodifluoromethane	12	ug/L	Y		0.51	2
MW-NASB-208BR	AH02089	NA	MEDEP 4.1.25	3/14/2005	1	Diesel Range Organics	50	ug/L	N	UJ	4.2	50
MW-NASB-208BR	AH02089	NA	EPA 8260B	3/14/2005	1	Diethyl Ether	2	ug/L	N	U	4.23	2
MW-NASB-208BR	AH02089	NA	EPA 8260B	3/14/2005	1	Diisopropyl ether (DIPE)	2	ug/L	N	U	0.14	2
MW-NASB-208BR	AH02089	NA	EPA 8260B	3/14/2005	1	Ethylbenzene	1	ug/L	N	U	0.15	1
MW-NASB-208BR	AH02089	NA	EPA 8260B	3/14/2005	1	Ethyl-t-butyl-ether (ETBE)	2	ug/L	N	U	0.14	2
MW-NASB-208BR	AH02089	NA	SM 3500 Fe D	3/14/2005	1	Ferrous Iron	15000	ug/L	Y		0	25
MW-NASB-208BR	AH02089	NA	EPA 8260B	3/14/2005	1	Hexachlorobutadiene	2	ug/L	N	U	0.27	2
MW-NASB-208BR	AH02089	NA	EPA 8260B	3/14/2005	1	Isopropylbenzene	2	ug/L	N	U	0.13	2
MW-NASB-208BR	AH02089	NA	EPA 8260B	3/14/2005	1	m,p-Xylene	1	ug/L	N	U	0.25	1
MW-NASB-208BR	AH02089	NA	EPA 8260B	3/14/2005	1	Methyl isobutyl ketone	10	ug/L	N	U	0.17	10
MW-NASB-208BR	AH02089	NA	EPA 8260B	3/14/2005	1	Methylene Chloride	5	ug/L	N	UJ	1.05	5
MW-NASB-208BR	AH02089	NA	EPA 8260B	3/14/2005	1	Naphthalene	2	ug/L	N	UJ	0.25	2
MW-NASB-208BR	AH02089	NA	EPA 8260B	3/14/2005	1	n-Butylbenzene	2	ug/L	N	U	0.37	2
MW-NASB-208BR	AH02089	NA	EPA 353.2	3/14/2005	1	Nitrate-N	0.1	mg/L	N	U	0.025	0.1
MW-NASB-208BR	AH02089	NA	EPA 8260B	3/14/2005	1	n-Propylbenzene	2	ug/L	N	U	0.15	2
MW-NASB-208BR	AH02089	NA	EPA 8260B	3/14/2005	1	o-Xylene	1	ug/L	N	U	0.19	1
MW-NASB-208BR	AH02089	NA	EPA 8260B	3/14/2005	1	sec-Butylbenzene	2	ug/L	N	U	0.14	2
MW-NASB-208BR	AH02089	NA	EPA 8260B	3/14/2005	1	Styrene	2	ug/L	N	U	0.15	2
MW-NASB-208BR	AH02089	NA	EPA 9056	3/14/2005	1	Sulfate	1	mg/L	N		310	1
MW-NASB-208BR	AH02089	NA	EPA 8260B	3/14/2005	1	t-Butyl-Methyl Ether	1	ug/L	N	U	0.32	1
MW-NASB-208BR	AH02089	NA	EPA 8260B	3/14/2005	1	tert-Butanol (TBA)	20	ug/L	N	R	0	20
MW-NASB-208BR	AH02089	NA	EPA 8260B	3/14/2005	1	tert-Butylbenzene	2	ug/L	N	U	0.27	2
MW-NASB-208BR	AH02089	NA	EPA 8260B	3/14/2005	1	Tetrachloroethene	2	ug/L	N	U	0.55	2
MW-NASB-208BR	AH02089	NA	EPA 8260B	3/14/2005	1	Tetrahydrofuran	5	ug/L	N	R	2.16	5
MW-NASB-208BR	AH02089	NA	EPA 8260B	3/14/2005	1	Toluene	1	ug/L	N	U	0.15	1
MW-NASB-208BR	AH02089	NA	EPA 415.1	3/14/2005	1	Total Organic Carbon	2.7	mg/L	Y		0.343	1
MW-NASB-208BR	AH02089	NA	EPA 8260B	3/14/2005	1	trans-1,2-Dichloroethene	2	ug/L	N	U	0.25	2
MW-NASB-208BR	AH02089	NA	EPA 8260B	3/14/2005	1	trans-1,3-Dichloropropene	2	ug/L	N	U	0.64	2
MW-NASB-208BR	AH02089	NA	EPA 8260B	3/14/2005	1	Trichloroethene	2	ug/L	N	U	0.28	2
MW-NASB-208BR	AH02089	NA	EPA 8260B	3/14/2005	1	Trichlorofluoromethane	2	ug/L	N	U	0.41	2
MW-NASB-208BR	AH02089	NA	EPA 8260B	3/14/2005	1	Vinyl Chloride	2	ug/L	N	U	0.43	2
ONFF-Rinsate Blank	AH02090	NA	EPA 8260B	3/14/2005	1	1,1,1,2-Tetrachloroethane	2	ug/L	N	U	0.14	2
ONFF-Rinsate Blank	AH02090	NA	EPA 8260B	3/14/2005	1	1,1,1-Trichloroethane	2	ug/L	N	U	0.29	2
ONFF-Rinsate Blank	AH02090	NA	EPA 8260B	3/14/2005	1	1,1,2,2-Tetrachloroethane	2	ug/L	N	U	0.39	2
ONFF-Rinsate Blank	AH02090	NA	EPA 8260B	3/14/2005	1	1,1,2-Trichloroethane	2	ug/L	N	U	0.2	2
ONFF-Rinsate Blank	AH02090	NA	EPA 8260B	3/14/2005	1	1,1-Dichloroethane	2	ug/L	N	U	0.28	2
ONFF-Rinsate Blank	AH02090	NA	EPA 8260B	3/14/2005	1	1,1-Dichloroethene	2	ug/L	N	U	0.32	2
ONFF-Rinsate Blank	AH02090	NA	EPA 8260B	3/14/2005	1	1,1-Dichloropropene	2	ug/L	N	U	0.23	2
ONFF-Rinsate Blank	AH02090	NA	EPA 8260B	3/14/2005	1	1,2,3-Trichlorobenzene	2	ug/L	N	U	0.19	2
ONFF-Rinsate Blank	AH02090	NA	EPA 8260B	3/14/2005	1	1,2,3-Trichloropropane	2	ug/L	N	U	0.48	2
ONFF-Rinsate Blank	AH02090	NA	EPA 8260B	3/14/2005	1	1,2,4-Trichlorobenzene	2	ug/L	N	U	0.25	2
ONFF-Rinsate Blank	AH02090	NA	EPA 8260B	3/14/2005	1	1,2,4-Trimethylbenzene	2	ug/L	N	U	0.1	2
ONFF-Rinsate Blank	AH02090	NA	EPA 8260B	3/14/2005	1	1,2-Dibromo-3-Chloropropane	2	ug/L	N	UJ	1.2	2
ONFF-Rinsate Blank	AH02090	NA	EPA 8260B	3/14/2005	1	1,2-Dibromoethane	2	ug/L	N	U	0.46	2
ONFF-Rinsate Blank	AH02090	NA	EPA 8260B	3/14/2005	1	1,2-Dichlorobenzene	2	ug/L	N	UJ	0.34	2

Sample Name	NE Lab ID	ATL Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Detect Flag	Qualifier	MDL	RDL
ONFF-Rinsate Blank	AH02090	NA	EPA 8260B	3/14/2005	1	1,2-Dichloroethane	2	ug/L	N	U	0.46	2
ONFF-Rinsate Blank	AH02090	NA	EPA 8260B	3/14/2005	1	1,2-Dichloropropane	2	ug/L	N	U	0.1	2
ONFF-Rinsate Blank	AH02090	NA	EPA 8260B	3/14/2005	1	1,3,5-Trimethylbenzene	2	ug/L	N	U	0.15	2
ONFF-Rinsate Blank	AH02090	NA	EPA 8260B	3/14/2005	1	1,3-Dichlorobenzene	2	ug/L	N	U	0.17	2
ONFF-Rinsate Blank	AH02090	NA	EPA 8260B	3/14/2005	1	1,3-Dichloropropane	2	ug/L	N	U	0.35	2
ONFF-Rinsate Blank	AH02090	NA	EPA 8260B	3/14/2005	1	1,4-Dichlorobenzene	2	ug/L	N	U	0.23	2
ONFF-Rinsate Blank	AH02090	NA	EPA 8260B	3/14/2005	1	2,2-Dichloropropane	2	ug/L	N	UJ	0.16	2
ONFF-Rinsate Blank	AH02090	NA	EPA 8260B	3/14/2005	1	2-Butanone	10	ug/L	N	U	0.42	10
ONFF-Rinsate Blank	AH02090	NA	EPA 8260B	3/14/2005	1	2-Chlorotoluene	2	ug/L	N	U	0.19	2
ONFF-Rinsate Blank	AH02090	NA	EPA 8260B	3/14/2005	1	2-Hexanone	10	ug/L	N	R	2.42	10
ONFF-Rinsate Blank	AH02090	NA	EPA 8260B	3/14/2005	1	2-Methoxy-2-Methylbutane (TAME)	2	ug/L	N	U	0.46	2
ONFF-Rinsate Blank	AH02090	NA	EPA 8260B	3/14/2005	1	4-Chlorotoluene	2	ug/L	N	U	0.13	2
ONFF-Rinsate Blank	AH02090	NA	EPA 8260B	3/14/2005	1	4-Isopropyltoluene	2	ug/L	N	U	0.11	2
ONFF-Rinsate Blank	AH02090	NA	EPA 8260B	3/14/2005	1	Acetone	10	ug/L	N	UJ	4.14	10
ONFF-Rinsate Blank	AH02090	NA	EPA 8260B	3/14/2005	1	Benzene	1	ug/L	N	U	0.26	1
ONFF-Rinsate Blank	AH02090	NA	MEDEP 4.2.17	3/14/2005	1	Benzene	1	ug/L	N	U	0	1
ONFF-Rinsate Blank	AH02090	NA	EPA 8260B	3/14/2005	1	Bromobenzene	2	ug/L	N	U	0.18	2
ONFF-Rinsate Blank	AH02090	NA	EPA 8260B	3/14/2005	1	Bromochloromethane	2	ug/L	N	U	0.62	2
ONFF-Rinsate Blank	AH02090	NA	EPA 8260B	3/14/2005	1	Bromodichloromethane	2	ug/L	N	U	0.22	2
ONFF-Rinsate Blank	AH02090	NA	EPA 8260B	3/14/2005	1	Bromoform	2	ug/L	N	U	0.37	2
ONFF-Rinsate Blank	AH02090	NA	EPA 8260B	3/14/2005	1	Bromomethane	2	ug/L	N	UJ	0.52	2
ONFF-Rinsate Blank	AH02090	NA	EPA 8260B	3/14/2005	1	Carbon Disulfide	2	ug/L	N	U	0.27	2
ONFF-Rinsate Blank	AH02090	NA	EPA 8260B	3/14/2005	1	Carbon Tetrachloride	2	ug/L	N	U	0.27	2
ONFF-Rinsate Blank	AH02090	NA	EPA 8260B	3/14/2005	1	Chlorobenzene	2	ug/L	N	U	0.18	2
ONFF-Rinsate Blank	AH02090	NA	EPA 8260B	3/14/2005	1	Chloroethane	2	ug/L	N	U	1.52	2
ONFF-Rinsate Blank	AH02090	NA	EPA 8260B	3/14/2005	1	Chloroform	3.6	ug/L	Y		0.42	2
ONFF-Rinsate Blank	AH02090	NA	EPA 8260B	3/14/2005	1	Chloromethane	2	ug/L	N	U	0.38	2
ONFF-Rinsate Blank	AH02090	NA	EPA 8260B	3/14/2005	1	cis-1,2-Dichloroethene	2	ug/L	N	U	0.55	2
ONFF-Rinsate Blank	AH02090	NA	EPA 8260B	3/14/2005	1	cis-1,3-Dichloropropene	2	ug/L	N	U	0.13	2
ONFF-Rinsate Blank	AH02090	NA	EPA 8260B	3/14/2005	1	Dibromochloromethane	2	ug/L	N	U	0.32	2
ONFF-Rinsate Blank	AH02090	NA	EPA 8260B	3/14/2005	1	Dibromomethane	2	ug/L	N	U	0.36	2
ONFF-Rinsate Blank	AH02090	NA	EPA 8260B	3/14/2005	1	Dichlorodifluoromethane	2	ug/L	N	U	0.51	2
ONFF-Rinsate Blank	AH02090	NA	MEDEP 4.1.25	3/14/2005	1	Diesel Range Organics	50	ug/L	N	UJ	4.2	50
ONFF-Rinsate Blank	AH02090	NA	EPA 8260B	3/14/2005	1	Diethyl Ether	2	ug/L	N	U	4.23	2
ONFF-Rinsate Blank	AH02090	NA	EPA 8260B	3/14/2005	1	Diisopropyl ether (DIPE)	2	ug/L	N	U	0.14	2
ONFF-Rinsate Blank	AH02090	NA	MEDEP 4.2.17	3/14/2005	1	Ethyl benzene	1	ug/L	N	U	0	1
ONFF-Rinsate Blank	AH02090	NA	EPA 8260B	3/14/2005	1	Ethylbenzene	1	ug/L	N	U	0.15	1
ONFF-Rinsate Blank	AH02090	NA	EPA 8260B	3/14/2005	1	Ethyl-t-butyl-ether (ETBE)	2	ug/L	N	U	0.14	2
ONFF-Rinsate Blank	AH02090	NA	MEDEP 4.2.17	3/14/2005	1	GROAQ	10	ug/L	N	U	2.94	10
ONFF-Rinsate Blank	AH02090	NA	EPA 8260B	3/14/2005	1	Hexachlorobutadiene	2	ug/L	N	U	0.27	2
ONFF-Rinsate Blank	AH02090	NA	EPA 8260B	3/14/2005	1	Isopropylbenzene	2	ug/L	N	U	0.13	2
ONFF-Rinsate Blank	AH02090	NA	EPA 8260B	3/14/2005	1	m,p-Xylene	1	ug/L	N	U	0.25	1
ONFF-Rinsate Blank	AH02090	NA	EPA 8260B	3/14/2005	1	Methyl isobutyl ketone	10	ug/L	N	U	0.17	10
ONFF-Rinsate Blank	AH02090	NA	EPA 8260B	3/14/2005	1	Methylene Chloride	5	ug/L	N	UJ	1.05	5
ONFF-Rinsate Blank	AH02090	NA	MEDEP 4.2.17	3/14/2005	1	MTBE (Methyl-t-Butyl Ether)	2	ug/L	N	U	0	2
ONFF-Rinsate Blank	AH02090	NA	EPA 8260B	3/14/2005	1	Naphthalene	2	ug/L	N	UJ	0.25	2
ONFF-Rinsate Blank	AH02090	NA	EPA 8260B	3/14/2005	1	n-Butylbenzene	2	ug/L	N	U	0.37	2

Sample Name	NE Lab ID	ATL Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Detect Flag	Qualifier	MDL	RDL
ONFF-Rinsate Blank	AH02090	NA	EPA 8260B	3/14/2005	1	n-Propylbenzene	2	ug/L	N	U	0.15	2
ONFF-Rinsate Blank	AH02090	NA	EPA 8260B	3/14/2005	1	o-Xylene	1	ug/L	N	U	0.19	1
ONFF-Rinsate Blank	AH02090	NA	EPA 8260B	3/14/2005	1	sec-Butylbenzene	2	ug/L	N	U	0.14	2
ONFF-Rinsate Blank	AH02090	NA	EPA 8260B	3/14/2005	1	Styrene	2	ug/L	N	U	0.15	2
ONFF-Rinsate Blank	AH02090	NA	EPA 8260B	3/14/2005	1	t-Butyl-Methyl Ether	1	ug/L	N	U	0.32	1
ONFF-Rinsate Blank	AH02090	NA	EPA 8260B	3/14/2005	1	tert-Butanol (TBA)	20	ug/L	N	R	0	20
ONFF-Rinsate Blank	AH02090	NA	EPA 8260B	3/14/2005	1	tert-Butylbenzene	2	ug/L	N	U	0.27	2
ONFF-Rinsate Blank	AH02090	NA	EPA 8260B	3/14/2005	1	Tetrachloroethene	2	ug/L	N	U	0.55	2
ONFF-Rinsate Blank	AH02090	NA	EPA 8260B	3/14/2005	1	Tetrahydrofuran	5	ug/L	N	R	2.16	5
ONFF-Rinsate Blank	AH02090	NA	EPA 8260B	3/14/2005	1	Toluene	1	ug/L	N	U	0.15	1
ONFF-Rinsate Blank	AH02090	NA	MEDEP 4.2.17	3/14/2005	1	Toluene	1	ug/L	N	U	0	1
ONFF-Rinsate Blank	AH02090	NA	MEDEP 4.2.17	3/14/2005	1	Total xylenes	1	ug/L	N	U	0	1
ONFF-Rinsate Blank	AH02090	NA	EPA 8260B	3/14/2005	1	trans-1,2-Dichloroethene	2	ug/L	N	U	0.25	2
ONFF-Rinsate Blank	AH02090	NA	EPA 8260B	3/14/2005	1	trans-1,3-Dichloropropene	2	ug/L	N	U	0.64	2
ONFF-Rinsate Blank	AH02090	NA	EPA 8260B	3/14/2005	1	Trichloroethene	2	ug/L	N	U	0.28	2
ONFF-Rinsate Blank	AH02090	NA	EPA 8260B	3/14/2005	1	Trichlorofluoromethane	2	ug/L	N	U	0.41	2
ONFF-Rinsate Blank	AH02090	NA	EPA 8260B	3/14/2005	1	Vinyl Chloride	2	ug/L	N	U	0.43	2
MW-NASB-TB11-13	AH02091	NA	EPA 8260B	3/14/2005	1	1,1,1,2-Tetrachloroethane	2	ug/L	N	U	0.14	2
MW-NASB-TB11-13	AH02091	NA	EPA 8260B	3/14/2005	1	1,1,1-Trichloroethane	2	ug/L	N	U	0.29	2
MW-NASB-TB11-13	AH02091	NA	EPA 8260B	3/14/2005	1	1,1,2,2-Tetrachloroethane	2	ug/L	N	U	0.39	2
MW-NASB-TB11-13	AH02091	NA	EPA 8260B	3/14/2005	1	1,1,2-Trichloroethane	2	ug/L	N	U	0.2	2
MW-NASB-TB11-13	AH02091	NA	EPA 8260B	3/14/2005	1	1,1-Dichloroethane	2	ug/L	N	U	0.28	2
MW-NASB-TB11-13	AH02091	NA	EPA 8260B	3/14/2005	1	1,1-Dichloroethene	2	ug/L	N	U	0.32	2
MW-NASB-TB11-13	AH02091	NA	EPA 8260B	3/14/2005	1	1,1-Dichloropropene	2	ug/L	N	U	0.23	2
MW-NASB-TB11-13	AH02091	NA	EPA 8260B	3/14/2005	1	1,2,3-Trichlorobenzene	2	ug/L	N	U	0.19	2
MW-NASB-TB11-13	AH02091	NA	EPA 8260B	3/14/2005	1	1,2,3-Trichloropropane	2	ug/L	N	U	0.48	2
MW-NASB-TB11-13	AH02091	NA	EPA 8260B	3/14/2005	1	1,2,4-Trichlorobenzene	2	ug/L	N	U	0.25	2
MW-NASB-TB11-13	AH02091	NA	EPA 8260B	3/14/2005	1	1,2,4-Trimethylbenzene	2	ug/L	N	U	0.1	2
MW-NASB-TB11-13	AH02091	NA	EPA 8260B	3/14/2005	1	1,2-Dibromo-3-Chloropropane	2	ug/L	N	UJ	1.2	2
MW-NASB-TB11-13	AH02091	NA	EPA 8260B	3/14/2005	1	1,2-Dibromoethane	2	ug/L	N	U	0.46	2
MW-NASB-TB11-13	AH02091	NA	EPA 8260B	3/14/2005	1	1,2-Dichlorobenzene	2	ug/L	N	UJ	0.34	2
MW-NASB-TB11-13	AH02091	NA	EPA 8260B	3/14/2005	1	1,2-Dichloroethane	2	ug/L	N	U	0.46	2
MW-NASB-TB11-13	AH02091	NA	EPA 8260B	3/14/2005	1	1,2-Dichloropropane	2	ug/L	N	U	0.1	2
MW-NASB-TB11-13	AH02091	NA	EPA 8260B	3/14/2005	1	1,3,5-Trimethylbenzene	2	ug/L	N	U	0.15	2
MW-NASB-TB11-13	AH02091	NA	EPA 8260B	3/14/2005	1	1,3-Dichlorobenzene	2	ug/L	N	U	0.17	2
MW-NASB-TB11-13	AH02091	NA	EPA 8260B	3/14/2005	1	1,3-Dichloropropane	2	ug/L	N	U	0.35	2
MW-NASB-TB11-13	AH02091	NA	EPA 8260B	3/14/2005	1	1,4-Dichlorobenzene	2	ug/L	N	U	0.23	2
MW-NASB-TB11-13	AH02091	NA	EPA 8260B	3/14/2005	1	2,2-Dichloropropane	2	ug/L	N	UJ	0.16	2
MW-NASB-TB11-13	AH02091	NA	EPA 8260B	3/14/2005	1	2-Butanone	10	ug/L	N	U	0.42	10
MW-NASB-TB11-13	AH02091	NA	EPA 8260B	3/14/2005	1	2-Chlorotoluene	2	ug/L	N	U	0.19	2
MW-NASB-TB11-13	AH02091	NA	EPA 8260B	3/14/2005	1	2-Hexanone	10	ug/L	N	R	2.42	10
MW-NASB-TB11-13	AH02091	NA	EPA 8260B	3/14/2005	1	2-Methoxy-2-Methylbutane (TAME)	2	ug/L	N	U	0.46	2
MW-NASB-TB11-13	AH02091	NA	EPA 8260B	3/14/2005	1	4-Chlorotoluene	2	ug/L	N	U	0.13	2
MW-NASB-TB11-13	AH02091	NA	EPA 8260B	3/14/2005	1	4-Isopropyltoluene	2	ug/L	N	U	0.11	2
MW-NASB-TB11-13	AH02091	NA	EPA 8260B	3/14/2005	1	Acetone	10	ug/L	N	UJ	4.14	10
MW-NASB-TB11-13	AH02091	NA	MEDEP 4.2.17	3/14/2005	1	Benzene	1	ug/L	N	U	0	1
MW-NASB-TB11-13	AH02091	NA	EPA 8260B	3/14/2005	1	Benzene	1	ug/L	N	U	0.26	1

Sample Name	NE Lab ID	ATL Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Detect Flag	Qualifier	MDL	RDL
MW-NASB-TB11-13	AH02091	NA	EPA 8260B	3/14/2005	1	Bromobenzene	2	ug/L	N	U	0.18	2
MW-NASB-TB11-13	AH02091	NA	EPA 8260B	3/14/2005	1	Bromochloromethane	2	ug/L	N	U	0.62	2
MW-NASB-TB11-13	AH02091	NA	EPA 8260B	3/14/2005	1	Bromodichloromethane	2	ug/L	N	U	0.22	2
MW-NASB-TB11-13	AH02091	NA	EPA 8260B	3/14/2005	1	Bromoform	2	ug/L	N	U	0.37	2
MW-NASB-TB11-13	AH02091	NA	EPA 8260B	3/14/2005	1	Bromomethane	2	ug/L	N	UJ	0.52	2
MW-NASB-TB11-13	AH02091	NA	EPA 8260B	3/14/2005	1	Carbon Disulfide	2	ug/L	N	U	0.27	2
MW-NASB-TB11-13	AH02091	NA	EPA 8260B	3/14/2005	1	Carbon Tetrachloride	2	ug/L	N	U	0.27	2
MW-NASB-TB11-13	AH02091	NA	EPA 8260B	3/14/2005	1	Chlorobenzene	2	ug/L	N	U	0.18	2
MW-NASB-TB11-13	AH02091	NA	EPA 8260B	3/14/2005	1	Chloroethane	2	ug/L	N	U	1.52	2
MW-NASB-TB11-13	AH02091	NA	EPA 8260B	3/14/2005	1	Chloroform	2	ug/L	N	U	0.42	2
MW-NASB-TB11-13	AH02091	NA	EPA 8260B	3/14/2005	1	Chloromethane	2	ug/L	N	U	0.38	2
MW-NASB-TB11-13	AH02091	NA	EPA 8260B	3/14/2005	1	cis-1,2-Dichloroethene	2	ug/L	N	U	0.55	2
MW-NASB-TB11-13	AH02091	NA	EPA 8260B	3/14/2005	1	cis-1,3-Dichloropropene	2	ug/L	N	U	0.13	2
MW-NASB-TB11-13	AH02091	NA	EPA 8260B	3/14/2005	1	Dibromochloromethane	2	ug/L	N	U	0.32	2
MW-NASB-TB11-13	AH02091	NA	EPA 8260B	3/14/2005	1	Dibromomethane	2	ug/L	N	U	0.36	2
MW-NASB-TB11-13	AH02091	NA	EPA 8260B	3/14/2005	1	Dichlorodifluoromethane	2	ug/L	N	U	0.51	2
MW-NASB-TB11-13	AH02091	NA	EPA 8260B	3/14/2005	1	Diethyl Ether	2	ug/L	N	U	4.23	2
MW-NASB-TB11-13	AH02091	NA	EPA 8260B	3/14/2005	1	Diisopropyl ether (DIPE)	2	ug/L	N	U	0.14	2
MW-NASB-TB11-13	AH02091	NA	MEDEP 4.2.17	3/14/2005	1	Ethyl benzene	1	ug/L	N	U	0	1
MW-NASB-TB11-13	AH02091	NA	EPA 8260B	3/14/2005	1	Ethylbenzene	1	ug/L	N	U	0.15	1
MW-NASB-TB11-13	AH02091	NA	EPA 8260B	3/14/2005	1	Ethyl-t-butyl-ether (ETBE)	2	ug/L	N	U	0.14	2
MW-NASB-TB11-13	AH02091	NA	MEDEP 4.2.17	3/14/2005	1	GROAQ	10	ug/L	N	U	2.94	10
MW-NASB-TB11-13	AH02091	NA	EPA 8260B	3/14/2005	1	Hexachlorobutadiene	2	ug/L	N	U	0.27	2
MW-NASB-TB11-13	AH02091	NA	EPA 8260B	3/14/2005	1	Isopropylbenzene	2	ug/L	N	U	0.13	2
MW-NASB-TB11-13	AH02091	NA	EPA 8260B	3/14/2005	1	m,p-Xylene	1	ug/L	N	U	0.25	1
MW-NASB-TB11-13	AH02091	NA	EPA 8260B	3/14/2005	1	Methyl isobutyl ketone	10	ug/L	N	U	0.17	10
MW-NASB-TB11-13	AH02091	NA	EPA 8260B	3/14/2005	1	Methylene Chloride	5	ug/L	N	UJ	1.05	5
MW-NASB-TB11-13	AH02091	NA	MEDEP 4.2.17	3/14/2005	1	MTBE (Methyl-t-Butyl Ether)	2	ug/L	N	U	0	2
MW-NASB-TB11-13	AH02091	NA	EPA 8260B	3/14/2005	1	Naphthalene	2	ug/L	N	UJ	0.25	2
MW-NASB-TB11-13	AH02091	NA	EPA 8260B	3/14/2005	1	n-Butylbenzene	2	ug/L	N	U	0.37	2
MW-NASB-TB11-13	AH02091	NA	EPA 8260B	3/14/2005	1	n-Propylbenzene	2	ug/L	N	U	0.15	2
MW-NASB-TB11-13	AH02091	NA	EPA 8260B	3/14/2005	1	o-Xylene	1	ug/L	N	U	0.19	1
MW-NASB-TB11-13	AH02091	NA	EPA 8260B	3/14/2005	1	sec-Butylbenzene	2	ug/L	N	U	0.14	2
MW-NASB-TB11-13	AH02091	NA	EPA 8260B	3/14/2005	1	Styrene	2	ug/L	N	U	0.15	2
MW-NASB-TB11-13	AH02091	NA	EPA 8260B	3/14/2005	1	t-Butyl-Methyl Ether	1	ug/L	N	U	0.32	1
MW-NASB-TB11-13	AH02091	NA	EPA 8260B	3/14/2005	1	tert-Butanol (TBA)	20	ug/L	N	R	0	20
MW-NASB-TB11-13	AH02091	NA	EPA 8260B	3/14/2005	1	tert-Butylbenzene	2	ug/L	N	U	0.27	2
MW-NASB-TB11-13	AH02091	NA	EPA 8260B	3/14/2005	1	Tetrachloroethene	2	ug/L	N	U	0.55	2
MW-NASB-TB11-13	AH02091	NA	EPA 8260B	3/14/2005	1	Tetrahydrofuran	5	ug/L	N	R	2.16	5
MW-NASB-TB11-13	AH02091	NA	MEDEP 4.2.17	3/14/2005	1	Toluene	1	ug/L	N	U	0	1
MW-NASB-TB11-13	AH02091	NA	EPA 8260B	3/14/2005	1	Toluene	1	ug/L	N	U	0.15	1
MW-NASB-TB11-13	AH02091	NA	MEDEP 4.2.17	3/14/2005	1	Total xylenes	1	ug/L	N	U	0	1
MW-NASB-TB11-13	AH02091	NA	EPA 8260B	3/14/2005	1	trans-1,2-Dichloroethene	2	ug/L	N	U	0.25	2
MW-NASB-TB11-13	AH02091	NA	EPA 8260B	3/14/2005	1	trans-1,3-Dichloropropene	2	ug/L	N	U	0.64	2
MW-NASB-TB11-13	AH02091	NA	EPA 8260B	3/14/2005	1	Trichloroethene	2	ug/L	N	U	0.28	2
MW-NASB-TB11-13	AH02091	NA	EPA 8260B	3/14/2005	1	Trichlorofluoromethane	2	ug/L	N	U	0.41	2
MW-NASB-TB11-13	AH02091	NA	EPA 8260B	3/14/2005	1	Vinyl Chloride	2	ug/L	N	U	0.43	2

Sample Name	NE Lab ID	ATL Lab ID	Analytical Method	Sample Date	Dilution Factor	Analyte	Result	Unit	Detect Flag	Qualifier	MDL	RDL
MW-NASB-701	AH01972	0503251-01A	VSK-175	03/08/05	1	Methane	1.1	uG/mL	Y	J	0.0029	0.0050
MW-NASB-702	AH01973	0503251-02A	VSK-175	03/08/05	1	Methane	0.0050	uG/mL	N	R	0.0029	0.0050
MW-NASB-TB01-03	AH01974	0503251-03A	VSK-175	03/08/05	1	Methane	0.0050	uG/mL	N	R	0.0029	0.0050
MW-NASB-703	AH02009	0503251-04A	VSK-175	03/09/05	1	Methane	0.0050	uG/mL	N	R	0.0029	0.0050
MW-NASB-TB04-06	AH02010	0503251-05A	VSK-175	03/09/05	1	Methane	0.0050	uG/mL	N	R	0.0029	0.0050
MW-NASB-051	AH02048	0503251-06A	VSK-175	03/10/05	1	Methane	0.0099	uG/mL	Y	J	0.0029	0.0050
MW-NASB-207	AH02049	0503251-07A	VSK-175	03/10/05	1	Methane	0.0050	uG/mL	N	R	0.0029	0.0050
MW-NASB-062	AH02047	0503251-09A	VSK-175	03/10/05	1	Methane	0.0050	uG/mL	N	R	0.0029	0.0050
MW-NASB-TB07-08	AH02050	0503273-01A	VSK-175	03/10/05	1	Methane	0.0050	uG/mL	N	R	0.0029	0.0050
MW-NASB-208BR	AH02089	0503293-01A	VSK-175	03/14/05	1	Methane	1.0	uG/mL	Y		0.0029	0.0050
ONFF-Rinsate Blank	AH02090	0503293-02A	VSK-175	03/14/05	1	Methane	0.0050	uG/mL	N	U	0.0029	0.0050
MW-NASB-TB11-13	AH02091	0503293-03A	VSK-175	03/14/05	1	Methane	0.0050	uG/mL	N	U	0.0029	0.0050
MW-NASB-098	AH02068	0503293-04A	VSK-175	03/14/05	1	Methane	0.16	uG/mL	Y		0.0029	0.0050
MW-NASB-058	AH02069	0503293-05A	VSK-175	03/14/05	1	Methane	0.0050	uG/mL	N	U	0.0029	0.0050
MW-NASB-210	AH02070	0503293-06A	VSK-175	03/14/05	1	Methane	0.0050	uG/mL	N	U	0.0029	0.0050
MW-NASB-DUP1	AH02071	0503293-07A	VSK-175	03/14/05	1	Methane	0.21	uG/mL	Y		0.0029	0.0050
MW-NASB-TB09-10	AH02072	0503293-08A	VSK-175	03/14/05	1	Methane	0.0050	uG/mL	N	U	0.0029	0.0050

Field Duplicate Worksheet
SDG 033105 - NASB Brunswick Site Old Navy Fuel Farm
Sampling Round 10 - March 2005

Analyte	Field Sample	NE Lab ID	Field Sample Result	Field Sample Qualifier	Field Duplicate	Laboratory ID	Analyte	Field Duplicate Result (ug/L)	Field Duplicate Qualifier	Result Units	FD RPD (%)
t-Butyl-Methyl Ether	MW-NASB-98	AH02068	6.4		MW-NASB-DUP1	AH02071	t-Butyl-Methyl Ether	5.5		ug/l	15.13
Alkalinity, Titrimetic	MW-NASB-98	AH02068	24		MW-NASB-DUP1	AH02071	Alkalinity, Titrimetic	17		mg/L	34.15
Ferrous Iron	MW-NASB-98	AH02068	7400		MW-NASB-DUP1	AH02071	Ferrous Iron	7400		ug/L	0.00
Sulfate	MW-NASB-98	AH02068	11		MW-NASB-DUP1	AH02071	Sulfate	11		mg/L	0.00
Total Organic Carbon	MW-NASB-98	AH02068	3.2		MW-NASB-DUP1	AH02071	Total Organic Carbon	3.1		mg/L	3.17
Methane	MW-NASB-98	AH02068	0.16		MW-NASB-DUP1	AH02071	Methane	0.21		mg/L	27.03

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Section VII- Chain of Custody Records

CHAIN OF CUSTO

Accutest Job #:

Accutest Control #:

Client Information

Name: Environmental Chemical Corporation

Address: 50 D'Angelo Drive

City: Marlborough, MA State: 01752 Zip:

Send Report to: Jackson Kiker

Phone #: 508-229-2270

Facility Information

Project Name: Old Navy Fuel Farm

Location: NASB Brunswick, Maine

Project No.: ~~8.57~~

FAX #:

Analytical Information

Field ID / Point of Collection	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	Preservation HCL	MeCl+HCl	HNO3	H2So4	None	TCL VOC (BTEX + MTBE)	METHANE	TOTAL ORGANIC CARBON	Alkalinity, Sulfate, Nitrate	DRO	GRO	Ferrous Iron				
MW-NASB-701	3/8/05	11:40	DJC	GW	13	x	x		x	x	x	x	x	x	x	x	x		AM	01972	
MW-NASB-702	3/8/05	1435	DJC	GW	13	x	x		x	x	x	x	x	x	x	x	x			1973	
MW-NASB-TB01	3/8/05	8:00	DJC	W	2	X					X									1974	
MW-NASB-TB02	3/8/05	8:00	DJC	W	2	X						X									
MW-NASB-TB03	3/8/05	8:00	DJC	W	2	X										X					

Turnaround Information

- ☐ 21 Day Standard — Approved By:
- ☐ 14 Day
- ☐ 7 Days *EMERGENCY*
- ☐ Other _____ (Days)

RUSH TAT is for FAX data Data unless previously approved.

Data Deliverable Information

- ☐ NJ Reduced
- ☐ NJ Full
- ☐ FULL CLP
- ☐ Disk Deliverable
- ☐ Other (Specify) _____
- ☐ Commercial "A"
- ☐ Commercial "B"
- ☐ ASP Category B
- ☐ State Forms

Comments / Remarks

Sample Custody must be documented below each time samples change possesion, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	3/8/05 1530	1	2		2
3	3/8/05 1710	3	4		4
5		5			

Seal # 38051715 Preserved where applica ☐ On Ice: ☐

CHAIN OF CUSTO

Accutest Job #:

Accutest Control #:

Client Information	Facility Information
Name: Environmental Chemical Corporation	Project Name: Old Navy Fuel Farm
Address: 50 D'Angelo Drive	Location: NASB Brunswick, Maine
City: Marlborough, MA State: 01752 Zip:	Project No.: 5700
Send Report to: Jackson Kiker	
Phone #: 508-229-2270	FAX #: 508-229-7737

Field ID / Point of Collection	Collection: Date	Collection: Time	Collection: Sampled By	Matrix	# of bottles	Preservation: HCL	Preservation: MeCl+HCl	Preservation: HNO3	Preservation: H2So4	Preservation: None	TCL VOC (BTEX + MTBE)	METHANE	TOTAL ORGANIC CARBON	Alkalinity, Sulfate, Nitrate	DRO	GRO	Ferrous Iron				
MW-NASB-703	3/9/05	1315	DJC	GW	13	x	x		x	x	x	x	x	x	x	x	x	AMO	2009		
MW-NASB-TB04	3/9/05	0800	DJC	W	2	X					X								2010		
MW-NASB-TB05	3/9/05	0800	DJC	W	2	X						X									
MW-NASB-TB06	3/9/05	0800	DJC	W	2	X										X					

Turnaround Information

- ☐ 21 Day Standard
- ☐ 14 Day
- ☐ 7 Days *EMERGENCY*
- ☐ Other _____ (Days)

Approved By:

RUSH TAT is for FAX data

Data unless previously approved.

Data Deliverable Information

- ☐ NJ Reduced
- ☐ NJ Full
- ☐ FULL CLP
- ☐ Disk Deliverable
- ☐ Other (Specify)
- ☐ Commercial "A"
- ☐ Commercial "B"
- ☐ ASP Category B
- ☐ State Forms

Comments / Remarks

SDG ECC030905

Sample Custody must be documented below each time samples change possesion, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 [signature]	3/9/05 1430	1 [signature]	2		2
3 [signature]	3/9/05 1640	3 [signature] 3-9-05 1615	4		4
5		5	Seal #	Preserved where applica ☐	On Ice: ☐

CHAIN OF CUSTOD

Accutest Job #:

Accutest Control #:

Client Information

Name: Environmental Chemical Corporation

Address: 50 D'Angelo Drive

City: Marlborough, MA State: 01752 Zip:

Send Report to: Jackson Kiker

Phone #: 508-229-2270

Facility Information

Project Name: Old Navy Fuel Farm

Location: NASB Brunswick, Maine

Project No.: 5700

FAX #: 508-229-7737

Analytical Information

Field ID / Point of Collection	Collection: Date	Collection: Time	Collection: Sampled By	Matrix	# of bottles	Preservation: HCL	Preservation: MeCl+HCl	Preservation: HNO3	Preservation: H2So4	Preservation: None	TCL VOC (BTEX + MTBE)	METHANE	TOTAL ORGANIC CARBON	Alkalinity, Sulfate, Nitrate	DRO	GRO	Ferrous Iron				
MW-NASB-062	3/10/05	9:30	DJC	GW	11	x	x		x	x	x	x	x	x	x		x		AH	02047	
MW-NASB-051	3/10/05	10:35	DJC	GW	11	x	x		x	x	x	x	x	x	x		x				48
MW-NASB-207	3/10/05	12:10	DJC	GW	11	x	x		x	x	x	x	x	x	x		x				49
MW-NASB-TB07	3/10/05	0800	DJC	W	2	X					X										50
MW-NASB-TB08	3/10/05	0800	DJC	W	2	X						X									

Turnaround Information

- ☐ 21 Day Standard
- ☐ 14 Day
- ☐ 7 Days *EMERGENCY*
- ☐ Other _____ (Days)

Approved By:

RUSH TAT is for FAX data

Data unless previously approved.

Data Deliverable Information

- ☐ NJ Reduced
- ☐ NJ Full
- ☐ FULL CLP
- ☐ Disk Deliverable
- ☐ Other (Specify)
- ☐ Commercial "A"
- ☐ Commercial "B"
- ☐ ASP Category B
- ☐ State Forms

Comments / Remarks

Sample Custody must be documented below each time samples change possesion, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 [signature]	3/10/05 1510	1 [signature] 3/10/05 1510	2		2
3 [signature]	3/10/05 4:30PM	3 [signature] 3/10/05	4 1630		4
Relinquished by Sampler:	Date Time:	Received By:	Seal #	Preserved where applica	On Ice:

CHAIN OF CUSTOD

Accutest Job #:

Accutest Control #:

Client Information

Name: Environmental Chemical Corporation
Address: 50 D'Angelo Drive
City: Marlborough, MA State: 01752 Zip:
Send Report to: Jackson Kiker
Phone #: 508-229-2270

Facility Information

Project Name: Old Navy Fuel Farm
Location: NASB Brunswick, Maine
Project No.: 5700
FAX #: 508-229-7737

Analytical Information

Field ID / Point of Collection	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	Preservation HCL	MeCl+HCl	HNO3	H2So4	None	TCL VOC (BTEX + MTBE)	METHANE	TOTAL ORGANIC CARBON	Alkalinity, Sulfate, Nitrate	DRO	GRO	Ferrous Iron				
MW-NASB-098	3/11/05	9:45	DJC	GW	11	x	x		x	x	x	x	x	x	x		x			20	68
MW-NASB-098MS	3/11/05	9:45	DJC	GW	8	x	x				x	x			x					20	68
MW-NASB-098MSD	3/11/05	9:45	DJC	GW	8	x	x				x	x			x						68
MW-NASB-058	3/11/05	11:30	DJC	GW	11	x	x		x	x	x	x	x	x	x		x				69
MW-NASB-210	3/11/05	1315	DJC	GW	11	x	x		x	x	x	x	x	x	x		x				70
MW-NASB-DUP1	3/11/05	00:00	DJC	GW	11	x	x		x	x	x	x	x	x	x		x				71
MW-NASB-TB09	3/11/05	0800	DJC	W	2	X					X										72
MW-NASB-TB10	3/11/05	0800	DJC	W	2	X						X									72

Turnaround Information

- [ ] 21 Day Standard — Approved By:
- [ ] 14 Day
- [ ] 7 Days *EMERGENCY*
- [ ] Other _____ (Days)

RUSH TAT is for FAX data
Data unless previously approved.

Data Deliverable Information

- [ ] NJ Reduced
- [ ] NJ Full
- [ ] FULL CLP
- [ ] Disk Deliverable
- [ ] Other (Specify)
- [ ] Commercial "A"
- [ ] Commercial "B"
- [ ] ASP Category B
- [ ] State Forms

Comments / Remarks

ECC 031105

Sample Custody must be documented below each time samples change possesion, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	3/11/05 1455	1 3/11/05 1455	2		2
3	3/11/05 4:15PM	3 MBB 3-11-05	4 1630		4
5		5			

Seal #: Preserved where applica ☐ On Ice: ☒ 4.2° / 3.8°

CHAIN OF CUSTOI

Accutest Job #:

Accutest Control #:

Client Information

Name: Environmental Chemical Corporation

Address: 50 D'Angelo Drive

City: Marlborough, MA State: 01752 Zip:

Send Report to: Jackson Kiker

Phone #: 508-229-2270

Facility Information

Project Name: Old Navy Fuel Farm

Location: NASB Brunswick, Maine

Project No.: 5700

FAX #: 508-229-7737

Analytical Information

Field ID / Point of Collection	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	Preservation HCL	MeCl+HCl	HNO3	H2So4	None	TCL VOC (BTEX + MTBE)	METHANE	TOTAL ORGANIC CARBON	Alkalinity, Sulfate, Nitrate	DRO	GRO	Ferrous Iron				
MW-NASB-208BR	3/14/05	10:50	DJC	GW	11	x	x		x	x	x	x	x	x	x		x		AH02089.1-11		
ONFF-RINSATE BLANK	3/14/05	12:00	DJC	GW	10	x	x				x	x			x	x			AH02090.1-10		
MW-NASB-TB11	3/14/05	0800	DJC	W	2	X					x								AH02091.1-6		
MW-NASB-TB12	3/14/05	0800	DJC	W	2	X						x									
MW-NASB-TB13	3/14/05	0800	DJC	W	2	X										x					

Turnaround Information

- ☐ 21 Day Standard — Approved By:
- ☐ 14 Day
- ☐ 7 Days *EMERGENCY*
- ☐ Other _____ (Days)

RUSH TAT is for FAX data

Data unless previously approved.

Data Deliverable Information

- ☐ NJ Reduced
- ☐ NJ Full
- ☐ FULL CLP
- ☐ Disk Deliverable
- ☐ Other (Specify)
- ☐ Commercial "A"
- ☐ Commercial "B"
- ☐ ASP Category B
- ☐ State Forms

Comments / Remarks

Sample Custody must be documented below each time samples change possesion, including courier delivery.

3/14

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	3/14/05 1430	1	2		2 3/14/05
Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
3	3/14/0 1600	3	4		4
Relinquished by Sampler:	Date Time:	Received By:	Seal #	Preserved where applica ☐	On Ice: ☐ 5.3°
5		5			

0503273

Northeast Laboratory SERVICES

P.O. Box 788 • Waterville, ME 04903-0788
207-873-7711 / Fax: 207-873-7022

Shipping: 227 China Road
Winslow, Maine 04901

CHAIN OF CUSTODY RECORD

Company Name: NEL

Reporting Address: See Above

Client Contact: Denise Goodheart Phone Fax

Billing Name: See Above

Billing Address:

PO #: 05-037

Quote #

Project Name

Lab Comments:

Sample Designation	Sample Date/Time	Preservation: 1 H_2SO_4, 2=HNO_3, 3=HCL, 4=NaOH, 5=Thin, 6=4°C, 7=None	Container Size, Type	QTY	Sample Type Code: G = Grab C = Composite	Matrix Code Choose One: GW = Ground Water WW = Waste Water DW = Drinking Water SW = Surface Water O = Oil WP = Wipe S = Soil F = Food Other (Please List)	Analyses Requested	Lab Sample ID
CIA AH02050	3/10/05		2	2		GW	Methane	

CUSTODY SEAL INTAGT?
Y N NONE TEMP 14.2°C

Notes:

Sampled By:

Known hazards associated with samples:

Relinquished By	Date/Time	Received By	Date/Time	pH
M Bauman	3/14/05 2:30	ATL Laura Thomas	3/15/05 900	
Relinquished By	Date/Time	Received By	Date/Time	Rush Yes: 5 days 50% surcharge; 2 days 100% surcharge
Relinquished By	Date/Time	Received By	Date/Time	Field Filtered Y / N

The recommended temperature of the internal container is 2-6°C. Do you authorize analysis if the temp is out of range?

Yes No

Chain of Custody must be filled out completely. This includes signature, sample description, analysis requested, date and time sampled.

If not completed, samples will be rejected. FedEx 6749 7684 2418

Rev. R01 Form #NCL 103

If a sample is hazardous or radioactive, the sample will be returned to the client at the client's expense.
Standard turn-around-time is 10 business days - depending on season.

68

Northeast Laboratory SERVICES

P.O. Box 788 • Waterville, ME 04903-0788
207-873-7711 / Fax: 207-873-7022

Shipping: 227 China Road
Winslow, Maine 04901

CHAIN OF CUSTODY RECORD

Company Name: NEL

Reporting Address: See above

Client Contact: Denise Goodheart Phone Fax

Billing Name: See above

Billing Address:

PO #: 05-037

Quote #

Project Name

0503251

Lab Comments:

CUSTODY SEAL INTACT? Y N NONE TEMP 13.4°C

	Sample Designation	Sample Date/Time	Preservation: 1=H_2SO_4, 2=HNO_3, 3=HCL, 4=NaOH, 5=Thio, 6=4°C, 7=None	Container Size, Type	QTY	Sample Type Code: G = Grab, C = Composite	Matrix Code Choose One: GW = Ground Water, WW = Waste Water, DW = Drinking Water, SW = Surface Water, O = Oil, WP = Wipe, S = Soil, F = Food, Other (Please List)	Analyses Requested	Lab Sample ID
01A	AH01972	3-8		40ml	2		GW	Methane	
02A	AH01973	↓							
03A	AH01974								
04A	AH02009	3-9							
05A	AH02010	↓							
06A	AH02048	3-10							
07A	AH02049								
08A	AH02050	↓							

Notes:

Sampled By:

Known hazards associated with samples:

Relinquished By	Date/Time	Received By	Date/Time
[signature]	3-10-05	[signature] ATL	3/14/05 850
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time

pH

Rush Yes
5 days 50% surcharge 2 days 100% surcharge

Field Filtered Y / N

The recommended temperature of the internal container is 2-6°C. Do you authorize analysis if the temp is out of range?

Yes No

Chain of Custody must be filled out completely. This includes signature, sample description, analysis requested, date and time sampled.

FedEx 6749 7684 2153

If not completed, samples will be rejected.

If a sample is hazardous or radioactive, the sample will be returned to the client at the client's expense.
Standard turn-around-time is 10 business days - depending on season.

0503293

Northeast Laboratory SERVICES

P.O. Box 788 • Waterville, ME 04903-0788
207-873-7711 / Fax: 207-873-7022

Shipping: 227 China Road
Winslow, Maine 04901

CHAIN OF CUSTODY RECORD

Company Name: NEC

Reporting Address: See above

Client Contact: Denise Goodheart Phone Fax

Billing Name: See above

Billing Address:

PO #: 05-042

Quote #

Project Name

Lab Comments:

	Sample Designation	Sample Date/Time	Preservation: 1 H_2SO_4, 2=HNO_3, 3=HCL, 4=NaOH, 5=Thio, 6=4°C, 7=None	Container Size, Type	QTY	Sample Type Code: G = Grab C = Composite	Matrix Code Choose One: GW = Ground Water WW = Waste Water DW = Drinking Water SW = Surface Water O = Oil WP = Wipe S = Soil F = Food Other (Please List)	Analyses Requested	Lab Sample ID
01A	AH02089	3-14	NeC	2 quart			GW	Methane	
02A	AH02090								
03A	AH02091								
04A	AH02068 MS/MSD	3-14		2 quart					
05A	AH02069								
06A	AH02070								
07A	AH02071								
08A	AH02072								

CUSTODY SEAL INTACT?
Y N NONE TEMP

Notes:

Sampled By:

Known hazards associated with samples:

Relinquished By	Date/Time	Received By	Date/Time	pH
Goodheart	3 1505 7 SW			
Relinquished By	Date/Time	Received By	Date/Time	Rush Yes
		Maisie J. Waters	3/16/05 9:20	5 days 50% surcharge; 2 days 100% surcharge
Relinquished By	Date/Time	Received By	Date/Time	Field Filtered Y / N

The recommended temperature of the internal container is 2-6°C. Do you authorize analysis if the temp is out of range?

Yes No

Chain of Custody must be filled out completely. This includes signature, sample description, analysis requested, date and time sampled.

If not completed, samples will be rejected.

If a sample is hazardous or radioactive, the sample will be returned to the client at the client's expense.
Standard turn-around-time is 10 business days - depending on season.

Rev. 8/04 Form ANEL 103

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Northeast Laboratory SERVICES

P.O. Box 788
Waterville, Maine 04901-0788

227 China Road
Winslow, Maine 04901

Administrative Offices
Phone: 207-873-7711
Fax: 207-873-7022

Customer Service
Phone: 820022478378
Fax: 207-873-7022

ANALYSIS REPORT

Attention: JACKSON KIKER
ECC
DANGELO DR
MARLBORO MA 01752

Lab ID Number: AH01972
Project Number: NASB Old Navy Fue Farm
P.O. Number: AH01972-74
Date Collected: 03/08/2005 11:40 AM
DateReceived: 03/08/2005 05:15 PM
Date Reported: 03/28/2005

Sample Matrix: G-WATER
Sample Description: MW-NASB-701
Sample Type: Unknown

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time	Analysis Date/Time	Analyst
EPA 8260-BNAS Fuel Farm								
Benzene	1.0	U	ug/L	1.0	EPA 8260B	03/11/2005 15:36	03/11/2005 20:14	NMI
Ethylbenzene	1.0	U	ug/L	1.0	EPA 8260B	03/11/2005 15:36	03/11/2005 20:14	NMI
m,p-Xylene	1.0	U	ug/L	1.0	EPA 8260B	03/11/2005 15:36	03/11/2005 20:14	NMI
o-Xylene	1.0	U	ug/L	1.0	EPA 8260B	03/11/2005 15:36	03/11/2005 20:14	NMI
t-Butyl-Methyl Ether	1.0	U	ug/L	1.0	EPA 8260B	03/11/2005 15:36	03/11/2005 20:14	NMI
Toluene	1.0	U	ug/L	1.0	EPA 8260B	03/11/2005 15:36	03/11/2005 20:14	NMI
2-Butanone	10	U	ug/L	10	EPA 8260B	03/11/2005 15:36	03/11/2005 20:14	NMI
2-Hexanone	10	U	ug/L	10	EPA 8260B	03/11/2005 15:36	03/11/2005 20:14	NMI
Methyl isobutyl ketone	10	U	ug/L	10	EPA 8260B	03/11/2005 15:36	03/11/2005 20:14	NMI
Toluene-d8 (Surrogate)	112		%	70	EPA 8260B	03/11/2005 15:36	03/11/2005 20:14	NMI
1,2-Dichloroethane-d4 (Surrogate)	116		%	60	EPA 8260B	03/11/2005 15:36	03/11/2005 20:14	NMI
1,1,1,2-Tetrachloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 20:14	NMI
1,1,1-Trichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 20:14	NMI
1,1,2,2-Tetrachloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 20:14	NMI
1,1,2-Trichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 20:14	NMI
1,1-Dichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 20:14	NMI
1,1-Dichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 20:14	NMI
1,1-Dichloropropene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 20:14	NMI
1,2,3-Trichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 20:14	NMI
1,2,3-Trichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 20:14	NMI
1,2,4-Trichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 20:14	NMI
1,2,4-Trimethylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 20:14	NMI
1,2-Dibromo-3-Chloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 20:14	NMI
1,2-Dibromoethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 20:14	NMI
1,2-Dichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 20:14	NMI
1,2-Dichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 20:14	NMI
1,2-Dichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 20:14	NMI
1,3,5-Trimethylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 20:14	NMI
1,3-Dichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 20:14	NMI
1,3-Dichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 20:14	NMI
1,4-Dichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 20:14	NMI
2,2-Dichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 20:14	NMI

Northeast Laboratory SERVICES

P.O. Box 788
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Customer Service
Phone: 820022478378
Fax: 207-873-7022

ANALYSIS REPORT

Attention: JACKSON KIKER
ECC
DANGELO DR
MARLBORO MA 01752

Lab ID Number: AH01972
Project Number: NASB Old Navy Fue Farm
P.O. Number: AH01972-74
Date Collected: 03/08/2005 11:40 AM
DateReceived: 03/08/2005 05:15 PM
Date Reported: 03/28/2005

Sample Matrix: G-WATER
Sample Description: MW-NASB-701
Sample Type: Unknown

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time		Analysis Date/Time		Analyst
2-Chlorotoluene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:14	NMI
2-Methoxy-2-Methylbutane (TAME)	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:14	NMI
4-Chlorotoluene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:14	NMI
4-Isopropyltoluene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:14	NMI
Bromobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:14	NMI
Bromochloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:14	NMI
Bromodichloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:14	NMI
Bromoform	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:14	NMI
Bromomethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:14	NMI
Carbon Disulfide	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:14	NMI
Carbon Tetrachloride	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:14	NMI
Chlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:14	NMI
Chloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:14	NMI
Chloroform	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:14	NMI
Chloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:14	NMI
cis-1,2-Dichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:14	NMI
cis-1,3-Dichloropropene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:14	NMI
Dibromochloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:14	NMI
Dibromomethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:14	NMI
Dichlorodifluoromethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:14	NMI
Diethyl Ether	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:14	NMI
Diisopropyl ether (DIPE)	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:14	NMI
Ethyl-t-butyl-ether (ETBE)	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:14	NMI
Hexachlorobutadiene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:14	NMI
Isopropylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:14	NMI
Naphthalene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:14	NMI
n-Butylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:14	NMI
n-Propylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:14	NMI
sec-Butylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:14	NMI
Styrene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:14	NMI
tert-Butylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:14	NMI
Tetrachloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:14	NMI
trans-1,2-Dichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:14	NMI

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ANALYSIS REPORT

Attention: JACKSON KIKER
ECC
DANGELO DR
MARLBORO MA 01752

Lab ID Number: AH01972
Project Number: NASB Old Navy Fue Farm
P.O. Number: AH01972-74
Date Collected: 03/08/2005 11:40 AM
DateReceived: 03/08/2005 05:15 PM
Date Reported: 03/28/2005

Sample Matrix: G-WATER
Sample Description: MW-NASB-701
Sample Type: Unknown

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time		Analysis Date/Time		Analyst
trans-1,3-Dichloropropene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:14	NMI
Trichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:14	NMI
Trichlorofluoromethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:14	NMI
Vinyl Chloride	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:14	NMI
Methylene Chloride	2.0	U	ug/L	5.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:14	NMI
tert-Butanol (TBA)	20	U	ug/L	20	EPA 8260B	03/11/2005	15:36	03/11/2005	20:14	NMI
Acetone	23		ug/L	10	EPA 8260B	03/11/2005	15:36	03/11/2005	20:14	NMI
Tetrahydrofuran	5.0	U	ug/L	5.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:14	NMI
4-Bromofluorobenzene (Surrogate)	99		%	70	EPA 8260B	03/11/2005	15:36	03/11/2005	20:14	NMI

** The "U" qualifier indicates the compound was analyzed for but not detected.*

Diesel Range Organics Water

Diesel Range Organics	50	U	ug/L	50	MEDEP 4.1.25	03/09/2005	8:00	03/09/2005	19:30	ECT
p-terphenyl (Surrogate)	83		%	60	MEDEP 4.1.25	03/09/2005	8:00	03/09/2005	19:30	ECT
Total Petroleum Hydrocarbons	NA		ug/L	50	MEDEP 4.1.25	03/09/2005	8:00	03/09/2005	19:30	ECT

** The "U" qualifier indicates the compound was analyzed for but not detected.*

Gasoline Range Organics Water

Benzene	1.0	U	ug/L	1.0	MEDEP 4.2.17	03/14/2005	9:51	03/14/2005	13:46	ECT
Ethyl benzene	1.0	U	ug/L	1.0	MEDEP 4.2.17	03/14/2005	9:51	03/14/2005	13:46	ECT
Toluene	1.0	U	ug/L	1.0	MEDEP 4.2.17	03/14/2005	9:51	03/14/2005	13:46	ECT
Total xylenes	1.0	U	ug/L	1.0	MEDEP 4.2.17	03/14/2005	9:51	03/14/2005	13:46	ECT
4-Bromofluorobenzene (Surrogate)	107		%	60	MEDEP 4.2.17	03/14/2005	9:51	03/14/2005	13:46	ECT
MTBE (Methyl-t-Butyl Ether)	3.1		ug/L	2.0	MEDEP 4.2.17	03/14/2005	9:51	03/14/2005	13:46	ECT
GROAQ	62		ug/L	10.0	MEDEP 4.2.17	03/14/2005	9:51	03/14/2005	13:46	ECT

** Although not a typical gasoline profile, the chromatogram contains several discrete peaks that may represent gasoline components.*
The "U" qualifier indicates the compound was analyzed for but not detected.

Alkalinity, Titrimetic	69		mg/L	1	EPA 310.1	03/10/2005	13:38	03/10/2005	16:38	KLM
MEDEP 4.125-Prep Water	Completed		Date	-	MEDEP 4.125	03/09/2005	8:00	03/09/2005	14:45	JNM
Ferrous Iron	6600		ug/L	25.0	SM 3500 Fe D	03/09/2005	11:00	03/09/2005	13:00	KRN
Nitrate-N	0.1	U	mg/L	0.1	EPA 353.2	03/09/2005	12:49	03/09/2005	13:02	JS
Sulfate	45		mg/L	1.0	EPA 9056	03/09/2005	10:01	03/09/2005	20:44	JS
Total Organic Carbon	21		mg/L	4	EPA 415.1	03/15/2005	7:29	03/15/2005	14:32	JJC

** Reporting limit has been increased by 4X for TOC to account for dilution factor.*

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ANALYSIS REPORT

Attention: JACKSON KIKER
ECC
DANGELO DR
MARLBORO MA 01752

Lab ID Number: AH01972
Project Number: NASB Old Navy Fue Farm
P.O. Number: AH01972-74
Date Collected: 03/08/2005 11:40 AM
DateReceived: 03/08/2005 05:15 PM
Date Reported: 03/28/2005

Sample Matrix: G-WATER
Sample Description: MW-NASB-701
Sample Type: Unknown

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time	Analysis Date/Time	Analyst

Comments:

Please see the specific analysis comment(s) above.

Results are reported on a wet weight basis.

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Results meet the requirements of the NELAC standards unless otherwise noted above.

Reviewed By: Kelly A. Perkins **Review Date:** 03/28/2005
Kelly Perkins, Lab Manager

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ANALYSIS REPORT

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TO: ECC

DATE SAMPLED:	03/08/2005	LABORATORY NUMBER:	AH01972
DATE RECEIVED:	03/08/2005	SAMPLE MATRIX:	G-WATER
DATE EXTRACTED:	03/09/2005	ANALYST:	ECT
DATE ANALYZED:	03/09/2005	SDG #:	ECC030805
DATE REPORTED:	03/28/2005		

SAMPLE DESCRIPTION: MW-NASB-701

DIESEL RANGE ORGANICS (DRO)

METHOD SUMMARY:

The water sample is defined as the entire contents of the container including any soil or secondary phase material present. The sample was extracted three (3) times with methylene chloride using a liguid/liquid extraction technique with sodium chloride added to increase the extraction efficiency. The combined extract was passed through anhydrous sodium sulfate to remove water and was concentrated using a Zymark Turbovap Concentrator or Kuderna-Danish Concentrator. The final extract and/or dilutions of the extract were analyzed using high-resolution capillary FID Gas Chromatography (J & W DB-1 column, 0.25 micron phase, 0.32mm ID, 30 meter). The sample chromatograms were compared to hydrocarbon standard chromatograms for descriptive purposes and were compared to a DRO component standard for quantification of results.

QUANTITATION/DESCRIPTION:

NEL Sample#	Client Identification	DRO Results ug/L (ppb)*	Qualifier	Surrogate Recovery p-Terphenyl**
AH01972	MW-NASB-701	50	U	83%

The "U" qualifier indicates the compound was analyzed for but not detected.

Results meet the requirements of the NELAC standards

NOTE:

Identification of pristane, phytane, and the n-alkanes is based on chromatographic patterns and retention times on a single column. Identity has not been confirmed. Several petroleum products have chromatographic profiles similar to one another; and product profiles change as weathering occurs. Descriptive/interpretive data has been provided for guidance only. Identity of products (either weathered or unweathered) should not be considered conclusive.

* Quantitation is based on a DRO component standard, utilizing a method defined window from carbon number 10 to 28 inclusive.

**p-Terphenyl is added to the sample prior to extraction as a means of assessing the validity of the analysis.

[ ] In instances in which the material outside the DRO window exceeds 25% of DRO, an estimated total TPH result (aproximately carbon number 9 to 40) will be given in brackets following the DRO result, utilizing the response of a DRO component standard. Only total TPH results exceeding 50 ug/L (ppb) will be listed.

Analysis was conducted according to Maine method 4.1.25, "Method for Determining Diesel Range Organics." The DRO Practical Quantitation Limit is 50 ug/L (ppb)*.

Reviewed By: Kelly A. Perkins Date: 3/28/2005
Kelly Perkins, Lab Manager

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TO: ECC

DATE SAMPLED: 03/08/2005
DATE RECEIVED: 03/08/2005
DATE ANALYZED: 03/14/2005
DATE REPORTED: 03/28/2005

LABORATORY NUMBER: AH01972
SAMPLE MATRIX: G-WATER
ANALYST: ECT
SDG #: ECC030805

SAMPLE DESCRIPTION: MW-NASB-701

GASOLINE RANGE ORGANICS (GRO)

NEL Sample #	Client Identification	GRO Results ug/L (ppb)	Qualifier	MTBE & BTEX ug/L (ppb)*	Qualifier	Reporting Limit	Surr gate Recovery 4-BFB**
AH01972	MW-NASB-701	62		MTBE:3.1		2	107%
				Benzene:1.0	U	1	
				Toluene:1.0	U	1	
				EthylBenzene:1.0	U	1	
				TotalXylenes:1.0	U	1	

Although not a typical gasoline profile, the chromatogram contains several discrete peaks that may represent gasoline components.
The "U" qualifier indicates the compound was analyzed for but not detected.
Results meet the requirements of the NELAC standards

* Identification of MTBE and the BTEX compounds is based on retention times on the primary column. Identity has not been confirmed. Because of the possibility of co-eluting compounds, these quantitations may be higher than the actual concentration. For a more accurate or EPA approved quantitation of these compounds request Method 8260.

**4-Bromofluorobenzene is added to the sample as a means of assessing the validity of the analysis.

NOTE: See attached method information.

Analysis was conducted according to Maine method 4.2.17, "Method for Determining Gasoline Range Organics".

Reviewed By: Kelly A. Perkins Date: 3/28/2005
Kelly Perkins, Lab Manager

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ANALYSIS REPORT

Attention: JACKSON KIKER
ECC
DANGELO DR
MARLBORO MA 01752

Lab ID Number: AH01973
Project Number: NASB Old Navy Fuel Farm
P.O. Number: AH01972-74
Date Collected: 03/08/2005 02:35 PM
DateReceived: 03/08/2005 05:15 PM
Date Reported: 03/28/2005

Sample Matrix: G-WATER
Sample Description: MW-NASB-702
Sample Type: Unknown

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time	Analysis Date/Time	Analyst
EPA 8260-BNAS Fuel Farm								
Benzene	1.0	U	ug/L	1.0	EPA 8260B	03/11/2005 15:36	03/11/2005 20:49	NMI
Ethylbenzene	1.0	U	ug/L	1.0	EPA 8260B	03/11/2005 15:36	03/11/2005 20:49	NMI
m,p-Xylene	1.0	U	ug/L	1.0	EPA 8260B	03/11/2005 15:36	03/11/2005 20:49	NMI
o-Xylene	1.0	U	ug/L	1.0	EPA 8260B	03/11/2005 15:36	03/11/2005 20:49	NMI
t-Butyl-Methyl Ether	1.0	U	ug/L	1.0	EPA 8260B	03/11/2005 15:36	03/11/2005 20:49	NMI
Toluene	1.0	U	ug/L	1.0	EPA 8260B	03/11/2005 15:36	03/11/2005 20:49	NMI
2-Butanone	10	U	ug/L	10	EPA 8260B	03/11/2005 15:36	03/11/2005 20:49	NMI
2-Hexanone	10	U	ug/L	10	EPA 8260B	03/11/2005 15:36	03/11/2005 20:49	NMI
Acetone	10	U	ug/L	10	EPA 8260B	03/11/2005 15:36	03/11/2005 20:49	NMI
Methyl isobutyl ketone	10	U	ug/L	10	EPA 8260B	03/11/2005 15:36	03/11/2005 20:49	NMI
4-Bromofluorobenzene (Surrogate)	100		%	70	EPA 8260B	03/11/2005 15:36	03/11/2005 20:49	NMI
Toluene-d8 (Surrogate)	110		%	70	EPA 8260B	03/11/2005 15:36	03/11/2005 20:49	NMI
1,2-Dichloroethane-d4 (Surrogate)	120		%	60	EPA 8260B	03/11/2005 15:36	03/11/2005 20:49	NMI
1,1,1,2-Tetrachloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 20:49	NMI
1,1,1-Trichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 20:49	NMI
1,1,2,2-Tetrachloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 20:49	NMI
1,1,2-Trichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 20:49	NMI
1,1-Dichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 20:49	NMI
1,1-Dichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 20:49	NMI
1,1-Dichloropropene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 20:49	NMI
1,2,3-Trichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 20:49	NMI
1,2,3-Trichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 20:49	NMI
1,2,4-Trichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 20:49	NMI
1,2,4-Trimethylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 20:49	NMI
1,2-Dibromo-3-Chloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 20:49	NMI
1,2-Dibromoethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 20:49	NMI
1,2-Dichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 20:49	NMI
1,2-Dichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 20:49	NMI
1,2-Dichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 20:49	NMI
1,3,5-Trimethylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 20:49	NMI
1,3-Dichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 20:49	NMI
1,3-Dichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 20:49	NMI

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ANALYSIS REPORT

Attention: JACKSON KIKER
ECC
DANGELO DR
MARLBORO MA 01752

Lab ID Number: AH01973
Project Number: NASB Old Navy Fuel Farm
P.O. Number: AH01972-74
Date Collected: 03/08/2005 02:35 PM
DateReceived: 03/08/2005 05:15 PM
Date Reported: 03/28/2005

Sample Matrix: G-WATER
Sample Description: MW-NASB-702
Sample Type: Unknown

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time		Analysis Date/Time		Analyst
1,4-Dichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:49	NMI
2,2-Dichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:49	NMI
2-Chlorotoluene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:49	NMI
2-Methoxy-2-Methylbutane (TAME)	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:49	NMI
4-Chlorotoluene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:49	NMI
4-Isopropyltoluene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:49	NMI
Bromobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:49	NMI
Bromochloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:49	NMI
Bromodichloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:49	NMI
Bromoform	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:49	NMI
Bromomethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:49	NMI
Carbon Disulfide	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:49	NMI
Carbon Tetrachloride	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:49	NMI
Chlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:49	NMI
Chloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:49	NMI
Chloroform	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:49	NMI
Chloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:49	NMI
cis-1,2-Dichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:49	NMI
cis-1,3-Dichloropropene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:49	NMI
Dibromochloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:49	NMI
Dibromomethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:49	NMI
Dichlorodifluoromethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:49	NMI
Diethyl Ether	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:49	NMI
Diisopropyl ether (DIPE)	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:49	NMI
Ethyl-t-butyl-ether (ETBE)	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:49	NMI
Hexachlorobutadiene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:49	NMI
Isopropylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:49	NMI
Naphthalene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:49	NMI
n-Butylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:49	NMI
n-Propylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:49	NMI
sec-Butylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:49	NMI
Styrene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:49	NMI
tert-Butylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:49	NMI

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ANALYSIS REPORT

Attention: JACKSON KIKER
ECC
DANGELO DR
MARLBORO MA 01752

Lab ID Number: AH01973
Project Number: NASB Old Navy Fuel Farm
P.O. Number: AH01972-74
Date Collected: 03/08/2005 02:35 PM
DateReceived: 03/08/2005 05:15 PM
Date Reported: 03/28/2005

Sample Matrix: G-WATER
Sample Description: MW-NASB-702
Sample Type: Unknown

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time		Analysis Date/Time		Analyst
Tetrachloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:49	NMI
trans-1,2-Dichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:49	NMI
trans-1,3-Dichloropropene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:49	NMI
Trichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:49	NMI
Trichlorofluoromethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:49	NMI
Vinyl Chloride	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:49	NMI
tert-Butanol (TBA)	20	U	ug/L	20	EPA 8260B	03/11/2005	15:36	03/11/2005	20:49	NMI
Methylene Chloride	5.0	U	ug/L	5.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:49	NMI
Tetrahydrofuran	5.0	U	ug/L	5.0	EPA 8260B	03/11/2005	15:36	03/11/2005	20:49	NMI
* *The "U" qualifier indicates the compound was analyzed for but not detected.*										
Diesel Range Organics Water										
Diesel Range Organics	50	U	ug/L	50	MEDEP 4.1.25	03/09/2005	8:00	03/09/2005	20:12	ECT
p-terphenyl (Surrogate)	70		%	60	MEDEP 4.1.25	03/09/2005	8:00	03/09/2005	20:12	ECT
Total Petroleum Hydrocarbons	NA		ug/L	50	MEDEP 4.1.25	03/09/2005	8:00	03/09/2005	20:12	ECT
* *The "U" qualifier indicates the compound was analyzed for but not detected.*										
Gasoline Range Organics Water										
Benzene	1.0	U	ug/L	1.0	MEDEP 4.2.17	03/14/2005	9:51	03/14/2005	14:27	ECT
Ethyl benzene	1.0	U	ug/L	1.0	MEDEP 4.2.17	03/14/2005	9:51	03/14/2005	14:27	ECT
Toluene	1.0	U	ug/L	1.0	MEDEP 4.2.17	03/14/2005	9:51	03/14/2005	14:27	ECT
Total xylenes	1.0	U	ug/L	1.0	MEDEP 4.2.17	03/14/2005	9:51	03/14/2005	14:27	ECT
GROAQ	10	U	ug/L	10.0	MEDEP 4.2.17	03/14/2005	9:51	03/14/2005	14:27	ECT
4-Bromofluorobenzene (Surrogate)	106		%	60	MEDEP 4.2.17	03/14/2005	9:51	03/14/2005	14:27	ECT
MTBE (Methyl-t-Butyl Ether)	3.0		ug/L	2.0	MEDEP 4.2.17	03/14/2005	9:51	03/14/2005	14:27	ECT
* *The "U" qualifier indicates the compound was analyzed for but not detected.*										
Alkalinity, Titrimetic	40		mg/L	1	EPA 310.1	03/10/2005	13:38	03/10/2005	16:38	KLM
MEDEP 4.125-Prep Water	Completed		Date	-	MEDEP 4.125	03/09/2005	8:00	03/09/2005	14:45	JNM
Ferrous Iron	1400		ug/L	25.0	SM 3500 Fe D	03/09/2005	11:00	03/09/2005	13:00	KRN
Nitrate-N	0.44		mg/L	0.1	EPA 353.2	03/09/2005	12:49	03/09/2005	13:02	JS
Sulfate	4.5		mg/L	1.0	EPA 9056	03/09/2005	10:01	03/09/2005	20:44	JS
Total Organic Carbon	8.4		mg/L	1	EPA 415.1	03/15/2005	7:29	03/15/2005	14:32	JJC

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ANALYSIS REPORT

Attention: JACKSON KIKER
ECC
DANGELO DR
MARLBORO MA 01752

Lab ID Number: AH01973
Project Number: NASB Old Navy Fuel Farm
P.O. Number: AH01972-74
Date Collected: 03/08/2005 02:35 PM
DateReceived: 03/08/2005 05:15 PM
Date Reported: 03/28/2005

Sample Matrix: G-WATER
Sample Description: MW-NASB-702
Sample Type: Unknown

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time	Analysis Date/Time	Analyst

Comments:

Results are reported on a wet weight basis.

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Results meet the requirements of the NELAC standards unless otherwise noted above.

Reviewed By: Kelly A. Perkins **Review Date:** 03/28/2005
Kelly Perkins, Lab Manager

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TO: ECC

DATE SAMPLED:	03/08/2005	LABORATORY NUMBER:	AH01973
DATE RECEIVED:	03/08/2005	SAMPLE MATRIX:	G-WATER
DATE EXTRACTED:	03/09/2005	ANALYST:	ECT
DATE ANALYZED:	03/09/2005	SDG #:	ECC030805
DATE REPORTED:	03/28/2005		

SAMPLE DESCRIPTION: MW-NASB-702

DIESEL RANGE ORGANICS (DRO)

METHOD SUMMARY:

The water sample is defined as the entire contents of the container including any soil or secondary phase material present. The sample was extracted three (3) times with methylene chloride using a liguid/liquid extraction technique with sodium chloride added to increase the extraction efficiency. The combined extract was passed through anhydrous sodium sulfate to remove water and was concentrated using a Zymark Turbovap Concentrator or Kuderna-Danish Concentrator. The final extract and/or dilutions of the extract were analyzed using high-resolution capillary FID Gas Chromatography (J & W DB-1 column, 0.25 micron phase, 0.32mm ID, 30 meter). The sample chromatograms were compared to hydrocarbon standard chromatograms for descriptive purposes and were compared to a DRO component standard for quantification of results.

QUANTITATION/DESCRIPTION:

NEL Sample#	Client Identification	DRO Results ug/L (ppb)*	Qualifier	Surrogate Recovery p-Terphenyl**
AH01973	MW-NASB-702	50	U	70%

The "U" qualifier indicates the compound was analyzed for but not detected.

Results meet the requirements of the NELAC standards

NOTE:

Identification of pristane, phytane, and the n-alkanes is based on chromatographic patterns and retention times on a single column. Identity has not been confirmed. Several petroleum products have chromatographic profiles similar to one another; and product profiles change as weathering occurs. Descriptive/interpretive data has been provided for guidance only. Identity of products (either weathered or unweathered) should not be considered conclusive.

* Quantitation is based on a DRO component standard, utilizing a method defined window from carbon number 10 to 28 inclusive.

**p-Terphenyl is added to the sample prior to extraction as a means of assessing the validity of the analysis.

[ ] In instances in which the material outside the DRO window exceeds 25% of DRO, an estimated total TPH result (aproximately carbon number 9 to 40) will be given in brackets following the DRO result, utilizing the response of a DRO component standard. Only total TPH results exceeding 50 ug/L (ppb) will be listed.

Analysis was conducted according to Maine method 4.1.25, "Method for Determining Diesel Range Organics." The DRO Practical Quantitation Limit is 50 ug/L (ppb)*.

Reviewed By: Kelly A. Perkins Date: 3/28/2005
Kelly Perkins, Lab Manager

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TO: ECC

DATE SAMPLED: 03/08/2005
DATE RECEIVED: 03/08/2005
DATE ANALYZED: 03/14/2005
DATE REPORTED: 03/28/2005

LABORATORY NUMBER: AH01973
SAMPLE MATRIX: G-WATER
ANALYST: ECT
SDG #: ECC030805

SAMPLE DESCRIPTION: MW-NASB-702

GASOLINE RANGE ORGANICS (GRO)

NEL Sample #	Client Identification	GRO Results ug/L (ppb)	Qualifier	MTBE & BTEX ug/L (ppb)*	Qualifier	Reporting Limit	Surrogate Recovery 4-BFB**
AH01973	MW-NASB-702	10	U	MTBE:3.0		2	106%
				Benzene:1.0	U	1	
				Toluene:1.0	U	1	
				EthylBenzene:1.0	U	1	
				TotalXylenes:1.0	U	1	

The "U" qualifier indicates the compound was analyzed for but not detected.

Results meet the requirements of the NELAC standards

* Identification of MTBE and the BTEX compounds is based on retention times on the primary column. Identity has not been confirmed. Because of the possibility of co-eluting compounds, these quantitations may be higher than the actual concentration. For a more accurate or EPA approved quantitation of these compounds request Method 8260.

**4-Bromofluorobenzene is added to the sample as a means of assessing the validity of the analysis.

NOTE: See attached method information.

Analysis was conducted according to Maine method 4.2.17, "Method for Determining Gasoline Range Organics".

Reviewed By: Kelly A. Perkins Date: 3/28/2005
Kelly Perkins, Lab Manager

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ANALYSIS REPORT

Attention: JACKSON KIKER
ECC
DANGELO DR
MARLBORO MA 01752

Lab ID Number: AH01974
Project Number: NASB Old Navy Fue Farm
P.O. Number: AH01972-74
Date Collected: 03/08/2005 08:00 AM
DateReceived: 03/08/2005 05:15 PM
Date Reported: 03/28/2005

Sample Matrix: T-BLANK
Sample Description: MW-NASB-TB01-03
Sample Type: QA/QC

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time	Analysis Date/Time	Analyst
EPA 8260-BNAS Fuel Farm								
Benzene	1.0	U	ug/L	1.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:23	NMI
Ethylbenzene	1.0	U	ug/L	1.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:23	NMI
m,p-Xylene	1.0	U	ug/L	1.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:23	NMI
o-Xylene	1.0	U	ug/L	1.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:23	NMI
t-Butyl-Methyl Ether	1.0	U	ug/L	1.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:23	NMI
Toluene	1.0	U	ug/L	1.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:23	NMI
2-Butanone	10	U	ug/L	10	EPA 8260B	03/14/2005 22:11	03/15/2005 3:23	NMI
2-Hexanone	10	U	ug/L	10	EPA 8260B	03/14/2005 22:11	03/15/2005 3:23	NMI
Acetone	10	U	ug/L	10	EPA 8260B	03/14/2005 22:11	03/15/2005 3:23	NMI
Methyl isobutyl ketone	10	U	ug/L	10	EPA 8260B	03/14/2005 22:11	03/15/2005 3:23	NMI
Toluene-d8 (Surrogate)	110		%	70	EPA 8260B	03/14/2005 22:11	03/15/2005 3:23	NMI
1,2-Dichloroethane-d4 (Surrogate)	150		%	60	EPA 8260B	03/14/2005 22:11	03/15/2005 3:23	NMI
1,1,1,2-Tetrachloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:23	NMI
1,1,1-Trichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:23	NMI
1,1,2,2-Tetrachloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:23	NMI
1,1,2-Trichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:23	NMI
1,1-Dichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:23	NMI
1,1-Dichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:23	NMI
1,1-Dichloropropene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:23	NMI
1,2,3-Trichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:23	NMI
1,2,3-Trichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:23	NMI
1,2,4-Trichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:23	NMI
1,2,4-Trimethylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:23	NMI
1,2-Dibromo-3-Chloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:23	NMI
1,2-Dibromoethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:23	NMI
1,2-Dichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:23	NMI
1,2-Dichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:23	NMI
1,2-Dichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:23	NMI
1,3,5-Trimethylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:23	NMI
1,3-Dichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:23	NMI
1,3-Dichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:23	NMI
1,4-Dichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:23	NMI

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ANALYSIS REPORT

Attention: JACKSON KIKER
ECC
DANGELO DR
MARLBORO MA 01752

Lab ID Number: AH01974
Project Number: NASB Old Navy Fue Farm
P.O. Number: AH01972-74
Date Collected: 03/08/2005 08:00 AM
DateReceived: 03/08/2005 05:15 PM
Date Reported: 03/28/2005

Sample Matrix: T-BLANK
Sample Description: MW-NASB-TB01-03
Sample Type: QA/QC

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time	Analysis Date/Time	Analyst
2,2-Dichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:23	NMI
2-Chlorotoluene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:23	NMI
2-Methoxy-2-Methylbutane (TAME)	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:23	NMI
4-Chlorotoluene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:23	NMI
4-Isopropyltoluene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:23	NMI
Bromobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:23	NMI
Bromochloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:23	NMI
Bromodichloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:23	NMI
Bromoform	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:23	NMI
Bromomethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:23	NMI
Carbon Disulfide	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:23	NMI
Carbon Tetrachloride	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:23	NMI
Chlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:23	NMI
Chloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:23	NMI
Chloroform	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:23	NMI
Chloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:23	NMI
cis-1,2-Dichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:23	NMI
cis-1,3-Dichloropropene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:23	NMI
Dibromochloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:23	NMI
Dibromomethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:23	NMI
Dichlorodifluoromethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:23	NMI
Diethyl Ether	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:23	NMI
Diisopropyl ether (DIPE)	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:23	NMI
Ethyl-t-butyl-ether (ETBE)	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:23	NMI
Hexachlorobutadiene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:23	NMI
Isopropylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:23	NMI
Naphthalene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:23	NMI
n-Butylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:23	NMI
n-Propylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:23	NMI
sec-Butylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:23	NMI
Styrene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:23	NMI
tert-Butylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:23	NMI
Tetrachloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:23	NMI

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ANALYSIS REPORT

Attention: JACKSON KIKER
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P.O. Number: AH01972-74
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Sample Description: MW-NASB-TB01-03
Sample Type: QA/QC

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time		Analysis Date/Time		Analyst
trans-1,2-Dichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005	22:11	03/15/2005	3:23	NMI
trans-1,3-Dichloropropene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005	22:11	03/15/2005	3:23	NMI
Trichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005	22:11	03/15/2005	3:23	NMI
Trichlorofluoromethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005	22:11	03/15/2005	3:23	NMI
Vinyl Chloride	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005	22:11	03/15/2005	3:23	NMI
tert-Butanol (TBA)	20	U	ug/L	20	EPA 8260B	03/14/2005	22:11	03/15/2005	3:23	NMI
Methylene Chloride	5.0	U	ug/L	5.0	EPA 8260B	03/14/2005	22:11	03/15/2005	3:23	NMI
Tetrahydrofuran	5.0	U	ug/L	5.0	EPA 8260B	03/14/2005	22:11	03/15/2005	3:23	NMI
4-Bromofluorobenzene (Surrogate)	99		%	70	EPA 8260B	03/14/2005	22:11	03/15/2005	3:23	NMI

* *The "U" qualifier indicates the compound was analyzed for but not detected.*
Initial analysis yielded internal standard areas deviations. Reanalysis did not yield internal area deviations, however there was carryover from the previous sample in some of the later eluting compounds. Both sets of data are included in the data package.

EPA 8260-BNAS Fuel Farm Re-Analysis

Benzene	1.0	U	ug/L	1.0	EPA 8260B	03/14/2005	22:11	03/15/2005	9:22	NMI
Ethylbenzene	1.0	U	ug/L	1.0	EPA 8260B	03/14/2005	22:11	03/15/2005	9:22	NMI
m,p-Xylene	1.0	U	ug/L	1.0	EPA 8260B	03/14/2005	22:11	03/15/2005	9:22	NMI
o-Xylene	1.0	U	ug/L	1.0	EPA 8260B	03/14/2005	22:11	03/15/2005	9:22	NMI
t-Butyl-Methyl Ether	1.0	U	ug/L	1.0	EPA 8260B	03/14/2005	22:11	03/15/2005	9:22	NMI
Toluene	1.0	U	ug/L	1.0	EPA 8260B	03/14/2005	22:11	03/15/2005	9:22	NMI
1,2,4-Trichlorobenzene	1.2	J,B	ug/L	2.0	EPA 8260B	03/14/2005	22:11	03/15/2005	9:22	NMI
Naphthalene	1.6	J,B	ug/L	2.0	EPA 8260B	03/14/2005	22:11	03/15/2005	9:22	NMI
2-Butanone	10	U	ug/L	10	EPA 8260B	03/14/2005	22:11	03/15/2005	9:22	NMI
2-Hexanone	10	U	ug/L	10	EPA 8260B	03/14/2005	22:11	03/15/2005	9:22	NMI
Acetone	10	U	ug/L	10	EPA 8260B	03/14/2005	22:11	03/15/2005	9:22	NMI
Methyl isobutyl ketone	10	U	ug/L	10	EPA 8260B	03/14/2005	22:11	03/15/2005	9:22	NMI
1,2-Dichloroethane-d4 (Surrogate)	100		%	60	EPA 8260B	03/14/2005	22:11	03/15/2005	9:22	NMI
4-Bromofluorobenzene (Surrogate)	106		%	70	EPA 8260B	03/14/2005	22:11	03/15/2005	9:22	NMI
Toluene-d8 (Surrogate)	112		%	70	EPA 8260B	03/14/2005	22:11	03/15/2005	9:22	NMI
1,1,1,2-Tetrachloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005	22:11	03/15/2005	9:22	NMI
1,1,1-Trichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005	22:11	03/15/2005	9:22	NMI
1,1,2,2-Tetrachloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005	22:11	03/15/2005	9:22	NMI
1,1,2-Trichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005	22:11	03/15/2005	9:22	NMI
1,1-Dichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005	22:11	03/15/2005	9:22	NMI

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ANALYSIS REPORT

Attention: JACKSON KIKER
ECC
DANGELO DR
MARLBORO MA 01752

Lab ID Number: AH01974
Project Number: NASB Old Navy Fue Farm
P.O. Number: AH01972-74
Date Collected: 03/08/2005 08:00 AM
DateReceived: 03/08/2005 05:15 PM
Date Reported: 03/28/2005

Sample Matrix: T-BLANK
Sample Description: MW-NASB-TB01-03
Sample Type: QA/QC

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time	Analysis Date/Time	Analyst
1,1-Dichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:22	NMI
1,1-Dichloropropene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:22	NMI
1,2,3-Trichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:22	NMI
1,2,4-Trimethylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:22	NMI
1,2-Dibromo-3-Chloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:22	NMI
1,2-Dibromoethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:22	NMI
1,2-Dichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:22	NMI
1,2-Dichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:22	NMI
1,2-Dichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:22	NMI
1,3,5-Trimethylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:22	NMI
1,3-Dichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:22	NMI
1,3-Dichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:22	NMI
1,4-Dichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:22	NMI
2,2-Dichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:22	NMI
2-Chlorotoluene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:22	NMI
2-Methoxy-2-Methylbutane (TAME)	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:22	NMI
4-Chlorotoluene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:22	NMI
4-Isopropyltoluene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:22	NMI
Bromobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:22	NMI
Bromochloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:22	NMI
Bromodichloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:22	NMI
Bromoform	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:22	NMI
Bromomethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:22	NMI
Carbon Disulfide	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:22	NMI
Carbon Tetrachloride	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:22	NMI
Chlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:22	NMI
Chloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:22	NMI
Chloroform	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:22	NMI
Chloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:22	NMI
cis-1,2-Dichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:22	NMI
cis-1,3-Dichloropropene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:22	NMI
Dibromochloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:22	NMI
Dibromomethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:22	NMI

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ANALYSIS REPORT

Attention: JACKSON KIKER
ECC
DANGELO DR
MARLBORO MA 01752

Lab ID Number: AH01974
Project Number: NASB Old Navy Fue Farm
P.O. Number: AH01972-74
Date Collected: 03/08/2005 08:00 AM
DateReceived: 03/08/2005 05:15 PM
Date Reported: 03/28/2005

Sample Matrix: T-BLANK
Sample Description: MW-NASB-TB01-03
Sample Type: QA/QC

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time		Analysis Date/Time		Analyst
Dichlorodifluoromethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005	22:11	03/15/2005	9:22	NMI
Diethyl Ether	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005	22:11	03/15/2005	9:22	NMI
Diisopropyl ether (DIPE)	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005	22:11	03/15/2005	9:22	NMI
Ethyl-t-butyl-ether (ETBE)	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005	22:11	03/15/2005	9:22	NMI
Isopropylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005	22:11	03/15/2005	9:22	NMI
n-Butylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005	22:11	03/15/2005	9:22	NMI
n-Propylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005	22:11	03/15/2005	9:22	NMI
sec-Butylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005	22:11	03/15/2005	9:22	NMI
Styrene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005	22:11	03/15/2005	9:22	NMI
tert-Butylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005	22:11	03/15/2005	9:22	NMI
Tetrachloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005	22:11	03/15/2005	9:22	NMI
trans-1,2-Dichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005	22:11	03/15/2005	9:22	NMI
trans-1,3-Dichloropropene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005	22:11	03/15/2005	9:22	NMI
Trichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005	22:11	03/15/2005	9:22	NMI
Trichlorofluoromethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005	22:11	03/15/2005	9:22	NMI
Vinyl Chloride	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005	22:11	03/15/2005	9:22	NMI
1,2,3-Trichlorobenzene	2.3	B	ug/L	2.0	EPA 8260B	03/14/2005	22:11	03/15/2005	9:22	NMI
tert-Butanol (TBA)	20	U	ug/L	20	EPA 8260B	03/14/2005	22:11	03/15/2005	9:22	NMI
Hexachlorobutadiene	3.0	B	ug/L	2.0	EPA 8260B	03/14/2005	22:11	03/15/2005	9:22	NMI
Methylene Chloride	5.0	U	ug/L	5.0	EPA 8260B	03/14/2005	22:11	03/15/2005	9:22	NMI
Tetrahydrofuran	5.0	U	ug/L	5.0	EPA 8260B	03/14/2005	22:11	03/15/2005	9:22	NMI

* *The "J" value denotes an estimated concentration below the laboratory's normal reporting limit.*
The "B" value denotes a compound found in the daily method blank. The concentrations of 1,2,4-Trichlorobenzene, Hexachlorobutadiene, Naphthalene, and 1,2,3-Trichlorobenzene in the daily method blank was 0.63 ug/L, 1.4 ug/L, 0.89 ug/L and 1.3 ug/L , respectively.
The "U" qualifier indicates the compound was analyzed for but not detected.
Initial analysis yielded internal standard areas deviations. Reanalysis did not yield internal area deviations, however there was carryover from the previous sample in some of the later eluting compounds.

Gasoline Range Organics Water

Benzene	1.0	U	ug/L	1.0	MEDEP 4.2.17	03/14/2005	9:51	03/14/2005	15:10	ECT
Ethyl benzene	1.0	U	ug/L	1.0	MEDEP 4.2.17	03/14/2005	9:51	03/14/2005	15:10	ECT
Toluene	1.0	U	ug/L	1.0	MEDEP 4.2.17	03/14/2005	9:51	03/14/2005	15:10	ECT
Total xylenes	1.0	U	ug/L	1.0	MEDEP 4.2.17	03/14/2005	9:51	03/14/2005	15:10	ECT
GROAQ	10	U	ug/L	10.0	MEDEP 4.2.17	03/14/2005	9:51	03/14/2005	15:10	ECT
4-Bromofluorobenzene (Surrogate)	101		%	60	MEDEP 4.2.17	03/14/2005	9:51	03/14/2005	15:10	ECT
MTBE (Methyl-t-Butyl Ether)	2.0	U	ug/L	2.0	MEDEP 4.2.17	03/14/2005	9:51	03/14/2005	15:10	ECT

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ANALYSIS REPORT

Attention: JACKSON KIKER
ECC
DANGELO DR
MARLBORO MA 01752

Lab ID Number: AH01974
Project Number: NASB Old Navy Fue Farm
P.O. Number: AH01972-74
Date Collected: 03/08/2005 08:00 AM
DateReceived: 03/08/2005 05:15 PM
Date Reported: 03/28/2005

Sample Matrix: T-BLANK
Sample Description: MW-NASB-TB01-03
Sample Type: QA/QC

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time	Analysis Date/Time	Analyst

** The "U" qualifier indicates the compound was analyzed for but not detected.*

Comments:

Please see the specific analysis comment(s) above.

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Results meet the requirements of the NELAC standards unless otherwise noted above.

Reviewed By: Kelly A. Perkins **Review Date:** 03/28/2005

Kelly Perkins, Lab Manager

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ANALYSIS REPORT

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TO: ECC

DATE SAMPLED: 03/08/2005
DATE RECEIVED: 03/08/2005
DATE ANALYZED: 03/14/2005
DATE REPORTED: 03/28/2005

LABORATORY NUMBER: AH01974
SAMPLE MATRIX: T-BLANK
ANALYST: ECT
SDG #: ECC030805

SAMPLE DESCRIPTION: MW-NASB-TB01-03

GASOLINE RANGE ORGANICS (GRO)

NEL Sample #	Client Identification	GRO Results ug/L (ppb)	Qualifier	MTBE & BTEX ug/L (ppb)*	Qualifier	Reporting Limit	Surrogate Recovery 4-BFB**
AH01974	MW-NASB-TB01-03	10	U	MTBE:2.0	U	2	101%
				Benzene:1.0	U	1	
				Toluene:1.0	U	1	
				EthylBenzene:1.0	U	1	
				TotalXylenes:1.0	U	1	

The "U" qualifier indicates the compound was analyzed for but not detected.

Results meet the requirements of the NELAC standards

* Identification of MTBE and the BTEX compounds is based on retention times on the primary column. Identity has not been confirmed. Because of the possibility of co-eluting compounds, these quantitations may be higher than the actual concentration. For a more accurate or EPA approved quantitation of these compounds request Method 8260.

**4-Bromofluorobenzene is added to the sample as a means of assessing the validity of the analysis.

NOTE: See attached method information.

Analysis was conducted according to Maine method 4.2.17, "Method for Determining Gasoline Range Organics".

Reviewed By: Kelly A. Perkins Date: 3/28/2005
Kelly Perkins, Lab Manager

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ANALYSIS REPORT

Attention: JACKSON KIKER
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50 DANGELO DR
MARLBORO MA 01752

Lab ID Number: AH02009
Project Number: Old Navy Fuel Farm
P.O. Number: AH02009-10
Date Collected: 03/09/2005 01:15 PM
DateReceived: 03/09/2005 04:15 PM
Date Reported: 03/28/2005

Sample Matrix: G-WATER
Sample Description: MW-NASB-703
Sample Type: Grab

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time	Analysis Date/Time	Analyst
EPA 8260-BNAS Fuel Farm								
Benzene	1.0	U	ug/L	1.0	EPA 8260B	03/11/2005 15:36	03/11/2005 21:59	NMI
Ethylbenzene	1.0	U	ug/L	1.0	EPA 8260B	03/11/2005 15:36	03/11/2005 21:59	NMI
m,p-Xylene	1.0	U	ug/L	1.0	EPA 8260B	03/11/2005 15:36	03/11/2005 21:59	NMI
o-Xylene	1.0	U	ug/L	1.0	EPA 8260B	03/11/2005 15:36	03/11/2005 21:59	NMI
t-Butyl-Methyl Ether	1.0	U	ug/L	1.0	EPA 8260B	03/11/2005 15:36	03/11/2005 21:59	NMI
Toluene	1.0	U	ug/L	1.0	EPA 8260B	03/11/2005 15:36	03/11/2005 21:59	NMI
2-Butanone	10	U	ug/L	10	EPA 8260B	03/11/2005 15:36	03/11/2005 21:59	NMI
2-Hexanone	10	U	ug/L	10	EPA 8260B	03/11/2005 15:36	03/11/2005 21:59	NMI
Acetone	10	U	ug/L	10	EPA 8260B	03/11/2005 15:36	03/11/2005 21:59	NMI
Methyl isobutyl ketone	10	U	ug/L	10	EPA 8260B	03/11/2005 15:36	03/11/2005 21:59	NMI
Toluene-d8 (Surrogate)	104		%	70	EPA 8260B	03/11/2005 15:36	03/11/2005 21:59	NMI
1,2-Dichloroethane-d4 (Surrogate)	122		%	60	EPA 8260B	03/11/2005 15:36	03/11/2005 21:59	NMI
1,1,1,2-Tetrachloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 21:59	NMI
1,1,1-Trichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 21:59	NMI
1,1,2,2-Tetrachloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 21:59	NMI
1,1,2-Trichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 21:59	NMI
1,1-Dichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 21:59	NMI
1,1-Dichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 21:59	NMI
1,1-Dichloropropene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 21:59	NMI
1,2,3-Trichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 21:59	NMI
1,2,3-Trichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 21:59	NMI
1,2,4-Trichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 21:59	NMI
1,2,4-Trimethylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 21:59	NMI
1,2-Dibromo-3-Chloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 21:59	NMI
1,2-Dibromoethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 21:59	NMI
1,2-Dichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 21:59	NMI
1,2-Dichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 21:59	NMI
1,2-Dichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 21:59	NMI
1,3,5-Trimethylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 21:59	NMI
1,3-Dichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 21:59	NMI
1,3-Dichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 21:59	NMI
1,4-Dichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 21:59	NMI

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ANALYSIS REPORT

Attention: JACKSON KIKER
ECC

50 DANGELO DR
MARLBORO MA 01752

Lab ID Number: AH02009
Project Number: Old Navy Fuel Farm
P.O. Number: AH02009-10
Date Collected: 03/09/2005 01:15 PM
DateReceived: 03/09/2005 04:15 PM
Date Reported: 03/28/2005

Sample Matrix: G-WATER
Sample Description: MW-NASB-703
Sample Type: Grab

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time	Analysis Date/Time	Analyst
2,2-Dichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 21:59	NMI
2-Chlorotoluene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 21:59	NMI
2-Methoxy-2-Methylbutane (TAME)	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 21:59	NMI
4-Chlorotoluene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 21:59	NMI
4-Isopropyltoluene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 21:59	NMI
Bromobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 21:59	NMI
Bromochloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 21:59	NMI
Bromodichloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 21:59	NMI
Bromoform	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 21:59	NMI
Bromomethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 21:59	NMI
Carbon Disulfide	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 21:59	NMI
Carbon Tetrachloride	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 21:59	NMI
Chlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 21:59	NMI
Chloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 21:59	NMI
Chloroform	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 21:59	NMI
Chloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 21:59	NMI
cis-1,2-Dichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 21:59	NMI
cis-1,3-Dichloropropene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 21:59	NMI
Dibromochloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 21:59	NMI
Dibromomethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 21:59	NMI
Dichlorodifluoromethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 21:59	NMI
Diethyl Ether	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 21:59	NMI
Diisopropyl ether (DIPE)	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 21:59	NMI
Ethyl-t-butyl-ether (ETBE)	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 21:59	NMI
Hexachlorobutadiene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 21:59	NMI
Isopropylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 21:59	NMI
Naphthalene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 21:59	NMI
n-Butylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 21:59	NMI
n-Propylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 21:59	NMI
sec-Butylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 21:59	NMI
Styrene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 21:59	NMI
tert-Butylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 21:59	NMI
Tetrachloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 21:59	NMI

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ANALYSIS REPORT

Attention: JACKSON KIKER
ECC

50 DANGELO DR
MARLBORO MA 01752

Lab ID Number: AH02009
Project Number: Old Navy Fuel Farm
P.O. Number: AH02009-10
Date Collected: 03/09/2005 01:15 PM
DateReceived: 03/09/2005 04:15 PM
Date Reported: 03/28/2005

Sample Matrix: G-WATER
Sample Description: MW-NASB-703
Sample Type: Grab

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time		Analysis Date/Time		Analyst
trans-1,2-Dichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	21:59	NMI
trans-1,3-Dichloropropene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	21:59	NMI
Trichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	21:59	NMI
Trichlorofluoromethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	21:59	NMI
Vinyl Chloride	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	21:59	NMI
tert-Butanol (TBA)	20	U	ug/L	20	EPA 8260B	03/11/2005	15:36	03/11/2005	21:59	NMI
Methylene Chloride	5.0	U	ug/L	5.0	EPA 8260B	03/11/2005	15:36	03/11/2005	21:59	NMI
Tetrahydrofuran	5.0	U	ug/L	5.0	EPA 8260B	03/11/2005	15:36	03/11/2005	21:59	NMI
4-Bromofluorobenzene (Surrogate)	99		%	70	EPA 8260B	03/11/2005	15:36	03/11/2005	21:59	NMI
* *The "U" qualifier indicates the compound was analyzed for but not detected.*										
Diesel Range Organics Water										
Diesel Range Organics	50	U	ug/L	50	MEDEP 4.1.25	03/10/2005	12:50	03/10/2005	20:08	ECT
p-terphenyl (Surrogate)	92		%	60	MEDEP 4.1.25	03/10/2005	12:50	03/10/2005	20:08	ECT
Total Petroleum Hydrocarbons	na		ug/L	50	MEDEP 4.1.25	03/10/2005	12:50	03/10/2005	20:08	ECT
* *The "U" qualifier indicates the compound was analyzed for but not detected.*										
Gasoline Range Organics Water										
Benzene	1.0	U	ug/L	1.0	MEDEP 4.2.17	03/14/2005	9:51	03/14/2005	16:34	ECT
Ethyl benzene	1.0	U	ug/L	1.0	MEDEP 4.2.17	03/14/2005	9:51	03/14/2005	16:34	ECT
Toluene	1.0	U	ug/L	1.0	MEDEP 4.2.17	03/14/2005	9:51	03/14/2005	16:34	ECT
Total xylenes	1.0	U	ug/L	1.0	MEDEP 4.2.17	03/14/2005	9:51	03/14/2005	16:34	ECT
GROAQ	10	U	ug/L	10.0	MEDEP 4.2.17	03/14/2005	9:51	03/14/2005	16:34	ECT
4-Bromofluorobenzene (Surrogate)	105		%	60	MEDEP 4.2.17	03/14/2005	9:51	03/14/2005	16:34	ECT
MTBE (Methyl-t-Butyl Ether)	2.0	U	ug/L	2.0	MEDEP 4.2.17	03/14/2005	9:51	03/14/2005	16:34	ECT
* *The "U" qualifier indicates the compound was analyzed for but not detected.*										
Alkalinity, Titrimetic	13		mg/L	1	EPA 310.1	03/10/2005	13:38	03/10/2005	16:38	KLM
MEDEP 4.125-Prep Water	Completed		Date	-	MEDEP 4.125	03/10/2005	12:50	03/10/2005	13:50	JNM
Ferrous Iron	220		ug/L	25.0	SM 3500 Fe D	03/10/2005	9:00	03/10/2005	11:00	KRN
Nitrate-N	0.8		mg/L	0.1	EPA 353.2	03/11/2005	9:41	03/11/2005	9:56	JS
Sulfate	18		mg/L	1.0	EPA 9056	03/10/2005	10:01	03/10/2005	17:15	JS
Total Organic Carbon	2.6		mg/L	1	EPA 415.1	03/15/2005	7:29	03/15/2005	14:32	JJC

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ANALYSIS REPORT

Attention: JACKSON KIKER
ECC

50 DANGELO DR
MARLBORO MA 01752

Lab ID Number: AH02009
Project Number: Old Navy Fuel Farm
P.O. Number: AH02009-10
Date Collected: 03/09/2005 01:15 PM
DateReceived: 03/09/2005 04:15 PM
Date Reported: 03/28/2005

Sample Matrix: G-WATER
Sample Description: MW-NASB-703
Sample Type: Grab

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time	Analysis Date/Time	Analyst

Comments:

Results are reported on a wet weight basis.

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Results meet the requirements of the NELAC standards unless otherwise noted above.

Reviewed By: Kelly A. Perkins **Review Date:** 03/28/2005
Kelly Perkins, Lab Manager

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ANALYSIS REPORT

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TO: ECC

DATE SAMPLED:	03/09/2005	LABORATORY NUMBER:	AH02009
DATE RECEIVED:	03/09/2005	SAMPLE MATRIX:	G-WATER
DATE EXTRACTED:	03/10/2005	ANALYST:	ECT
DATE ANALYZED:	03/10/2005	SDG #:	ECC030905
DATE REPORTED:	03/28/2005		

SAMPLE DESCRIPTION: MW-NASB-703

DIESEL RANGE ORGANICS (DRO)

METHOD SUMMARY:

The water sample is defined as the entire contents of the container including any soil or secondary phase material present. The sample was extracted three (3) times with methylene chloride using a liguid/liquid extraction technique with sodium chloride added to increase the extraction efficiency. The combined extract was passed through anhydrous sodium sulfate to remove water and was concentrated using a Zymark Turbovap Concentrator or Kuderna-Danish Concentrator. The final extract and/or dilutions of the extract were analyzed using high-resolution capillary FID Gas Chromatography (J & W DB-1 column, 0.25 micron phase, 0.32mm ID, 30 meter). The sample chromatograms were compared to hydrocarbon standard chromatograms for descriptive purposes and were compared to a DRO component standard for quantification of results.

QUANTITATION/DESCRIPTION:

NEL Sample#	Client Identification	DRO Results ug/L (ppb)*	Qualifier	Surrogate Recovery p-Terphenyl**
AH02009	MW-NASB-703	50	U	92%

The "U" qualifier indicates the compound was analyzed for but not detected.

Results meet the requirements of the NELAC standards

NOTE:

Identification of pristane, phytane, and the n-alkanes is based on chromatographic patterns and retention times on a single column. Identity has not been confirmed. Several petroleum products have chromatographic profiles similar to one another; and product profiles change as weathering occurs. Descriptive/interpretive data has been provided for guidance only. Identity of products (either weathered or unweathered) should not be considered conclusive.

* Quantitation is based on a DRO component standard, utilizing a method defined window from carbon number 10 to 28 inclusive.

**p-Terphenyl is added to the sample prior to extraction as a means of assessing the validity of the analysis.

[ ] In instances in which the material outside the DRO window exceeds 25% of DRO, an estimated total TPH result (aproximately carbon number 9 to 40) will be given in brackets following the DRO result, utilizing the response of a DRO component standard. Only total TPH results exceeding 50 ug/L (ppb) will be listed.

Analysis was conducted according to Maine method 4.1.25, "Method for Determining Diesel Range Organics." The DRO Practical Quantitation Limit is 50 ug/L (ppb)*.

Reviewed By: Kelly A. Perkins Date: 3/28/2005
Kelly Perkins, Lab Manager

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TO: ECC

DATE SAMPLED: 03/09/2005
DATE RECEIVED: 03/09/2005
DATE ANALYZED: 03/14/2005
DATE REPORTED: 03/28/2005

LABORATORY NUMBER: AH02009
SAMPLE MATRIX: G-WATER
ANALYST: ECT
SDG #: ECC030905

SAMPLE DESCRIPTION: MW-NASB-703

GASOLINE RANGE ORGANICS (GRO)

NEL Sample #	Client Identification	GRO Results ug/L (ppb)	Qualifier	MTBE & BTEX ug/L (ppb)*	Qualifier	Reporting Limit	Surrogate Recovery 4-BFB**
AH02009	MW-NASB-703	10	U	MTBE:2.0	U	2	105%
				Benzene:1.0	U	1	
				Toluene:1.0	U	1	
				EthylBenzene:1.0	U	1	
				TotalXylenes:1.0	U	1	

The "U" qualifier indicates the compound was analyzed for but not detected.

Results meet the requirements of the NELAC standards

* Identification of MTBE and the BTEX compounds is based on retention times on the primary column. Identity has not been confirmed. Because of the possibility of co-eluting compounds, these quantitations may be higher than the actual concentration. For a more accurate or EPA approved quantitation of these compounds request Method 8260.

**4-Bromofluorobenzene is added to the sample as a means of assessing the validity of the analysis.

NOTE: See attached method information.

Analysis was conducted according to Maine method 4.2.17, "Method for Determining Gasoline Range Organics".

Reviewed By: Kelly A. Perkins Date: 3/28/2005
Kelly Perkins, Lab Manager

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ANALYSIS REPORT

Attention: JACKSON KIKER
ECC

50 DANGELO DR
MARLBORO MA 01752

Lab ID Number: AH02010
Project Number: Old Navy Fuel Farm
P.O. Number: AH02009-10
Date Collected: 03/09/2005 08:00 AM
DateReceived: 03/09/2005 04:15 PM
Date Reported: 03/28/2005

Sample Matrix: T-BLANK
Sample Description: MW-NASB-TB04-06
Sample Type: QA/QC

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time	Analysis Date/Time	Analyst
EPA 8260-BNAS Fuel Farm								
Benzene	1.0	U	ug/L	1.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:58	NMI
Ethylbenzene	1.0	U	ug/L	1.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:58	NMI
m,p-Xylene	1.0	U	ug/L	1.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:58	NMI
o-Xylene	1.0	U	ug/L	1.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:58	NMI
t-Butyl-Methyl Ether	1.0	U	ug/L	1.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:58	NMI
Toluene	1.0	U	ug/L	1.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:58	NMI
2-Butanone	10	U	ug/L	10	EPA 8260B	03/14/2005 22:11	03/15/2005 3:58	NMI
2-Hexanone	10	U	ug/L	10	EPA 8260B	03/14/2005 22:11	03/15/2005 3:58	NMI
Acetone	10	U	ug/L	10	EPA 8260B	03/14/2005 22:11	03/15/2005 3:58	NMI
Methyl isobutyl ketone	10	U	ug/L	10	EPA 8260B	03/14/2005 22:11	03/15/2005 3:58	NMI
Toluene-d8 (Surrogate)	108		%	70	EPA 8260B	03/14/2005 22:11	03/15/2005 3:58	NMI
1,2-Dichloroethane-d4 (Surrogate)	134		%	60	EPA 8260B	03/14/2005 22:11	03/15/2005 3:58	NMI
1,1,1,2-Tetrachloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:58	NMI
1,1,1-Trichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:58	NMI
1,1,2,2-Tetrachloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:58	NMI
1,1,2-Trichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:58	NMI
1,1-Dichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:58	NMI
1,1-Dichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:58	NMI
1,1-Dichloropropene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:58	NMI
1,2,3-Trichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:58	NMI
1,2,3-Trichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:58	NMI
1,2,4-Trichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:58	NMI
1,2,4-Trimethylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:58	NMI
1,2-Dibromo-3-Chloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:58	NMI
1,2-Dibromoethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:58	NMI
1,2-Dichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:58	NMI
1,2-Dichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:58	NMI
1,2-Dichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:58	NMI
1,3,5-Trimethylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:58	NMI
1,3-Dichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:58	NMI
1,3-Dichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:58	NMI
1,4-Dichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:58	NMI

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Lab ID Number: AH02010
Project Number: Old Navy Fuel Farm
P.O. Number: AH02009-10
Date Collected: 03/09/2005 08:00 AM
DateReceived: 03/09/2005 04:15 PM
Date Reported: 03/28/2005

Sample Matrix: T-BLANK
Sample Description: MW-NASB-TB04-06
Sample Type: QA/QC

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time	Analysis Date/Time	Analyst
2,2-Dichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:58	NMI
2-Chlorotoluene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:58	NMI
2-Methoxy-2-Methylbutane (TAME)	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:58	NMI
4-Chlorotoluene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:58	NMI
4-Isopropyltoluene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:58	NMI
Bromobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:58	NMI
Bromochloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:58	NMI
Bromodichloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:58	NMI
Bromoform	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:58	NMI
Bromomethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:58	NMI
Carbon Disulfide	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:58	NMI
Carbon Tetrachloride	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:58	NMI
Chlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:58	NMI
Chloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:58	NMI
Chloroform	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:58	NMI
Chloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:58	NMI
cis-1,2-Dichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:58	NMI
cis-1,3-Dichloropropene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:58	NMI
Dibromochloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:58	NMI
Dibromomethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:58	NMI
Dichlorodifluoromethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:58	NMI
Diethyl Ether	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:58	NMI
Diisopropyl ether (DIPE)	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:58	NMI
Ethyl-t-butyl-ether (ETBE)	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:58	NMI
Hexachlorobutadiene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:58	NMI
Isopropylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:58	NMI
Naphthalene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:58	NMI
n-Butylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:58	NMI
n-Propylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:58	NMI
sec-Butylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:58	NMI
Styrene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:58	NMI
tert-Butylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:58	NMI
Tetrachloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 3:58	NMI

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ANALYSIS REPORT

Attention: JACKSON KIKER
ECC

50 DANGELO DR
MARLBORÓ MA 01752

Lab ID Number: AH02010
Project Number: Old Navy Fuel Farm
P.O. Number: AH02009-10
Date Collected: 03/09/2005 08:00 AM
DateReceived: 03/09/2005 04:15 PM
Date Reported: 03/28/2005

Sample Matrix: T-BLANK
Sample Description: MW-NASB-TB04-06
Sample Type: QA/QC

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time		Analysis Date/Time		Analyst
trans-1,2-Dichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005	22:11	03/15/2005	3:58	NMI
trans-1,3-Dichloropropene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005	22:11	03/15/2005	3:58	NMI
Trichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005	22:11	03/15/2005	3:58	NMI
Trichlorofluoromethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005	22:11	03/15/2005	3:58	NMI
Vinyl Chloride	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005	22:11	03/15/2005	3:58	NMI
tert-Butanol (TBA)	20	U	ug/L	20	EPA 8260B	03/14/2005	22:11	03/15/2005	3:58	NMI
Methylene Chloride	5.0	U	ug/L	5.0	EPA 8260B	03/14/2005	22:11	03/15/2005	3:58	NMI
Tetrahydrofuran	5.0	U	ug/L	5.0	EPA 8260B	03/14/2005	22:11	03/15/2005	3:58	NMI
4-Bromofluorobenzene (Surrogate)	97		%	70	EPA 8260B	03/14/2005	22:11	03/15/2005	3:58	NMI

** The "U" qualifier indicates the compound was analyzed for but not detected.*

Gasoline Range Organics Water

Benzene	1.0	U	ug/L	1.0	MEDEP 4.2.17	03/14/2005	9:51	03/14/2005	17:17	ECT
Ethyl benzene	1.0	U	ug/L	1.0	MEDEP 4.2.17	03/14/2005	9:51	03/14/2005	17:17	ECT
Toluene	1.0	U	ug/L	1.0	MEDEP 4.2.17	03/14/2005	9:51	03/14/2005	17:17	ECT
Total xylenes	1.0		ug/L	1.0	MEDEP 4.2.17	03/14/2005	9:51	03/14/2005	17:17	ECT
GROAQ	10	U	ug/L	10.0	MEDEP 4.2.17	03/14/2005	9:51	03/14/2005	17:17	ECT
4-Bromofluorobenzene (Surrogate)	103		%	60	MEDEP 4.2.17	03/14/2005	9:51	03/14/2005	17:17	ECT
MTBE (Methyl-t-Butyl Ether)	2.0	U	ug/L	2.0	MEDEP 4.2.17	03/14/2005	9:51	03/14/2005	17:17	ECT

** The "U" qualifier indicates the compound was analyzed for but not detected.*

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ANALYSIS REPORT

Attention: JACKSON KIKER
ECC

50 DANGELO DR
MARLBORO MA 01752

Lab ID Number: AH02010
Project Number: Old Navy Fuel Farm
P.O. Number: AH02009-10
Date Collected: 03/09/2005 08:00 AM
DateReceived: 03/09/2005 04:15 PM
Date Reported: 03/28/2005

Sample Matrix: T-BLANK
Sample Description: MW-NASB-TB04-06
Sample Type: QA/QC

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time	Analysis Date/Time	Analyst

Comments:

Please see the specific analysis comment(s) above.

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Results meet the requirements of the NELAC standards unless otherwise noted above.

Reviewed By: Kelly A. Perkins **Review Date:** 03/28/2005

Kelly Perkins, Lab Manager

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TO: ECC

DATE SAMPLED: 03/09/2005
DATE RECEIVED: 03/09/2005
DATE ANALYZED: 03/14/2005
DATE REPORTED: 03/28/2005

LABORATORY NUMBER: AH02010
SAMPLE MATRIX: T-BLANK
ANALYST: ECT
SDG #: ECC030905

SAMPLE DESCRIPTION: MW-NASB-TB04-06

GASOLINE RANGE ORGANICS (GRO)

NEL Sample #	Client Identification	GRO Results ug/L (ppb)	Qualifier	MTBE & BTEX ug/L (ppb)*	Qualifier	Reporting Limit	Surrogate Recovery 4-BFB**
AH02010	MW-NASB-TB04-06	10	U	MTBE:2.0	U	2	103%
				Benzene:1.0	U	1	
				Toluene:1.0	U	1	
				EthylBenzene:1.0	U	1	
				TotalXylenes:1.0		1	

The "U" qualifier indicates the compound was analyzed for but not detected.

Results meet the requirements of the NELAC standards

* Identification of MTBE and the BTEX compounds is based on retention times on the primary column. Identity has not been confirmed. Because of the possibility of co-eluting compounds, these quantitations may be higher than the actual concentration. For a more accurate or EPA approved quantitation of these compounds request Method 8260.

**4-Bromofluorobenzene is added to the sample as a means of assessing the validity of the analysis.

NOTE: See attached method information.

Analysis was conducted according to Maine method 4.2.17, "Method for Determining Gasoline Range Organics".

Reviewed By: Kelly A. Perkins Date: 3/28/2005
Kelly Perkins, Lab Manager

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ANALYSIS REPORT

Attention: JACKSON KIKER
ECC
50 DANGELO DR
MARLBORO MA 01752

Lab ID Number: AH02047
Project Number: BNAS Old Navy Fuel Farm
P.O. Number: 5700
Date Collected: 03/10/2005 09:30 AM
DateReceived: 03/10/2005 04:30 PM
Date Reported: 03/28/2005

Sample Matrix: G-WATER
Sample Description: MW-NASB-062
Sample Type: Unknown

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time	Analysis Date/Time	Analyst
EPA 8260-BNAS Fuel Farm								
Benzene	1.0	U	ug/L	1.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:57	NMI
Ethylbenzene	1.0	U	ug/L	1.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:57	NMI
m,p-Xylene	1.0	U	ug/L	1.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:57	NMI
o-Xylene	1.0	U	ug/L	1.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:57	NMI
t-Butyl-Methyl Ether	1.0	U	ug/L	1.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:57	NMI
Toluene	1.0	U	ug/L	1.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:57	NMI
2-Butanone	10	U	ug/L	10	EPA 8260B	03/14/2005 22:11	03/15/2005 9:57	NMI
2-Hexanone	10	U	ug/L	10	EPA 8260B	03/14/2005 22:11	03/15/2005 9:57	NMI
Acetone	10	U	ug/L	10	EPA 8260B	03/14/2005 22:11	03/15/2005 9:57	NMI
Methyl isobutyl ketone	10	U	ug/L	10	EPA 8260B	03/14/2005 22:11	03/15/2005 9:57	NMI
1,1,1,2-Tetrachloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:57	NMI
1,1,1-Trichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:57	NMI
1,1,2,2-Tetrachloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:57	NMI
1,1,2-Trichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:57	NMI
1,1-Dichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:57	NMI
1,1-Dichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:57	NMI
1,1-Dichloropropene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:57	NMI
1,2,3-Trichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:57	NMI
1,2,3-Trichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:57	NMI
1,2,4-Trichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:57	NMI
1,2,4-Trimethylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:57	NMI
1,2-Dibromo-3-Chloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:57	NMI
1,2-Dibromoethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:57	NMI
1,2-Dichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:57	NMI
1,2-Dichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:57	NMI
1,2-Dichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:57	NMI
1,3,5-Trimethylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:57	NMI
1,3-Dichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:57	NMI
1,3-Dichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:57	NMI
1,4-Dichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:57	NMI
2,2-Dichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:57	NMI
2-Chlorotoluene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:57	NMI

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ANALYSIS REPORT

Attention: JACKSON KIKER
ECC
50 DANGELO DR
MARLBORO MA 01752

Lab ID Number: AH02047
Project Number: BNAS Old Navy Fuel Farm
P.O. Number: 5700
Date Collected: 03/10/2005 09:30 AM
DateReceived: 03/10/2005 04:30 PM
Date Reported: 03/28/2005

Sample Matrix: G-WATER
Sample Description: MW-NASB-062
Sample Type: Unknown

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time	Analysis Date/Time	Analyst
2-Methoxy-2-Methylbutane (TAME)	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:57	NMI
4-Chlorotoluene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:57	NMI
4-Isopropyltoluene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:57	NMI
Bromobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:57	NMI
Bromochloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:57	NMI
Bromodichloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:57	NMI
Bromoform	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:57	NMI
Bromomethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:57	NMI
Carbon Disulfide	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:57	NMI
Carbon Tetrachloride	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:57	NMI
Chlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:57	NMI
Chloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:57	NMI
Chloroform	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:57	NMI
Chloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:57	NMI
cis-1,2-Dichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:57	NMI
cis-1,3-Dichloropropene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:57	NMI
Dibromochloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:57	NMI
Dibromomethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:57	NMI
Dichlorodifluoromethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:57	NMI
Diethyl Ether	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:57	NMI
Diisopropyl ether (DIPE)	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:57	NMI
Ethyl-t-butyl-ether (ETBE)	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:57	NMI
Hexachlorobutadiene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:57	NMI
Isopropylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:57	NMI
Naphthalene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:57	NMI
n-Butylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:57	NMI
n-Propylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:57	NMI
sec-Butylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:57	NMI
Styrene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:57	NMI
tert-Butylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:57	NMI
Tetrachloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:57	NMI
trans-1,2-Dichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:57	NMI
trans-1,3-Dichloropropene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 9:57	NMI

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ANALYSIS REPORT

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Attention: JACKSON KIKER
ECC
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MARLBORO MA 01752

Lab ID Number: AH02047
Project Number: BNAS Old Navy Fuel Farm
P.O. Number: 5700
Date Collected: 03/10/2005 09:30 AM
DateReceived: 03/10/2005 04:30 PM
Date Reported: 03/28/2005

Sample Matrix: G-WATER
Sample Description: MW-NASB-062
Sample Type: Unknown

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time		Analysis Date/Time		Analyst
Trichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005	22:11	03/15/2005	9:57	NMI
Trichlorofluoromethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005	22:11	03/15/2005	9:57	NMI
Vinyl Chloride	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005	22:11	03/15/2005	9:57	NMI
tert-Butanol (TBA)	20	U	ug/L	20	EPA 8260B	03/14/2005	22:11	03/15/2005	9:57	NMI
Methylene Chloride	5.0	U	ug/L	5.0	EPA 8260B	03/14/2005	22:11	03/15/2005	9:57	NMI
Tetrahydrofuran	5.0	U	ug/L	5.0	EPA 8260B	03/14/2005	22:11	03/15/2005	9:57	NMI
4-Bromofluorobenzene (Surrogate)	82		%	70	EPA 8260B	03/14/2005	22:11	03/15/2005	9:57	NMI
Toluene-d8 (Surrogate)	84		%	70	EPA 8260B	03/14/2005	22:11	03/15/2005	9:57	NMI
1,2-Dichloroethane-d4 (Surrogate)	86		%	60	EPA 8260B	03/14/2005	22:11	03/15/2005	9:57	NMI
* *The "U" qualifier indicates the compound was analyzed for but not detected.*										
Diesel Range Organics Water										
Diesel Range Organics	50	U	ug/L	50	MEDEP 4.1.25	03/14/2005	8:00	03/14/2005	18:16	ECT
p-terphenyl (Surrogate)	61		%	60	MEDEP 4.1.25	03/14/2005	8:00	03/14/2005	18:16	ECT
Total Petroleum Hydrocarbons	na		ug/L	50	MEDEP 4.1.25	03/14/2005	8:00	03/14/2005	18:16	ECT
* *The "U" qualifier indicates the compound was analyzed for but not detected.*										
Alkalinity, Titrimetic	8.8		mg/L	1	EPA 310.1	03/14/2005	11:23	03/14/2005	15:25	KLM
MEDEP 4.125-Prep Water	Completed		Date	-	MEDEP 4.125	03/14/2005	8:00	03/14/2005	9:45	JNM
Ferrous Iron	25	U	ug/L	25.0	SM 3500 Fe D	03/11/2005	10:00	03/11/2005	10:30	KRN
Nitrate-N	0.1	U	mg/L	0.1	EPA 353.2	03/11/2005	18:02	03/11/2005	18:18	JS
Sulfate	4.8		mg/L	1.0	EPA 9056	03/11/2005	10:01	03/11/2005	20:53	JS
Total Organic Carbon	3.1		mg/L	1	EPA 415.1	03/15/2005	7:29	03/15/2005	14:32	JJC

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ANALYSIS REPORT

Attention: JACKSON KIKER
ECC
50 DANGELO DR
MARLBORO MA 01752

Lab ID Number: AH02047
Project Number: BNAS Old Navy Fuel Farm
P.O. Number: 5700
Date Collected: 03/10/2005 09:30 AM
DateReceived: 03/10/2005 04:30 PM
Date Reported: 03/28/2005

Sample Matrix: G-WATER
Sample Description: MW-NASB-062
Sample Type: Unknown

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time	Analysis Date/Time	Analyst

Comments:

Results are reported on a wet weight basis.

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Results meet the requirements of the NELAC standards unless otherwise noted above.

Reviewed By: Kelly A. Perkins **Review Date:** 03/28/2005
Kelly Perkins, Lab Manager

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TO: ECC

DATE SAMPLED:	03/10/2005	LABORATORY NUMBER:	AH02047
DATE RECEIVED:	03/10/2005	SAMPLE MATRIX:	G-WATER
DATE EXTRACTED:	03/14/2005	ANALYST:	ECT
DATE ANALYZED:	03/14/2005	SDG #:	ECC031005
DATE REPORTED:	03/28/2005		

SAMPLE DESCRIPTION: MW-NASB-062

DIESEL RANGE ORGANICS (DRO)

METHOD SUMMARY:

The water sample is defined as the entire contents of the container including any soil or secondary phase material present. The sample was extracted three (3) times with methylene chloride using a liguid/liquid extraction technique with sodium chloride added to increase the extraction efficiency. The combined extract was passed through anhydrous sodium sulfate to remove water and was concentrated using a Zymark Turbovap Concentrator or Kuderna-Danish Concentrator. The final extract and/or dilutions of the extract were analyzed using high-resolution capillary FID Gas Chromatography (J & W DB-1 column, 0.25 micron phase, 0.32mm ID, 30 meter). The sample chromatograms were compared to hydrocarbon standard chromatograms for descriptive purposes and were compared to a DRO component standard for quantification of results.

QUANTITATION/DESCRIPTION:

NEL Sample#	Client Identification	DRO Results ug/L (ppb)*	Qualifier	Surrogate Recovery p-Terphenyl**
AH02047	MW-NASB-062	50	U	61%

The "U" qualifier indicates the compound was analyzed for but not detected.

Results meet the requirements of the NELAC standards

NOTE:

Identification of pristane, phytane, and the n-alkanes is based on chromatographic patterns and retention times on a single column. Identity has not been confirmed. Several petroleum products have chromatographic profiles similar to one another; and product profiles change as weathering occurs. Descriptive/interpretive data has been provided for guidance only. Identity of products (either weathered or unweathered) should not be considered conclusive.

* Quantitation is based on a DRO component standard, utilizing a method defined window from carbon number 10 to 28 inclusive.

**p-Terphenyl is added to the sample prior to extraction as a means of assessing the validity of the analysis.

[ ] In instances in which the material outside the DRO window exceeds 25% of DRO, an estimated total TPH result (aproximately carbon number 9 to 40) will be given in brackets following the DRO result, utilizing the response of a DRO component standard. Only total TPH results exceeding 50 ug/L (ppb) will be listed.

Analysis was conducted according to Maine method 4.1.25, "Method for Determining Diesel Range Organics." The DRO Practical Quantitation Limit is 50 ug/L (ppb)*.

Reviewed By: Kelly A. Perkins Date: 3/29/2005
Kelly Perkins, Lab Manager

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ANALYSIS REPORT

Attention: JACKSON KIKER
ECC
50 DANGELO DR
MARLBORO MA 01752

Lab ID Number: AH02048
Project Number: BNAS Old Navy Fuel Farm
P.O. Number: 5700
Date Collected: 03/10/2005 10:35 AM
DateReceived: 03/10/2005 04:30 PM
Date Reported: 03/28/2005

Sample Matrix: G-WATER
Sample Description: MW-NASB-051
Sample Type: Unknown

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time	Analysis Date/Time	Analyst
EPA 8260-BNAS Fuel Farm								
Benzene	1.0	U	ug/L	1.0	EPA 8260B	03/11/2005 15:36	03/11/2005 23:44	NMI
Ethylbenzene	1.0	U	ug/L	1.0	EPA 8260B	03/11/2005 15:36	03/11/2005 23:44	NMI
m,p-Xylene	1.0	U	ug/L	1.0	EPA 8260B	03/11/2005 15:36	03/11/2005 23:44	NMI
o-Xylene	1.0	U	ug/L	1.0	EPA 8260B	03/11/2005 15:36	03/11/2005 23:44	NMI
t-Butyl-Methyl Ether	1.0	U	ug/L	1.0	EPA 8260B	03/11/2005 15:36	03/11/2005 23:44	NMI
Toluene	1.0	U	ug/L	1.0	EPA 8260B	03/11/2005 15:36	03/11/2005 23:44	NMI
2-Butanone	10	U	ug/L	10	EPA 8260B	03/11/2005 15:36	03/11/2005 23:44	NMI
2-Hexanone	10	U	ug/L	10	EPA 8260B	03/11/2005 15:36	03/11/2005 23:44	NMI
Acetone	10	U	ug/L	10	EPA 8260B	03/11/2005 15:36	03/11/2005 23:44	NMI
Methyl isobutyl ketone	10	U	ug/L	10	EPA 8260B	03/11/2005 15:36	03/11/2005 23:44	NMI
Toluene-d8 (Surrogate)	108		%	70	EPA 8260B	03/11/2005 15:36	03/11/2005 23:44	NMI
1,2-Dichloroethane-d4 (Surrogate)	112		%	60	EPA 8260B	03/11/2005 15:36	03/11/2005 23:44	NMI
1,1,1,2-Tetrachloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 23:44	NMI
1,1,1-Trichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 23:44	NMI
1,1,2,2-Tetrachloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 23:44	NMI
1,1,2-Trichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 23:44	NMI
1,1-Dichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 23:44	NMI
1,1-Dichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 23:44	NMI
1,1-Dichloropropene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 23:44	NMI
1,2,3-Trichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 23:44	NMI
1,2,3-Trichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 23:44	NMI
1,2,4-Trichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 23:44	NMI
1,2,4-Trimethylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 23:44	NMI
1,2-Dibromo-3-Chloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 23:44	NMI
1,2-Dibromoethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 23:44	NMI
1,2-Dichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 23:44	NMI
1,2-Dichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 23:44	NMI
1,2-Dichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 23:44	NMI
1,3,5-Trimethylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 23:44	NMI
1,3-Dichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 23:44	NMI
1,3-Dichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 23:44	NMI
1,4-Dichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 23:44	NMI

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ANALYSIS REPORT

Attention: JACKSON KIKER
ECC
50 DANGELO DR
MARLBORO MA 01752

Lab ID Number: AH02048
Project Number: BNAS Old Navy Fuel Farm
P.O. Number: 5700
Date Collected: 03/10/2005 10:35 AM
DateReceived: 03/10/2005 04:30 PM
Date Reported: 03/28/2005

Sample Matrix: G-WATER
Sample Description: MW-NASB-051
Sample Type: Unknown

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time	Analysis Date/Time	Analyst
2,2-Dichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 23:44	NMI
2-Chlorotoluene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 23:44	NMI
2-Methoxy-2-Methylbutane (TAME)	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 23:44	NMI
4-Chlorotoluene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 23:44	NMI
4-Isopropyltoluene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 23:44	NMI
Bromobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 23:44	NMI
Bromochloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 23:44	NMI
Bromodichloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 23:44	NMI
Bromoform	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 23:44	NMI
Bromomethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 23:44	NMI
Carbon Disulfide	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 23:44	NMI
Carbon Tetrachloride	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 23:44	NMI
Chlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 23:44	NMI
Chloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 23:44	NMI
Chloroform	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 23:44	NMI
Chloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 23:44	NMI
cis-1,2-Dichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 23:44	NMI
cis-1,3-Dichloropropene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 23:44	NMI
Dibromochloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 23:44	NMI
Dibromomethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 23:44	NMI
Dichlorodifluoromethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 23:44	NMI
Diethyl Ether	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 23:44	NMI
Diisopropyl ether (DIPE)	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 23:44	NMI
Ethyl-t-butyl-ether (ETBE)	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 23:44	NMI
Hexachlorobutadiene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 23:44	NMI
Isopropylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 23:44	NMI
Naphthalene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 23:44	NMI
n-Butylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 23:44	NMI
n-Propylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 23:44	NMI
sec-Butylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 23:44	NMI
Styrene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 23:44	NMI
tert-Butylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 23:44	NMI
Tetrachloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/11/2005 23:44	NMI

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ANALYSIS REPORT

Attention: JACKSON KIKER
ECC
50 DANGELO DR
MARLBORO MA 01752

Lab ID Number: AH02048
Project Number: BNAS Old Navy Fuel Farm
P.O. Number: 5700
Date Collected: 03/10/2005 10:35 AM
DateReceived: 03/10/2005 04:30 PM
Date Reported: 03/28/2005

Sample Matrix: G-WATER
Sample Description: MW-NASB-051
Sample Type: Unknown

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time		Analysis Date/Time		Analyst
trans-1,2-Dichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	23:44	NMI
trans-1,3-Dichloropropene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	23:44	NMI
Trichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	23:44	NMI
Trichlorofluoromethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	23:44	NMI
Vinyl Chloride	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/11/2005	23:44	NMI
tert-Butanol (TBA)	20	U	ug/L	20	EPA 8260B	03/11/2005	15:36	03/11/2005	23:44	NMI
Methylene Chloride	5.0	U	ug/L	5.0	EPA 8260B	03/11/2005	15:36	03/11/2005	23:44	NMI
Tetrahydrofuran	5.0	U	ug/L	5.0	EPA 8260B	03/11/2005	15:36	03/11/2005	23:44	NMI
4-Bromofluorobenzene (Surrogate)	98		%	70	EPA 8260B	03/11/2005	15:36	03/11/2005	23:44	NMI
* *The "U" qualifier indicates the compound was analyzed for but not detected.*										
Diesel Range Organics Water										
Diesel Range Organics	50	U	ug/L	50	MEDEP 4.1.25	03/14/2005	8:00	03/14/2005	18:57	ECT
p-terphenyl (Surrogate)	63		%	60	MEDEP 4.1.25	03/14/2005	8:00	03/14/2005	18:57	ECT
Total Petroleum Hydrocarbons	na		ug/L	50	MEDEP 4.1.25	03/14/2005	8:00	03/14/2005	18:57	ECT
* *The "U" qualifier indicates the compound was analyzed for but not detected.*										
Alkalinity, Titrimetic	30		mg/L	1	EPA 310.1	03/14/2005	11:23	03/14/2005	15:25	KLM
MEDEP 4.125-Prep Water	Completed		Date	-	MEDEP 4.125	03/14/2005	8:00	03/14/2005	9:45	JNM
Ferrous Iron	<25.0		ug/L	25.0	SM 3500 Fe D	03/11/2005	10:00	03/11/2005	10:30	KRN
Nitrate-N	<0.1		mg/L	0.1	EPA 353.2	03/11/2005	18:02	03/11/2005	18:18	JS
Sulfate	2.3		mg/L	1.0	EPA 9056	03/11/2005	10:01	03/11/2005	20:53	JS
Total Organic Carbon	1.3		mg/L	1	EPA 415.1	03/15/2005	7:29	03/15/2005	14:32	JJC

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ANALYSIS REPORT

Attention: JACKSON KIKER
ECC
50 DANGELO DR
MARLBORO MA 01752

Lab ID Number: AH02048
Project Number: BNAS Old Navy Fuel Farm
P.O. Number: 5700
Date Collected: 03/10/2005 10:35 AM
DateReceived: 03/10/2005 04:30 PM
Date Reported: 03/28/2005

Sample Matrix: G-WATER
Sample Description: MW-NASB-051
Sample Type: Unknown

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time	Analysis Date/Time	Analyst

Comments:

Results are reported on a wet weight basis.

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Results meet the requirements of the NELAC standards unless otherwise noted above.

Reviewed By: Kelly A. Perkins **Review Date:** 03/28/2005
Kelly Perkins, Lab Manager

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ANALYSIS REPORT

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TO: ECC

DATE SAMPLED:	03/10/2005	LABORATORY NUMBER:	AH02048
DATE RECEIVED:	03/10/2005	SAMPLE MATRIX:	G-WATER
DATE EXTRACTED:	03/14/2005	ANALYST:	ECT
DATE ANALYZED:	03/14/2005	SDG #:	ECC031005
DATE REPORTED:	03/28/2005		

SAMPLE DESCRIPTION: MW-NASB-051

DIESEL RANGE ORGANICS (DRO)

METHOD SUMMARY:

The water sample is defined as the entire contents of the container including any soil or secondary phase material present. The sample was extracted three (3) times with methylene chloride using a liguid/liquid extraction technique with sodium chloride added to increase the extraction efficiency. The combined extract was passed through anhydrous sodium sulfate to remove water and was concentrated using a Zymark Turbovap Concentrator or Kuderna-Danish Concentrator. The final extract and/or dilutions of the extract were analyzed using high-resolution capillary FID Gas Chromatography (J & W DB-1 column, 0.25 micron phase, 0.32mm ID, 30 meter). The sample chromatograms were compared to hydrocarbon standard chromatograms for descriptive purposes and were compared to a DRO component standard for quantification of results.

QUANTITATION/DESCRIPTION:

NEL Sample#	Client Identification	DRO Results ug/L (ppb)*	Qualifier	Surrogate Recovery p-Terphenyl**
AH02048	MW-NASB-051	50	U	63%

The "U" qualifier indicates the compound was analyzed for but not detected.

Results meet the requirements of the NELAC standards

NOTE:

Identification of pristane, phytane, and the n-alkanes is based on chromatographic patterns and retention times on a single column. Identity has not been confirmed. Several petroleum products have chromatographic profiles similar to one another; and product profiles change as weathering occurs. Descriptive/interpretive data has been provided for guidance only. Identity of products (either weathered or unweathered) should not be considered conclusive.

* Quantitation is based on a DRO component standard, utilizing a method defined window from carbon number 10 to 28 inclusive.

**p-Terphenyl is added to the sample prior to extraction as a means of assessing the validity of the analysis.

[ ] In instances in which the material outside the DRO window exceeds 25% of DRO, an estimated total TPH result (aproximately carbon number 9 to 40) will be given in brackets following the DRO result, utilizing the response of a DRO component standard. Only total TPH results exceeding 50 ug/L (ppb) will be listed.

Analysis was conducted according to Maine method 4.1.25, "Method for Determining Diesel Range Organics." The DRO Practical Quantitation Limit is 50 ug/L (ppb)*.

Reviewed By: Kelly A. Perkins Date: 3/28/2005
Kelly Perkins, Lab Manager

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ANALYSIS REPORT

Attention: JACKSON KIKER
ECC
50 DANGELO DR
MARLBORO MA 01752

Lab ID Number: AH02049
Project Number: BNAS Old Navy Fuel Farm
P.O. Number: 5700
Date Collected: 03/10/2005 12:10 PM
DateReceived: 03/10/2005 04:30 PM
Date Reported: 03/28/2005

Sample Matrix: G-WATER
Sample Description: MW-NASB-207
Sample Type: Unknown

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time	Analysis Date/Time	Analyst
EPA 8260-BNAS Fuel Farm								
Benzene	1.0	U	ug/L	1.0	EPA 8260B	03/11/2005 15:36	03/12/2005 0:19	NMI
Ethylbenzene	1.0	U	ug/L	1.0	EPA 8260B	03/11/2005 15:36	03/12/2005 0:19	NMI
m,p-Xylene	1.0	U	ug/L	1.0	EPA 8260B	03/11/2005 15:36	03/12/2005 0:19	NMI
o-Xylene	1.0	U	ug/L	1.0	EPA 8260B	03/11/2005 15:36	03/12/2005 0:19	NMI
t-Butyl-Methyl Ether	1.0	U	ug/L	1.0	EPA 8260B	03/11/2005 15:36	03/12/2005 0:19	NMI
Toluene	1.0	U	ug/L	1.0	EPA 8260B	03/11/2005 15:36	03/12/2005 0:19	NMI
2-Butanone	10	U	ug/L	10	EPA 8260B	03/11/2005 15:36	03/12/2005 0:19	NMI
2-Hexanone	10	U	ug/L	10	EPA 8260B	03/11/2005 15:36	03/12/2005 0:19	NMI
Acetone	10	U	ug/L	10	EPA 8260B	03/11/2005 15:36	03/12/2005 0:19	NMI
Methyl isobutyl ketone	10	U	ug/L	10	EPA 8260B	03/11/2005 15:36	03/12/2005 0:19	NMI
Toluene-d8 (Surrogate)	112		%	70	EPA 8260B	03/11/2005 15:36	03/12/2005 0:19	NMI
1,2-Dichloroethane-d4 (Surrogate)	123		%	60	EPA 8260B	03/11/2005 15:36	03/12/2005 0:19	NMI
1,1,1,2-Tetrachloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/12/2005 0:19	NMI
1,1,1-Trichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/12/2005 0:19	NMI
1,1,2,2-Tetrachloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/12/2005 0:19	NMI
1,1,2-Trichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/12/2005 0:19	NMI
1,1-Dichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/12/2005 0:19	NMI
1,1-Dichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/12/2005 0:19	NMI
1,1-Dichloropropene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/12/2005 0:19	NMI
1,2,3-Trichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/12/2005 0:19	NMI
1,2,3-Trichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/12/2005 0:19	NMI
1,2,4-Trichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/12/2005 0:19	NMI
1,2,4-Trimethylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/12/2005 0:19	NMI
1,2-Dibromo-3-Chloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/12/2005 0:19	NMI
1,2-Dibromoethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/12/2005 0:19	NMI
1,2-Dichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/12/2005 0:19	NMI
1,2-Dichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/12/2005 0:19	NMI
1,2-Dichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/12/2005 0:19	NMI
1,3,5-Trimethylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/12/2005 0:19	NMI
1,3-Dichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/12/2005 0:19	NMI
1,3-Dichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/12/2005 0:19	NMI
1,4-Dichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/12/2005 0:19	NMI

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ANALYSIS REPORT

Attention: JACKSON KIKER
ECC
50 DANGELO DR
MARLBORO MA 01752

Lab ID Number: AH02049
Project Number: BNAS Old Navy Fuel Farm
P.O. Number: 5700
Date Collected: 03/10/2005 12:10 PM
DateReceived: 03/10/2005 04:30 PM
Date Reported: 03/28/2005

Sample Matrix: G-WATER
Sample Description: MW-NASB-207
Sample Type: Unknown

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time	Analysis Date/Time	Analyst
2,2-Dichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/12/2005 0:19	NMI
2-Chlorotoluene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/12/2005 0:19	NMI
2-Methoxy-2-Methylbutane (TAME)	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/12/2005 0:19	NMI
4-Chlorotoluene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/12/2005 0:19	NMI
4-Isopropyltoluene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/12/2005 0:19	NMI
Bromobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/12/2005 0:19	NMI
Bromochloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/12/2005 0:19	NMI
Bromodichloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/12/2005 0:19	NMI
Bromoform	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/12/2005 0:19	NMI
Bromomethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/12/2005 0:19	NMI
Carbon Disulfide	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/12/2005 0:19	NMI
Carbon Tetrachloride	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/12/2005 0:19	NMI
Chlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/12/2005 0:19	NMI
Chloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/12/2005 0:19	NMI
Chloroform	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/12/2005 0:19	NMI
Chloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/12/2005 0:19	NMI
cis-1,2-Dichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/12/2005 0:19	NMI
cis-1,3-Dichloropropene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/12/2005 0:19	NMI
Dibromochloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/12/2005 0:19	NMI
Dibromomethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/12/2005 0:19	NMI
Dichlorodifluoromethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/12/2005 0:19	NMI
Diethyl Ether	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/12/2005 0:19	NMI
Diisopropyl ether (DIPE)	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/12/2005 0:19	NMI
Ethyl-t-butyl-ether (ETBE)	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/12/2005 0:19	NMI
Hexachlorobutadiene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/12/2005 0:19	NMI
Isopropylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/12/2005 0:19	NMI
Naphthalene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/12/2005 0:19	NMI
n-Butylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/12/2005 0:19	NMI
n-Propylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/12/2005 0:19	NMI
sec-Butylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/12/2005 0:19	NMI
Styrene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/12/2005 0:19	NMI
tert-Butylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/12/2005 0:19	NMI
Tetrachloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005 15:36	03/12/2005 0:19	NMI

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ANALYSIS REPORT

Attention: JACKSON KIKER
ECC
50 DANGELO DR
MARLBORO MA 01752

Lab ID Number: AH02049
Project Number: BNAS Old Navy Fuel Farm
P.O. Number: 5700
Date Collected: 03/10/2005 12:10 PM
DateReceived: 03/10/2005 04:30 PM
Date Reported: 03/28/2005

Sample Matrix: G-WATER
Sample Description: MW-NASB-207
Sample Type: Unknown

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time		Analysis Date/Time		Analyst
trans-1,2-Dichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/12/2005	0:19	NMI
trans-1,3-Dichloropropene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/12/2005	0:19	NMI
Trichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/12/2005	0:19	NMI
Trichlorofluoromethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/12/2005	0:19	NMI
Vinyl Chloride	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/12/2005	0:19	NMI
tert-Butanol (TBA)	20	U	ug/L	20	EPA 8260B	03/11/2005	15:36	03/12/2005	0:19	NMI
Methylene Chloride	5.0	U	ug/L	5.0	EPA 8260B	03/11/2005	15:36	03/12/2005	0:19	NMI
Tetrahydrofuran	5.0	U	ug/L	5.0	EPA 8260B	03/11/2005	15:36	03/12/2005	0:19	NMI
4-Bromofluorobenzene (Surrogate)	98		%	70	EPA 8260B	03/11/2005	15:36	03/12/2005	0:19	NMI
★ *The "U" qualifier indicates the compound was analyzed for but not detected.*										
Diesel Range Organics Water										
Diesel Range Organics	50	U	ug/L	50	MEDEP 4.1.25	03/14/2005	8:00	03/14/2005	19:37	ECT
p-terphenyl (Surrogate)	69		%	60	MEDEP 4.1.25	03/14/2005	8:00	03/14/2005	19:37	ECT
Total Petroleum Hydrocarbons	na		ug/L	50	MEDEP 4.1.25	03/14/2005	8:00	03/14/2005	19:37	ECT
★ *The "U" qualifier indicates the compound was analyzed for but not detected.*										
Alkalinity, Titrimetic	190		mg/L	1	EPA 310.1	03/16/2005	16:51	03/16/2005	18:59	KLM
MEDEP 4.125-Prep Water	Completed		Date	-	MEDEP 4.125	03/14/2005	8:00	03/14/2005	9:45	JNM
Ferrous Iron	<25.0		ug/L	25.0	SM 3500 Fe D	03/11/2005	10:00	03/11/2005	10:30	KRN
Nitrate-N	<0.1		mg/L	0.1	EPA 353.2	03/11/2005	18:02	03/11/2005	18:18	JS
Sulfate	2.6		mg/L	1.0	EPA 9056	03/11/2005	10:01	03/11/2005	20:53	JS
Total Organic Carbon	1.6		mg/L	1	EPA 415.1	03/15/2005	7:29	03/15/2005	14:32	JJC

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ANALYSIS REPORT

Attention: JACKSON KIKER
ECC
50 DANGELO DR
MARLBORO MA 01752

Lab ID Number: AH02049
Project Number: BNAS Old Navy Fuel Farm
P.O. Number: 5700
Date Collected: 03/10/2005 12:10 PM
DateReceived: 03/10/2005 04:30 PM
Date Reported: 03/28/2005

Sample Matrix: G-WATER
Sample Description: MW-NASB-207
Sample Type: Unknown

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time	Analysis Date/Time	Analyst

Comments:

Results are reported on a wet weight basis.

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Results meet the requirements of the NELAC standards unless otherwise noted above.

Reviewed By: Kelly A. Perkins **Review Date:** 03/28/2005
Kelly Perkins, Lab Manager

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ANALYSIS REPORT

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TO: ECC

DATE SAMPLED:	03/10/2005	LABORATORY NUMBER:	AH02049
DATE RECEIVED:	03/10/2005	SAMPLE MATRIX:	G-WATER
DATE EXTRACTED:	03/14/2005	ANALYST:	ECT
DATE ANALYZED:	03/14/2005	SDG #:	ECC031005
DATE REPORTED:	03/28/2005		

SAMPLE DESCRIPTION: MW-NASB-207

DIESEL RANGE ORGANICS (DRO)

METHOD SUMMARY:

The water sample is defined as the entire contents of the container including any soil or secondary phase material present. The sample was extracted three (3) times with methylene chloride using a liguid/liquid extraction technique with sodium chloride added to increase the extraction efficiency. The combined extract was passed through anhydrous sodium sulfate to remove water and was concentrated using a Zymark Turbovap Concentrator or Kuderna-Danish Concentrator. The final extract and/or dilutions of the extract were analyzed using high-resolution capillary FID Gas Chromatography (J & W DB-1 column, 0.25 micron phase, 0.32mm ID, 30 meter). The sample chromatograms were compared to hydrocarbon standard chromatograms for descriptive purposes and were compared to a DRO component standard for quantification of results.

QUANTITATION/DESCRIPTION:

NEL Sample#	Client Identification	DRO Results ug/L (ppb)*	Qualifier	Surrogate Recovery p-Terphenyl**
AH02049	MW-NASB-207	50	U	69%

The "U" qualifier indicates the compound was analyzed for but not detected.

Results meet the requirements of the NELAC standards

NOTE:

Identification of pristane, phytane, and the n-alkanes is based on chromatographic patterns and retention times on a single column. Identity has not been confirmed. Several petroleum products have chromatographic profiles similar to one another; and product profiles change as weathering occurs. Descriptive/interpretive data has been provided for guidance only. Identity of products (either weathered or unweathered) should not be considered conclusive.

* Quantitation is based on a DRO component standard, utilizing a method defined window from carbon number 10 to 28 inclusive.

**p-Terphenyl is added to the sample prior to extraction as a means of assessing the validity of the analysis.

[ ] In instances in which the material outside the DRO window exceeds 25% of DRO, an estimated total TPH result (aproximately carbon number 9 to 40) will be given in brackets following the DRO result, utilizing the response of a DRO component standard. Only total TPH results exceeding 50 ug/L (ppb) will be listed.

Analysis was conducted according to Maine method 4.1.25, "Method for Determining Diesel Range Organics." The DRO Practical Quantitation Limit is 50 ug/L (ppb)*.

Reviewed By: Kelly A. Perkins Date: 3/28/2005
Kelly Perkins, Lab Manager

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Fax: 207-873-7022

ANALYSIS REPORT

Attention: JACKSON KIKER
ECC
50 DANGELO DR
MARLBORO MA 01752

Lab ID Number: AH02050
Project Number: BNAS Old Navy Fuel Farm
P.O. Number: 5700
Date Collected: 03/10/2005 08:00 AM
DateReceived: 03/10/2005 04:30 PM
Date Reported: 03/28/2005

Sample Matrix: G-WATER
Sample Description: MW-NASB-TB07-08
Sample Type: QA/QC

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time		Analysis Date/Time		Analyst
EPA 8260-BNAS Fuel Farm										
Benzene	1.0	U	ug/L	1.0	EPA 8260B	03/11/2005	15:36	03/12/2005	0:53	NMI
Ethylbenzene	1.0	U	ug/L	1.0	EPA 8260B	03/11/2005	15:36	03/12/2005	0:53	NMI
m,p-Xylene	1.0	U	ug/L	1.0	EPA 8260B	03/11/2005	15:36	03/12/2005	0:53	NMI
o-Xylene	1.0	U	ug/L	1.0	EPA 8260B	03/11/2005	15:36	03/12/2005	0:53	NMI
t-Butyl-Methyl Ether	1.0	U	ug/L	1.0	EPA 8260B	03/11/2005	15:36	03/12/2005	0:53	NMI
Toluene	1.0	U	ug/L	1.0	EPA 8260B	03/11/2005	15:36	03/12/2005	0:53	NMI
2-Butanone	10	U	ug/L	10	EPA 8260B	03/11/2005	15:36	03/12/2005	0:53	NMI
2-Hexanone	10	U	ug/L	10	EPA 8260B	03/11/2005	15:36	03/12/2005	0:53	NMI
Acetone	10	U	ug/L	10	EPA 8260B	03/11/2005	15:36	03/12/2005	0:53	NMI
Methyl isobutyl ketone	10	U	ug/L	10	EPA 8260B	03/11/2005	15:36	03/12/2005	0:53	NMI
Toluene-d8 (Surrogate)	107		%	70	EPA 8260B	03/11/2005	15:36	03/12/2005	0:53	NMI
1,2-Dichloroethane-d4 (Surrogate)	120		%	60	EPA 8260B	03/11/2005	15:36	03/12/2005	0:53	NMI
1,1,1,2-Tetrachloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/12/2005	0:53	NMI
1,1,1-Trichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/12/2005	0:53	NMI
1,1,2,2-Tetrachloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/12/2005	0:53	NMI
1,1,2-Trichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/12/2005	0:53	NMI
1,1-Dichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/12/2005	0:53	NMI
1,1-Dichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/12/2005	0:53	NMI
1,1-Dichloropropene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/12/2005	0:53	NMI
1,2,3-Trichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/12/2005	0:53	NMI
1,2,3-Trichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/12/2005	0:53	NMI
1,2,4-Trichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/12/2005	0:53	NMI
1,2,4-Trimethylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/12/2005	0:53	NMI
1,2-Dibromo-3-Chloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/12/2005	0:53	NMI
1,2-Dibromoethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/12/2005	0:53	NMI
1,2-Dichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/12/2005	0:53	NMI
1,2-Dichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/12/2005	0:53	NMI
1,2-Dichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/12/2005	0:53	NMI
1,3,5-Trimethylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/12/2005	0:53	NMI
1,3-Dichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/12/2005	0:53	NMI
1,3-Dichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/12/2005	0:53	NMI
1,4-Dichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/12/2005	0:53	NMI

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ANALYSIS REPORT

Attention: JACKSON KIKER
ECC
50 DANGELO DR
MARLBORO MA 01752

Lab ID Number: AH02050
Project Number: BNAS Old Navy Fuel Farm
P.O. Number: 5700
Date Collected: 03/10/2005 08:00 AM
DateReceived: 03/10/2005 04:30 PM
Date Reported: 03/28/2005

Sample Matrix: G-WATER
Sample Description: MW-NASB-TB07-08
Sample Type: QA/QC

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time		Analysis Date/Time		Analyst
2,2-Dichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/12/2005	0:53	NMI
2-Chlorotoluene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/12/2005	0:53	NMI
2-Methoxy-2-Methylbutane (TAME)	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/12/2005	0:53	NMI
4-Chlorotoluene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/12/2005	0:53	NMI
4-Isopropyltoluene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/12/2005	0:53	NMI
Bromobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/12/2005	0:53	NMI
Bromochloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/12/2005	0:53	NMI
Bromodichloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/12/2005	0:53	NMI
Bromoform	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/12/2005	0:53	NMI
Bromomethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/12/2005	0:53	NMI
Carbon Disulfide	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/12/2005	0:53	NMI
Carbon Tetrachloride	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/12/2005	0:53	NMI
Chlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/12/2005	0:53	NMI
Chloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/12/2005	0:53	NMI
Chloroform	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/12/2005	0:53	NMI
Chloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/12/2005	0:53	NMI
cis-1,2-Dichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/12/2005	0:53	NMI
cis-1,3-Dichloropropene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/12/2005	0:53	NMI
Dibromochloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/12/2005	0:53	NMI
Dibromomethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/12/2005	0:53	NMI
Dichlorodifluoromethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/12/2005	0:53	NMI
Diethyl Ether	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/12/2005	0:53	NMI
Diisopropyl ether (DIPE)	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/12/2005	0:53	NMI
Ethyl-t-butyl-ether (ETBE)	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/12/2005	0:53	NMI
Hexachlorobutadiene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/12/2005	0:53	NMI
Isopropylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/12/2005	0:53	NMI
Naphthalene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/12/2005	0:53	NMI
n-Butylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/12/2005	0:53	NMI
n-Propylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/12/2005	0:53	NMI
sec-Butylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/12/2005	0:53	NMI
Styrene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/12/2005	0:53	NMI
tert-Butylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/12/2005	0:53	NMI
Tetrachloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/12/2005	0:53	NMI

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ANALYSIS REPORT

Attention: JACKSON KIKER
ECC
50 DANGELO DR
MARLBORO MA 01752

Lab ID Number: AH02050
Project Number: BNAS Old Navy Fuel Farm
P.O. Number: 5700
Date Collected: 03/10/2005 08:00 AM
DateReceived: 03/10/2005 04:30 PM
Date Reported: 03/28/2005

Sample Matrix: G-WATER
Sample Description: MW-NASB-TB07-08
Sample Type: QA/QC

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time		Analysis Date/Time		Analyst
trans-1,2-Dichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/12/2005	0:53	NMI
trans-1,3-Dichloropropene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/12/2005	0:53	NMI
Trichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/12/2005	0:53	NMI
Trichlorofluoromethane	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/12/2005	0:53	NMI
Vinyl Chloride	2.0	U	ug/L	2.0	EPA 8260B	03/11/2005	15:36	03/12/2005	0:53	NMI
tert-Butanol (TBA)	20	U	ug/L	20	EPA 8260B	03/11/2005	15:36	03/12/2005	0:53	NMI
Methylene Chloride	5.0	U	ug/L	5.0	EPA 8260B	03/11/2005	15:36	03/12/2005	0:53	NMI
Tetrahydrofuran	5.0	U	ug/L	5.0	EPA 8260B	03/11/2005	15:36	03/12/2005	0:53	NMI
4-Bromofluorobenzene (Surrogate)	97		%	70	EPA 8260B	03/11/2005	15:36	03/12/2005	0:53	NMI

** The "U" qualifier indicates the compound was analyzed for but not detected.*

Comments:

Please see the specific analysis comment(s) above.

Results are reported on a wet weight basis.

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Results meet the requirements of the NELAC standards unless otherwise noted above.

Reviewed By: Kelly A. Perkins **Review Date:** 03/28/2005
Kelly Perkins, Lab Manager

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ANALYSIS REPORT

Attention: JACKSON KIKER
ECC
TREATMENT PLANT SUP
13 GURNET RD PMB 289
BRUNSWICK ME 04011

Lab ID Number: AH02068
Project Number: BNAS Old Navy Fuel Farm
P.O. Number: 5700
Date Collected: 03/11/2005 09:45 AM
DateReceived: 03/11/2005 04:30 PM
Date Reported: 03/28/2005

Sample Matrix: G-WATER
Sample Description: MW-NASB-098
Sample Type: Unknown

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time	Analysis Date/Time	Analyst
EPA 8260-BNAS Fuel Farm								
Benzene	1.0	U	ug/L	1.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:19	NMI
Ethylbenzene	1.0	U	ug/L	1.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:19	NMI
m,p-Xylene	1.0	U	ug/L	1.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:19	NMI
o-Xylene	1.0	U	ug/L	1.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:19	NMI
Toluene	1.0	U	ug/L	1.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:19	NMI
2-Butanone	10	U	ug/L	10	EPA 8260B	03/15/2005 21:12	03/16/2005 5:19	NMI
2-Hexanone	10	U	ug/L	10	EPA 8260B	03/15/2005 21:12	03/16/2005 5:19	NMI
Acetone	10	U	ug/L	10	EPA 8260B	03/15/2005 21:12	03/16/2005 5:19	NMI
Methyl isobutyl ketone	10	U	ug/L	10	EPA 8260B	03/15/2005 21:12	03/16/2005 5:19	NMI
Toluene-d8 (Surrogate)	103		%	70	EPA 8260B	03/15/2005 21:12	03/16/2005 5:19	NMI
1,2-Dichloroethane-d4 (Surrogate)	143		%	60	EPA 8260B	03/15/2005 21:12	03/16/2005 5:19	NMI
1,1,1,2-Tetrachloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:19	NMI
1,1,1-Trichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:19	NMI
1,1,2,2-Tetrachloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:19	NMI
1,1,2-Trichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:19	NMI
1,1-Dichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:19	NMI
1,1-Dichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:19	NMI
1,1-Dichloropropene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:19	NMI
1,2,3-Trichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:19	NMI
1,2,3-Trichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:19	NMI
1,2,4-Trichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:19	NMI
1,2,4-Trimethylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:19	NMI
1,2-Dibromo-3-Chloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:19	NMI
1,2-Dibromoethane	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:19	NMI
1,2-Dichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:19	NMI
1,2-Dichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:19	NMI
1,2-Dichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:19	NMI
1,3,5-Trimethylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:19	NMI
1,3-Dichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:19	NMI
1,3-Dichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:19	NMI
1,4-Dichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:19	NMI
2,2-Dichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:19	NMI

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ANALYSIS REPORT

Attention: JACKSON KIKER
ECC
TREATMENT PLANT SUP
13 GURNET RD PMB 289
BRUNSWICK ME 04011

Lab ID Number: AH02068
Project Number: BNAS Old Navy Fuel Farm
P.O. Number: 5700
Date Collected: 03/11/2005 09:45 AM
DateReceived: 03/11/2005 04:30 PM
Date Reported: 03/28/2005

Sample Matrix: G-WATER
Sample Description: MW-NASB-098
Sample Type: Unknown

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time	Analysis Date/Time	Analyst
2-Chlorotoluene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:19	NMI
2-Methoxy-2-Methylbutane (TAME)	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:19	NMI
4-Chlorotoluene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:19	NMI
4-Isopropyltoluene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:19	NMI
Bromobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:19	NMI
Bromochloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:19	NMI
Bromodichloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:19	NMI
Bromoform	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:19	NMI
Bromomethane	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:19	NMI
Carbon Disulfide	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:19	NMI
Carbon Tetrachloride	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:19	NMI
Chlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:19	NMI
Chloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:19	NMI
Chloroform	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:19	NMI
Chloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:19	NMI
cis-1,2-Dichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:19	NMI
cis-1,3-Dichloropropene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:19	NMI
Dibromochloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:19	NMI
Dibromomethane	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:19	NMI
Dichlorodifluoromethane	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:19	NMI
Diethyl Ether	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:19	NMI
Diisopropyl ether (DIPE)	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:19	NMI
Ethyl-t-butyl-ether (ETBE)	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:19	NMI
Hexachlorobutadiene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:19	NMI
Isopropylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:19	NMI
Naphthalene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:19	NMI
n-Butylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:19	NMI
n-Propylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:19	NMI
sec-Butylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:19	NMI
Styrene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:19	NMI
tert-Butylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:19	NMI
Tetrachloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:19	NMI
trans-1,2-Dichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:19	NMI

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ANALYSIS REPORT

Attention: JACKSON KIKER
ECC
TREATMENT PLANT SUP
13 GURNET RD PMB 289
BRUNSWICK ME 04011

Lab ID Number: AH02068
Project Number: BNAS Old Navy Fuel Farm
P.O. Number: 5700
Date Collected: 03/11/2005 09:45 AM
DateReceived: 03/11/2005 04:30 PM
Date Reported: 03/28/2005

Sample Matrix: G-WATER
Sample Description: MW-NASB-098
Sample Type: Unknown

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time		Analysis Date/Time		Analyst
trans-1,3-Dichloropropene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005	21:12	03/16/2005	5:19	NMI
Trichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005	21:12	03/16/2005	5:19	NMI
Trichlorofluoromethane	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005	21:12	03/16/2005	5:19	NMI
Vinyl Chloride	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005	21:12	03/16/2005	5:19	NMI
tert-Butanol (TBA)	20	U	ug/L	20	EPA 8260B	03/15/2005	21:12	03/16/2005	5:19	NMI
Methylene Chloride	5.0	U	ug/L	5.0	EPA 8260B	03/15/2005	21:12	03/16/2005	5:19	NMI
Tetrahydrofuran	5.0	U	ug/L	5.0	EPA 8260B	03/15/2005	21:12	03/16/2005	5:19	NMI
t-Butyl-Methyl Ether	6.4		ug/L	1.0	EPA 8260B	03/15/2005	21:12	03/16/2005	5:19	NMI
4-Bromofluorobenzene (Surrogate)	93		%	70	EPA 8260B	03/15/2005	21:12	03/16/2005	5:19	NMI
The "U" qualifier indicates the compound was analyzed for but not detected.										
Diesel Range Organics Water										
Diesel Range Organics	50	U	ug/L	50	MEDEP 4.1.25	03/14/2005	8:00	03/14/2005	21:00	ECT
p-terphenyl (Surrogate)	75		%	60	MEDEP 4.1.25	03/14/2005	8:00	03/14/2005	21:00	ECT
Total Petroleum Hydrocarbons	na		ug/L	50	MEDEP 4.1.25	03/14/2005	8:00	03/14/2005	21:00	ECT
The "U" qualifier indicates the compound was analyzed for but not detected.										
Alkalinity, Titrimetic	24		mg/L	1	EPA 310.1	03/14/2005	11:23	03/14/2005	15:25	KLM
MEDEP 4.125-Prep Water	Completed		Date	-	MEDEP 4.125	03/14/2005	8:00	03/14/2005	9:45	JNM
Ferrous Iron	7400		ug/L	25.0	SM 3500 Fe D	03/11/2005	10:00	03/11/2005	16:00	KRN
Nitrate-N	0.1	U	mg/L	0.1	EPA 353.2	03/11/2005	18:02	03/11/2005	18:18	JS
Sulfate	11		mg/L	1.0	EPA 9056	03/11/2005	10:01	03/11/2005	20:53	JS
Total Organic Carbon	3.2		mg/L	1	EPA 415.1	03/15/2005	7:29	03/15/2005	14:32	JJC

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ANALYSIS REPORT

Attention: JACKSON KIKER
ECC
TREATMENT PLANT SUP
13 GURNET RD PMB 289
BRUNSWICK ME 04011

Lab ID Number: AH02068
Project Number: BNAS Old Navy Fuel Farm
P.O. Number: 5700
Date Collected: 03/11/2005 09:45 AM
DateReceived: 03/11/2005 04:30 PM
Date Reported: 03/28/2005

Sample Matrix: G-WATER
Sample Description: MW-NASB-098
Sample Type: Unknown

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time	Analysis Date/Time	Analyst

Comments:

Results are reported on a wet weight basis.

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Results meet the requirements of the NELAC standards unless otherwise noted above.

Reviewed By: Kelly A. Perkins **Review Date:** 03/28/2005
Kelly Perkins, Lab Manager

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ANALYSIS REPORT

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TO: ECC

DATE SAMPLED:	03/11/2005	LABORATORY NUMBER:	AH02068
DATE RECEIVED:	03/11/2005	SAMPLE MATRIX:	G-WATER
DATE EXTRACTED:	03/14/2005	ANALYST:	ECT
DATE ANALYZED:	03/14/2005	SDG #:	ECC031105
DATE REPORTED:	03/28/2005		

SAMPLE DESCRIPTION: MW-NASB-098

DIESEL RANGE ORGANICS (DRO)

METHOD SUMMARY:

The water sample is defined as the entire contents of the container including any soil or secondary phase material present. The sample was extracted three (3) times with methylene chloride using a liguid/liquid extraction technique with sodium chloride added to increase the extraction efficiency. The combined extract was passed through anhydrous sodium sulfate to remove water and was concentrated using a Zymark Turbovap Concentrator or Kuderna-Danish Concentrator. The final extract and/or dilutions of the extract were analyzed using high-resolution capillary FID Gas Chromatography (J & W DB-1 column, 0.25 micron phase, 0.32mm ID, 30 meter). The sample chromatograms were compared to hydrocarbon standard chromatograms for descriptive purposes and were compared to a DRO component standard for quantification of results.

QUANTITATION/DESCRIPTION:

NEL Sample#	Client Identification	DRO Results ug/L (ppb)*	Qualifier	Surrogate Recovery p-Terphenyl**
AH02068	MW-NASB-098	50	U	75%

The "U" qualifier indicates the compound was analyzed for but not detected.

Results meet the requirements of the NELAC standards

NOTE:

Identification of pristane, phytane, and the n-alkanes is based on chromatographic patterns and retention times on a single column. Identity has not been confirmed. Several petroleum products have chromatographic profiles similar to one another; and product profiles change as weathering occurs. Descriptive/interpretive data has been provided for guidance only. Identity of products (either weathered or unweathered) should not be considered conclusive.

* Quantitation is based on a DRO component standard, utilizing a method defined window from carbon number 10 to 28 inclusive.

**p-Terphenyl is added to the sample prior to extraction as a means of assessing the validity of the analysis.

[ ] In instances in which the material outside the DRO window exceeds 25% of DRO, an estimated total TPH result (aproximately carbon number 9 to 40) will be given in brackets following the DRO result, utilizing the response of a DRO component standard. Only total TPH results exceeding 50 ug/L (ppb) will be listed.

Analysis was conducted according to Maine method 4.1.25, "Method for Determining Diesel Range Organics." The DRO Practical Quantitation Limit is 50 ug/L (ppb)*.

Reviewed By: Kelly A. Perkins Date: 3/29/2005
Kelly Perkins, Lab Manager

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ANALYSIS REPORT

Attention: JACKSON KIKER
ECC
TREATMENT PLANT SUP
13 GURNET RD PMB 289
BRUNSWICK ME 04011

Lab ID Number: AH02069
Project Number: BNAS Old Navy Fuel Farm
P.O. Number: 5700
Date Collected: 03/11/2005 11:30 AM
DateReceived: 03/11/2005 04:30 PM
Date Reported: 03/28/2005

Sample Matrix: G-WATER
Sample Description: MW-NASB-058
Sample Type: Unknown

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time	Analysis Date/Time	Analyst
EPA 8260-BNAS Fuel Farm								
Benzene	1.0	U	ug/L	1.0	EPA 8260B	03/14/2005 22:11	03/15/2005 5:43	NMI
Ethylbenzene	1.0	U	ug/L	1.0	EPA 8260B	03/14/2005 22:11	03/15/2005 5:43	NMI
m,p-Xylene	1.0	U	ug/L	1.0	EPA 8260B	03/14/2005 22:11	03/15/2005 5:43	NMI
o-Xylene	1.0	U	ug/L	1.0	EPA 8260B	03/14/2005 22:11	03/15/2005 5:43	NMI
t-Butyl-Methyl Ether	1.0	U	ug/L	1.0	EPA 8260B	03/14/2005 22:11	03/15/2005 5:43	NMI
Toluene	1.0	U	ug/L	1.0	EPA 8260B	03/14/2005 22:11	03/15/2005 5:43	NMI
2-Butanone	10	U	ug/L	10	EPA 8260B	03/14/2005 22:11	03/15/2005 5:43	NMI
2-Hexanone	10	U	ug/L	10	EPA 8260B	03/14/2005 22:11	03/15/2005 5:43	NMI
Acetone	10	U	ug/L	10	EPA 8260B	03/14/2005 22:11	03/15/2005 5:43	NMI
Methyl isobutyl ketone	10	U	ug/L	10	EPA 8260B	03/14/2005 22:11	03/15/2005 5:43	NMI
Toluene-d8 (Surrogate)	108		%	70	EPA 8260B	03/14/2005 22:11	03/15/2005 5:43	NMI
1,2-Dichloroethane-d4 (Surrogate)	163		%	60	EPA 8260B	03/14/2005 22:11	03/15/2005 5:43	NMI
1,1,1,2-Tetrachloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 5:43	NMI
1,1,1-Trichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 5:43	NMI
1,1,2,2-Tetrachloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 5:43	NMI
1,1,2-Trichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 5:43	NMI
1,1-Dichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 5:43	NMI
1,1-Dichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 5:43	NMI
1,1-Dichloropropene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 5:43	NMI
1,2,3-Trichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 5:43	NMI
1,2,3-Trichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 5:43	NMI
1,2,4-Trichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 5:43	NMI
1,2,4-Trimethylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 5:43	NMI
1,2-Dibromo-3-Chloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 5:43	NMI
1,2-Dibromoethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 5:43	NMI
1,2-Dichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 5:43	NMI
1,2-Dichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 5:43	NMI
1,2-Dichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 5:43	NMI
1,3,5-Trimethylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 5:43	NMI
1,3-Dichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 5:43	NMI
1,3-Dichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 5:43	NMI
1,4-Dichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 5:43	NMI

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ANALYSIS REPORT

Attention: JACKSON KIKER
ECC
TREATMENT PLANT SUP
13 GURNET RD PMB 289
BRUNSWICK ME 04011

Lab ID Number: AH02069
Project Number: BNAS Old Navy Fuel Farm
P.O. Number: 5700
Date Collected: 03/11/2005 11:30 AM
DateReceived: 03/11/2005 04:30 PM
Date Reported: 03/28/2005

Sample Matrix: G-WATER
Sample Description: MW-NASB-058
Sample Type: Unknown

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time	Analysis Date/Time	Analyst
2,2-Dichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 5:43	NMI
2-Chlorotoluene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 5:43	NMI
2-Methoxy-2-Methylbutane (TAME)	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 5:43	NMI
4-Chlorotoluene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 5:43	NMI
4-Isopropyltoluene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 5:43	NMI
Bromobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 5:43	NMI
Bromochloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 5:43	NMI
Bromodichloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 5:43	NMI
Bromoform	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 5:43	NMI
Bromomethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 5:43	NMI
Carbon Disulfide	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 5:43	NMI
Carbon Tetrachloride	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 5:43	NMI
Chlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 5:43	NMI
Chloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 5:43	NMI
Chloroform	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 5:43	NMI
Chloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 5:43	NMI
cis-1,2-Dichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 5:43	NMI
cis-1,3-Dichloropropene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 5:43	NMI
Dibromochloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 5:43	NMI
Dibromomethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 5:43	NMI
Dichlorodifluoromethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 5:43	NMI
Diethyl Ether	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 5:43	NMI
Diisopropyl ether (DIPE)	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 5:43	NMI
Ethyl-t-butyl-ether (ETBE)	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 5:43	NMI
Hexachlorobutadiene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 5:43	NMI
Isopropylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 5:43	NMI
Naphthalene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 5:43	NMI
n-Butylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 5:43	NMI
n-Propylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 5:43	NMI
sec-Butylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 5:43	NMI
Styrene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 5:43	NMI
tert-Butylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 5:43	NMI
Tetrachloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 5:43	NMI

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ANALYSIS REPORT

Attention: JACKSON KIKER
ECC
TREATMENT PLANT SUP
13 GURNET RD PMB 289
BRUNSWICK ME 04011

Lab ID Number: AH02069
Project Number: BNAS Old Navy Fuel Farm
P.O. Number: 5700
Date Collected: 03/11/2005 11:30 AM
DateReceived: 03/11/2005 04:30 PM
Date Reported: 03/28/2005

Sample Matrix: G-WATER
Sample Description: MW-NASB-058
Sample Type: Unknown

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time	Analysis Date/Time	Analyst
trans-1,2-Dichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 5:43	NMI
trans-1,3-Dichloropropene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 5:43	NMI
Trichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 5:43	NMI
Trichlorofluoromethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 5:43	NMI
Vinyl Chloride	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 5:43	NMI
tert-Butanol (TBA)	20	U	ug/L	20	EPA 8260B	03/14/2005 22:11	03/15/2005 5:43	NMI
Methylene Chloride	5.0	U	ug/L	5.0	EPA 8260B	03/14/2005 22:11	03/15/2005 5:43	NMI
Tetrahydrofuran	5.0	U	ug/L	5.0	EPA 8260B	03/14/2005 22:11	03/15/2005 5:43	NMI
4-Bromofluorobenzene (Surrogate)	91		%	70	EPA 8260B	03/14/2005 22:11	03/15/2005 5:43	NMI

* *Initial analysis yielded internal standard areas and/or surrogate recovery deviations. Reanalysis yielded similar results confirming matrix interference.*

EPA 8260-BNAS Fuel Farm Re-Analysis

Benzene	1.0	U	ug/L	1.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:54	NMI
Ethylbenzene	1.0	U	ug/L	1.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:54	NMI
m,p-Xylene	1.0	U	ug/L	1.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:54	NMI
o-Xylene	1.0	U	ug/L	1.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:54	NMI
t-Butyl-Methyl Ether	1.0	U	ug/L	1.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:54	NMI
Toluene	1.0	U	ug/L	1.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:54	NMI
2-Butanone	10	U	ug/L	10	EPA 8260B	03/15/2005 21:12	03/16/2005 5:54	NMI
2-Hexanone	10	U	ug/L	10	EPA 8260B	03/15/2005 21:12	03/16/2005 5:54	NMI
Acetone	10	U	ug/L	10	EPA 8260B	03/15/2005 21:12	03/16/2005 5:54	NMI
Methyl isobutyl ketone	10	U	ug/L	10	EPA 8260B	03/15/2005 21:12	03/16/2005 5:54	NMI
Toluene-d8 (Surrogate)	105		%	70	EPA 8260B	03/15/2005 21:12	03/16/2005 5:54	NMI
1,2-Dichloroethane-d4 (Surrogate)	184		%	60	EPA 8260B	03/15/2005 21:12	03/16/2005 5:54	NMI
1,1,1,2-Tetrachloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:54	NMI
1,1,1-Trichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:54	NMI
1,1,2,2-Tetrachloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:54	NMI
1,1,2-Trichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:54	NMI
1,1-Dichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:54	NMI
1,1-Dichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:54	NMI
1,1-Dichloropropene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:54	NMI
1,2,3-Trichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:54	NMI
1,2,3-Trichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:54	NMI
1,2,4-Trichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:54	NMI

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13 GURNET RD PMB 289
BRUNSWICK ME 04011

Lab ID Number: AH02069
Project Number: BNAS Old Navy Fuel Farm
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Date Collected: 03/11/2005 11:30 AM
DateReceived: 03/11/2005 04:30 PM
Date Reported: 03/28/2005

Sample Matrix: G-WATER
Sample Description: MW-NASB-058
Sample Type: Unknown

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time	Analysis Date/Time	Analyst
1,2,4-Trimethylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:54	NMI
1,2-Dibromo-3-Chloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:54	NMI
1,2-Dibromoethane	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:54	NMI
1,2-Dichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:54	NMI
1,2-Dichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:54	NMI
1,2-Dichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:54	NMI
1,3,5-Trimethylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:54	NMI
1,3-Dichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:54	NMI
1,3-Dichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:54	NMI
1,4-Dichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:54	NMI
2,2-Dichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:54	NMI
2-Chlorotoluene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:54	NMI
2-Methoxy-2-Methylbutane (TAME)	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:54	NMI
4-Chlorotoluene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:54	NMI
4-Isopropyltoluene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:54	NMI
Bromobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:54	NMI
Bromochloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:54	NMI
Bromodichloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:54	NMI
Bromoform	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:54	NMI
Bromomethane	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:54	NMI
Carbon Disulfide	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:54	NMI
Carbon Tetrachloride	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:54	NMI
Chlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:54	NMI
Chloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:54	NMI
Chloroform	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:54	NMI
Chloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:54	NMI
cis-1,2-Dichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:54	NMI
cis-1,3-Dichloropropene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:54	NMI
Dibromochloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:54	NMI
Dibromomethane	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:54	NMI
Dichlorodifluoromethane	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:54	NMI
Diethyl Ether	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:54	NMI
Diisopropyl ether (DIPE)	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 5:54	NMI

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ANALYSIS REPORT

Attention: JACKSON KIKER
ECC
TREATMENT PLANT SUP
13 GURNET RD PMB 289
BRUNSWICK ME 04011

Lab ID Number: AH02069
Project Number: BNAS Old Navy Fuel Farm
P.O. Number: 5700
Date Collected: 03/11/2005 11:30 AM
DateReceived: 03/11/2005 04:30 PM
Date Reported: 03/28/2005

Sample Matrix: G-WATER
Sample Description: MW-NASB-058
Sample Type: Unknown

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time		Analysis Date/Time		Analyst
Ethyl-t-butyl-ether (ETBE)	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005	21:12	03/16/2005	5:54	NMI
Hexachlorobutadiene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005	21:12	03/16/2005	5:54	NMI
Isopropylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005	21:12	03/16/2005	5:54	NMI
Naphthalene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005	21:12	03/16/2005	5:54	NMI
n-Butylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005	21:12	03/16/2005	5:54	NMI
n-Propylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005	21:12	03/16/2005	5:54	NMI
sec-Butylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005	21:12	03/16/2005	5:54	NMI
Styrene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005	21:12	03/16/2005	5:54	NMI
tert-Butylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005	21:12	03/16/2005	5:54	NMI
Tetrachloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005	21:12	03/16/2005	5:54	NMI
trans-1,2-Dichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005	21:12	03/16/2005	5:54	NMI
trans-1,3-Dichloropropene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005	21:12	03/16/2005	5:54	NMI
Trichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005	21:12	03/16/2005	5:54	NMI
Trichlorofluoromethane	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005	21:12	03/16/2005	5:54	NMI
Vinyl Chloride	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005	21:12	03/16/2005	5:54	NMI
tert-Butanol (TBA)	20	U	ug/L	20	EPA 8260B	03/15/2005	21:12	03/16/2005	5:54	NMI
Methylene Chloride	5.0	U	ug/L	5.0	EPA 8260B	03/15/2005	21:12	03/16/2005	5:54	NMI
Tetrahydrofuran	5.0	U	ug/L	5.0	EPA 8260B	03/15/2005	21:12	03/16/2005	5:54	NMI
4-Bromofluorobenzene (Surrogate)	87		%	70	EPA 8260B	03/15/2005	21:12	03/16/2005	5:54	NMI

* *Initial analysis yielded internal standard areas and/or surrogate recovery deviations. Reanalysis yielded similar results confirming matrix interference.*

Diesel Range Organics Water

Diesel Range Organics	50	U	ug/L	50	MEDEP 4.1.25	03/14/2005	8:00	03/14/2005	23:02	ECT
p-terphenyl (Surrogate)	86		%	60	MEDEP 4.1.25	03/14/2005	8:00	03/14/2005	23:02	ECT
Total Petroleum Hydrocarbons	na		ug/L	50	MEDEP 4.1.25	03/14/2005	8:00	03/14/2005	23:02	ECT

* *The "U" qualifier indicates the compound was analyzed for but not detected.*

Alkalinity, Titrimetic	29		mg/L	1	EPA 310.1	03/14/2005	11:23	03/14/2005	15:25	KLM
MEDEP 4.125-Prep Water	Completed		Date	-	MEDEP 4.125	03/14/2005	8:00	03/14/2005	9:45	JNM
Ferrous Iron	68		ug/L	25.0	SM 3500 Fe D	03/11/2005	10:00	03/11/2005	16:00	KRN
Nitrate-N	1.1		mg/L	0.1	EPA 353.2	03/11/2005	18:02	03/11/2005	18:18	JS
Sulfate	20		mg/L	1.0	EPA 9056	03/11/2005	10:01	03/11/2005	20:53	JS
Total Organic Carbon	1.6		mg/L	1	EPA 415.1	03/15/2005	7:29	03/15/2005	14:32	JJC

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ANALYSIS REPORT

Attention: JACKSON KIKER
ECC
TREATMENT PLANT SUP
13 GURNET RD PMB 289
BRUNSWICK ME 04011

Lab ID Number: AH02069
Project Number: BNAS Old Navy Fuel Farm
P.O. Number: 5700
Date Collected: 03/11/2005 11:30 AM
DateReceived: 03/11/2005 04:30 PM
Date Reported: 03/28/2005

Sample Matrix: G-WATER
Sample Description: MW-NASB-058
Sample Type: Unknown

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time	Analysis Date/Time	Analyst

Comments:

Results are reported on a wet weight basis.

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Results meet the requirements of the NELAC standards unless otherwise noted above.

Reviewed By: Kelly A. Perkins **Review Date:** 03/28/2005
Kelly Perkins, Lab Manager

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TO: ECC

DATE SAMPLED:	03/11/2005	LABORATORY NUMBER:	AH02069
DATE RECEIVED:	03/11/2005	SAMPLE MATRIX:	G-WATER
DATE EXTRACTED:	03/14/2005	ANALYST:	ECT
DATE ANALYZED:	03/14/2005	SDG #:	ECC031105
DATE REPORTED:	03/28/2005		

SAMPLE DESCRIPTION: MW-NASB-058

DIESEL RANGE ORGANICS (DRO)

METHOD SUMMARY:

The water sample is defined as the entire contents of the container including any soil or secondary phase material present. The sample was extracted three (3) times with methylene chloride using a liguid/liquid extraction technique with sodium chloride added to increase the extraction efficiency. The combined extract was passed through anhydrous sodium sulfate to remove water and was concentrated using a Zymark Turbovap Concentrator or Kuderna-Danish Concentrator. The final extract and/or dilutions of the extract were analyzed using high-resolution capillary FID Gas Chromatography (J & W DB-1 column, 0.25 micron phase, 0.32mm ID, 30 meter). The sample chromatograms were compared to hydrocarbon standard chromatograms for descriptive purposes and were compared to a DRO component standard for quantification of results.

QUANTITATION/DESCRIPTION:

NEL Sample#	Client Identification	DRO Results ug/L (ppb)*	Qualifier	Surrogate Recovery p-Terphenyl**
AH02069	MW-NASB-058	50	U	86%

The "U" qualifier indicates the compound was analyzed for but not detected.

Results meet the requirements of the NELAC standards

NOTE:

Identification of pristane, phytane, and the n-alkanes is based on chromatographic patterns and retention times on a single column. Identity has not been confirmed. Several petroleum products have chromatographic profiles similar to one another; and product profiles change as weathering occurs. Descriptive/interpretive data has been provided for guidance only. Identity of products (either weathered or unweathered) should not be considered conclusive.

* Quantitation is based on a DRO component standard, utilizing a method defined window from carbon number 10 to 28 inclusive.

**p-Terphenyl is added to the sample prior to extraction as a means of assessing the validity of the analysis.

[ ] In instances in which the material outside the DRO window exceeds 25% of DRO, an estimated total TPH result (aproximately carbon number 9 to 40) will be given in brackets following the DRO result, utilizing the response of a DRO component standard. Only total TPH results exceeding 50 ug/L (ppb) will be listed.

Analysis was conducted according to Maine method 4.1.25, "Method for Determining Diesel Range Organics." The DRO Practical Quantitation Limit is 50 ug/L (ppb)*.

Reviewed By: Kelly A. Perkins Date: 3/29/2005
Kelly Perkins, Lab Manager

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ANALYSIS REPORT

Attention: JACKSON KIKER
ECC
TREATMENT PLANT SUP
13 GURNET RD PMB 289
BRUNSWICK ME 04011

Lab ID Number: AH02070
Project Number: BNAS Old Navy Fuel Farm
P.O. Number: 5700
Date Collected: 03/11/2005 01:15 PM
DateReceived: 03/11/2005 04:30 PM
Date Reported: 03/28/2005

Sample Matrix: G-WATER
Sample Description: MW-NASB-210
Sample Type: Unknown

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time	Analysis Date/Time	Analyst
EPA 8260-BNAS Fuel Farm								
Benzene	1.0	U	ug/L	1.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:18	NMI
Ethylbenzene	1.0	U	ug/L	1.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:18	NMI
m,p-Xylene	1.0	U	ug/L	1.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:18	NMI
o-Xylene	1.0	U	ug/L	1.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:18	NMI
t-Butyl-Methyl Ether	1.0	U	ug/L	1.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:18	NMI
Toluene	1.0	U	ug/L	1.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:18	NMI
2-Butanone	10	U	ug/L	10	EPA 8260B	03/14/2005 22:11	03/15/2005 6:18	NMI
2-Hexanone	10	U	ug/L	10	EPA 8260B	03/14/2005 22:11	03/15/2005 6:18	NMI
Acetone	10	U	ug/L	10	EPA 8260B	03/14/2005 22:11	03/15/2005 6:18	NMI
Methyl isobutyl ketone	10	U	ug/L	10	EPA 8260B	03/14/2005 22:11	03/15/2005 6:18	NMI
Toluene-d8 (Surrogate)	110		%	70	EPA 8260B	03/14/2005 22:11	03/15/2005 6:18	NMI
1,2-Dichloroethane-d4 (Surrogate)	157		%	60	EPA 8260B	03/14/2005 22:11	03/15/2005 6:18	NMI
1,1,1,2-Tetrachloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:18	NMI
1,1,1-Trichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:18	NMI
1,1,2,2-Tetrachloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:18	NMI
1,1,2-Trichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:18	NMI
1,1-Dichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:18	NMI
1,1-Dichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:18	NMI
1,1-Dichloropropene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:18	NMI
1,2,3-Trichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:18	NMI
1,2,3-Trichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:18	NMI
1,2,4-Trichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:18	NMI
1,2,4-Trimethylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:18	NMI
1,2-Dibromo-3-Chloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:18	NMI
1,2-Dibromoethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:18	NMI
1,2-Dichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:18	NMI
1,2-Dichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:18	NMI
1,2-Dichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:18	NMI
1,3,5-Trimethylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:18	NMI
1,3-Dichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:18	NMI
1,3-Dichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:18	NMI
1,4-Dichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:18	NMI

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ANALYSIS REPORT

Attention: JACKSON KIKER
ECC
TREATMENT PLANT SUP
13 GURNET RD PMB 289
BRUNSWICK ME 04011

Lab ID Number: AH02070
Project Number: BNAS Old Navy Fuel Farm
P.O. Number: 5700
Date Collected: 03/11/2005 01:15 PM
DateReceived: 03/11/2005 04:30 PM
Date Reported: 03/28/2005

Sample Matrix: G-WATER
Sample Description: MW-NASB-210
Sample Type: Unknown

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time	Analysis Date/Time	Analyst
2,2-Dichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:18	NMI
2-Chlorotoluene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:18	NMI
2-Methoxy-2-Methylbutane (TAME)	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:18	NMI
4-Chlorotoluene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:18	NMI
4-Isopropyltoluene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:18	NMI
Bromobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:18	NMI
Bromochloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:18	NMI
Bromodichloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:18	NMI
Bromoform	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:18	NMI
Bromomethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:18	NMI
Carbon Disulfide	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:18	NMI
Carbon Tetrachloride	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:18	NMI
Chlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:18	NMI
Chloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:18	NMI
Chloroform	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:18	NMI
Chloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:18	NMI
cis-1,2-Dichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:18	NMI
cis-1,3-Dichloropropene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:18	NMI
Dibromochloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:18	NMI
Dibromomethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:18	NMI
Dichlorodifluoromethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:18	NMI
Diethyl Ether	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:18	NMI
Diisopropyl ether (DIPE)	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:18	NMI
Ethyl-t-butyl-ether (ETBE)	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:18	NMI
Hexachlorobutadiene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:18	NMI
Isopropylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:18	NMI
Naphthalene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:18	NMI
n-Butylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:18	NMI
n-Propylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:18	NMI
sec-Butylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:18	NMI
Styrene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:18	NMI
tert-Butylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:18	NMI
Tetrachloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:18	NMI

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ANALYSIS REPORT

Attention: JACKSON KIKER
ECC
TREATMENT PLANT SUP
13 GURNET RD PMB 289
BRUNSWICK ME 04011

Lab ID Number: AH02070
Project Number: BNAS Old Navy Fuel Farm
P.O. Number: 5700
Date Collected: 03/11/2005 01:15 PM
DateReceived: 03/11/2005 04:30 PM
Date Reported: 03/28/2005

Sample Matrix: G-WATER
Sample Description: MW-NASB-210
Sample Type: Unknown

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time	Analysis Date/Time	Analyst
trans-1,2-Dichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:18	NMI
trans-1,3-Dichloropropene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:18	NMI
Trichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:18	NMI
Trichlorofluoromethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:18	NMI
Vinyl Chloride	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:18	NMI
tert-Butanol (TBA)	20	U	ug/L	20	EPA 8260B	03/14/2005 22:11	03/15/2005 6:18	NMI
Methylene Chloride	5.0	U	ug/L	5.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:18	NMI
Tetrahydrofuran	5.0	U	ug/L	5.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:18	NMI
4-Bromofluorobenzene (Surrogate)	96		%	70	EPA 8260B	03/14/2005 22:11	03/15/2005 6:18	NMI

* *Initial analysis yielded internal standard areas and/or surrogate recovery deviations. Reanalysis yielded similar results confirming matrix interference.*

EPA 8260-BNAS Fuel Farm Re-Analysis

Benzene	1.0	U	ug/L	1.0	EPA 8260B	03/15/2005 21:12	03/16/2005 6:29	NMI
Ethylbenzene	1.0	U	ug/L	1.0	EPA 8260B	03/15/2005 21:12	03/16/2005 6:29	NMI
m,p-Xylene	1.0	U	ug/L	1.0	EPA 8260B	03/15/2005 21:12	03/16/2005 6:29	NMI
o-Xylene	1.0	U	ug/L	1.0	EPA 8260B	03/15/2005 21:12	03/16/2005 6:29	NMI
t-Butyl-Methyl Ether	1.0	U	ug/L	1.0	EPA 8260B	03/15/2005 21:12	03/16/2005 6:29	NMI
Toluene	1.0	U	ug/L	1.0	EPA 8260B	03/15/2005 21:12	03/16/2005 6:29	NMI
2-Butanone	10	U	ug/L	10	EPA 8260B	03/15/2005 21:12	03/16/2005 6:29	NMI
2-Hexanone	10	U	ug/L	10	EPA 8260B	03/15/2005 21:12	03/16/2005 6:29	NMI
Acetone	10	U	ug/L	10	EPA 8260B	03/15/2005 21:12	03/16/2005 6:29	NMI
Methyl isobutyl ketone	10	U	ug/L	10	EPA 8260B	03/15/2005 21:12	03/16/2005 6:29	NMI
Toluene-d8 (Surrogate)	102		%	70	EPA 8260B	03/15/2005 21:12	03/16/2005 6:29	NMI
1,2-Dichloroethane-d4 (Surrogate)	136		%	60	EPA 8260B	03/15/2005 21:12	03/16/2005 6:29	NMI
1,1,1,2-Tetrachloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 6:29	NMI
1,1,1-Trichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 6:29	NMI
1,1,2,2-Tetrachloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 6:29	NMI
1,1,2-Trichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 6:29	NMI
1,1-Dichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 6:29	NMI
1,1-Dichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 6:29	NMI
1,1-Dichloropropene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 6:29	NMI
1,2,3-Trichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 6:29	NMI
1,2,3-Trichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 6:29	NMI
1,2,4-Trichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 6:29	NMI

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ANALYSIS REPORT

Attention: JACKSON KIKER
ECC
TREATMENT PLANT SUP
13 GURNET RD PMB 289
BRUNSWICK ME 04011

Lab ID Number: AH02070
Project Number: BNAS Old Navy Fuel Farm
P.O. Number: 5700
Date Collected: 03/11/2005 01:15 PM
DateReceived: 03/11/2005 04:30 PM
Date Reported: 03/28/2005

Sample Matrix: G-WATER
Sample Description: MW-NASB-210
Sample Type: Unknown

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time	Analysis Date/Time	Analyst
1,2,4-Trimethylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 6:29	NMI
1,2-Dibromo-3-Chloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 6:29	NMI
1,2-Dibromoethane	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 6:29	NMI
1,2-Dichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 6:29	NMI
1,2-Dichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 6:29	NMI
1,2-Dichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 6:29	NMI
1,3,5-Trimethylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 6:29	NMI
1,3-Dichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 6:29	NMI
1,3-Dichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 6:29	NMI
1,4-Dichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 6:29	NMI
2,2-Dichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 6:29	NMI
2-Chlorotoluene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 6:29	NMI
2-Methoxy-2-Methylbutane (TAME)	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 6:29	NMI
4-Chlorotoluene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 6:29	NMI
4-Isopropyltoluene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 6:29	NMI
Bromobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 6:29	NMI
Bromochloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 6:29	NMI
Bromodichloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 6:29	NMI
Bromoform	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 6:29	NMI
Bromomethane	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 6:29	NMI
Carbon Disulfide	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 6:29	NMI
Carbon Tetrachloride	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 6:29	NMI
Chlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 6:29	NMI
Chloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 6:29	NMI
Chloroform	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 6:29	NMI
Chloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 6:29	NMI
cis-1,2-Dichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 6:29	NMI
cis-1,3-Dichloropropene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 6:29	NMI
Dibromochloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 6:29	NMI
Dibromomethane	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 6:29	NMI
Dichlorodifluoromethane	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 6:29	NMI
Diethyl Ether	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 6:29	NMI
Diisopropyl ether (DIPE)	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005 21:12	03/16/2005 6:29	NMI

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ANALYSIS REPORT

Attention: JACKSON KIKER
ECC
TREATMENT PLANT SUP
13 GURNET RD PMB 289
BRUNSWICK ME 04011

Lab ID Number: AH02070
Project Number: BNAS Old Navy Fuel Farm
P.O. Number: 5700
Date Collected: 03/11/2005 01:15 PM
DateReceived: 03/11/2005 04:30 PM
Date Reported: 03/28/2005

Sample Matrix: G-WATER
Sample Description: MW-NASB-210
Sample Type: Unknown

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time		Analysis Date/Time		Analyst
Ethyl-t-butyl-ether (ETBE)	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005	21:12	03/16/2005	6:29	NMI
Hexachlorobutadiene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005	21:12	03/16/2005	6:29	NMI
Isopropylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005	21:12	03/16/2005	6:29	NMI
Naphthalene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005	21:12	03/16/2005	6:29	NMI
n-Butylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005	21:12	03/16/2005	6:29	NMI
n-Propylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005	21:12	03/16/2005	6:29	NMI
sec-Butylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005	21:12	03/16/2005	6:29	NMI
Styrene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005	21:12	03/16/2005	6:29	NMI
tert-Butylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005	21:12	03/16/2005	6:29	NMI
Tetrachloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005	21:12	03/16/2005	6:29	NMI
trans-1,2-Dichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005	21:12	03/16/2005	6:29	NMI
trans-1,3-Dichloropropene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005	21:12	03/16/2005	6:29	NMI
Trichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005	21:12	03/16/2005	6:29	NMI
Trichlorofluoromethane	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005	21:12	03/16/2005	6:29	NMI
Vinyl Chloride	2.0	U	ug/L	2.0	EPA 8260B	03/15/2005	21:12	03/16/2005	6:29	NMI
tert-Butanol (TBA)	20	U	ug/L	20	EPA 8260B	03/15/2005	21:12	03/16/2005	6:29	NMI
Methylene Chloride	5.0	U	ug/L	5.0	EPA 8260B	03/15/2005	21:12	03/16/2005	6:29	NMI
Tetrahydrofuran	5.0	U	ug/L	5.0	EPA 8260B	03/15/2005	21:12	03/16/2005	6:29	NMI
4-Bromofluorobenzene (Surrogate)	91		%	70	EPA 8260B	03/15/2005	21:12	03/16/2005	6:29	NMI

* *Initial analysis yielded internal standard areas and/or surrogate recovery deviations. Reanalysis yielded similar results confirming matrix interference.*

Diesel Range Organics Water

Diesel Range Organics	50	U	ug/L	50	MEDEP 4.1.25	03/14/2005	8:00	03/14/2005	23:43	ECT
p-terphenyl (Surrogate)	73		%	60	MEDEP 4.1.25	03/14/2005	8:00	03/14/2005	23:43	ECT
Total Petroleum Hydrocarbons	na		ug/L	50	MEDEP 4.1.25	03/14/2005	8:00	03/14/2005	23:43	ECT

* *The "U" qualifier indicates the compound was analyzed for but not detected.*

Alkalinity, Titrimetic	33		mg/L	1	EPA 310.1	03/14/2005	11:23	03/14/2005	15:25	KLM
MEDEP 4.125-Prep Water	Completed		Date	-	MEDEP 4.125	03/14/2005	8:00	03/14/2005	9:45	JNM
Ferrous Iron	1200		ug/L	25.0	SM 3500 Fe D	03/11/2005	10:00	03/11/2005	16:00	KRN
Nitrate-N	3.1		mg/L	0.2	EPA 353.2	03/11/2005	18:02	03/11/2005	18:18	JS

* *The reporting limit for nitrate has been changed to 0.2 due to 2x dilution factor.*

Sulfate	18		mg/L	1.0	EPA 9056	03/11/2005	10:01	03/11/2005	20:53	JS
Total Organic Carbon	8.8		mg/L	1	EPA 415.1	03/15/2005	7:29	03/15/2005	14:32	JJC

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ANALYSIS REPORT

Attention: JACKSON KIKER
ECC
TREATMENT PLANT SUP
13 GURNET RD PMB 289
BRUNSWICK ME 04011

Lab ID Number: AH02070
Project Number: BNAS Old Navy Fuel Farm
P.O. Number: 5700
Date Collected: 03/11/2005 01:15 PM
DateReceived: 03/11/2005 04:30 PM
Date Reported: 03/28/2005

Sample Matrix: G-WATER
Sample Description: MW-NASB-210
Sample Type: Unknown

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time	Analysis Date/Time	Analyst

Comments:

Results are reported on a wet weight basis.

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Results meet the requirements of the NELAC standards unless otherwise noted above.

Reviewed By: Kelly A. Perkins **Review Date:** 03/28/2005
Kelly Perkins, Lab Manager

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ANALYSIS REPORT

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TO: ECC

DATE SAMPLED:	03/11/2005	LABORATORY NUMBER:	AH02070
DATE RECEIVED:	03/11/2005	SAMPLE MATRIX:	G-WATER
DATE EXTRACTED:	03/14/2005	ANALYST:	ECT
DATE ANALYZED:	03/14/2005	SDG #:	ECC031105
DATE REPORTED:	03/28/2005		

SAMPLE DESCRIPTION: MW-NASB-210

DIESEL RANGE ORGANICS (DRO)

METHOD SUMMARY:

The water sample is defined as the entire contents of the container including any soil or secondary phase material present. The sample was extracted three (3) times with methylene chloride using a liguid/liquid extraction technique with sodium chloride added to increase the extraction efficiency. The combined extract was passed through anhydrous sodium sulfate to remove water and was concentrated using a Zymark Turbovap Concentrator or Kuderna-Danish Concentrator. The final extract and/or dilutions of the extract were analyzed using high-resolution capillary FID Gas Chromatography (J & W DB-1 column, 0.25 micron phase, 0.32mm ID, 30 meter). The sample chromatograms were compared to hydrocarbon standard chromatograms for descriptive purposes and were compared to a DRO component standard for quantification of results.

QUANTITATION/DESCRIPTION:

NEL Sample#	Client Identification	DRO Results ug/L (ppb)*	Qualifier	Surrogate Recovery p-Terphenyl**
AH02070	MW-NASB-210	50	U	73%

The "U" qualifier indicates the compound was analyzed for but not detected.

Results meet the requirements of the NELAC standards

NOTE:

Identification of pristane, phytane, and the n-alkanes is based on chromatographic patterns and retention times on a single column. Identity has not been confirmed. Several petroleum products have chromatographic profiles similar to one another; and product profiles change as weathering occurs. Descriptive/interpretive data has been provided for guidance only. Identity of products (either weathered or unweathered) should not be considered conclusive.

* Quantitation is based on a DRO component standard, utilizing a method defined window from carbon number 10 to 28 inclusive.

**p-Terphenyl is added to the sample prior to extraction as a means of assessing the validity of the analysis.

[ ] In instances in which the material outside the DRO window exceeds 25% of DRO, an estimated total TPH result (aproximately carbon number 9 to 40) will be given in brackets following the DRO result, utilizing the response of a DRO component standard. Only total TPH results exceeding 50 ug/L (ppb) will be listed.

Analysis was conducted according to Maine method 4.1.25, "Method for Determining Diesel Range Organics." The DRO Practical Quantitation Limit is 50 ug/L (ppb)*.

Reviewed By: Kelly A. Perkins Date: 3/29/2005
Kelly Perkins, Lab Manager

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ANALYSIS REPORT

Attention: JACKSON KIKER
ECC
TREATMENT PLANT SUP
13 GURNET RD PMB 289
BRUNSWICK ME 04011

Lab ID Number: AH02071
Project Number: BNAS Old Navy Fuel Farm
P.O. Number: 5700
Date Collected: 03/11/2005 12:00 AM
DateReceived: 03/11/2005 04:30 PM
Date Reported: 03/28/2005

Sample Matrix: G-WATER
Sample Description: MW-NASB-DUP1
Sample Type: Unknown

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time	Analysis Date/Time	Analyst
EPA 8260-BNAS Fuel Farm								
Benzene	1.0	U	ug/L	1.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:53	NMI
Ethylbenzene	1.0	U	ug/L	1.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:53	NMI
m,p-Xylene	1.0	U	ug/L	1.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:53	NMI
o-Xylene	1.0	U	ug/L	1.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:53	NMI
Toluene	1.0	U	ug/L	1.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:53	NMI
2-Butanone	10	U	ug/L	10	EPA 8260B	03/14/2005 22:11	03/15/2005 6:53	NMI
2-Hexanone	10	U	ug/L	10	EPA 8260B	03/14/2005 22:11	03/15/2005 6:53	NMI
Acetone	10	U	ug/L	10	EPA 8260B	03/14/2005 22:11	03/15/2005 6:53	NMI
Methyl isobutyl ketone	10	U	ug/L	10	EPA 8260B	03/14/2005 22:11	03/15/2005 6:53	NMI
Toluene-d8 (Surrogate)	111		%	70	EPA 8260B	03/14/2005 22:11	03/15/2005 6:53	NMI
1,2-Dichloroethane-d4 (Surrogate)	151		%	60	EPA 8260B	03/14/2005 22:11	03/15/2005 6:53	NMI
1,1,1,2-Tetrachloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:53	NMI
1,1,1-Trichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:53	NMI
1,1,2,2-Tetrachloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:53	NMI
1,1,2-Trichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:53	NMI
1,1-Dichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:53	NMI
1,1-Dichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:53	NMI
1,1-Dichloropropene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:53	NMI
1,2,3-Trichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:53	NMI
1,2,3-Trichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:53	NMI
1,2,4-Trichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:53	NMI
1,2,4-Trimethylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:53	NMI
1,2-Dibromo-3-Chloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:53	NMI
1,2-Dibromoethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:53	NMI
1,2-Dichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:53	NMI
1,2-Dichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:53	NMI
1,2-Dichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:53	NMI
1,3,5-Trimethylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:53	NMI
1,3-Dichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:53	NMI
1,3-Dichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:53	NMI
1,4-Dichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:53	NMI
2,2-Dichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:53	NMI

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ANALYSIS REPORT

Attention: JACKSON KIKER
ECC
TREATMENT PLANT SUP
13 GURNET RD PMB 289
BRUNSWICK ME 04011

Lab ID Number: AH02071
Project Number: BNAS Old Navy Fuel Farm
P.O. Number: 5700
Date Collected: 03/11/2005 12:00 AM
DateReceived: 03/11/2005 04:30 PM
Date Reported: 03/28/2005

Sample Matrix: G-WATER
Sample Description: MW-NASB-DUP1
Sample Type: Unknown

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time	Analysis Date/Time	Analyst
2-Chlorotoluene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:53	NMI
2-Methoxy-2-Methylbutane (TAME)	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:53	NMI
4-Chlorotoluene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:53	NMI
4-Isopropyltoluene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:53	NMI
Bromobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:53	NMI
Bromochloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:53	NMI
Bromodichloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:53	NMI
Bromoform	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:53	NMI
Bromomethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:53	NMI
Carbon Disulfide	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:53	NMI
Carbon Tetrachloride	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:53	NMI
Chlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:53	NMI
Chloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:53	NMI
Chloroform	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:53	NMI
Chloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:53	NMI
cis-1,2-Dichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:53	NMI
cis-1,3-Dichloropropene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:53	NMI
Dibromochloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:53	NMI
Dibromomethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:53	NMI
Dichlorodifluoromethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:53	NMI
Diethyl Ether	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:53	NMI
Diisopropyl ether (DIPE)	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:53	NMI
Ethyl-t-butyl-ether (ETBE)	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:53	NMI
Hexachlorobutadiene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:53	NMI
Isopropylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:53	NMI
Naphthalene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:53	NMI
n-Butylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:53	NMI
n-Propylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:53	NMI
sec-Butylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:53	NMI
Styrene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:53	NMI
tert-Butylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:53	NMI
Tetrachloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:53	NMI
trans-1,2-Dichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 6:53	NMI

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ANALYSIS REPORT

Attention: JACKSON KIKER
ECC
TREATMENT PLANT SUP
13 GURNET RD PMB 289
BRUNSWICK ME 04011

Lab ID Number: AH02071
Project Number: BNAS Old Navy Fuel Farm
P.O. Number: 5700
Date Collected: 03/11/2005 12:00 AM
DateReceived: 03/11/2005 04:30 PM
Date Reported: 03/28/2005

Sample Matrix: G-WATER
Sample Description: MW-NASB-DUP1
Sample Type: Unknown

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time		Analysis Date/Time		Analyst
trans-1,3-Dichloropropene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005	22:11	03/15/2005	6:53	NMI
Trichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005	22:11	03/15/2005	6:53	NMI
Trichlorofluoromethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005	22:11	03/15/2005	6:53	NMI
Vinyl Chloride	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005	22:11	03/15/2005	6:53	NMI
tert-Butanol (TBA)	20	U	ug/L	20	EPA 8260B	03/14/2005	22:11	03/15/2005	6:53	NMI
Methylene Chloride	5.0	U	ug/L	5.0	EPA 8260B	03/14/2005	22:11	03/15/2005	6:53	NMI
Tetrahydrofuran	5.0	U	ug/L	5.0	EPA 8260B	03/14/2005	22:11	03/15/2005	6:53	NMI
t-Butyl-Methyl Ether	5.5		ug/L	1.0	EPA 8260B	03/14/2005	22:11	03/15/2005	6:53	NMI
4-Bromofluorobenzene (Surrogate)	97		%	70	EPA 8260B	03/14/2005	22:11	03/15/2005	6:53	NMI
** The "U" qualifier indicates the compound was analyzed for but not detected.*										
Diesel Range Organics Water										
Diesel Range Organics	50	U	ug/L	50	MEDEP 4.1.25	03/14/2005	8:00	03/15/2005	0:23	ECT
p-terphenyl (Surrogate)	66		%	60	MEDEP 4.1.25	03/14/2005	8:00	03/15/2005	0:23	ECT
Total Petroleum Hydrocarbons	na		ug/L	50	MEDEP 4.1.25	03/14/2005	8:00	03/15/2005	0:23	ECT
** The "U" qualifier indicates the compound was analyzed for but not detected.*										
Alkalinity, Titrimetic	17		mg/L	1	EPA 310.1	03/14/2005	11:23	03/14/2005	15:25	KLM
MEDEP 4.125-Prep Water	Completed		Date	-	MEDEP 4.125	03/14/2005	8:00	03/14/2005	9:45	JNM
Ferrous Iron	7400		ug/L	25.0	SM 3500 Fe D	03/11/2005	10:00	03/11/2005	16:00	KRN
Nitrate-N	0.1	U	mg/L	0.1	EPA 353.2	03/11/2005	18:02	03/11/2005	18:18	JS
Sulfate	11		mg/L	1.0	EPA 9056	03/11/2005	10:01	03/11/2005	20:53	JS
Total Organic Carbon	3.1		mg/L	1	EPA 415.1	03/15/2005	7:29	03/15/2005	14:32	JJC

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Attention: JACKSON KIKER
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13 GURNET RD PMB 289
BRUNSWICK ME 04011

Lab ID Number: AH02071
Project Number: BNAS Old Navy Fuel Farm
P.O. Number: 5700
Date Collected: 03/11/2005 12:00 AM
DateReceived: 03/11/2005 04:30 PM
Date Reported: 03/28/2005

Sample Matrix: G-WATER
Sample Description: MW-NASB-DUP1
Sample Type: Unknown

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time	Analysis Date/Time	Analyst

Comments:

Results are reported on a wet weight basis.

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Results meet the requirements of the NELAC standards unless otherwise noted above.

Reviewed By: Kelly A. Perkins **Review Date:** 03/28/2005
Kelly Perkins, Lab Manager

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ANALYSIS REPORT

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TO: ECC

DATE SAMPLED:	03/11/2005	LABORATORY NUMBER:	AH02071
DATE RECEIVED:	03/11/2005	SAMPLE MATRIX:	G-WATER
DATE EXTRACTED:	03/14/2005	ANALYST:	ECT
DATE ANALYZED:	03/15/2005	SDG #:	ECC031105
DATE REPORTED:	03/28/2005		

SAMPLE DESCRIPTION: MW-NASB-DUP1

DIESEL RANGE ORGANICS (DRO)

METHOD SUMMARY:

The water sample is defined as the entire contents of the container including any soil or secondary phase material present. The sample was extracted three (3) times with methylene chloride using a liguid/liquid extraction technique with sodium chloride added to increase the extraction efficiency. The combined extract was passed through anhydrous sodium sulfate to remove water and was concentrated using a Zymark Turbovap Concentrator or Kuderna-Danish Concentrator. The final extract and/or dilutions of the extract were analyzed using high-resolution capillary FID Gas Chromatography (J & W DB-1 column, 0.25 micron phase, 0.32mm ID, 30 meter). The sample chromatograms were compared to hydrocarbon standard chromatograms for descriptive purposes and were compared to a DRO component standard for quantification of results.

QUANTITATION/DESCRIPTION:

NEL Sample#	Client Identification	DRO Results ug/L (ppb)*	Qualifier	Surrogate Recovery p-Terphenyl**
AH02071	MW-NASB-DUP1	50	U	66%

The "U" qualifier indicates the compound was analyzed for but not detected.

Results meet the requirements of the NELAC standards

NOTE:

Identification of pristane, phytane, and the n-alkanes is based on chromatographic patterns and retention times on a single column. Identity has not been confirmed. Several petroleum products have chromatographic profiles similar to one another; and product profiles change as weathering occurs. Descriptive/interpretive data has been provided for guidance only. Identity of products (either weathered or unweathered) should not be considered conclusive.

* Quantitation is based on a DRO component standard, utilizing a method defined window from carbon number 10 to 28 inclusive.

**p-Terphenyl is added to the sample prior to extraction as a means of assessing the validity of the analysis.

[ ] In instances in which the material outside the DRO window exceeds 25% of DRO, an estimated total TPH result (aproximately carbon number 9 to 40) will be given in brackets following the DRO result, utilizing the response of a DRO component standard. Only total TPH results exceeding 50 ug/L (ppb) will be listed.

Analysis was conducted according to Maine method 4.1.25, "Method for Determining Diesel Range Organics." The DRO Practical Quantitation Limit is 50 ug/L (ppb)*.

Reviewed By: Kelly A. Perkins Date: 3/29/2005
Kelly Perkins, Lab Manager

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ANALYSIS REPORT

Attention: JACKSON KIKER
ECC
TREATMENT PLANT SUP
13 GURNET RD PMB 289
BRUNSWICK ME 04011

Lab ID Number: AH02072
Project Number: BNAS Old Navy Fuel Farm
P.O. Number: 5700
Date Collected: 03/11/2005 08:00 AM
DateReceived: 03/11/2005 04:30 PM
Date Reported: 03/28/2005

Sample Matrix: T-BLANK
Sample Description: MW-NASB-TB09-10
Sample Type: QA/QC

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time	Analysis Date/Time	Analyst
EPA 8260-BNAS Fuel Farm								
Benzene	1.0	U	ug/L	1.0	EPA 8260B	03/14/2005 22:11	03/15/2005 7:28	NMI
Ethylbenzene	1.0	U	ug/L	1.0	EPA 8260B	03/14/2005 22:11	03/15/2005 7:28	NMI
m,p-Xylene	1.0	U	ug/L	1.0	EPA 8260B	03/14/2005 22:11	03/15/2005 7:28	NMI
o-Xylene	1.0	U	ug/L	1.0	EPA 8260B	03/14/2005 22:11	03/15/2005 7:28	NMI
t-Butyl-Methyl Ether	1.0	U	ug/L	1.0	EPA 8260B	03/14/2005 22:11	03/15/2005 7:28	NMI
Toluene	1.0	U	ug/L	1.0	EPA 8260B	03/14/2005 22:11	03/15/2005 7:28	NMI
Methyl isobutyl ketone	1.0	U	ug/L	10	EPA 8260B	03/14/2005 22:11	03/15/2005 7:28	NMI
2-Butanone	10	U	ug/L	10	EPA 8260B	03/14/2005 22:11	03/15/2005 7:28	NMI
2-Hexanone	10	U	ug/L	10	EPA 8260B	03/14/2005 22:11	03/15/2005 7:28	NMI
Acetone	10	U	ug/L	10	EPA 8260B	03/14/2005 22:11	03/15/2005 7:28	NMI
Toluene-d8 (Surrogate)	109		%	70	EPA 8260B	03/14/2005 22:11	03/15/2005 7:28	NMI
1,2-Dichloroethane-d4 (Surrogate)	149		%	60	EPA 8260B	03/14/2005 22:11	03/15/2005 7:28	NMI
1,1,1,2-Tetrachloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 7:28	NMI
1,1,1-Trichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 7:28	NMI
1,1,2,2-Tetrachloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 7:28	NMI
1,1,2-Trichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 7:28	NMI
1,1-Dichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 7:28	NMI
1,1-Dichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 7:28	NMI
1,1-Dichloropropene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 7:28	NMI
1,2,3-Trichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 7:28	NMI
1,2,3-Trichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 7:28	NMI
1,2,4-Trichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 7:28	NMI
1,2,4-Trimethylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 7:28	NMI
1,2-Dibromo-3-Chloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 7:28	NMI
1,2-Dibromoethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 7:28	NMI
1,2-Dichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 7:28	NMI
1,2-Dichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 7:28	NMI
1,2-Dichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 7:28	NMI
1,3,5-Trimethylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 7:28	NMI
1,3-Dichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 7:28	NMI
1,3-Dichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 7:28	NMI
1,4-Dichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 7:28	NMI

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ANALYSIS REPORT

Attention: JACKSON KIKER
ECC
TREATMENT PLANT SUP
13 GURNET RD PMB 289
BRUNSWICK ME 04011

Lab ID Number: AH02072
Project Number: BNAS Old Navy Fuel Farm
P.O. Number: 5700
Date Collected: 03/11/2005 08:00 AM
DateReceived: 03/11/2005 04:30 PM
Date Reported: 03/28/2005

Sample Matrix: T-BLANK
Sample Description: MW-NASB-TB09-10
Sample Type: QA/QC

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time	Analysis Date/Time	Analyst
2,2-Dichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 7:28	NMI
2-Chlorotoluene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 7:28	NMI
2-Methoxy-2-Methylbutane (TAME)	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 7:28	NMI
4-Chlorotoluene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 7:28	NMI
4-Isopropyltoluene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 7:28	NMI
Bromobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 7:28	NMI
Bromochloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 7:28	NMI
Bromodichloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 7:28	NMI
Bromoform	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 7:28	NMI
Bromomethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 7:28	NMI
Carbon Disulfide	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 7:28	NMI
Carbon Tetrachloride	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 7:28	NMI
Chlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 7:28	NMI
Chloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 7:28	NMI
Chloroform	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 7:28	NMI
Chloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 7:28	NMI
cis-1,2-Dichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 7:28	NMI
cis-1,3-Dichloropropene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 7:28	NMI
Dibromochloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 7:28	NMI
Dibromomethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 7:28	NMI
Dichlorodifluoromethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 7:28	NMI
Diethyl Ether	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 7:28	NMI
Diisopropyl ether (DIPE)	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 7:28	NMI
Ethyl-t-butyl-ether (ETBE)	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 7:28	NMI
Hexachlorobutadiene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 7:28	NMI
Isopropylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 7:28	NMI
Naphthalene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 7:28	NMI
n-Butylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 7:28	NMI
n-Propylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 7:28	NMI
sec-Butylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 7:28	NMI
Styrene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 7:28	NMI
tert-Butylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 7:28	NMI
Tetrachloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 7:28	NMI

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ANALYSIS REPORT

Attention: JACKSON KIKER
ECC
TREATMENT PLANT SUP
13 GURNET RD PMB 289
BRUNSWICK ME 04011

Lab ID Number: AH02072
Project Number: BNAS Old Navy Fuel Farm
P.O. Number: 5700
Date Collected: 03/11/2005 08:00 AM
DateReceived: 03/11/2005 04:30 PM
Date Reported: 03/28/2005

Sample Matrix: T-BLANK
Sample Description: MW-NASB-TB09-10
Sample Type: QA/QC

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time	Analysis Date/Time	Analyst
trans-1,2-Dichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 7:28	NMI
trans-1,3-Dichloropropene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 7:28	NMI
Trichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 7:28	NMI
Trichlorofluoromethane	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 7:28	NMI
Vinyl Chloride	2.0	U	ug/L	2.0	EPA 8260B	03/14/2005 22:11	03/15/2005 7:28	NMI
tert-Butanol (TBA)	20	U	ug/L	20	EPA 8260B	03/14/2005 22:11	03/15/2005 7:28	NMI
Methylene Chloride	5.0	U	ug/L	5.0	EPA 8260B	03/14/2005 22:11	03/15/2005 7:28	NMI
Tetrahydrofuran	5.0	U	ug/L	5.0	EPA 8260B	03/14/2005 22:11	03/15/2005 7:28	NMI
4-Bromofluorobenzene (Surrogate)	99		%	70	EPA 8260B	03/14/2005 22:11	03/15/2005 7:28	NMI

** The "U" qualifier indicates the compound was analyzed for but not detected.*

Comments:

Please see the specific analysis comment(s) above.

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Results meet the requirements of the NELAC standards unless otherwise noted above.

Reviewed By: Kelly A. Perkins **Review Date:** 03/28/2005
Kelly Perkins, Lab Manager

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AIR TOXICS LTD.

SAMPLE NAME: AH02050

ID#: 0503273-01A

MODIFIED METHOD VSK-175 GC/FID

File Name:	7031513	Date of Collection:	3/10/05
Dil. Factor:	1.00	Date of Analysis:	3/15/05 07:22 PM

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.0050	Not Detected

Container Type: VOA Vial-40 mL

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AIR TOXICS LTD.

SAMPLE NAME: AH02049

ID#: 0503251-07A

MODIFIED METHOD VSK-175 GC/FID

File Name:	7031511	Date of Collection:	3/10/05
Dil. Factor:	1.00	Date of Analysis:	3/15/05 06:40 PM

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.0050	Not Detected

Container Type: VOA Vial-40 mL

 90

AIR TOXICS LTD.

SAMPLE NAME: AH02047

ID#: 0503251-09A

MODIFIED METHOD VSK-175 GC/FID

File Name:	7031512	Date of Collection:	3/10/05
Dil. Factor:	1.00	Date of Analysis:	3/15/05 07:01 PM

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.0050	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: AH01972

ID#: 0503251-01A

MODIFIED METHOD VSK-175 GC/FID

File Name:	7031504	Date of Collection:	3/8/05
Dil. Factor:	1.00	Date of Analysis:	3/15/05 04:11 PM

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.0050	1.1

Container Type: VOA Vial-40 mL

9 9

AIR TOXICS LTD.

SAMPLE NAME: AH01972 Duplicate

ID#: 0503251-01AA

MODIFIED METHOD VSK-175 GC/FID

File Name:	7031505	Date of Collection:	3/8/05
Dil. Factor:	1.00	Date of Analysis:	3/15/05 04:32 PM

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.0050	1.1

Container Type: VOA Vial-40 mL

100

AIR TOXICS LTD.

SAMPLE NAME: AH01973

ID#: 0503251-02A

MODIFIED METHOD VSK-175 GC/FID

File Name:	7031506	Date of Collection:	3/8/05
Dil. Factor:	1.00	Date of Analysis:	3/15/05 04:53 PM

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.0050	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: AH01974

ID#: 0503251-03A

MODIFIED METHOD VSK-175 GC/FID

File Name:	7031507	Date of Collection:	3/8/05
Dil. Factor:	1.00	Date of Analysis:	3/15/05 05:14 PM

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.0050	Not Detected

Container Type: VOA Vial-40 mL

102

AIR TOXICS LTD.

SAMPLE NAME: AH02009

ID#: 0503251-04A

MODIFIED METHOD VSK-175 GC/FID

File Name:	7031508	Date of Collection:	3/9/05
Dil. Factor:	1.00	Date of Analysis:	3/15/05 05:36 PM

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.0050	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: AH02010

ID#: 0503251-05A

MODIFIED METHOD VSK-175 GC/FID

File Name:	7031509	Date of Collection:	3/9/05
Dil. Factor:	1.00	Date of Analysis:	3/15/05 05:57 PM

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.0050	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: AH02048

ID#: 0503251-06A

MODIFIED METHOD VSK-175 GC/FID

File Name:	7031510	Date of Collection:	3/10/05
Dil. Factor:	1.00	Date of Analysis:	3/15/05 06:18 PM

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.0050	0.0099

Container Type: VOA Vial-40 mL

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ANALYSIS REPORT

Attention: JACKSON KIKER
ECC
TREATMENT PLANT SUP
13 GURNET RD PMB 289
BRUNSWICK ME 04011

Lab ID Number: AH02089
Project Number: NASB Old Navy Fuel Farm
P.O. Number: 5700
Date Collected: 03/14/2005 10:50 AM
DateReceived: 03/14/2005 04:20 PM
Date Reported: 03/28/2005

Sample Matrix: G-WATER
Sample Description: MW-NASB-208BR
Sample Type: Unknown

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time		Analysis Date/Time		Analyst
EPA 8260-BNAS Fuel Farm										
Benzene	1.0	U	ug/L	1.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:10	NMI
Ethylbenzene	1.0	U	ug/L	1.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:10	NMI
m,p-Xylene	1.0	U	ug/L	1.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:10	NMI
o-Xylene	1.0	U	ug/L	1.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:10	NMI
t-Butyl-Methyl Ether	1.0	U	ug/L	1.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:10	NMI
Toluene	1.0	U	ug/L	1.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:10	NMI
2-Butanone	10	U	ug/L	10	EPA 8260B	03/23/2005	9:52	03/23/2005	13:10	NMI
2-Hexanone	10	U	ug/L	10	EPA 8260B	03/23/2005	9:52	03/23/2005	13:10	NMI
Acetone	10	U	ug/L	10	EPA 8260B	03/23/2005	9:52	03/23/2005	13:10	NMI
Methyl isobutyl ketone	10	U	ug/L	10	EPA 8260B	03/23/2005	9:52	03/23/2005	13:10	NMI
1,2-Dichloroethane-d4 (Surrogate)	116		%	60	EPA 8260B	03/23/2005	9:52	03/23/2005	13:10	NMI
Dichlorodifluoromethane	12		ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:10	NMI
4-Bromofluorobenzene (Surrogate)	123		%	70	EPA 8260B	03/23/2005	9:52	03/23/2005	13:10	NMI
Toluene-d8 (Surrogate)	125		%	70	EPA 8260B	03/23/2005	9:52	03/23/2005	13:10	NMI
1,1,1,2-Tetrachloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:10	NMI
1,1,1-Trichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:10	NMI
1,1,2,2-Tetrachloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:10	NMI
1,1,2-Trichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:10	NMI
1,1-Dichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:10	NMI
1,1-Dichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:10	NMI
1,1-Dichloropropene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:10	NMI
1,2,3-Trichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:10	NMI
1,2,3-Trichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:10	NMI
1,2,4-Trichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:10	NMI
1,2,4-Trimethylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:10	NMI
1,2-Dibromo-3-Chloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:10	NMI
1,2-Dibromoethane	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:10	NMI
1,2-Dichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:10	NMI
1,2-Dichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:10	NMI
1,2-Dichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:10	NMI
1,3,5-Trimethylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:10	NMI
1,3-Dichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:10	NMI

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ANALYSIS REPORT

Attention: JACKSON KIKER
ECC
TREATMENT PLANT SUP
13 GURNET RD PMB 289
BRUNSWICK ME 04011

Lab ID Number: AH02089
Project Number: NASB Old Navy Fuel Farm
P.O. Number: 5700
Date Collected: 03/14/2005 10:50 AM
DateReceived: 03/14/2005 04:20 PM
Date Reported: 03/28/2005

Sample Matrix: G-WATER
Sample Description: MW-NASB-208BR
Sample Type: Unknown

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time		Analysis Date/Time		Analyst
1,3-Dichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:10	NMI
1,4-Dichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:10	NMI
2,2-Dichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:10	NMI
2-Chlorotoluene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:10	NMI
2-Methoxy-2-Methylbutane (TAME)	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:10	NMI
4-Chlorotoluene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:10	NMI
4-Isopropyltoluene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:10	NMI
Bromobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:10	NMI
Bromochloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:10	NMI
Bromodichloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:10	NMI
Bromoform	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:10	NMI
Bromomethane	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:10	NMI
Carbon Disulfide	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:10	NMI
Carbon Tetrachloride	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:10	NMI
Chlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:10	NMI
Chloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:10	NMI
Chloroform	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:10	NMI
Chloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:10	NMI
cis-1,2-Dichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:10	NMI
cis-1,3-Dichloropropene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:10	NMI
Dibromochloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:10	NMI
Dibromomethane	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:10	NMI
Diethyl Ether	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:10	NMI
Diisopropyl ether (DIPE)	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:10	NMI
Ethyl-t-butyl-ether (ETBE)	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:10	NMI
Hexachlorobutadiene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:10	NMI
Isopropylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:10	NMI
Naphthalene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:10	NMI
n-Butylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:10	NMI
n-Propylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:10	NMI
sec-Butylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:10	NMI
Styrene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:10	NMI
tert-Butylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:10	NMI

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ANALYSIS REPORT

Attention: JACKSON KIKER
ECC
TREATMENT PLANT SUP
13 GURNET RD PMB 289
BRUNSWICK ME 04011

Lab ID Number: AH02089
Project Number: NASB Old Navy Fuel Farm
P.O. Number: 5700
Date Collected: 03/14/2005 10:50 AM
DateReceived: 03/14/2005 04:20 PM
Date Reported: 03/28/2005

Sample Matrix: G-WATER
Sample Description: MW-NASB-208BR
Sample Type: Unknown

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time		Analysis Date/Time		Analyst
Tetrachloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:10	NMI
trans-1,2-Dichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:10	NMI
trans-1,3-Dichloropropene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:10	NMI
Trichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:10	NMI
Trichlorofluoromethane	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:10	NMI
Vinyl Chloride	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:10	NMI
tert-Butanol (TBA)	20	U	ug/L	20	EPA 8260B	03/23/2005	9:52	03/23/2005	13:10	NMI
Methylene Chloride	5.0	U	ug/L	5.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:10	NMI
Tetrahydrofuran	5.0	U	ug/L	5.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:10	NMI
* *The "U" qualifier indicates the compound was analyzed for but not detected.*										
Diesel Range Organics Water										
Diesel Range Organics	50	U	ug/L	50	MEDEP 4.1.25	03/17/2005	7:30	03/17/2005	19:15	ECT
p-terphenyl (Surrogate)	73		%	60	MEDEP 4.1.25	03/17/2005	7:30	03/17/2005	19:15	ECT
Total Petroleum Hydrocarbons	na		ug/L	50	MEDEP 4.1.25	03/17/2005	7:30	03/17/2005	19:15	ECT
* *The "U" qualifier indicates the compound was analyzed for but not detected.*										
Alkalinity, Titrimetic	200		mg/L	1	EPA 310.1	03/16/2005	16:51	03/16/2005	18:59	KLM
MEDEP 4.125-Prep Water	Completed		Date	-	MEDEP 4.125	03/17/2005	7:30	03/17/2005	9:55	JNM
Ferrous Iron	15000		ug/L	25.0	SM 3500 Fe D	03/15/2005	10:00	03/15/2005	10:30	KRN
Nitrate-N	0.1	U	mg/L	0.1	EPA 353.2	03/15/2005	13:35	03/15/2005	13:48	JS
Sulfate	1.0		mg/L	1.0	EPA 9056	03/15/2005	10:01	03/16/2005	9:42	JS
Total Organic Carbon	2.7		mg/L	1	EPA 415.1	03/15/2005	7:29	03/15/2005	14:32	JJC

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ANALYSIS REPORT

Attention: JACKSON KIKER
ECC
TREATMENT PLANT SUP
13 GURNET RD PMB 289
BRUNSWICK ME 04011

Lab ID Number: AH02089
Project Number: NASB Old Navy Fuel Farm
P.O. Number: 5700
Date Collected: 03/14/2005 10:50 AM
DateReceived: 03/14/2005 04:20 PM
Date Reported: 03/28/2005

Sample Matrix: G-WATER
Sample Description: MW-NASB-208BR
Sample Type: Unknown

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time	Analysis Date/Time	Analyst

Comments:

Results are reported on a wet weight basis.

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Results meet the requirements of the NELAC standards unless otherwise noted above.

Reviewed By: Kelly A. Perkins **Review Date:** 03/28/2005
Kelly Perkins, Lab Manager

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TO: ECC

DATE SAMPLED:	03/14/2005	LABORATORY NUMBER:	AH02089
DATE RECEIVED:	03/14/2005	SAMPLE MATRIX:	G-WATER
DATE EXTRACTED:	03/17/2005	ANALYST:	ECT
DATE ANALYZED:	03/17/2005	SDG #:	ECC031405
DATE REPORTED:	03/28/2005		

SAMPLE DESCRIPTION: MW-NASB-208BR

DIESEL RANGE ORGANICS (DRO)

METHOD SUMMARY:

The water sample is defined as the entire contents of the container including any soil or secondary phase material present. The sample was extracted three (3) times with methylene chloride using a liguid/liquid extraction technique with sodium chloride added to increase the extraction efficiency. The combined extract was passed through anhydrous sodium sulfate to remove water and was concentrated using a Zymark Turbovap Concentrator or Kuderna-Danish Concentrator. The final extract and/or dilutions of the extract were analyzed using high-resolution capillary FID Gas Chromatography (J & W DB-1 column, 0.25 micron phase, 0.32mm ID, 30 meter). The sample chromatograms were compared to hydrocarbon standard chromatograms for descriptive purposes and were compared to a DRO component standard for quantification of results.

QUANTITATION/DESCRIPTION:

NEL Sample#	Client Identification	DRO Results ug/L (ppb)*	Qualifier	Surrogate Recovery p-Terphenyl**
AH02089	MW-NASB-208BR	50	U	73%

The "U" qualifier indicates the compound was analyzed for but not detected.

Results meet the requirements of the NELAC standards

NOTE:

Identification of pristane, phytane, and the n-alkanes is based on chromatographic patterns and retention times on a single column. Identity has not been confirmed. Several petroleum products have chromatographic profiles similar to one another; and product profiles change as weathering occurs. Descriptive/interpretive data has been provided for guidance only. Identity of products (either weathered or unweathered) should not be considered conclusive.

* Quantitation is based on a DRO component standard, utilizing a method defined window from carbon number 10 to 28 inclusive.

**p-Terphenyl is added to the sample prior to extraction as a means of assessing the validity of the analysis.

[ ] In instances in which the material outside the DRO window exceeds 25% of DRO, an estimated total TPH result (aproximately carbon number 9 to 40) will be given in brackets following the DRO result, utilizing the response of a DRO component standard. Only total TPH results exceeding 50 ug/L (ppb) will be listed.

Analysis was conducted according to Maine method 4.1.25, "Method for Determining Diesel Range Organics." The DRO Practical Quantitation Limit is 50 ug/L (ppb)*.

Reviewed By: Kelly A. Perkins Date: 3/29/2005
Kelly Perkins, Lab Manager

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ANALYSIS REPORT

Attention: JACKSON KIKER
ECC
TREATMENT PLANT SUP
13 GURNET RD PMB 289
BRUNSWICK ME 04011

Lab ID Number: AH02090
Project Number: NASB Old Navy Fuel Farm
P.O. Number: 5700
Date Collected: 03/14/2005 12:00 PM
DateReceived: 03/14/2005 04:20 PM
Date Reported: 03/28/2005

Sample Matrix: G-WATER
Sample Description: ONFF-Rinsate Blank
Sample Type: Unknown

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time		Analysis Date/Time		Analyst
EPA 8260-BNAS Fuel Farm										
Benzene	1.0	U	ug/L	1.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:54	NMI
Ethylbenzene	1.0	U	ug/L	1.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:54	NMI
m,p-Xylene	1.0	U	ug/L	1.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:54	NMI
o-Xylene	1.0	U	ug/L	1.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:54	NMI
t-Butyl-Methyl Ether	1.0	U	ug/L	1.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:54	NMI
Toluene	1.0	U	ug/L	1.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:54	NMI
2-Butanone	10	U	ug/L	10	EPA 8260B	03/23/2005	9:52	03/23/2005	13:54	NMI
2-Hexanone	10	U	ug/L	10	EPA 8260B	03/23/2005	9:52	03/23/2005	13:54	NMI
Acetone	10	U	ug/L	10	EPA 8260B	03/23/2005	9:52	03/23/2005	13:54	NMI
Methyl isobutyl ketone	10	U	ug/L	10	EPA 8260B	03/23/2005	9:52	03/23/2005	13:54	NMI
1,1,1,2-Tetrachloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:54	NMI
1,1,1-Trichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:54	NMI
1,1,2,2-Tetrachloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:54	NMI
1,1,2-Trichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:54	NMI
1,1-Dichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:54	NMI
1,1-Dichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:54	NMI
1,1-Dichloropropene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:54	NMI
1,2,3-Trichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:54	NMI
1,2,3-Trichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:54	NMI
1,2,4-Trichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:54	NMI
1,2,4-Trimethylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:54	NMI
1,2-Dibromo-3-Chloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:54	NMI
1,2-Dibromoethane	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:54	NMI
1,2-Dichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:54	NMI
1,2-Dichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:54	NMI
1,2-Dichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:54	NMI
1,3,5-Trimethylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:54	NMI
1,3-Dichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:54	NMI
1,3-Dichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:54	NMI
1,4-Dichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:54	NMI
2,2-Dichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:54	NMI
2-Chlorotoluene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:54	NMI

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ANALYSIS REPORT

Attention: JACKSON KIKER
ECC
TREATMENT PLANT SUP
13 GURNET RD PMB 289
BRUNSWICK ME 04011

Lab ID Number: AH02090
Project Number: NASB Old Navy Fuel Farm
P.O. Number: 5700
Date Collected: 03/14/2005 12:00 PM
DateReceived: 03/14/2005 04:20 PM
Date Reported: 03/28/2005

Sample Matrix: G-WATER
Sample Description: ONFF-Rinsate Blank
Sample Type: Unknown

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time		Analysis Date/Time		Analyst
2-Methoxy-2-Methylbutane (TAME)	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:54	NMI
4-Chlorotoluene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:54	NMI
4-Isopropyltoluene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:54	NMI
Bromobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:54	NMI
Bromochloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:54	NMI
Bromodichloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:54	NMI
Bromoform	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:54	NMI
Bromomethane	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:54	NMI
Carbon Disulfide	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:54	NMI
Carbon Tetrachloride	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:54	NMI
Chlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:54	NMI
Chloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:54	NMI
Chloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:54	NMI
cis-1,2-Dichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:54	NMI
cis-1,3-Dichloropropene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:54	NMI
Dibromochloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:54	NMI
Dibromomethane	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:54	NMI
Dichlorodifluoromethane	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:54	NMI
Diethyl Ether	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:54	NMI
Diisopropyl ether (DIPE)	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:54	NMI
Ethyl-t-butyl-ether (ETBE)	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:54	NMI
Hexachlorobutadiene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:54	NMI
Isopropylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:54	NMI
Naphthalene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:54	NMI
n-Butylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:54	NMI
n-Propylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:54	NMI
sec-Butylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:54	NMI
Styrene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:54	NMI
tert-Butylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:54	NMI
Tetrachloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:54	NMI
trans-1,2-Dichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:54	NMI
trans-1,3-Dichloropropene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:54	NMI
Trichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:54	NMI

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ANALYSIS REPORT

Attention: JACKSON KIKER
ECC
TREATMENT PLANT SUP
13 GURNET RD PMB 289
BRUNSWICK ME 04011

Lab ID Number: AH02090
Project Number: NASB Old Navy Fuel Farm
P.O. Number: 5700
Date Collected: 03/14/2005 12:00 PM
DateReceived: 03/14/2005 04:20 PM
Date Reported: 03/28/2005

Sample Matrix: G-WATER
Sample Description: ONFF-Rinsate Blank
Sample Type: Unknown

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time		Analysis Date/Time		Analyst
Trichlorofluoromethane	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:54	NMI
Vinyl Chloride	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:54	NMI
tert-Butanol (TBA)	20	U	ug/L	20	EPA 8260B	03/23/2005	9:52	03/23/2005	13:54	NMI
Chloroform	3.6		ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:54	NMI
Methylene Chloride	5.0	U	ug/L	5.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:54	NMI
Tetrahydrofuran	5.0	U	ug/L	5.0	EPA 8260B	03/23/2005	9:52	03/23/2005	13:54	NMI
4-Bromofluorobenzene (Surrogate)	95		%	70	EPA 8260B	03/23/2005	9:52	03/23/2005	13:54	NMI
1,2-Dichloroethane-d4 (Surrogate)	96		%	60	EPA 8260B	03/23/2005	9:52	03/23/2005	13:54	NMI
Toluene-d8 (Surrogate)	98		%	70	EPA 8260B	03/23/2005	9:52	03/23/2005	13:54	NMI

** The "U" qualifier indicates the compound was analyzed for but not detected.*

Diesel Range Organics Water

Diesel Range Organics	50	U	ug/L	50	MEDEP 4.1.25	03/17/2005	7:30	03/17/2005	19:57	ECT
p-terphenyl (Surrogate)	60		%	60	MEDEP 4.1.25	03/17/2005	7:30	03/17/2005	19:57	ECT
Total Petroleum Hydrocarbons	na		ug/L	50	MEDEP 4.1.25	03/17/2005	7:30	03/17/2005	19:57	ECT

** The "U" qualifier indicates the compound was analyzed for but not detected.*

Gasoline Range Organics Water

Benzene	1.0	U	ug/L	1.0	MEDEP 4.2.17	03/15/2005	13:49	03/15/2005	18:49	ECT
Ethyl benzene	1.0	U	ug/L	1.0	MEDEP 4.2.17	03/15/2005	13:49	03/15/2005	18:49	ECT
Toluene	1.0	U	ug/L	1.0	MEDEP 4.2.17	03/15/2005	13:49	03/15/2005	18:49	ECT
Total xylenes	1.0	U	ug/L	1.0	MEDEP 4.2.17	03/15/2005	13:49	03/15/2005	18:49	ECT
GROAQ	10	U	ug/L	10.0	MEDEP 4.2.17	03/15/2005	13:49	03/15/2005	18:49	ECT
4-Bromofluorobenzene (Surrogate)	104		%	60	MEDEP 4.2.17	03/15/2005	13:49	03/15/2005	18:49	ECT
MTBE (Methyl-t-Butyl Ether)	2.0	U	ug/L	2.0	MEDEP 4.2.17	03/15/2005	13:49	03/15/2005	18:49	ECT

** The "U" qualifier indicates the compound was analyzed for but not detected.*

MEDEP 4.125-Prep Water	Completed		Date	-	MEDEP 4.125	03/17/2005	7:30	03/17/2005	9:55	JNM

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Sample Matrix: G-WATER
Sample Description: ONFF-Rinsate Blank
Sample Type: Unknown

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time	Analysis Date/Time	Analyst

Comments:

Results are reported on a wet weight basis.

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Results meet the requirements of the NELAC standards unless otherwise noted above.

Reviewed By: Kelly A. Perkins **Review Date:** 03/28/2005
Kelly Perkins, Lab Manager

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Northeast Laboratory SERVICES

P.O. Box 788
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227 China Road
Winslow, Maine 04901

ANALYSIS REPORT

Administrative Offices
Phone: 207-873-7711
Fax: 207-873-7022

Customer Service
Phone: 820022478378
Fax: 207-873-7022

TO: ECC

DATE SAMPLED:	03/14/2005	LABORATORY NUMBER:	AH02090
DATE RECEIVED:	03/14/2005	SAMPLE MATRIX:	G-WATER
DATE EXTRACTED:	03/17/2005	ANALYST:	ECT
DATE ANALYZED:	03/17/2005	SDG #:	ECC031405
DATE REPORTED:	03/28/2005		

SAMPLE DESCRIPTION: ONFF-Rinsate Blank

DIESEL RANGE ORGANICS (DRO)

METHOD SUMMARY:

The water sample is defined as the entire contents of the container including any soil or secondary phase material present. The sample was extracted three (3) times with methylene chloride using a liguid/liquid extraction technique with sodium chloride added to increase the extraction efficiency. The combined extract was passed through anhydrous sodium sulfate to remove water and was concentrated using a Zymark Turbovap Concentrator or Kuderna-Danish Concentrator. The final extract and/or dilutions of the extract were analyzed using high-resolution capillary FID Gas Chromatography (J & W DB-1 column, 0.25 micron phase, 0.32mm ID, 30 meter). The sample chromatograms were compared to hydrocarbon standard chromatograms for descriptive purposes and were compared to a DRO component standard for quantification of results.

QUANTITATION/DESCRIPTION:

NEL Sample#	Client Identification	DRO Results ug/L (ppb)*	Qualifier	Surrogate Recovery p-Terphenyl**
AH02090	ONFF-Rinsate Blank	50	U	60%

The "U" qualifier indicates the compound was analyzed for but not detected.

Results meet the requirements of the NELAC standards

NOTE:

Identification of pristane, phytane, and the n-alkanes is based on chromatographic patterns and retention times on a single column. Identity has not been confirmed. Several petroleum products have chromatographic profiles similar to one another; and product profiles change as weathering occurs. Descriptive/interpretive data has been provided for guidance only. Identity of products (either weathered or unweathered) should not be considered conclusive.

* Quantitation is based on a DRO component standard, utilizing a method defined window from carbon number 10 to 28 inclusive.

**p-Terphenyl is added to the sample prior to extraction as a means of assessing the validity of the analysis.

[ ] In instances in which the material outside the DRO window exceeds 25% of DRO, an estimated total TPH result (aproximately carbon number 9 to 40) will be given in brackets following the DRO result, utilizing the response of a DRO component standard. Only total TPH results exceeding 50 ug/L (ppb) will be listed.

Analysis was conducted according to Maine method 4.1.25, "Method for Determining Diesel Range Organics." The DRO Practical Quantitation Limit is 50 ug/L (ppb)*.

Reviewed By: Kelly A. Perkins Date: 3/29/2005
Kelly Perkins, Lab Manager

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DATE SAMPLED:	03/14/2005	LABORATORY NUMBER:	AH02090
DATE RECEIVED:	03/14/2005	SAMPLE MATRIX:	G-WATER
DATE ANALYZED:	03/15/2005	ANALYST:	ECT
DATE REPORTED:	03/28/2005	SDG #:	ECC031405

SAMPLE DESCRIPTION: ONFF-Rinsate Blank

GASOLINE RANGE ORGANICS (GRO)

NEL Sample #	Client Identification	GRO Results ug/L (ppb)	Qualifier	MTBE & BTEX ug/L (ppb)*	Qualifier	Reporting Limit	Surrogate Recovery 4-BFB**
AH02090	ONFF-Rinsate Blank	10	U	MTBE:2.0	U	2	104%
				Benzene:1.0	U	1	
				Toluene:1.0	U	1	
				EthylBenzene:1.0	U	1	
				TotalXylenes:1.0	U	1	

The "U" qualifier indicates the compound was analyzed for but not detected.

Results meet the requirements of the NELAC standards

* Identification of MTBE and the BTEX compounds is based on retention times on the primary column. Identity has not been confirmed. Because of the possibility of co-eluting compounds, these quantitations may be higher than the actual concentration. For a more accurate or EPA approved quantitation of these compounds request Method 8260.

**4-Bromofluorobenzene is added to the sample as a means of assessing the validity of the analysis.

NOTE: See attached method information.

Analysis was conducted according to Maine method 4.2.17, "Method for Determining Gasoline Range Organics".

Reviewed By: Kelly A. Perkins Date: 3/29/2005
Kelly Perkins, Lab Manager

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ANALYSIS REPORT

Attention: JACKSON KIKER
ECC
TREATMENT PLANT SUP
13 GURNET RD PMB 289
BRUNSWICK ME 04011

Lab ID Number: AH02091
Project Number: NASB Old Navy Fuel Farm
P.O. Number: 5700
Date Collected: 03/14/2005 08:00 AM
DateReceived: 03/14/2005 04:20 PM
Date Reported: 03/28/2005

Sample Matrix: G-ATER
Sample Description: MW-NASB-TB11-13
Sample Type: QA/QC

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time		Analysis Date/Time		Analyst
EPA 8260-BNAS Fuel Farm										
Benzene	1.0	U	ug/L	1.0	EPA 8260B	03/23/2005	9:52	03/23/2005	14:37	NMI
Ethylbenzene	1.0	U	ug/L	1.0	EPA 8260B	03/23/2005	9:52	03/23/2005	14:37	NMI
m,p-Xylene	1.0	U	ug/L	1.0	EPA 8260B	03/23/2005	9:52	03/23/2005	14:37	NMI
o-Xylene	1.0	U	ug/L	1.0	EPA 8260B	03/23/2005	9:52	03/23/2005	14:37	NMI
t-Butyl-Methyl Ether	1.0	U	ug/L	1.0	EPA 8260B	03/23/2005	9:52	03/23/2005	14:37	NMI
Toluene	1.0	U	ug/L	1.0	EPA 8260B	03/23/2005	9:52	03/23/2005	14:37	NMI
2-Butanone	10	U	ug/L	10	EPA 8260B	03/23/2005	9:52	03/23/2005	14:37	NMI
2-Hexanone	10	U	ug/L	10	EPA 8260B	03/23/2005	9:52	03/23/2005	14:37	NMI
Acetone	10	U	ug/L	10	EPA 8260B	03/23/2005	9:52	03/23/2005	14:37	NMI
Methyl isobutyl ketone	10	U	ug/L	10	EPA 8260B	03/23/2005	9:52	03/23/2005	14:37	NMI
1,2-Dichloroethane-d4 (Surrogate)	101		%	60	EPA 8260B	03/23/2005	9:52	03/23/2005	14:37	NMI
Toluene-d8 (Surrogate)	101		%	70	EPA 8260B	03/23/2005	9:52	03/23/2005	14:37	NMI
1,1,1,2-Tetrachloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	14:37	NMI
1,1,1-Trichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	14:37	NMI
1,1,2,2-Tetrachloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	14:37	NMI
1,1,2-Trichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	14:37	NMI
1,1-Dichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	14:37	NMI
1,1-Dichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	14:37	NMI
1,1-Dichloropropene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	14:37	NMI
1,2,3-Trichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	14:37	NMI
1,2,3-Trichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	14:37	NMI
1,2,4-Trichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	14:37	NMI
1,2,4-Trimethylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	14:37	NMI
1,2-Dibromo-3-Chloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	14:37	NMI
1,2-Dibromoethane	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	14:37	NMI
1,2-Dichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	14:37	NMI
1,2-Dichloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	14:37	NMI
1,2-Dichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	14:37	NMI
1,3,5-Trimethylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	14:37	NMI
1,3-Dichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	14:37	NMI
1,3-Dichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	14:37	NMI
1,4-Dichlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	14:37	NMI

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ANALYSIS REPORT

Attention: JACKSON KIKER
ECC
TREATMENT PLANT SUP
13 GURNET RD PMB 289
BRUNSWICK ME 04011

Lab ID Number: AH02091
Project Number: NASB Old Navy Fuel Farm
P.O. Number: 5700
Date Collected: 03/14/2005 08:00 AM
DateReceived: 03/14/2005 04:20 PM
Date Reported: 03/28/2005

Sample Matrix: G-ATER
Sample Description: MW-NASB-TB11-13
Sample Type: QA/QC

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time		Analysis Date/Time		Analyst
2,2-Dichloropropane	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	14:37	NMI
2-Chlorotoluene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	14:37	NMI
2-Methoxy-2-Methylbutane (TAME)	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	14:37	NMI
4-Chlorotoluene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	14:37	NMI
4-Isopropyltoluene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	14:37	NMI
Bromobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	14:37	NMI
Bromochloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	14:37	NMI
Bromodichloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	14:37	NMI
Bromoform	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	14:37	NMI
Bromomethane	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	14:37	NMI
Carbon Disulfide	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	14:37	NMI
Carbon Tetrachloride	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	14:37	NMI
Chlorobenzene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	14:37	NMI
Chloroethane	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	14:37	NMI
Chloroform	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	14:37	NMI
Chloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	14:37	NMI
cis-1,2-Dichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	14:37	NMI
cis-1,3-Dichloropropene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	14:37	NMI
Dibromochloromethane	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	14:37	NMI
Dibromomethane	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	14:37	NMI
Dichlorodifluoromethane	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	14:37	NMI
Diethyl Ether	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	14:37	NMI
Diisopropyl ether (DIPE)	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	14:37	NMI
Ethyl-t-butyl-ether (ETBE)	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	14:37	NMI
Hexachlorobutadiene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	14:37	NMI
Isopropylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	14:37	NMI
Naphthalene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	14:37	NMI
n-Butylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	14:37	NMI
n-Propylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	14:37	NMI
sec-Butylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	14:37	NMI
Styrene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	14:37	NMI
tert-Butylbenzene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	14:37	NMI
Tetrachloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	14:37	NMI

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ANALYSIS REPORT

Attention: JACKSON KIKER
ECC
TREATMENT PLANT SUP
13 GURNET RD PMB 289
BRUNSWICK ME 04011

Lab ID Number: AH02091
Project Number: NASB Old Navy Fuel Farm
P.O. Number: 5700
Date Collected: 03/14/2005 08:00 AM
DateReceived: 03/14/2005 04:20 PM
Date Reported: 03/28/2005

Sample Matrix: G-ATER
Sample Description: MW-NASB-TB11-13
Sample Type: QA/QC

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time		Analysis Date/Time		Analyst
trans-1,2-Dichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	14:37	NMI
trans-1,3-Dichloropropene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	14:37	NMI
Trichloroethene	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	14:37	NMI
Trichlorofluoromethane	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	14:37	NMI
Vinyl Chloride	2.0	U	ug/L	2.0	EPA 8260B	03/23/2005	9:52	03/23/2005	14:37	NMI
tert-Butanol (TBA)	20	U	ug/L	20	EPA 8260B	03/23/2005	9:52	03/23/2005	14:37	NMI
Methylene Chloride	5.0	U	ug/L	5.0	EPA 8260B	03/23/2005	9:52	03/23/2005	14:37	NMI
Tetrahydrofuran	5.0	U	ug/L	5.0	EPA 8260B	03/23/2005	9:52	03/23/2005	14:37	NMI
4-Bromofluorobenzene (Surrogate)	97		%	70	EPA 8260B	03/23/2005	9:52	03/23/2005	14:37	NMI

** The "U" qualifier indicates the compound was analyzed for but not detected.*

Gasoline Range Organics Water

Benzene	1.0	U	ug/L	1.0	MEDEP 4.2.17	03/15/2005	13:49	03/15/2005	19:32	ECT
Ethyl benzene	1.0	U	ug/L	1.0	MEDEP 4.2.17	03/15/2005	13:49	03/15/2005	19:32	ECT
Toluene	1.0	U	ug/L	1.0	MEDEP 4.2.17	03/15/2005	13:49	03/15/2005	19:32	ECT
Total xylenes	1.0	U	ug/L	1.0	MEDEP 4.2.17	03/15/2005	13:49	03/15/2005	19:32	ECT
GROAQ	10	U	ug/L	10.0	MEDEP 4.2.17	03/15/2005	13:49	03/15/2005	19:32	ECT
4-Bromofluorobenzene (Surrogate)	102		%	60	MEDEP 4.2.17	03/15/2005	13:49	03/15/2005	19:32	ECT
MTBE (Methyl-t-Butyl Ether)	2.0	U	ug/L	2.0	MEDEP 4.2.17	03/15/2005	13:49	03/15/2005	19:32	ECT

** The "U" qualifier indicates the compound was analyzed for but not detected.*

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ANALYSIS REPORT

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BRUNSWICK ME 04011

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Project Number: NASB Old Navy Fuel Farm
P.O. Number: 5700
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Date Reported: 03/28/2005

Sample Matrix: G-ATER
Sample Description: MW-NASB-TB11-13
Sample Type: QA/QC

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time	Analysis Date/Time	Analyst

Comments:

Please see the specific analysis comment(s) above.

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Results meet the requirements of the NELAC standards unless otherwise noted above.

Reviewed By: Kelly A. Perkins **Review Date:** 03/28/2005
Kelly Perkins, Lab Manager

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TO: ECC

DATE SAMPLED:	03/14/2005	LABORATORY NUMBER:	AH02091
DATE RECEIVED:	03/14/2005	SAMPLE MATRIX:	G-ATER
DATE ANALYZED:	03/15/2005	ANALYST:	ECT
DATE REPORTED:	03/28/2005	SDG #:	ECC031405

SAMPLE DESCRIPTION: MW-NASB-TB11-13

GASOLINE RANGE ORGANICS (GRO)

NEL Sample #	Client Identification	GRO Results ug/L (ppb)	Qualifier	MTBE & BTEX ug/L (ppb)*	Qualifier	Reporting Limit	Surrogate Recovery 4-BFB**
AH02091	MW-NASB-TB11-13	10	U	MTBE:2.0	U	2	102%
				Benzene:1.0	U	1	
				Toluene:1.0	U	1	
				EthylBenzene:1.0	U	1	
				TotalXylenes:1.0	U	1	

The "U" qualifier indicates the compound was analyzed for but not detected.

Results meet the requirements of the NELAC standards

* Identification of MTBE and the BTEX compounds is based on retention times on the primary column. Identity has not been confirmed. Because of the possibility of co-eluting compounds, these quantitations may be higher than the actual concentration. For a more accurate or EPA approved quantitation of these compounds request Method 8260.

**4-Bromofluorobenzene is added to the sample as a means of assessing the validity of the analysis.

NOTE: See attached method information.

Analysis was conducted according to Maine method 4.2.17, "Method for Determining Gasoline Range Organics".

Reviewed By: Kelly A. Perkins Date: 3/29/2005
Kelly Perkins, Lab Manager

AIR TOXICS LTD.

SAMPLE NAME: AH02089

ID#: 0503293-01A

MODIFIED METHOD VSK-175 GC/FID

File Name:	7032104	Date of Collection:	3/14/05
Dil. Factor:	1.00	Date of Analysis:	3/21/05 06:38 PM

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.0050	1.0

Container Type: VOA Vial-40 mL

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AIR TOXICS LTD.

SAMPLE NAME: AH02089 Duplicate

ID#: 0503293-01AA

MODIFIED METHOD VSK-175 GC/FID

File Name:	**7032105**	**Date of Collection:**	**3/14/05**
Dil. Factor:	**1.00**	**Date of Analysis:**	**3/21/05 06:59 PM**

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.0050	1.1

Container Type: VOA Vial-40 mL

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AIR TOXICS LTD.

SAMPLE NAME: AH02090

ID#: 0503293-02A

MODIFIED METHOD VSK-175 GC/FID

File Name:	**7032106**	**Date of Collection:**	**3/14/05**
Dil. Factor:	**1.00**	**Date of Analysis:**	**3/21/05 07:21 PM**

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.0050	Not Detected

Container Type: VOA Vial-40 mL

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AIR TOXICS LTD.

SAMPLE NAME: AH02091

ID#: 0503293-03A

MODIFIED METHOD VSK-175 GC/FID

File Name:	**7032107**	**Date of Collection:**	**3/14/05**
Dil. Factor:	**1.00**	**Date of Analysis:**	**3/21/05 07:42 PM**

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.0050	Not Detected

Container Type: VOA Vial-40 mL

 12-9

AIR TOXICS LTD.

SAMPLE NAME: AH02068

ID#: 0503293-04A

MODIFIED METHOD VSK-175 GC/FID

File Name:	**7032108**	**Date of Collection:**	**3/14/05**
Dil. Factor:	**1.00**	**Date of Analysis:**	**3/21/05 08:03 PM**

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.0050	0.16

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: AH02068 MS

ID#: 0503293-04AMS

MODIFIED METHOD VSK-175 GC/FID

File Name:	**7032109**	**Date of Collection:**	**3/14/05**
Dil. Factor:	**1.00**	**Date of Analysis:**	**3/21/05 08:25 PM**

Compound	%Recovery
Methane	116

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: AH02068 MSD

ID#: 0503293-04AMSD

MODIFIED METHOD VSK-175 GC/FID

File Name:	7032110	Date of Collection:	3/14/05
Dil. Factor:	1.00	Date of Analysis:	3/21/05 08:46 PM

Compound	%Recovery
Methane	109

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: AH02069

ID#: 0503293-05A

MODIFIED METHOD VSK-175 GC/FID

File Name:	**7032111**	**Date of Collection:**	**3/14/05**
Dil. Factor:	**1.00**	**Date of Analysis:**	**3/21/05 09:07 PM**

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.0050	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: AH02070

ID#: 0503293-06A

MODIFIED METHOD VSK-175 GC/FID

File Name:	**7032112**	**Date of Collection:**	**3/14/05**
Dil. Factor:	**1.00**	**Date of Analysis:**	**3/21/05 09:29 PM**

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.0050	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: AH02071

ID#: 0503293-07A

MODIFIED METHOD VSK-175 GC/FID

File Name:	7032113	**Date of Collection:**	3/14/05
Dil. Factor:	1.00	**Date of Analysis:**	3/21/05 09:51 PM

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.0050	0.21

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: AH02072

ID#: 0503293-08A

MODIFIED METHOD VSK-175 GC/FID

File Name:	**7032114**	**Date of Collection:**	**3/14/05**
Dil. Factor:	**1.00**	**Date of Analysis:**	**3/21/05 10:12 PM**

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.0050	Not Detected

Container Type: VOA Vial-40 mL

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DATA VALIDATION MEMORANDUM

NAS BRUNSWICK SITE OLD NAVY FUEL FARM
SAMPLE DATA GROUP ONFFA

OCTOBER 2005 SAMPLING ROUND 11

TO: ENGINEERING FACILITY COMMAND NORTHEAST

FROM: JACKSON KIKER, ECC SENIOR CHEMIST, MARLBOROUGH, MA

SUBJECT: NAS BRUNSWICK SITE OLD NAVY FUEL FARM MONITORING EVENT 11

DATE: DECEMBER 6, 2005

Project data were validated using the following Validation Functional Guidelines, as modified for non-CLP methods and project-specific QAPP measurement performance criteria (MPC):

1. Region I, EPA-NE Data Validation Functional Guidelines for Evaluation of Environmental Analyses (Dec, 1996),

2. National Functional Guidelines for Evaluation Inorganic Analysis (1988), and

3. National Functional Guidelines for Evaluation Organic Analysis (October 1999).

The data were assessed against the MPC listed in the approved Site 1& 3 and Eastern Plume LTMP QAPP (May 2000). The QAPP MPC and validation guideline exceedences are assessed and documented on the method/QAPP specific data validation worksheets. On these data validation worksheets the data quality acceptance criteria are presented, analytes requiring qualification based on MPC and/or validation guidance criteria exceedences are listed, assigned qualifiers, qualifying rationale is documented, and any potential bias noted. The overall evaluation of the data generated by a method is presented in the data validation worksheet.

Standard EPA Region I data qualifiers are used to denote the assessment of data quality. The final and ranking assigned data qualifier for an analyte is presented in the data summary table. Ancillary qualifiers are noted on the data validation worksheets.

The USEPA Region I Organic Regional Data Assessment (ORDA) sheet displays the summarized results of the data validation assessment for all analytical methods reported in the SDG.

ACRONYMS AND ABBREVIATIONS

Following is a list of acronyms and abbreviations that may be used in the data validation reports.

Acronym or Abbreviation	Definition
%D	Percent difference
%R	Percent recovery
%M	Percent moisture
%S	Percent solids
Ug/L	Microgram per liter
BD	Breakdown
BEHP	2-bis(ethylhexyl)phthalate
BFB	Bromofluorobenzene
CCB	Continuing calibration Blank
CCC	Continuing Check Compound
CCV	Continuing Calibration Verfication
COC	Chain of custody
CRI	standard at RL for ICP
CVAA	Cold vapor atomic absorption
DFTPP	Decafluorotriphenylphosphine
DQO	Data quality objective
EB	Equipment blank
EPA	Environmental Protection Agency
FD	Field duplicate
GC	Gas Chromatography
GC/MS	Gas chromatography/mass spectrometry
HT	Holding time
ICAL	Initial calibration
ICS-A/AB	Interelement check standard A or AB
ICV	Initial calibration verification
IDL	Instrument detection limit
IS	Internal standards
LCL	Lower control limit
LCS	Laboratory control sample
LTMP	Long term monitoring plan
MeCl	Methylene chloride
MS	Matrix spike

Acronym or Abbreviation	Definition
MSD	Matrix spike duplicate
MPC	Measurement performance criteria
NA	Not applicable
NC	Not calculated.
PAH	Polycyclic aromatic hydrocarbon
PCB	Polychlorinated biphenyls
PQL	Practical quantitation limit
QAPP	Quality Assurance Project Plan
QC	Quality control
RF	Response Factor
RPD	Relative percent difference
RRF	Relative response factor
RSD	Relative standard deviation
RT	Retention time
SDG	Sample Delivery Group
SOP	Standard Operation Procedure
SVOC	Semi-volatile organic compound
SPCC	System performance check compound
SQL	Sample Quantitation Limit
TB	Tripblank
TCX	Tetrachloro-m-xylene
TIC	Tentatively identified compound
UCL	Upper control limit
VOC	Volatile organic compound

DATA QUALIFIER REFERENCE TABLE

Data validation reports will summarize the samples reviewed, elements reviewed, any nonconformances with the established criteria, validation actions (including data qualifiers). Data qualifiers will be consistent with EPA Region I – New England guidelines and will consist of the following:

USEPA Region I – Data Qualifier	USEPA Region I – Qualifier Definition
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample
UJ	The analyte was not detected above the sample reporting limit; and the reporting limit is approximate
U	The sample was analyzed for, but was not detected above the sample reporting limit.
R	The sample result is rejected due to serious deficiencies. The presence or absence of the analyte cannot be verified

Region I, EPA-NE ORGANIC REGIONAL DATA ASSESSMENT

LAB NAME: NorthEast Laboratory
SDG #:__ONFFA
EPA-NE DV TIER LEVEL:___II___
SITE NAME: NAS Brunswick – Site Old Navy Fuel Farm

# of SAMPLES: VOC–1 GW & 1 TB.
VALIDATION CONTRACTOR:__ECC
VALIDATOR'S NAME: Jackson Kiker
DV Completion Date:_5 Dec, 2005
Date Sampled: March 3 October 2005.

ANALYTICAL DATA QUALITY SUMMARY

		VOC	GRO	DRO	Methane (MNA)
1	Preservation and HT	O	O	O	O
2	Instrument Performance Check	O	O	O	O
3	Initial Calibration:	O	O	O	O
4	Continuing Calibration:	O	O	O	O
5	Blanks:	O	O	O	O
6	Surrogate Compounds:	O	O	O	O
7	Internal Standards	O	-	-	O
8	Matrix Spike/Matrix Spike Duplicate:	O	O	O	-
9	Sensitivity Check:	O	O	O	O
10	PE Samples- Accuracy Check	O	O	O	O
11	Target Compound Identification:	O	O	O	O
12	Compound Quantitation and Reported QLs	O	O	O	O
13	Tentatively Identified Compounds:	-	-	-	-
14	Semivolatile/Pesticide/PCB Cleanup:	-	-	-	-
15	Data Completeness	O	O	O	O
16	Overall Evaluation of Data:	O	O	O	O

O = Data had no problems or were qualified due to minor contractual problems; M = Data were qualified due to major/systemic MPC exceedences: Z = Data were rejected as unusable due to major contractual problems.

ACTION ITEMS: (Z items):

AREAS OF CONCERN: (M items):
Methane (MNA): MS/MSD not analyzed with this SDG.

COMMENTS: Tier I validation was performed for Alkalinity, TOC, Ferrous, Nitrate and Sulfate analyses.

Data Summary Table
SDG BNASONFFA

Sample Name	Lab ID	Sample Date	Analytical Method	Analyte	Result	Validator Qualifier	Units	Detect Y/ N	MRL	Dilution Factor
ONFF-QT1	AH11707	10/03/2005	EPA 8260B	Benzene	1.0	U	ug/L	N	1.0	1
ONFF-QT1	AH11707	10/03/2005	EPA 8260B	Ethylbenzene	1.0	U	ug/L	N	1.0	1
ONFF-QT1	AH11707	10/03/2005	EPA 8260B	m,p-Xylene	1.0	U	ug/L	N	1.0	1
ONFF-QT1	AH11707	10/03/2005	EPA 8260B	MTBE (Methyl-t-Butyl Ether)	1.0	U	ug/L	N	1.0	1
ONFF-QT1	AH11707	10/03/2005	EPA 8260B	o-Xylene	1.0	U	ug/L	N	1.0	1
ONFF-QT1	AH11707	10/03/2005	EPA 8260B	Toluene	1.0	U	ug/L	N	1.0	1
ONFF-QT1	AH11707	10/03/2005	MEDEP 4.2.17	Benzene	1.0	U	ug/L	N	1.0	1
ONFF-QT1	AH11707	10/03/2005	MEDEP 4.2.17	Ethyl benzene	1.0	U	ug/L	N	1.0	1
ONFF-QT1	AH11707	10/03/2005	MEDEP 4.2.17	GROAQ	10	U	ug/L	N	10.0	1
ONFF-QT1	AH11707	10/03/2005	MEDEP 4.2.17	MTBE (Methyl-t-Butyl Ether)	2.0	U	ug/L	N	2.0	1
ONFF-QT1	AH11707	10/03/2005	MEDEP 4.2.17	Toluene	1.0	U	ug/L	N	1.0	1
ONFF-QT1	AH11707	10/03/2005	MEDEP 4.2.17	Total xylenes	1.0	U	ug/L	N	1.0	1
MW-NASB-702	AH11708	10/03/2005	EPA 300	Sulfate	18		mg/L	Y	1.0	1
MW-NASB-702	AH11708	10/03/2005	EPA 310.1	Alkalinity	38		mg/L	Y	5.0	1
MW-NASB-702	AH11708	10/03/2005	EPA 353.2	Nitrate-N	0.22		mg/L	Y	0.1	1
MW-NASB-702	AH11708	10/03/2005	EPA 415.1	Total Organic Carbon	22		mg/L	Y	1	1
MW-NASB-702	AH11708	10/03/2005	EPA 8260B	Benzene	1.0	U	ug/L	N	1.0	1
MW-NASB-702	AH11708	10/03/2005	EPA 8260B	Ethylbenzene	1.0	U	ug/L	N	1.0	1
MW-NASB-702	AH11708	10/03/2005	EPA 8260B	m,p-Xylene	1.0	U	ug/L	N	1.0	1
MW-NASB-702	AH11708	10/03/2005	EPA 8260B	MTBE (Methyl-t-Butyl Ether)	1.0	U	ug/L	N	1.0	1
MW-NASB-702	AH11708	10/03/2005	EPA 8260B	o-Xylene	1.0	U	ug/L	N	1.0	1
MW-NASB-702	AH11708	10/03/2005	EPA 8260B	Toluene	1.0	U	ug/L	N	1.0	1
MW-NASB-702	AH11708	10/03/2005	MEDEP 4.1.25	Diesel Range Organics	1500	J	ug/L	Y	50	5
MW-NASB-702	AH11708	10/03/2005	MEDEP 4.2.17	Benzene	1.0	U	ug/L	N	1.0	1
MW-NASB-702	AH11708	10/03/2005	MEDEP 4.2.17	Ethyl benzene	1.0	U	ug/L	N	1.0	1
MW-NASB-702	AH11708	10/03/2005	MEDEP 4.2.17	GROAQ	34		ug/L	Y	10.0	1
MW-NASB-702	AH11708	10/03/2005	MEDEP 4.2.17	MTBE (Methyl-t-Butyl Ether)	2.0	U	ug/L	N	2.0	1
MW-NASB-702	AH11708	10/03/2005	MEDEP 4.2.17	Toluene	1.0	U	ug/L	N	1.0	1
MW-NASB-702	AH11708	10/03/2005	MEDEP 4.2.17	Total xylenes	1.0	U	ug/L	N	1.0	1
MW-NASB-702	AH11708	10/03/2005	SM 3500 Fe D	Ferrous Iron	550		ug/L	Y	25.0	1

Data Summary Table
SDG ONFFA/0510114

Sample Name	Lab ID	Sample Type	Analyte	Result	Detect Y/N	Validator Q	MDL	MRL	Units
MW-NASB-702 (AH11708)	0510114-01A	N	Methane	0.19	Y		0.0029	0.010	uG/mL
MW-NASB-702 (AH11708)	0510114-01A	N	Ethane	0.010	N	U	0.0024	0.010	uG/mL
MW-NASB-702 (AH11708)	0510114-01A	N	Ethene	0.010	N	U	0.0023	0.010	uG/mL
MW-703 (AH11799)	0510114-03A	N	Methane	0.010	N	U	0.0029	0.010	uG/mL
MW-703 (AH11799)	0510114-03A	N	Ethane	0.010	N	U	0.0024	0.010	uG/mL
MW-703 (AH11799)	0510114-03A	N	Ethene	0.010	N	U	0.0023	0.010	uG/mL
MW-701 (AH11800)	0510114-04A	N	Methane	0.79	Y		0.0029	0.010	uG/mL
MW-701 (AH11800)	0510114-04A	N	Ethane	0.010	N	U	0.0024	0.010	uG/mL
MW-701 (AH11800)	0510114-04A	N	Ethene	0.010	N	U	0.0023	0.010	uG/mL
MW-NASB-DUP 1 (AH11801)	0510114-05A	FD	Methane	0.010	N	U	0.0029	0.010	uG/mL
MW-NASB-DUP 1 (AH11801)	0510114-05A	FD	Ethane	0.010	N	U	0.0024	0.010	uG/mL
MW-NASB-DUP 1 (AH11801)	0510114-05A	FD	Ethene	0.010	N	U	0.0023	0.010	uG/mL
ONFF-QT-2 (AH11802) (Trip Blan	0510114-06A	TB	Methane	0.010	N	U	0.0029	0.010	uG/mL
ONFF-QT-2 (AH11802) (Trip Blan	0510114-06A	TB	Ethane	0.010	N	U	0.0024	0.010	uG/mL
ONFF-QT-2 (AH11802) (Trip Blan	0510114-06A	TB	Ethene	0.010	N	U	0.0023	0.010	uG/mL
MW-NASB-051 (AH11803)	0510114-07A	N	Methane	0.058	Y		0.0029	0.010	uG/mL
MW-NASB-051 (AH11803)	0510114-07A	N	Ethane	0.010	N	U	0.0024	0.010	uG/mL
MW-NASB-051 (AH11803)	0510114-07A	N	Ethene	0.010	N	U	0.0023	0.010	uG/mL

ECC Region I Data Review Worksheet (rv 3)
Project: NAS Brunswick ONFF ECC Job No. 5700

5030/VSK-175 (Region I Methane SOP)
Review Criteria: Region I-Tier II
Guidance and VSK-175 SOP (EPA 2001)

Data Validation Level	Matrix	Preservation	Temp Sample Receipt	Laboratory	SDG Number
Tier II	Aqueous	HCl	1 cooler – Temp 3.0 °C.	Sub-contracted by NE Labs to Air Toxics Ltd.	Air Toxics # 0510114 NEL SDG ONFFA and ONFFB

Field Identification and Laboratory Number of Samples Evaluated:

Field ID and Corresponding NEL ID		ATL Sample Number
MW-NASB-702	(AH11708)	0510114-01A
MW-703	(AH11799)	0510114-03A
MW-701	(AH11800)	0510114-04A
MW-NASB-DUP 1	(AH11801)	0510114-05A
ONFF-QT-2	(AH11802) (Trip BlanK)	0510114-06A
MW-NASB-051	(AH11803)	0510114-07A

Note: The field ID column lists the field sample name, and the NEL Lab ID in (paranthesis).
Note: Samples are described below in the data worksheets by reference to the last two digits of the Lab Sample Number.

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED/Rationale	Inventory	QUAL	BIAS
COC	1)Unbroken custody (accept or if broken R) 2) Temp≤6° 3) Unpreserved if analyzed for CO_2 4) No headspace	Cooler temperatures < 6 °C. Sample temperature preservation adequate. Sample custody transferred from Field Team Leader to lab sample courier. Samples shipped by FedEx to the sub-contact lab. Samples Unbroken Chain of Custody. No samples qualified.	X	-	
Holding Time	1) 14 Days to analysis, 2) J –detects, UJ or R –nondetects (function of time) 3) *transcription errors	All samples analyzed within holding time. No samples qualified.	X	-	
% Solids Check (SOLIDS)	30%<Solids: if no sample weight adjustment made. 1) <10% R entire sample 2) 10%.> and <30%; J-detects, NDs -R	Not applicable	-	-	
Lab Blanks (method blanks)	1) TGT analytes <Lab QL 2) if linear range is exceeded, verify if a instrument blank was performed 3) *verify accurate transcription of times, Ids, are reported on forms 4) *verify from the raw data if the instrument blank was performed in the same vessel 5) *verify IS, RRT, and surrogate %R *check 10% of raw chromatograms for false +/-, check for transcription errors	Lab blank is non-detect for methane. No samples qualified.	X		
Trip Blank	1) <MRL 2) TGT analytes <Lab QL (contact lab) -for soils indicate cross matrix TB (X rules apply to raw data) 4) MeCl & Acetone < 5 5) >RL report sample level U <RL report PQL as U	ONFF-QT-2 (AH11802) (Trip BlanK). Tripblank was non-detect for all VOCs. No samples qualified. No apparent cross contamination	X	-	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED/Rationale	Inven-tory	QUAL	BIAS
Equip Blank	1) < 5x (<10x common) contaminants for aq samples- 2) TGT analytes <Lab QL (contact lab) -for soils indicate TB (X rules don't apply) 3) MeCl & Acetone < 5 *Check IS area (10% of them) * recalculate surrogate (%R – 10 % of them)	Not collected/analyzed with this SDG	-	-	
Results > Cal Range or <Cal Range	6) >Upper Cal Range J-detects - ensure instrument blank performed 7) <PQL but >MDL – J –detects (estimated) listed on data summary sheet.	All detects are greater than the MRL No samples qualified.	-	-	
LCS/ Lab Fortified Blank Recovery	1) 80-120% 2) Optional if an MS and MSD analyzed. 3) Should be analyzed if insufficient volume for an MS. 4) 10% and <LCL% J detects, UJ –Nods 5) >UCL% J detects <10% R NDs, J-detects 6) *Recalculate the concentrations for one compound in the LCS 7) * Recalucate the %R (within 10% of lab) Note: Tier guidance as a zero blind	LCS %R was within MPC limits. No samples qualified.	X	-	
MS/MSD Recovery	1) 80-120% for all VOCs (if MS > 4X native levels) Qualification of MS sample: <10% J detects, R NDs >10% and <LCL% J detects, UJ -NDs >UCL% J detects 3) *Recalculate the concentrations for one compound in the MS/MSD * Recalucate the %R (within 10% of lab)	MS/MSD not analyzed in samples associated with this SDG.	-	-	
MS/MSD RPD	RPD =25% (aq) (when MS >QL) J –detects in MS field sample UJ-non detects * recalculate RPD	MS/MSD not analyzed in samples associated with this SDG.	-	-	
Lab Duplicate	Laboratory duplicate is performed if a FD is not analyzed.. Laboratory duplicate MPC <25% RPD	Not analyzed.	-	-	
Field Dup RPD	1) RPD = 30% aq. soil for Results > PQL (FD pair only) J-detects (both > PQL) 2) Note Method requires FD1 and FD2. For this project FD1 or FD2 will be a field sample. 3) If one >PQL, other ND, J-detections, UJ non-detect 4) Other conditions use judgement 5) Determine RPD for detects only. *Recalculate the concentrations for one compound and the PQL	Field duplicate sample MW-NASB-DUP1 analyzed for native sample MW-703. All VOCs in the FD pair are non-detect. Overall sampling and analysis precision is acceptable.	X	-	
*MDL Study	1) methane <0.05 mg/L 2) Ethane < 0.005 mg/L 3) Ethane <0.005 mg/L 4) *In accordance with 40CFR – seven replicates %RSD < 20% 5) * IS and retention times within method requirements	NA	-	-	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED/Rationale	Inven-tory	QUAL	BIAS
	6) * performed annually 7) *MDL is at least ½ of PQL 8) *tgt and surrogate 80-120% R *VOA/SV-X11 (recalcuate %RSD and %R for three compounds (10% of them).				
Sensitivity	1) MDL study – 7 replicates (40 CFR) 2) Surrogates %in control limits. 1) %R <10 ND- (R) , J- detects 2) 10%> but <LCL% , judgement 3) %R>UCL% J-detects 6) QC, IS, RRT meet criteria, 7) %RSD < 20% 8) MDL< MQL (3x less ideal) 9) Lab fortitied blank (see VOA/SV Part II –section X). 10) *Check and recalculate %RSDs and %R for three compounds (with 10% of lab) Dilution factors for samples – impacts to sensitivity	The RDL was 10 ug/L, which is less than the required RL for the analytical method. No project action limits were specified for these parameters. 1 ug/L was established as a monitored natural attenuation parameter for these VOCs. The MDL is 2.9 ug/L and the MRL is 5 ug/L. Sensitivity is qualitatively adequate. No sample qualifications.	X	-	
*Compound Quantitation (completed as part of other steps)	1) Check sensitivy (MDL< 1/3 PQL) 2) *Recalculate one detection and quantitation limit 3) *verify concentrations have been adjusted to account for DW, DF, 4) *verifiy correct IS and RRF were used	NA	-	-	
*System Performance	1)* evaluate PES, MS//MSD, cal STDs, MDS study, and surrogates for systemic bias – high or low and access system accuracy 8) *Matrix effects- MS/MSD, surrogated, PDS. 9) *System chromatography- evaluate RRTs, peaks shapes, system impacts on data, baseline shifts. 10) *overall system contamination-review all blanks for systemic or sporadic contamination	NA	-	-	
*TGT Compound Identification	1) *Within 0.06 (30 sec) of CCV RRT 2) * compare sample Mass spectra to standard spectra; a) all ions in std spectra (with 10% rel intensity) presnent in sample spectra. B) sample ion abundance within 20% of standard spectra. 3) *chromatogram: all peaks greater than 10% of nearest IS identified.	NA	-	-	
Initial Cal Multipoint (instrument evaluation)	1) correct calibration stds GC/FID method 2) COD>0.995 3) Lowest gas standard S/N ratio <5 4) These VOCs fall under the *RRF exclusions of Section (IV-8) Tier II guidance* as these VOCs have poor purge efficiency which is acknowledged in the method. 5) RF for ethane and ethane within 25% 6) RF for methane within 25% of 1/2 of the ethane/ethane average RF.	Instrument ID: gc7 Date: 11 April, 2003. %RSD within MPC limits. No sample qualifications.	X	-	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED/Rationale	Inven-tory	QUAL	BIAS
2nd Source ICV	The ICV is optional per the method %D<25% %R used to evaluate ICV; 70-130% Qualification: J detects, R or UJ NDs	Instrument ID: gc7 Date: 11 April, 2003. %R within MPC limits. No sample qualifications.	X	-	
CCV	1) %D<20% 2) every 4 hours or 25 samples and at the end of the sample batch. 3) Qualification-J detects, R or UJ NDs 4) *verify same instrument and parameters 5) *Recalculate RRF for one tgt cmpd associated with each IS. (within 10%) 6) *Recalculate %D for one tgt cmpd associated with each IS (within 10%) 7) *IS RRT<0.06 units (30 sec) 8) * IS area -50 % to 100 % of last ICAL 9) *option-review preparation logs to ensure cal stds are traceable to NIST stds. 10) *option-recalculate cal std concentration of one std. Must agree within 10% of lab (option if information is in data package)	Instrument ID: gc7 %D within MPC limits. No sample qualifications.	X	-	
Overall Evaluation of Data	1) Appropriate method 2) Evaluate any analytical problems 3) Evaluate sampling errors – field contamination, sample hold times	Laboratory Error Evaluation: Laboratory precision and accuracy are acceptable. Samples are usable for project decisions. MS/MSD not evaluated with this SDG. ICAL: within MPC limits. ICV: within MPC limits. CCV: within MPC limits. Sampling Error Evaluation: Trip blank was non-detect for VOCs. Field duplicate sample MW-NASB-DUP1 analyzed for native sample MW-703. All VOCs in the FD pair are non-detect. Overall sampling and analysis precision is acceptable	X	-	

* Tier III review items only.

Completeness Check: Inventory Check Sheet____X__. Sample Quantitation Calculations (TIER III only):

Laboratory Correspondence: None.

ECC Region I Data Review Worksheet (rv 2)
Project: NAS Brunswick ONFF ECC Job No. 5700

MEDEP 4.2.17 – Gasoline Range Organics Review Criteria: ONFF GWM Plan & Region I Tier II Guidance

Data Validation Level	Matrix	Preservation	Temperature Sample Receipt	Laboratory	SDG Number
Tier II	Aqueous	HCl	1 cooler – Temp (°C): 5.0	Northeast Laboratory Waterville, ME	Lab SDG# ONFFA

Field Identification of Samples Evaluated:

Field ID	Lab Sample Number
ONFF-QT1	AH11707
MW-NASB-702	AH11708

Note: Samples are described below in the data worksheets by reference to the Lab Sample Number.

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED Narrative (samples listed on attached sheets)	Inve n-tory	QUAL	BIAS
COC, Sample Delivery Group Form.	1)Unbroken custody (accept or if broken R) 2) Temp≤6° (Soil-J detects, R -nondetects preserved per method (amber bottles, temperature, HCl (aq), MeOH/NAHSO4 (soils) (J, UJ, or R (function of HT and compound)	Cooler temperatures < 6 °C in the coolers. Sample preservation using ice adequate. Sample custody transferred from Field Team Leader to lab sample courier in person. Unbroken Chain of Custody. No samples qualified.	X	-	
Holding Time	1) 14 days for analysis (extract 40 days) 2) J –detects, UJ or R –nondetects (function of time)	Collection Dates: March 8, 9 & 14. Analyzed by: March 15th, 2005. All samples prepared/analyzed within holding times. No samples qualified.	X	-	
% Solids Check (SOLIDS)	30%<Solids: if no sample weight adjustment made (no USACE) 1) <10% R entire sample 2) 10%.> and <30%; J-detects, NDs -R	Not applicable	-	-	
Results > Cal Range or <Cal Range	1) >Upper Cal Range J-detects - ensure instrument blank performed 2) <PQL but >MDL – J –detects (estimated)	All detected data greater than the MRL. No samples qualified.	X	-	
TICs (if reported)	1) *verify library search for samples and blanks 2) verify TICs were not misreported compounds (different fraction or miss in search) 3) All TICs – J estimated 4) * verify blanks do not contain TIC peaks 5) * check TIC assignment spectra to STD spectra 6) *review blank and Samples for common lab contaminants	None Reported	X	-	
Equip Blank	< 5x (<10x common) contaminants for aq samples – for soil indicate EB (X rules don't apply)	Equipment blank – not collected/analyzed as part of this SDG	-	-	
Surrogates	Within historical laboratory limits 4-BFB – 60% to 140%. Qualification: >UCL J –detects, %R<10% J –detects, R –NDs, %R >10% but <LCL% J-detects, UJ NDs	All surrogate recoveries within MPC limits. No samples qualified.	X	-	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED Narrative (samples listed on attached sheets)	Inve n-tory	QUAL	BIAS
Lab Blanks (method blanks)	1) < 5x (<10x common) contaminants – U 2) analytes <lab PQL (contract lab) no phthalates >5X QL (QAPP)	Method blanks were non-detects for GRO's. No sample qualifications.	X	-	
Trip Blank	1) < 5x (<10x common) contaminants for aq samples- 2) TGT analytes <Lab QL (contact lab) -for soils indicate cross matrix TB (X rules apply to raw data) 3) MeCl & Acetone < 5 4) >RL report sample level U 5) <RL report PQL as U	Tripblank was non-detect for all compounds. TB is sample AH11707 .	X	-	
LCS Recovery	1) Within historical laboratory limits -60% to 140% 10% and <LCL% J detects, UJ –NDs >UCL% J detects <10% R NDs, J-detects	All LCS recoveries within MPC limits. No samples qualified.	X	-	
MS/MSD Recovery	1) Within historical laboratory limits (QAPP) (if MS > 4X native levels) Qualification of MS sample: <10% J detects, R NDs >10% and <70% J detects, UJ -NDs >130% J detects	MS/MSD sample; AH11708 MS %R within MPC. No apparent matrix bias.	-	-	
MS/MSD RPD	1) MS/MSD RPD<20%	MS/MSD RPD within MPC. Laboratory precision is acceptable.	X	-	
Cleanup Performance Check (if performed)	%R< 10% NDs-R detections J %R>10% <LCL (80%GPC) –detections J, NDs UJ %R>UCL (120%) – detections J Retention Time shift <5%, symmetrical peakshape. GPC check with interferants. Good surrogate recovery, GPC blank check – no carryover.(VOA/SV-IX-I6). Sulfur and High MW compounds removed. Symetrical peaks for all compounds,	NA	-	-	
LCS/LCSD RPD	RPD =30% aq, <50% (S) J –detects in MS sample UJ-non detects	LCS-LCSD analyzed - RPD within MPC limits. No samples qualified. Labortory precision is acceptable	X	-	
Field Dup RPD	1) RPD = 100% water; = 100% soil for Results > PQL (FD pair only) J-detects (both > PQL) 2) If one > PQL, other ND, J-detections, UJ non-detect Other conditions use judgement	No field duplicate analyzed with this SDG.	-	-	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED Narrative (samples listed on attached sheets)	Inve n-tory	QUAL	BIAS
Initial Cal (Linearity)	Correct calibration stds Calibration curve based upon linear regression. Cod>0.99 Or Average RF with the %RSD<20%	Instrument: GRO1 Date: October 22, 2004. COD > 0.99. No samples qualified based on ICAL.	X	-	
2nd Source ICV	%R (between ICV and Ical) analytes 80%--120% (USACE) %D ≤ 25%, (+ or -) once per 5 pt cal Qualification: J detects, R or UJ NDs	Instrument: GRO1 Date: October 22, 2004. %D within MPC limits. No samples qualified.	X		
CCV	Analyzed daily with samples. %D<20%	Instrument: GRO1 %D within MPC limits for GRO. No samples qualified.	X	-	
Compound Quantitation	1) Check sensitivity (MDL< 1/3 PQL or per QAPP)	RL requirements were met, no sample qualifications.	X	-	
Overall Evaluation of Data	1) Appropriate method 2) Evaluate any analytical problems 3) Evaluate sampling errors – field contamination, sample hold times	Laboratory Error Evaluation: The laboratory accuracy and precision are acceptable and no apparent sample bias. Results are usable for making project decisions. Method blank – non-detect for GRO's. LCS/LCSD analyzed – RPD within MPC limits.. LCS %R within MPC limits. ICAL; linear. ICV: confirms ICAL. CCV: within MPC limits. Sampling Error Evaluation: Tripblank was non-detect for VOCs. No apparent cross contamination	X	-	

*Tier III criteria.

Completeness Check: Inventory Check Sheet_____X__ Sample Quantitation Calculations (TIER III ONLY):

ECC Region I Data Review Worksheet (rv 2) **MEDEP 4.2.25 – Diesel Range Organics**
Project: NAS Brunswick ONFF ECC Job No. 5700 **Review Criteria: ONFF GWM Plan & Region I Tier II Guidance**

Data Validation Level	Matrix	Preservation	Temperature Sample Receipt	Laboratory	SDG Number
Tier II	Aqueous	HCl	1 cooler – Temp (°C): 5.0	Northeast Laboratory Waterville, ME	Lab SDG# ONFFA

Field Identification of Samples Evaluated:

Field ID	Lab Sample Number
MW-NASB-702	AH11708

Note: Samples are described below in the data worksheets by reference to the Lab Sample Number.

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED Narrative (samples listed on attached sheets)	Inve n-tory	QUAL	BIAS
COC, Sample Delivery Group Form.	1)Unbroken custody (accept or if broken R) 2) Temp≤6° (Soil-J detects, R -nondetects preserved per method (amber bottles, temperature, HCl (aq), MeOH/NAHSO4 (soils) (J, UJ, or R (function of HT and compound)	Cooler temperatures < 6 °C in the coolers. Sample preservation using ice adequate. Sample custody transferred from Field Team Leader to lab sample courier in person. Unbroken Chain of Custody. No samples qualified.	X	-	
Holding Time	1) 7 Days aqueous – 14 days soil (extract 40 days) 2) J –detects, UJ or R –nondetects (function of time)	All samples extracted and analyzed within required holding times. No sample qualifications.	X	-	
% Solids Check (SOLIDS)	30%<Solids: if no sample weight adjustment made (no USACE) 1) <10% R entire sample 2) 10%.> and <30%; J-detects, NDs -R	Not applicable	-	-	
Results > Cal Range or <Cal Range	1) >Upper Cal Range J-detects - ensure instrument blank performed 2) <PQL but >MDL – J –detects (estimated)	Data reported between the M DL and the MRL qualified as estimated (J). No such results.	-	-	
TICs (if reported)	1) *verify library search for samples and blanks 2) verify TICs were not misreported compounds (different fraction or miss in search) 3) All TICs – J estimated 4) * verify blanks do not contain TIC peaks 5) * check TIC assignment spectra to STD spectra 6) *review blank and Samples for common lab contaminants	None Reported	X	-	
Equip Blank	< 5x (<10x common) contaminants for aq samples – for soil indicate EB (X rules don't apply)	Not collected/analyzed with this SDG.	-	-	
Surrogates	Within historical laboratory limits. p-terphenyl – 60% to 140%. Qualification: >UCL J – detects, %R<10% J –detects, R –NDs, %R >10% but <LCL% J-detects, UJ NDs	Surrogate not reported due to matrix interference. Qualify sample results as J due to unknown extraction efficiency.	X	J	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED Narrative (samples listed on attached sheets)	Inve n-tory	QUAL	BIAS
Lab Blanks (method blanks)	1) < 5x (<10x common) contaminants – U 2) analytes <lab PQL (contract lab) no phthalates >5X QL (QAPP)	Method blanks were non-detects for DRO's. No sample qualifications.	X	-	
LCS Recovery	1) Within historical laboratory limits -60% to 140% 10% and <LCL% J detects, UJ –NDs >UCL% J detects <10% R NDs, J-detects	All LCS recoveries within MPC limits. No samples qualified.	X	-	
LCS/LCSD	LCS/LCSD RPD <20%	LCS/LCSD RPD within MPC. Laboratory precision is acceptable. No samples qualified.	X	-	
MS/MSD Recovery	1) Within historical laboratory limits (QAPP) (if MS > 4X native levels) Qualification of MS sample: <10% J detects, R NDs >10% and <70% J detects, UJ -NDs >130% J detects	MS/MSD analyzed for this SDG for native sample AH11708. The spike is within MPC for the MSD. The spike is not reported for the MS due to matrix interference. The spike is not greater than 4X the DRO level in the sample. No apparent matrix bias. No samples qualified.	X	-	
MS/MSD RPD	MS/MSD RPD <20%	MS/MSD RPD not evaluated as the MS %R was not reported due to matrix interference. The spike was not greater than 4X the DRO level in the sample. Laboratory precision determined by the LCS/LCSD	X	-	
Cleanup Performance Check (if performed)	%R< 10% NDs-R detections J %R>10% <LCL (80%GPC) –detections J, NDs UJ %R>UCL (120%) – detections J Retention Time shift <5%, symmetrical peakshape. GPC check with interferants. Good surrogate recovery, GPC blank check – no carryover.(VOA/SV-IX-I6). Sulfur and High MW compounds removed. Symetrical peaks for all compounds,	NA	-	-	
Field Dup RPD	1) RPD = 100% water; = 100% soil for Results > PQL (FD pair only) J-detects (both > PQL) 2) If one > PQL, other ND, J-detections, UJ non-detect Other conditions use judgement	Not collected/analyzed with this SDG	-	-	
Initial Cal (Linearity)	Correct calibration stds 1) COD>0.99 or %RSD<20%	Instrument ID: Not provided. Dates: 3/25/05. COD > 0.99. Calibration acceptable. No samples qualified based on ICAL.	X	-	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED Narrative (samples listed on attached sheets)	Inve n-tory	QUAL	BIAS
2nd Source ICV	%D ≤ 20%, (+ or -) once per 5 pt cal Qualification: J detects, R or UJ NDs	Instrument ID: Not provided. %D within MPC limits. No samples qualified.	X		
CCV	CCV %D<20%	Instrument ID: Not provided. %D within MPC limits for DRO. No samples qualified.	X	-	
Resolution Stanard/Low-level recovery	1) 60-140%	Within limits.	X	-	
Compound Quantitation	2) Check sensitivity (MDL< 1/3 PQL or per QAPP)	Sample required dilution (5X).	X	-	
Overall Evaluation of Data	1) Appropriate method 2) Evaluate any analytical problems 3) Evaluate sampling errors – field contamination, sample hold times	Laboratory Error Evaluation: The laboratory accuracy and precision are acceptable and no apparent sample matrix bias. Results are usable for making project decisions. Method blank – non-detect for DRO's. No sample qualifications due to MS/MSD recoveries as spikes < 4X native levels. Resolution Check within limits. ICAL; linear. ICV: confirms ICAL. CCV: within MPC limits. Sampling Error Evaluation: No associated field QC samples.	X	-	

*Tier III criteria.

Completeness Check: Inventory Check Sheet____X__ Sample Quantitation Calculations (TIER III ONLY):

ECC Region I Data Review Worksheet (rv 3) **VOCs 5030B/5035/8260B**
Project: NAS Brunswick ONFF ECC Job No. 5700 **Review Criteria: ONFF GWM Plan & USEPA Region I Tier II Guidance**

Data Validation Level	Matrix	Preservation	Temp Sample Receipt	Laboratory	SDG Number
Tier II	Aqueous	HCl	1 cooler – Temp (°C): 5.0	Northeast Laboratory Waterville, ME	Lab SDG# ONFFA

Field Identification and Laboratory Number of Samples Evaluated:

Field ID	Lab Sample Number
ONFF-QT1	AH11707
MW-NASB-702	AH11708

Note: Samples are described below in the data worksheets by reference to the Lab Sample Number.

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED/Rationale	Inventory	QUAL	BIAS
COC	1)Unbroken custody (accept or if broken R) 2) Temp≤6° (Soil-J detects, R -nondetects preserved per method (amber bottles, temperature, HCl (aq), MeOH/NAHSO4 (soils) (J, UJ, or R (function of HT and compound)	Cooler temperatures < 6 °C. Sample preservation adequate. Sample custody transferred from Field Team Leader to lab sample courier. Unbroken Chain of Custody. No samples qualified.	X		
Holding Time	1) 14 Days to analysis, if preserved 2) J –detects, UJ or R –nondetects (function of time) 3) *transcription errors	All samples analyzed within holding time. No samples qualified.	X	-	
% Solids Check (SOLIDS)	30%<Solids: if no sample weight adjustment made. 1) <10% R entire sample 2) 10%.> and <30%; J-detects, NDs -R	Not applicable	X	-	
Lab Blanks (method blanks)	1) < 5x (<10x common) contaminants for aq samples- 2) <10X common contaminants – acetone, 2-butanone or Mecl. 1) TGT analytes <Lab QL 2) if linear range is exceeded, verify if a instrument blank was performed 3) *verify accurate transcription of times, Ids, are reported on forms 4) *verify from the raw data if the instrument blank was performed in the same vessel 5) *verify IS, RRT, and surrogate %R *check 10% of raw chromatograms for false +/-, check for transcription errors	Method blank non-detect for project COCs.	X		
Trip Blank	1) < 5x (<10x common) contaminants for aq samples- 2) TGT analytes <Lab QL (contact lab) -for soils indicate cross matrix TB (X rules apply to raw data) 4) MeCl & Acetone < 5 5) >RL report sample level U 6) <RL report PQL as U	AH11707 was non-detect for all VOCs. No samples qualified.	X	-	
Equip Blank	1) < 5x (<10x common) contaminants for aq samples- 2) TGT analytes <Lab QL (contact lab) -for soils indicate TB (X rules don't apply)	Not collected/analyzed with this SDG	-	-	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED/Rationale	Inven-tory	QUAL	BIAS
	3) MeCl & Acetone < 5 *Check IS area (10% of them) * recalculate surrogate (%R – 10 % of them)				
Results > Cal Range or <Cal Range	6) >Upper Cal Range J-detects - ensure instrument blank performed 7) <PQL but >MDL – J –detects (estimated) listed on data summary sheet.	All results were non-detect.	X	-	
*TICs (if reported)	1) *verify library search for samples and blanks 2) verify TICs were not misreported compounds (different fraction or miss in search) 3) All TICs – J estimated 4) * verify blanks do not contain TIC peaks 5) * check TIC assignment spectra to STD spectra 6) *review blank and Samples for common lab contaminants	None Reported/not evaluated	-	-	
Surrogates	1,2-Dichloroethane-d4 65-135% Dibromofluoromethane 75-129% Toluene-d8 82%-120% 4-BFB 69%-125% *check raw data for surrogated (recalculate 10% of them). *Transcription errors Qualification: >UCL J –detects, %R<10% J –detects, R –Nods, %R >10% but <70% J-detects, UJ NDs	All reported surrogates within MPC. No samples qualified.	X	-	
LCS Recovery	1) Attachment A-2 of LTMP 2) All VOCs 60-140% 3) 10% and <LCL% J detects, UJ –Nods 4) >UCL% J detects <10% R NDs, J-detects 7) *Recalculate the concentrations for one compound in the LCS 8) * Recalculate the %R (within 10% of lab) Note: Tier guidance as a zero blind	All LCS recoveries are within MPC. No samples qualified.	X	-	
MS/MSD Recovery	1) Attachment A-2 of LTMP 2) 60-140% for all VOCs (if MS > 4X native levels) Qualification of MS sample: <10% J detects, R NDs >10% and <LCL% J detects, UJ -NDs >UCL% J detects 3) *Recalculate the concentrations for one compound in the MS/MSD * Recalculate the %R (within 10% of lab)	Field sample used for MS/MSD – AH11708 All MS/MSD recoveries within MPC. No apparent matrix bias. No samples qualified.	X	-	
*MS/MSD/unspike sample RSD	1)For unspiked compounds if reported, Non- MS spike compounds <50% RSD calculated from MS/MSD/Unspiked Qualification: >50% RSD J-detects 2)*recalculate the RPD (within 10% of lab)	NA	-	-	
MS/MSD RPD	RPD =20% (aq/S) (when MS >QL) J – detects in MS sample UJ-non detects * recalculate RPD	Field sample used for MS/MSD – AH11708 All MS/MSD RPDs within MPC. Laboratory precision is acceptable. No apparent matrix bias. No samples qualified	X	-	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED/Rationale	Inven-tory	QUAL	BIAS
Field Dup RPD	1) RPD = 30% aq. = 50 soil for Results > PQL (FD pair only) J-detects (both > PQL) 2) Note: FD RPD not specified in QAPP. 30% will be used as the MPC, to be consistent with other NASB QAPPs. 3) If one >PQL, other ND, J-detections, UJ non-detect 4) Other conditions use judgement 5) Determine RPD for detects only. *Recalculate the concentrations for one compound and the PQL	Not collected/analyzed with this SDG	X	-	
*MDL Study	1) *In accordance with 40CFR – seven replicates %RSD < 20% 2) * IS and retention times within method requirements 6) * performed annually 7) *MDL is at least ½ of PQL 8) *tgt and surrogate 80-120% R *VOA/SV-X11 (recalcuate %RSD and %R for three compounds (10% of them).	NA	-	-	
Internal Stds	1) IS are –50% to 200% of last Ical, or CCV 3) RRT<0.06 (30 sec) 4) IS>100% J-detects 5) IS<20%CCV NDs – R 6) IS>20%CCV <50%CCV NDs – UJ 7) *check for IS transcription errors 8) FBZ = fluroobenzene 9) CBZ = chlorobenzene-d5 10) DCB = 1,4 dichlorobenzene-d4	All IS are within MPC. No samples qualified	X	-	
Sensitivity	1) MDL study – 7 replicates (40 CFR) 2) Surrogates %in control limits. 3) %R <10 ND- (R) , J- detects 4) 10%> but <LCL% , judgement 5) %R>UCL% J-detects 5) QC, IS, RRT meet criteria, 6) %RSD < 20% 7) MDL< MQL (3x less ideal) 8) Lab fortitied blank (see VOA/SV Part II –section X). 9) *Check and recalculate %RSDs and %R for three compounds (with 10% of lab) <u>Dilution factors for samples – impacts to sensitivity</u>	BTEX & MTBE – the VOC's of concern. MRLs for benzene & MTBE are 1 µg/L.	X	-	
*Compound Quantitation (completed as part of other steps)	1) Check sensitivy (MDL< 1/3 PQL) 2) *Recalculate one detection and quantitation limit 3) *verify concentrations have been adjusted to account for DW, DF, 4) *verifiy correct IS and RRF were used	NA	-	-	
*System Performance	1)* evaluate PES, MS//MSD, cal STDs, MDS study, and surrogates for systemic bias – high or low and access system accuracy 8) *Matrix effects- MS/MSD, surrogated, PDS. 9) *System chromatography- evaluate RRTs, peaks shapes, system impacts on data, baseline shifts. 10) *overall system contamination-review all	NA	-	-	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED/Rationale	Inven-tory	QUAL	BIAS
	blanks for systemic or sporadic contamination				
*TGT Compound Identification	1) *Within 0.06 (30 sec) of CCV RRT 2) * compare sample Mass spectra to standard spectra; a) all ions in std spectra (with 10% rel intensity) presnent in sample spectra. B) sample ion abundance within 20% of standard spectra. 3) *chromatogram: all peaks greater than 10% of nearest IS identified.	NA	-	-	
Single Blind PE	1) Qualify associated samples in PES batch PES = ND, Detects J – ND PE analytes in samples, NDs – R 11) PES > acceptance criteria – Detects in samples J, 12) PES<acceptance criteria – Detects J, NDs –R 13) VOA/SV-XI14 other criteria 14) *% of PES sample above and below criteria *Recalculate concentrations for one tgt compound per PES (10% of lab)	NA	-	-	
Tune check	1) ion abundance with method limits 2) *check for co-elution /proper background subtraction 3) *compare reported data to raw data	All tunes passed method criteria. No samples qualified.	X	-	
Initial Cal Multipoint (instrument evaluation)	1) correct calibration stds 2) within 12 hours of the tune check 3) CCCs %RSD: <30% (1,1 DCA, chloroform, 1,2dichloropropane, Toluene, EB, VC (J –detects, R or UJ NDs all samples associated with Ical) 4) SPCCs Average RRF: SPCCs Chloromethane >0.10, 1,1 DCA>0.10, bromoform >0.10, chlorobenzene>0.3, 1122TCA>0.3 (J –detects, R NDs) 5) RRF>0.05 all compounds 6) RRT < 0.06 units (all stds within 30 sec) 7) %RSD<15% for all non-CCCs or COD>0.99 *8) RRF exclusions: surrogates, acetone, MeCL, chloroethane/methane, CS, 1,/22/03 2-butanone, 1,2 dichloropropane, 2-hexanone (IV-8)./* 9) *verify that instrument parameters met method and that Ical and analysis used the same parameters 10) *recalculate RRF one tgt compound associated with each IS. Recalculated values within 10% of lab values. 11) *recalculate one tgt compound associated with each IS. Recalculated values within 10% 12) *option-review preparation logs to ensure cal stds are traceable to NIST stds. 13) *option-recalculate cal std concentration of one std. Must agree within 10% of lab (option if information is in data package)	Instrument MS1 Oct 7, 2005, 2005. RF, SPCC, and CCC are within method limits. No samples qualified.	X	-	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED/Rationale	Inven-tory	QUAL	BIAS
Initial Cal (Linearity)	%RSD < 15% use average RF for calibration %RSD> 15% use least squares COD (r2) > 0.990 or correlation coefficient r> 0.995 Qualification for compounds with : %RSD>30% and RRF>0.05 – J detects, UJ – NDs, %RSD<30% and RRF<0.05; -J detects, R – ND, %RSD>30% and RRF<0.05: J detects, R - ND (see VOA/SVIII-4)	Instrument MS1 Oct 7, 2005, 2005. All compounds have linear calibration curves. No samples qualified.	X	-	
2nd Source ICV	QC check or criteria not specified in QAPP. %D<25% or %R (between ICV and Ical) analytes 80%--120% (+ or -) once per 5 pt cal used to evaluate data sets. Qualification: J detects, R or UJ NDs	Second source LCS used for ICV. LCS recoveries were within MPC.	X		
CCV	1) SPCCs Average RRF: SPCCs Chloromethane >0.10, 1,1 DCA>0.10, bromoform >0.10, chlorobenzene>0.3, 1122TCA>0.3 2) RRF all compounds > 0.05 3) CCC: (1,1 DCA, chloroform, 1,2dichloropropane, Toluene, EB, VC) %D<20% (or all analytes if no CCCs reported). 4) Qualification-J detects, R or UJ NDs 5) *verify same instrument and parameters 6) *Recalculate RRF for one tgt cmpd associated with each IS. (within 10%) 7) *Recalculate %D for one tgt cmpd associated with each IS (within 10%) 8) *IS RRT<0.06 units (30 sec) 9) * IS area -50 % to 100 % of last ICAL 10) *option-review preparation logs to ensure cal stds are traceable to NIST stds. 11) *option-recalculate cal std concentration of one std. Must agree within 10% of lab (option if information is in data package)	Instrument MSI All project COCs are within MPC. No samples qualified.	X		
Overall Evaluation of Data	1) Appropriate method 2) Evaluate any analytical problems 3) Evaluate sampling errors – field contamination, sample hold times	Laboratory Error Evaluation; Laboratory precision and accuracy acceptable. No apparent sample bias. Sample results are usable for making project decisions, as qualified. ICAL; within MPC limits for all VOC's of concern . ICV: within MPC limits. CCV: within MPC limits. Sampling error – Tripblank was non-detect for all VOCs. No apparent cross contamination.	X	-	

* Tier III review items only.

Completeness Check: Inventory Check Sheet_____X__. Sample Quantitation Calculations (TIER III only):

Lab correspondence: None.

ECC Region I Data Review Worksheet **Ferrous SM3500 Fe D**
Project: Brunswick Site ONFF Job No. 5700 **TIER I**

Data Validation Level	Matrix	Preservation	Temperature Sample Receipt	Laboratory	SDG Number
Tier I	Aqueous	-	1 cooler – Temp (°C): 5.0	Northeast Laboratory Waterville, ME	Lab SDG# ONFFA

Field Identification of Samples Evaluated:

Field ID	Lab Sample Number
MW-NASB-702	AH11708

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED/Narrative Evaluation	Inventory
COC	1)Unbroken custody (accept or if broken R) 2) Temp≤6° (Soil-J detects, R -nondetects 3) preserved per method (amber bottles, temperature. J, UJ, or R (function of HT and compound)	Cooler temperatures < 6 °C. Sample preservation adequate. Sample custody transferred from Field Team Leader to lab sample courier. Unbroken Chain of Custody. Sample preservation within limits. No samples qualified.	X
Holding Time	1) 24 hours 2) J –detects, UJ or R –nondetects (function of time). Sample not qualified for a Tier I review.	All samples analyzed within holding time. No samples qualified.	X
Results > Cal Range or <Cal Range	1) >Upper Cal Range J-detects - ensure instrument blank performed 2) <PQL but >MDL – J –detects (estimated)	none	X
Results	1) Results are provided by laboratory	provided	X
Calibration	1) calibration information provided, as per method SOP	provided	X
Accuracy Check	1) accuracy information provided, as per method SOP	Provided	X

Completeness Check: Inventory Check Sheet_____X__

ECC Region I Data Review Worksheet **Alkalinity EPA310.1**
Project: Brunswick Site ONFF Job No. 5700 **TIER I**

Data Validation Level	Matrix	Preservation	Temperature Sample Receipt	Laboratory	SDG Number
Tier I	Aqueous	-	1 cooler – Temp (°C): 5.0	Northeast Laboratory Waterville, ME	Lab SDG# ONFFA

Field Identification of Samples Evaluated:

Field ID	Lab Sample Number
MW-NASB-702	AH11708

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED/Narrative Evaluation	Inventory
COC	1)Unbroken custody (accept or if broken R) 2) Temp≤6° (Soil-J detects, R -nondetects 3) preserved per method (amber bottles, temperature. J, UJ, or R (function of HT and compound)	Cooler temperatures < 6 °C. Sample preservation adequate. Sample custody transferred from Field Team Leader to lab sample courier. Unbroken Chain of Custody. Sample preservation within limits. No samples qualified.	X
Holding Time	1) J –detects, UJ or R –nondetects (function of time). Sample not qualified for a Tier I review.	All samples analyzed within holding time. No samples qualified.	X
Results > Cal Range or <Cal Range	1) >Upper Cal Range J-detects - ensure instrument blank performed 2) <PQL but >MDL – J –detects (estimated)	none	X
Results	1) Results are provided by laboratory	provided	X
Calibration	1) calibration information provided, as per method SOP	provided	X
Accuracy Check	1) accuracy information provided, as per method SOP	Provided	X

Completeness Check: Inventory Check Sheet_____X__

ECC Region I Data Review Worksheet **Nitrate/Sulfate EPA 300**
Project: Brunswick Site ONFF Job No. 5700 **TIER I**

Data Validation Level	Matrix	Preservation	Temperature Sample Receipt	Laboratory	SDG Number
Tier I	**Aqueous**	**-**	**1 cooler – Temp (°C): 5.0**	**Northeast Laboratory Waterville, ME**	**Lab SDG# ONFFA**

Field Identification of Samples Evaluated:

Field ID	Lab Sample Number
MW-NASB-702	AH11708

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED/Narrative Evaluation	Inventory
COC	1)Unbroken custody (accept or if broken R) 2) Temp≤6° (Soil-J detects, R -nondetects 3) preserved per method (amber bottles, temperature. J, UJ, or R (function of HT and compound)	Cooler temperatures < 6 °C. Sample preservation adequate. Sample custody transferred from Field Team Leader to lab sample courier. Unbroken Chain of Custody. Sample preservation within limits. No samples qualified.	X
Holding Time	1) 48 hours nitrate & 28 days sulfate 2) J –detects, UJ or R –nondetects (function of time). Sample not qualified for a Tier I review.	All samples analyzed within holding time. No samples qualified.	X
Results > Cal Range or <Cal Range	1) >Upper Cal Range J-detects - ensure instrument blank performed 2) <PQL but >MDL – J –detects (estimated)	none	X
Results	1) Results are provided by laboratory	provided	X
Calibration	1) calibration information provided, as per method SOP	provided	X
Accuracy Check	1) accuracy information provided, as per method SOP	Provided	X

Completeness Check: Inventory Check Sheet_____X__

ECC Region I Data Review Worksheet **TOC EPA 415.1**
Project: Brunswick Site ONFF Job No. 5700 **TIER I**

Data Validation Level	Matrix	Preservation	Temperature Sample Receipt	Laboratory	SDG Number
Tier I	Aqueous	HCl	1 cooler – Temp (°C): 5.0	Northeast Laboratory Waterville, ME	Lab SDG# ONFFA

Field Identification of Samples Evaluated:

Field ID	Lab Sample Number
MW-NASB-702	AH11708

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED/Narrative Evaluation	Inventory
COC	1)Unbroken custody (accept or if broken R) 2) Temp≤6° (Soil-J detects, R -nondetects 3) preserved per method (amber bottles, temperature. J, UJ, or R (function of HT and compound)	Cooler temperatures < 6 °C. Sample preservation adequate. Sample custody transferred from Field Team Leader to lab sample courier. Unbroken Chain of Custody. Sample preservation within limits. No samples qualified.	X
Holding Time	1) 28 days 2) J –detects, UJ or R –nondetects (function of time). Sample not qualified for a Tier I review.	All samples analyzed within holding time. No samples qualified.	X
Results > Cal Range or <Cal Range	1) >Upper Cal Range J-detects - ensure instrument blank performed 2) <PQL but >MDL – J –detects (estimated)	none	X
Results	1) Results are provided by laboratory	provided	X
Calibration	1) calibration information provided, as per method SOP	provided	X
Accuracy Check	1) accuracy information provided, as per method SOP	Provided	X

Completeness Check: Inventory Check Sheet_____X__

Northeast Laboratory SERVICES

P.O. Box 788 • Waterville, ME 04903-0788
207-873-7711 / Fax: 207-873-7022

Shipping: Rt. 137, China Road
Winslow, Maine 04901

CHAIN OF CUSTODY RECORD

Company Name: ECC

Reporting Address: ~~NEOL~~ 50 D'Angelo Dr. Marlborough, MA

Client Contact: Darren Gainer Phone Fax

Billing Name: ECC

Billing Address: Same as above

PO #:
Quote #
Project Name ONFF

Lab Comments: SDG # BNASONFFA

Sample Designation	Sample Date/Time	Preservation: 1 H_2SO_4, 2=HNO_3, 3=HCL, 4=NaOH, 5=Thio, 6=4°C, 7=None	Container Size, Type	QTY	Sample Type Code: G = Grab C = Composite	Matrix Code Choose One: GW = Ground Water WW = Waste Water DW = Drinking Water SW = Surface Water O = Oil WP = Wipe S = Soil F = Food Other (Please List)	Analyses Requested	Lab Sample ID
MW-NASB-702	10/3/05 1320	3	40ML	9	G	GW	VOA	AH11708.1-39
		3	1LA	6	G	GW	DRO	
		3	40ML	9	G	GW	Methane	
		7	500ML Poly	3	G	GW	Nitrate, Sulfate, Alkalinity	
		1	250ML Amb	3	G	GW	TOC	
		3	500ML Poly	3	G	GW	FE II	
		3	40ML	6	G	GW	GRO	
* ONFF-QT1	10/3/05 1420	3	40ML	3	G	Tripblank	VOA →	AH11707.1-8
		3	40ML	3	G	"	Methane	
		3	40ML	2	G	"	GRO	

Notes: MS/MSD collected
Temp Blank

Known hazards associated with samples:

Sampled By	Date/Time	Received By	Date/Time	pH	The recommended temperature of the internal container is 2-6°C. Do you authorize analysis if the temp is out of range?
Mark A. Co	10/3/05	[illegible]	10/3/05 1530		
Relinquished By	Date/Time	Received By	Date/Time	Rush Yes	
Mark A. Co	10/3/05 1530	D. Mitchell	10/3/05 17:30 pm	5 days 50% surcharge / 2 days 100% surcharge	S.D
Relinquished By	Date/Time	Received By	Date/Time	Field Filtered Y / N	Yes No
[illegible]	10/3/05 1650				

Chain of Custody must be filled out completely. This includes signature, sample description, analysis requested, date and time sampled.

If not completed, samples will be rejected.

If a sample is hazardous or radioactive, the sample will be returned to the client at the client's expense.
Standard turn-around-time is 10 business days - depending on season.

Rev. 5/01 Form #NEL 100

0319

DATA VALIDATION MEMORANDUM
NAS BRUNSWICK SITE OLD NAVY FUEL FARM
SAMPLE DATA GROUP ON FFB
OCTOBER 2005 SAMPLING ROUND 11

TO: ENGINEERING FACILITY COMMAND NORTHEAST

FROM: JACKSON KIKER, ECC SENIOR CHEMIST, MARLBOROUGH, MA

SUBJECT: NAS BRUNSWICK SITE OLD NAVY FUEL FARM MONITORING EVENT 11

DATE: DECEMBER 6, 2005

Project data were validated using the following Validation Functional Guidelines, as modified for non-CLP methods and project-specific QAPP measurement performance criteria (MPC):

1. Region I, EPA-NE Data Validation Functional Guidelines for Evaluation of Environmental Analyses (Dec, 1996),

2. National Functional Guidelines for Evaluation Inorganic Analysis (1988), and

3. National Functional Guidelines for Evaluation Organic Analysis (October 1999).

The data were assessed against the MPC listed in the approved Site 1& 3 and Eastern Plume LTMP QAPP (May 2000). The QAPP MPC and validation guideline exceedences are assessed and documented on the method/QAPP specific data validation worksheets. On these data validation worksheets the data quality acceptance criteria are presented, analytes requiring qualification based on MPC and/or validation guidance criteria exceedences are listed, assigned qualifiers, qualifying rationale is documented, and any potential bias noted. The overall evaluation of the data generated by a method is presented in the data validation worksheet.

Standard EPA Region I data qualifiers are used to denote the assessment of data quality. The final and ranking assigned data qualifier for an analyte is presented in the data summary table. Ancillary qualifiers are noted on the data validation worksheets.

The USEPA Region I Organic Regional Data Assessment (ORDA) sheet displays the summarized results of the data validation assessment for all analytical methods reported in the SDG.

ACRONYMS AND ABBREVIATIONS

Following is a list of acronyms and abbreviations that may be used in the data validation reports.

Acronym or Abbreviation	Definition
%D	Percent difference
%R	Percent recovery
%M	Percent moisture
%S	Percent solids
Ug/L	Microgram per liter
BD	Breakdown
BEHP	2-bis(ethylhexyl)phthalate
BFB	Bromofluorobenzene
CCB	Continuing calibration Blank
CCC	Continuing Check Compound
CCV	Continuing Calibration Verfication
COC	Chain of custody
CRI	standard at RL for ICP
CVAA	Cold vapor atomic absorption
DFTPP	Decafluorotriphenylphosphine
DQO	Data quality objective
EB	Equipment blank
EPA	Environmental Protection Agency
FD	Field duplicate
GC	Gas Chromatography
GC/MS	Gas chromatography/mass spectrometry
HT	Holding time
ICAL	Initial calibration
ICS-A/AB	Interelement check standard A or AB
ICV	Initial calibration verification
IDL	Instrument detection limit
IS	Internal standards
LCL	Lower control limit
LCS	Laboratory control sample
LTMP	Long term monitoring plan
MeCl	Methylene chloride
MS	Matrix spike

Acronym or Abbreviation	Definition
MSD	Matrix spike duplicate
MPC	Measurement performance criteria
NA	Not applicable
NC	Not calculated.
PAH	Polycyclic aromatic hydrocarbon
PCB	Polychlorinated biphenyls
PQL	Practical quantitation limit
QAPP	Quality Assurance Project Plan
QC	Quality control
RF	Response Factor
RPD	Relative percent difference
RRF	Relative response factor
RSD	Relative standard deviation
RT	Retention time
SDG	Sample Delivery Group
SOP	Standard Operation Procedure
SVOC	Semi-volatile organic compound
SPCC	System performance check compound
SQL	Sample Quantitation Limit
TB	Tripblank
TCX	Tetrachloro-m-xylene
TIC	Tentatively identified compound
UCL	Upper control limit
VOC	Volatile organic compound

DATA QUALIFIER REFERENCE TABLE

Data validation reports will summarize the samples reviewed, elements reviewed, any nonconformances with the established criteria, validation actions (including data qualifiers). Data qualifiers will be consistent with EPA Region I – New England guidelines and will consist of the following:

USEPA Region I – Data Qualifier	USEPA Region I – Qualifier Definition
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample
UJ	The analyte was not detected above the sample reporting limit; and the reporting limit is approximate
U	The sample was analyzed for, but was not detected above the sample reporting limit.
R	The sample result is rejected due to serious deficiencies. The presence or absence of the analyte cannot be verified

Region I, EPA-NE ORGANIC REGIONAL DATA ASSESSMENT

LAB NAME: NorthEast Laboratory
SDG #:__ONFFB
EPA-NE DV TIER LEVEL:___II___
SITE NAME: NAS Brunswick – Site Old Navy Fuel Farm

# of SAMPLES: VOC–4 GW, 1-FD,& 1 TB.
VALIDATION CONTRACTOR:__ECC
VALIDATOR'S NAME: Jackson Kiker
DV Completion Date:_,5 December 2005
Date Sampled: 4 October 2005.

ANALYTICAL DATA QUALITY SUMMARY

		VOC	GRO	DRO	Methane (MNA)
1	Preservation and HT	O	O	O	O
2	Instrument Performance Check	O	O	O	O
3	Initial Calibration:	O	O	O	O
4	Continuing Calibration:	O	O	O	O
5	Blanks:	O	O	O	O
6	Surrogate Compounds:	O	O	O	O
7	Internal Standards	O	-	-	O
8	Matrix Spike/Matrix Spike Duplicate:	O	O	O-	-
9	Sensitivity Check:	O	O	O	O
10	PE Samples- Accuracy Check	O	O	O	O
11	Target Compound Identification:	O	O	O	O
12	Compound Quantitation and Reported QLs	O	O	O	O
13	Tentatively Identified Compounds:	-	-	-	-
14	Semivolatile/Pesticide/PCB Cleanup:	-	-	-	-
15	Data Completeness	O	O	O	O
16	Overall Evaluation of Data:	O	O	O	O

O = Data had no problems or were qualified due to minor contractual problems; M = Data were qualified due to major/systemic MPC exceedences: Z = Data were rejected as unusable due to major contractual problems.

ACTION ITEMS: (Z items):

AREAS OF CONCERN: (M items):
Methane (MNA): Methane subcontracted to Air Toxics Laboratory. Validated as part of SDG ONFFA..
COMMENTS: Tier I validation was performed for Alkalinity, TOC, Ferrous, Nitrate and Sulfate analyses.

Data Summary Table
SDG ONFFB/0510114

Sample Name	Lab ID	Sample Type	Analyte	Result	Detect Y/N	Validator Q	MDL	MRL	Units
MW-NASB-702 (AH11708)	0510114-01A	N	Methane	0.19	Y		0.0029	0.010	uG/mL
MW-NASB-702 (AH11708)	0510114-01A	N	Ethane	0.010	N	U	0.0024	0.010	uG/mL
MW-NASB-702 (AH11708)	0510114-01A	N	Ethene	0.010	N	U	0.0023	0.010	uG/mL
MW-703 (AH11799)	0510114-03A	N	Methane	0.010	N	U	0.0029	0.010	uG/mL
MW-703 (AH11799)	0510114-03A	N	Ethane	0.010	N	U	0.0024	0.010	uG/mL
MW-703 (AH11799)	0510114-03A	N	Ethene	0.010	N	U	0.0023	0.010	uG/mL
MW-701 (AH11800)	0510114-04A	N	Methane	0.79	Y		0.0029	0.010	uG/mL
MW-701 (AH11800)	0510114-04A	N	Ethane	0.010	N	U	0.0024	0.010	uG/mL
MW-701 (AH11800)	0510114-04A	N	Ethene	0.010	N	U	0.0023	0.010	uG/mL
MW-NASB-DUP 1 (AH11801)	0510114-05A	FD	Methane	0.010	N	U	0.0029	0.010	uG/mL
MW-NASB-DUP 1 (AH11801)	0510114-05A	FD	Ethane	0.010	N	U	0.0024	0.010	uG/mL
MW-NASB-DUP 1 (AH11801)	0510114-05A	FD	Ethene	0.010	N	U	0.0023	0.010	uG/mL
ONFF-QT-2 (AH11802) (Trip Blan	0510114-06A	TB	Methane	0.010	N	U	0.0029	0.010	uG/mL
ONFF-QT-2 (AH11802) (Trip Blan	0510114-06A	TB	Ethane	0.010	N	U	0.0024	0.010	uG/mL
ONFF-QT-2 (AH11802) (Trip Blan	0510114-06A	TB	Ethene	0.010	N	U	0.0023	0.010	uG/mL
MW-NASB-051 (AH11803)	0510114-07A	N	Methane	0.058	Y		0.0029	0.010	uG/mL
MW-NASB-051 (AH11803)	0510114-07A	N	Ethane	0.010	N	U	0.0024	0.010	uG/mL
MW-NASB-051 (AH11803)	0510114-07A	N	Ethene	0.010	N	U	0.0023	0.010	uG/mL

Data Summary Table
SDG BNASONFFB

Sample Name	Lab ID	Sample Date	Analytical Method	Analyte	Result	Validation Qualifier	Result	Detect Y/N	MRL	Dilution Factor
MW-703	AH11799	10/04/2005	EPA 300	Sulfate	25		mg/L	Y	1.0	1
MW-703	AH11799	10/04/2005	EPA 310.1	Alkalinity	10		mg/L	Y	5.0	1
MW-703	AH11799	10/04/2005	EPA 353.2	Nitrate-N	0.68		mg/L	Y	0.1	1
MW-703	AH11799	10/04/2005	EPA 415.1	Total Organic Carbon	3.5		mg/L	Y	1	1
MW-703	AH11799	10/04/2005	EPA 8260B	Benzene	1.0	U	ug/L	N	1.0	1
MW-703	AH11799	10/04/2005	EPA 8260B	Ethylbenzene	1.0	U	ug/L	N	1.0	1
MW-703	AH11799	10/04/2005	EPA 8260B	m,p-Xylene	1.0	U	ug/L	N	1.0	1
MW-703	AH11799	10/04/2005	EPA 8260B	MTBE (Methyl-t-Butyl Ethe	1.0	U	ug/L	N	1.0	1
MW-703	AH11799	10/04/2005	EPA 8260B	o-Xylene	1.0	U	ug/L	N	1.0	1
MW-703	AH11799	10/04/2005	EPA 8260B	Toluene	1.0	U	ug/L	N	1.0	1
MW-703	AH11799	10/04/2005	MEDEP 4.1.25	Diesel Range Organics	50	U	ug/L	N	50	1
MW-703	AH11799	10/04/2005	MEDEP 4.2.17	Benzene	1.0	U	ug/L	N	1.0	1
MW-703	AH11799	10/04/2005	MEDEP 4.2.17	Ethyl benzene	1.0	U	ug/L	N	1.0	1
MW-703	AH11799	10/04/2005	MEDEP 4.2.17	GROAQ	5.0	U	ug/L	N	5.0	1
MW-703	AH11799	10/04/2005	MEDEP 4.2.17	MTBE (Methyl-t-Butyl Ethe	2.0	U	ug/L	N	2.0	1
MW-703	AH11799	10/04/2005	MEDEP 4.2.17	Toluene	1.0	U	ug/L	N	1.0	1
MW-703	AH11799	10/04/2005	MEDEP 4.2.17	Total xylenes	1.0	U	ug/L	N	1.0	1
MW-703	AH11799	10/04/2005	SM 3500 Fe D	Ferrous Iron	250		ug/L	Y	25.0	1
MW-701	AH11800	10/04/2005	EPA 300	Sulfate	30		mg/L	Y	1.0	1
MW-701	AH11800	10/04/2005	EPA 310.1	Alkalinity	75		mg/L	Y	5.0	1
MW-701	AH11800	10/04/2005	EPA 353.2	Nitrate-N	0.1	U	mg/L	N	0.1	1
MW-701	AH11800	10/04/2005	EPA 415.1	Total Organic Carbon	23		mg/L	Y	1	2
MW-701	AH11800	10/04/2005	EPA 8260B	Benzene	1.0	U	ug/L	N	1.0	1
MW-701	AH11800	10/04/2005	EPA 8260B	Ethylbenzene	1.0	U	ug/L	N	1.0	1
MW-701	AH11800	10/04/2005	EPA 8260B	m,p-Xylene	1.0	U	ug/L	N	1.0	1
MW-701	AH11800	10/04/2005	EPA 8260B	MTBE (Methyl-t-Butyl Ethe	1.0	U	ug/L	N	1.0	1
MW-701	AH11800	10/04/2005	EPA 8260B	o-Xylene	1.0	U	ug/L	N	1.0	1
MW-701	AH11800	10/04/2005	EPA 8260B	Toluene	1.0	U	ug/L	N	1.0	1
MW-701	AH11800	10/04/2005	MEDEP 4.1.25	Diesel Range Organics	50	U	ug/L	N	50	1
MW-701	AH11800	10/04/2005	MEDEP 4.2.17	Benzene	1.0	U	ug/L	N	1.0	1
MW-701	AH11800	10/04/2005	MEDEP 4.2.17	Ethyl benzene	1.0	U	ug/L	N	1.0	1
MW-701	AH11800	10/04/2005	MEDEP 4.2.17	GROAQ	5.0	U	ug/L	N	5.0	1
MW-701	AH11800	10/04/2005	MEDEP 4.2.17	MTBE (Methyl-t-Butyl Ethe	2.0	U	ug/L	N	2.0	1
MW-701	AH11800	10/04/2005	MEDEP 4.2.17	Toluene	1.0	U	ug/L	N	1.0	1
MW-701	AH11800	10/04/2005	MEDEP 4.2.17	Total xylenes	1.0	U	ug/L	N	1.0	1
MW-701	AH11800	10/04/2005	SM 3500 Fe D	Ferrous Iron	660		ug/L	Y	25.0	1
MW-NASB-DUP1	AH11801	10/04/2005	EPA 300	Sulfate	24		mg/L	Y	1.0	1
MW-NASB-DUP1	AH11801	10/04/2005	EPA 310.1	Alkalinity	11		mg/L	Y	5.0	1
MW-NASB-DUP1	AH11801	10/04/2005	EPA 353.2	Nitrate-N	0.63		mg/L	Y	0.1	1
MW-NASB-DUP1	AH11801	10/04/2005	EPA 415.1	Total Organic Carbon	3.6		mg/L	Y	1	1
MW-NASB-DUP1	AH11801	10/04/2005	EPA 8260B	Benzene	1.0	U	ug/L	N	1.0	1

Data Summary Table
SDG BNASONFFB

Sample Name	Lab ID	Sample Date	Analytical Method	Analyte	Result	Validation Qualifier	Result	Detect Y/N	MRL	Dilution Factor
MW-NASB-DUP1	AH11801	10/04/2005	EPA 8260B	Ethylbenzene	1.0	U	ug/L	N	1.0	1
MW-NASB-DUP1	AH11801	10/04/2005	EPA 8260B	m,p-Xylene	1.0	U	ug/L	N	1.0	1
MW-NASB-DUP1	AH11801	10/04/2005	EPA 8260B	MTBE (Methyl-t-Butyl Ethe	1.0	U	ug/L	N	1.0	1
MW-NASB-DUP1	AH11801	10/04/2005	EPA 8260B	o-Xylene	1.0	U	ug/L	N	1.0	1
MW-NASB-DUP1	AH11801	10/04/2005	EPA 8260B	Toluene	1.0	U	ug/L	N	1.0	1
MW-NASB-DUP1	AH11801	10/04/2005	MEDEP 4.1.25	Diesel Range Organics	50	U	ug/L	N	50	1
MW-NASB-DUP1	AH11801	10/04/2005	MEDEP 4.2.17	Benzene	1.0	U	ug/L	N	1.0	1
MW-NASB-DUP1	AH11801	10/04/2005	MEDEP 4.2.17	Ethyl benzene	1.0	U	ug/L	N	1.0	1
MW-NASB-DUP1	AH11801	10/04/2005	MEDEP 4.2.17	GROAQ	5.0	U	ug/L	N	5.0	1
MW-NASB-DUP1	AH11801	10/04/2005	MEDEP 4.2.17	MTBE (Methyl-t-Butyl Ethe	2.0	U	ug/L	N	2.0	1
MW-NASB-DUP1	AH11801	10/04/2005	MEDEP 4.2.17	Toluene	1.0	U	ug/L	N	1.0	1
MW-NASB-DUP1	AH11801	10/04/2005	MEDEP 4.2.17	Total xylenes	1.0	U	ug/L	N	1.0	1
MW-NASB-DUP1	AH11801	10/04/2005	SM 3500 Fe D	Ferrous Iron	230		ug/L	Y	25.0	1
ONFF-QT-2	AH11802	10/04/2005	EPA 8260B	Benzene	1.0	U	ug/L	N	1.0	1
ONFF-QT-2	AH11802	10/04/2005	EPA 8260B	Ethylbenzene	1.0	U	ug/L	N	1.0	1
ONFF-QT-2	AH11802	10/04/2005	EPA 8260B	m,p-Xylene	1.0	U	ug/L	N	1.0	1
ONFF-QT-2	AH11802	10/04/2005	EPA 8260B	MTBE (Methyl-t-Butyl Ethe	1.0	U	ug/L	N	1.0	1
ONFF-QT-2	AH11802	10/04/2005	EPA 8260B	o-Xylene	1.0	U	ug/L	N	1.0	1
ONFF-QT-2	AH11802	10/04/2005	EPA 8260B	Toluene	1.0	U	ug/L	N	1.0	1
ONFF-QT-2	AH11802	10/04/2005	MEDEP 4.2.17	Benzene	1.0	U	ug/L	N	1.0	1
ONFF-QT-2	AH11802	10/04/2005	MEDEP 4.2.17	Ethyl benzene	1.0	U	ug/L	N	1.0	1
ONFF-QT-2	AH11802	10/04/2005	MEDEP 4.2.17	GROAQ	10	U	ug/L	N	10.0	1
ONFF-QT-2	AH11802	10/04/2005	MEDEP 4.2.17	MTBE (Methyl-t-Butyl Ethe	2.0	U	ug/L	N	2.0	1
ONFF-QT-2	AH11802	10/04/2005	MEDEP 4.2.17	Toluene	1.0	U	ug/L	N	1.0	1
ONFF-QT-2	AH11802	10/04/2005	MEDEP 4.2.17	Total xylenes	1.0	U	ug/L	N	1.0	1
MW-NASB-051	AH11803	10/04/2005	EPA 300	Sulfate	5.0		mg/L	Y	1.0	1
MW-NASB-051	AH11803	10/04/2005	EPA 310.1	Alkalinity	28		mg/L	Y	5.0	1
MW-NASB-051	AH11803	10/04/2005	EPA 353.2	Nitrate-N	0.1	U	mg/L	N	0.1	1
MW-NASB-051	AH11803	10/04/2005	EPA 415.1	Total Organic Carbon	1.8		mg/L	Y	1	1
MW-NASB-051	AH11803	10/04/2005	EPA 8260B	Benzene	1.0	U	ug/L	N	1.0	1
MW-NASB-051	AH11803	10/04/2005	EPA 8260B	Ethylbenzene	1.0	U	ug/L	N	1.0	1
MW-NASB-051	AH11803	10/04/2005	EPA 8260B	m,p-Xylene	1.0	U	ug/L	N	1.0	1
MW-NASB-051	AH11803	10/04/2005	EPA 8260B	MTBE (Methyl-t-Butyl Ethe	1.0	U	ug/L	N	1.0	1
MW-NASB-051	AH11803	10/04/2005	EPA 8260B	o-Xylene	1.0	U	ug/L	N	1.0	1
MW-NASB-051	AH11803	10/04/2005	EPA 8260B	Toluene	1.0	U	ug/L	N	1.0	1
MW-NASB-051	AH11803	10/04/2005	MEDEP 4.1.25	Diesel Range Organics	50	U	ug/L	N	50	1
MW-NASB-051	AH11803	10/04/2005	SM 3500 Fe D	Ferrous Iron	790		ug/L	Y	25.0	1

ECC Region I Data Review Worksheet (rv 2) **MEDEP 4.2.17 – Gasoline Range Organics**
Project: NAS Brunswick ONFF ECC Job No. 5700 **Review Criteria: ONFF GWM Plan & Region I Tier II Guidance**

Data Validation Level	Matrix	Preservation	Temperature Sample Receipt	Laboratory	SDG Number
Tier II	Aqueous	HCl	1 cooler – Temp (°C): 4.0	Northeast Laboratory Waterville, ME	Lab SDG# ONFFB

Field Identification of Samples Evaluated:

Field ID	Lab Sample Number
MW-703	AH11799
MW-701	AH11800
MW-NASB-DUP1	AH11801
ONFF-QT-2	AH11802
MW-NASB-051	AH11803

Note: Samples are described below in the data worksheets by reference to the Lab Sample Number.

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED Narrative (samples listed on attached sheets)	Inve n-tory	QUAL	BIAS
COC, Sample Delivery Group Form.	1)Unbroken custody (accept or if broken R) 2) Temp≤6° (Soil-J detects, R -nondetects preserved per method (amber bottles, temperature, HCl (aq), MeOH/NAHSO4 (soils) (J, UJ, or R (function of HT and compound)	Cooler temperatures < 6 °C in the coolers. Sample preservation using ice adequate. Sample custody transferred from Field Team Leader to lab sample courier in person. Unbroken Chain of Custody. No samples qualified.	X	-	
Holding Time	1) 14 days for analysis (extract 40 days) 2) J –detects, UJ or R –nondetects (function of time)	All samples prepared/analyzed within holding times. No samples qualified.	X	-	
% Solids Check (SOLIDS)	30%<Solids: if no sample weight adjustment made (no USACE) 1) <10% R entire sample 2) 10%.> and <30%; J-detects, NDs -R	Not applicable	-	-	
Results > Cal Range or <Cal Range	1) >Upper Cal Range J-detects - ensure instrument blank performed 2) <PQL but >MDL – J –detects (estimated)	All sample results are non-detect. No samples qualified.	X	-	
TICs (if reported)	1) *verify library search for samples and blanks 2) verify TICs were not misreported compounds (different fraction or miss in search) 3) All TICs – J estimated 4) * verify blanks do not contain TIC peaks 5) * check TIC assignment spectra to STD spectra 6) *review blank and Samples for common lab contaminants	None Reported	X	-	
Equip Blank	< 5x (<10x common) contaminants for aq samples – for soil indicate EB (X rules don't apply)	Equipment blank – not collected/analyzed as part of this SDG	-	-	
Surrogates	Within historical laboratory limits 4-BFB – 60% to 140%. Qualification: >UCL J –detects, %R<10% J –detects, R –NDs, %R >10% but <LCL% J-detects, UJ NDs	All surrogate recoveries within MPC limits. No samples qualified.	X	-	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED Narrative (samples listed on attached sheets)	Inve n-tory	QUAL	BIAS
Lab Blanks (method blanks)	1) < 5x (<10x common) contaminants – U 2) analytes <lab PQL (contract lab) no phthalates >5X QL (QAPP)	Method blanks were non-detects for GRO's. No sample qualifications.	X	-	
Trip Blank	1) < 5x (<10x common) contaminants for aq samples- 2) TGT analytes <Lab QL (contact lab) -for soils indicate cross matrix TB (X rules apply to raw data) 3) MeCl & Acetone < 5 4) >RL report sample level U 5) <RL report PQL as U	Tripblank was non-detect for all compounds. TB is sample AH11802 .	X	-	
LCS Recovery	1) Within historical laboratory limits -60% to 140% 10% and <LCL% J detects, UJ –NDs >UCL% J detects <10% R NDs, J-detects	All LCS recoveries within MPC limits. No samples qualified.	X	-	
MS/MSD Recovery	1) Within historical laboratory limits (QAPP) (if MS > 4X native levels) Qualification of MS sample: <10% J detects, R NDs >10% and <70% J detects, UJ -NDs >130% J detects	MS/MSD sample; AH11708 analyzed in SDG ONFFA. MS %R within MPC. No apparent matrix bias.	-	-	
MS/MSD RPD	1) MS/MSD RPD<20%	MS/MSD RPD within MPC. Laboratory precision is acceptable. MS/MSD analyzed and reported in SDG ONFFA.	X	-	
Cleanup Performance Check (if performed)	%R< 10% NDs-R detections J %R>10% <LCL (80%GPC) –detections J, NDs UJ %R>UCL (120%) – detections J Retention Time shift <5%, symmetrical peakshape. GPC check with interferants. Good surrogate recovery, GPC blank check – no carryover.(VOA/SV-IX-I6). Sulfur and High MW compounds removed. Symetrical peaks for all compounds,	NA	-	-	
LCS/LCSD RPD	RPD =30% aq, <50% (S) J –detects in MS sample UJ-non detects	LCS-LCSD analyzed - RPD within MPC limits. No samples qualified. Labortory precision is acceptable	X	-	
Field Dup RPD	1) RPD = 100% water; = 100% soil for Results > PQL (FD pair only) J-detects (both > PQL) 2) If one > PQL, other ND, J-detections, UJ non-detect Other conditions use judgement	Field Sample: AH11799 Field duplicate: AH11801 All compounds in the FD pair were reported as non-detect. FD RPD not calculated. Field sample and field duplicate sample results are similar (i.e. non-detect). Overall sampling and analysis precision is acceptable.	-	-	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED Narrative (samples listed on attached sheets)	Inve n-tory	QUAL	BIAS
Initial Cal (Linearity)	Correct calibration stds Calibration curve based upon linear regression. Cod>0.99 Or Average RF with the %RSD<20%	Instrument: GRO1 Date: October 22, 2004. COD > 0.99. No samples qualified based on ICAL.	X	-	
2nd Source ICV	%R (between ICV and Ical) analytes 80%--120% (USACE) %D ≤ 25%, (+ or -) once per 5 pt cal Qualification: J detects, R or UJ NDs	Instrument: GRO1 Date: October 22, 2004. %D within MPC limits. No samples qualified.	X		
CCV	Analyzed daily with samples. %D<20%	Instrument: GRO1 %D within MPC limits for GRO. No samples qualified.	X	-	
Compound Quantitation	1) Check sensitivity (MDL< 1/3 PQL or per QAPP)	RL requirements were met, no sample qualifications.	X	-	
Overall Evaluation of Data	1) Appropriate method 2) Evaluate any analytical problems 3) Evaluate sampling errors – field contamination, sample hold times	Laboratory Error Evaluation: The laboratory accuracy and precision are acceptable and no apparent sample bias. Results are usable for making project decisions. Method blank – non-detect for GRO's. LCS/LCSD analyzed – RPD within MPC limits.. LCS %R within MPC limits. ICAL; linear. ICV: confirms ICAL. CCV: within MPC limits. Sampling Error Evaluation: Tripblank was non-detect for VOCs. No apparent cross contamination Field Sample: AH11799 Field duplicate: AH11801 All compounds in the FD pair were reported as non-detect. FD RPD not calculated. Field sample and field duplicate sample results are similar (i.e. non-detect). Overall sampling and analysis precision is acceptable.	X	-	

*Tier III criteria.

Completeness Check: Inventory Check Sheet_____X__ Sample Quantitation Calculations (TIER III ONLY):

ECC Region I Data Review Worksheet (rv 2) **MEDEP 4.2.25 – Diesel Range Organics**
Project: NAS Brunswick ONFF ECC Job No. 5700 **Review Criteria: ONFF GWM Plan & Region I Tier II Guidance**

Data Validation Level	Matrix	Preservation	Temperature Sample Receipt	Laboratory	SDG Number
Tier II	Aqueous	HCl	1 cooler – Temp (°C): 4.0	Northeast Laboratory Waterville, ME	Lab SDG# ONFFB

Field Identification of Samples Evaluated:

Field ID	Lab Sample Number
MW-703	AH11799
MW-701	AH11800
MW-NASB-DUP1	AH11801
MW-NASB-051	AH11803

Note: Samples are described below in the data worksheets by reference to the Lab Sample Number.

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED Narrative (samples listed on attached sheets)	Inve n-tory	QUAL	BIAS
COC, Sample Delivery Group Form.	1)Unbroken custody (accept or if broken R) 2) Temp≤6° (Soil-J detects, R -nondetects preserved per method (amber bottles, temperature, HCl (aq), MeOH/NAHSO4 (soils) (J, UJ, or R (function of HT and compound)	Cooler temperatures < 6 °C in the coolers. Sample preservation using ice adequate. Sample custody transferred from Field Team Leader to lab sample courier in person. Unbroken Chain of Custody. No samples qualified.	X	-	
Holding Time	1) 7 Days aqueous – 14 days soil (extract 40 days) 2) J –detects, UJ or R –nondetects (function of time)	All samples extracted and analyzed within required holding times. No sample qualifications.	X	-	
% Solids Check (SOLIDS)	30%<Solids: if no sample weight adjustment made (no USACE) 1) <10% R entire sample 2) 10%.> and <30%; J-detects, NDs -R	Not applicable	-	-	
Results > Cal Range or <Cal Range	1) >Upper Cal Range J-detects - ensure instrument blank performed 2) <PQL but >MDL – J –detects (estimated)	Data reported between the MDL and the MRL qualified as estimated (J). No such results.	-	-	
Equip Blank	< 5x (<10x common) contaminants for aq samples – for soil indicate EB (X rules don't apply)	Not collected/analyzed with this SDG.	-	-	
Surrogates	Within historical laboratory limits. p-terphenyl – 60% to 140%. Qualification: >UCL J – detects, %R<10% J –detects, R –NDs, %R >10% but <LCL% J-detects, UJ NDs	Surrogate within MPC. No samples qualified.	X	-	
Lab Blanks (method blanks)	1) < 5x (<10x common) contaminants – U 2) analytes <lab PQL (contract lab) no phthalates >5X QL (QAPP)	Method blanks were non-detects for DRO's. No sample qualifications.	X	-	
LCS Recovery	1) Within historical laboratory limits -60% to 140% 10% and <LCL% J detects, UJ –NDs >UCL% J detects <10% R NDs, J-detects	All LCS recoveries within MPC limits. No samples qualified.	X	-	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED Narrative (samples listed on attached sheets)	Inve n-tory	QUAL	BIAS
LCS/LCSD	LCS/LCSD RPD <20%	LCS/LCSD RPD within MPC. Laboratory precision is acceptable. No samples qualified.	X	-	
MS/MSD Recovery	1) Within historical laboratory limits (QAPP) (if MS > 4X native levels) Qualification of MS sample: <10% J detects, R NDs >10% and <70% J detects, UJ -NDs >130% J detects	MS/MSD analyzed with SDG ONFFA for native sample AH11708. The spike is within MPC for the MSD. The spike is not reported for the MS due to matrix interference. The spike is not greater than 4X the DRO level in the sample. No apparent matrix bias. No samples qualified.		-	
MS/MSD RPD	MS/MSD RPD <20%	MS/MSD RPD not evaluated as the MS %R was not reported due to matrix interference. The spike was not greater than 4X the DRO level in the sample. Laboratory precision determined by the LCS/LCSD		-	
Cleanup Performance Check (if performed)	%R< 10% NDs-R detections J %R>10% <LCL (80%GPC) –detections J, NDs UJ %R>UCL (120%) – detections J Retention Time shift <5%, symmetrical peakshape. GPC check with interferants. Good surrogate recovery, GPC blank check – no carryover.(VOA/SV-IX-I6). Sulfur and High MW compounds removed. Symetrical peaks for all compounds,	NA	-	-	
Field Dup RPD	1) RPD = 100% water; = 100% soil for Results > PQL (FD pair only) J-detects (both > PQL) 2) If one > PQL, other ND, J-detections, UJ non-detect Other conditions use judgement	Field sample: AH11800 Field Duplicate: AH11801 Sample results in the field sample and in the field duplicate sample were non-detect. Overall sampling and analysis precision are acceptable.	X	-	
Initial Cal (Linearity)	Correct calibration stds 1) COD>0.99 or %RSD<20%	Instrument ID: Not provided. Dates: 3/25/05. COD > 0.99. Calibration acceptable. No samples qualified based on ICAL.	X	-	
2nd Source ICV	%D ≤ 20%, (+ or -) once per 5 pt cal Qualification: J detects, R or UJ NDs	Instrument ID: Not provided. %D within MPC limits. No samples qualified.	X		
CCV	CCV %D<20%	Instrument ID: Not provided. %D within MPC limits for DRO. No samples qualified.	X	-	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED Narrative (samples listed on attached sheets)	Inve n-tory	QUAL	BIAS
Resolution Stanard/Low-level recovery	1) 60-140%	Within limits.	X	-	
Compound Quantitation	2) Check sensitivity (MDL< 1/3 PQL or per QAPP)	Sample required dilution (5X).	X	-	
Overall Evaluation of Data	1) Appropriate method 2) Evaluate any analytical problems 3) Evaluate sampling errors – field contamination, sample hold times	Laboratory Error Evaluation: The laboratory accuracy and precision are acceptable and no apparent sample matrix bias. Results are usable for making project decisions. Method blank – non-detect for DRO's. No sample qualifications due to MS/MSD recoveries as spikes < 4X native levels. MS/MSD analyzed with SDG ONFFA. Resolution Check within limits. ICAL; linear. ICV: confirms ICAL. CCV: within MPC limits. Sampling Error Evaluation: Field Duplicate: Field sample: AH11800 Field Duplicate: AH11801 Sample results in the field sample and in the fie ld duplicate sample were non-detect. Overall sampling and analysis precision are acceptable.	X	-	

*Tier III criteria.

Completeness Check: Inventory Check Sheet_____X__ Sample Quantitation Calculations (TIER III ONLY):

ECC Region I Data Review Worksheet (rv 3) **VOCs 5030B/5035/8260B**
Project: NAS Brunswick ONFF ECC Job No. 5700 **Review Criteria: ONFF GWM Plan & USEPA Region I Tier II Guidance**

Data Validation Level	Matrix	Preservation	Temp Sample Receipt	Laboratory	SDG Number
Tier II	Aqueous	HCl	1 cooler – Temp (°C): 4.0	Northeast Laboratory Waterville, ME	Lab SDG# ONFFB

Field Identification and Laboratory Number of Samples Evaluated:

Field ID	Lab Sample Number
MW-703	AH11799
MW-701	AH11800
MW-NASB-DUP1	AH11801
ONFF-QT-2	AH11802
MW-NASB-051	AH11803

Note: Samples are described below in the data worksheets by reference to the Lab Sample Number.

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED/Rationale	Inven-tory	QUAL	BIAS
COC	1)Unbroken custody (accept or if broken R) 2) Temp≤6° (Soil-J detects, R -nondetects preserved per method (amber bottles, temperature, HCl (aq), MeOH/NAHSO4 (soils) (J, UJ, or R (function of HT and compound)	Cooler temperatures < 6 °C. Sample preservation adequate. Sample custody transferred from Field Team Leader to lab sample courier. Unbroken Chain of Custody. No samples qualified.	X		
Holding Time	1) 14 Days to analysis, if preserved 2) J –detects, UJ or R –nondetects (function of time) 3) *transcription errors	All samples analyzed within holding time. No samples qualified.	X	-	
% Solids Check (SOLIDS)	30%<Solids: if no sample weight adjustment made. 1) <10% R entire sample 2) 10%.> and <30%; J-detects, NDs -R	Not applicable	X	-	
Lab Blanks (method blanks)	1) < 5x (<10x common) contaminants for aq samples- 2) <10X common contaminants – acetone, 2-butanone or Mecl. 1) TGT analytes <Lab QL 2) if linear range is exceeded, verify if a instrument blank was performed 3) *verify accurate transcription of times, Ids, are reported on forms 4) *verify from the raw data if the instrument blank was performed in the same vessel 5) *verify IS, RRT, and surrogate %R *check 10% of raw chromatograms for false +/-, check for transcription errors	Method blank non-detect for project COCs.	X	-	
Trip Blank	1) < 5x (<10x common) contaminants for aq samples- 2) TGT analytes <Lab QL (contact lab) -for soils indicate cross matrix TB (X rules apply to raw data) 4) MeCl & Acetone < 5 5) >RL report sample level U 6) <RL report PQL as U	AH11802 was non-detect for all VOCs. No samples qualified.	X	-	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED/Rationale	Inven-tory	QUAL	BIAS
Equip Blank	1) < 5x (<10x common) contaminants for aq samples- 2) TGT analytes <Lab QL (contact lab) -for soils indicate TB (X rules don't apply) 3) MeCl & Acetone < 5 *Check IS area (10% of them) * recalculate surrogate (%R – 10 % of them)	Not collected/analyzed with this SDG	-	-	
Results > Cal Range or <Cal Range	6) >Upper Cal Range J-detects - ensure instrument blank performed 7) <PQL but >MDL – J –detects (estimated) listed on data summary sheet.	All results were non-detect.	X	-	
*TICs (if reported)	1) *verify library search for samples and blanks 2) verify TICs were not misreported compounds (different fraction or miss in search) 3) All TICs – J estimated 4) * verify blanks do not contain TIC peaks 5) * check TIC assignment spectra to STD spectra 6) *review blank and Samples for common lab contaminants	None Reported/not evaluated	-	-	
Surrogates	1,2-Dichloroethane-d4 65-135% Dibromofluoromethane 75-129% Toluene-d8 82%-120% 4-BFB 69%-125% *check raw data for surrogated (recalculate 10% of them). *Transcription errors Qualification: >UCL J –detects, %R<10% J –detects, R –Nods, %R >10% but <70% J-detects, UJ NDs	All reported surrogates within MPC. No samples qualified.	X	-	
LCS Recovery	1) Attachment A-2 of LTMP 2) All VOCs 60-140% 3) 10% and <LCL% J detects, UJ –Nods 4) >UCL% J detects <10% R NDs, J-detects 7) *Recalculate the concentrations for one compound in the LCS 8) * Recalculate the %R (within 10% of lab) Note: Tier guidance as a zero blind	All LCS recoveries are within MPC. No samples qualified.	X	-	
LCS/LCSD	1) LCS/LCSD RPD<20%	All RPDs are less than MPC. Laboratory precision is acceptable.	X	-	
MS/MSD Recovery	2) Attachment A-2 of LTMP 3) 60-140% for all VOCs (if MS > 4X native levels) Qualification of MS sample: <10% J detects, R NDs >10% and <LCL% J detects, UJ -NDs >UCL% J detects 3) *Recalculate the concentrations for one compound in the MS/MSD * Recalculate the %R (within 10% of lab)	Not analyzed/collected with this SDG. Project specific MS/MSd analyzed with SDG ONFFA. ONFFA MS/MSD indicated no apparent matrix bias.	-	-	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED/Rationale	Inven-tory	QUAL	BIAS
*MS/MSD/unspike sample RSD	1)For unspiked compounds if reported, Non- MS spike compounds <50% RSD calculated from MS/MSD/Unspiked Qualification: >50% RSD J-detects 2)*recalculate the RPD (within 10% of lab)	NA	-	-	
MS/MSD RPD	RPD =20% (aq/S) (when MS >QL) J – detects in MS sample UJ-non detects * recalculate RPD	-	-	-	
Field Dup RPD	1) RPD = 30% aq. = 50 soil for Results > PQL (FD pair only) J-detects (both > PQL) 2) Note: FD RPD not specified in QAPP. 30% will be used as the MPC, to be consistent with other NASB QAPPs. 3) If one >PQL, other ND, J-detections, UJ non-detect 4) Other conditions use judgement 5) Determine RPD for detects only. *Recalculate the concentrations for one compound and the PQL	Field sample AH11800 Field Duplicate AH11799 All FD and field sample results were non-detect. FD RPD not calculated. Similar results in both samples (non-detects). Overall sampling and analysis precision is acceptable.	X	-	
*MDL Study	1) *In accordance with 40CFR – seven replicates %RSD < 20% 2) * IS and retention times within method requirements 6) * performed annually 7) *MDL is at least ½ of PQL 8) *tgt and surrogate 80-120% R *VOA/SV-X11 (recalcuate %RSD and %R for three compounds (10% of them).	NA	-	-	
Internal Stds	1) IS are –50% to 200% of last Ical, or CCV 3) RRT<0.06 (30 sec) 4) IS>100% J-detects 5) IS<20%CCV NDs – R 6) IS>20%CCV <50%CCV NDs – UJ 7) *check for IS transcription errors 8) FBZ = fluroobenzene 9) CBZ = chlorobenzene-d5 10) DCB = 1,4 dichlorobenzene-d4	All IS are within MPC. No samples qualified	X	-	
Sensitivity	1) MDL study – 7 replicates (40 CFR) 2) Surrogates %in control limits. 4) %R <10 ND- (R) , J- detects 5) 10%> but <LCL% , judgement 6) %R>UCL% J-detects 5) QC, IS, RRT meet criteria, 6) %RSD < 20% 7) MDL< MQL (3x less ideal) 8) Lab fortitied blank (see VOA/SV Part II –section X). 9) *Check and recalculate %RSDs and %R for three compounds (with 10% of lab) <u>Dilution factors for samples – impacts to sensitivity</u>	BTEX & MTBE – the VOC's of concern. MRLs for benzene & MTBE are 1 µg/L.	X	-	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED/Rationale	Inven-tory	QUAL	BIAS
*Compound Quantitation (completed as part of other steps)	1) Check sensitivy (MDL< 1/3 PQL) 2) *Recalculate one detection and quantitation limit 3) *verify concentrations have been adjusted to account for DW, DF, 4) *verifiy correct IS and RRF were used	NA	-	-	
*System Performance	1)* evaluate PES, MS//MSD, cal STDs, MDS study, and surrogates for systemic bias – high or low and access system accuracy 8) *Matrix effects- MS/MSD, surrogated, PDS. 9) *System chromatography- evaluate RRTs, peaks shapes, system impacts on data, baseline shifts. 10) *overall system contamination-review all blanks for systemic or sporadic contamination	NA	-	-	
*TGT Compound Identification	1) *Within 0.06 (30 sec) of CCV RRT 2) * compare sample Mass spectra to standard spectra; a) all ions in std spectra (with 10% rel intensity) presnent in sample spectra. B) sample ion abundance within 20% of standard spectra. 3) *chromatogram: all peaks greater than 10% of nearest IS identified.	NA	-	-	
Single Blind PE	1) Qualify associated samples in PES batch PES = ND, Detects J – ND PE analytes in samples, NDs – R 11) PES > acceptance criteria – Detects in samples J, 12) PES<acceptance criteria – Detects J, NDs –R 13) VOA/SV-XI14 other criteria 14) *% of PES sample above and below criteria *Recalculate concentrations for one tgt compound per PES (10% of lab)	NA	-	-	
Tune check	1) ion abundance with method limits 2) *check for co-elution /proper background subtraction 3) *compare reported data to raw data	All tunes passed method criteria. No samples qualified.	X	-	
Initial Cal Multipoint (instrument evaluation)	1) correct calibration stds 2) within 12 hours of the tune check 3) CCCs %RSD: <30% (1,1 DCA, chloroform, 1,2dichloropropane, Toluene, EB, VC (J –detects, R or UJ NDs all samples associated with Ical) 4) SPCCs Average RRF: SPCCs Chloromethane >0.10, 1,1 DCA>0.10, bromoform >0.10, chlorobenzene>0.3, 1122TCA>0.3 (J –detects, R NDs) 5) RRF>0.05 all compounds 6) RRT < 0.06 units (all stds within 30 sec) 7) %RSD<15% for all non-CCCs or COD>0.99 *8) RRF exclusions: surrogates, acetone, MeCL, chloroethane/methane, CS, 1,/22/03 2-butanone, 1,2*	Instrument MS1 Oct 7, 2005, 2005. RF, SPCC, and CCC are within method limits. No samples qualified.	X	-	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED/Rationale	Inven-tory	QUAL	BIAS
	dichloropropane, 2-hexanone (IV-8).] 9) *verify that instrument parameters met method and that Ical and analysis used the same parameters 10) *recalculate RRF one tgt compound associated with each IS. Recalculated values within 10% of lab values. 11) *recalculate one tgt compound associated with each IS. Recalculated values within 10% 12) *option-review preparation logs to ensure cal stds are traceable to NIST stds. 13) *option-recalculate cal std concentration of one std. Must agree within 10% of lab (option if information is in data package)				
Initial Cal (Linearity)	%RSD < 15% use average RF for calibration %RSD> 15% use least squares COD (r2) > 0.990 or correlation coefficient r> 0.995 Qualification for compounds with : %RSD>30% and RRF>0.05 – J detects, UJ – NDs, %RSD<30% and RRF<0.05; -J detects, R – ND, %RSD>30% and RRF<0.05: J detects, R - ND (see VOA/SVIII-4)	Instrument MS1 Oct 7, 2005, 2005. All compounds have linear calibration curves. No samples qualified.	X	-.	
2nd Source ICV	QC check or criteria not specified in QAPP. %D<25% or %R (between ICV and Ical) analytes 80%--120% (+ or -) once per 5 pt cal used to evaluate data sets. Qualification: J detects, R or UJ NDs	Second source LCS used for ICV. LCS recoveries were within MPC.	X		
CCV	1) SPCCs Average RRF: SPCCs Chloromethane >0.10, 1,1 DCA>0.10, bromoform >0.10, chlorobenzene>0.3, 1122TCA>0.3 2) RRF all compounds > 0.05 3) CCC: (1,1 DCA, chloroform, 1,2dichloropropane, Toluene, EB, VC) %D<20% (or all analytes if no CCCs reported). 4) Qualification-J detects, R or UJ NDs 5) *verify same instrument and parameters 6) *Recalculate RRF for one tgt cmpd associated with each IS. (within 10%) 7) *Recalculate %D for one tgt cmpd associated with each IS (within 10%) 8) *IS RRT<0.06 units (30 sec) 9) * IS area -50 % to 100 % of last ICAL 10) *option-review preparation logs to ensure cal stds are traceable to NIST stds. 11) *option-recalculate cal std concentration of one std. Must agree within 10% of lab (option if information is in data package)	Instrument MSI All project COCs are within MPC. No samples qualified.	X		

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED/Rationale	Inven-tory	QUAL	BIAS
Overall Evaluation of Data	1) Appropriate method 2) Evaluate any analytical problems 3) Evaluate sampling errors – field contamination, sample hold times	Laboratory Error Evaluation; Laboratory precision and accuracy acceptable. No apparent sample bias, as evaluated by MS/MSD analysis presented in SDG ONFFB. Sample results are usable for making project decisions, as qualified. ICAL; within MPC limits for all VOC's of concern . ICV: within MPC limits. CCV: within MPC limits. Sampling error – Tripblank was non-detect for all VOCs. No apparent cross contamination. Field sample AH11800 Field Duplicate AH11799 All FD and field sample results were non-detect. FD RPD not calculated. Similar results in both samples (non-detects). Overall sampling and analysis precision is acceptable.	X	-	

* Tier III review items only.

Completeness Check: Inventory Check Sheet_____X__. Sample Quantitation Calculations (TIER III only):

Lab correspondence: None.

ECC Region I Data Review Worksheet **Ferrous SM3500 Fe D**
Project: Brunswick Site ONFF Job No. 5700 **TIER I**

Data Validation Level	Matrix	Preservation	Temperature Sample Receipt	Laboratory	SDG Number
Tier I	Aqueous	-	1 cooler – Temp (°C): 4.0	Northeast Laboratory Waterville, ME	Lab SDG# ONFFB

Field Identification of Samples Evaluated:

Field ID	Lab Sample Number
MW-703	AH11799
MW-701	AH11800
MW-NASB-DUP1	AH11801
MW-NASB-051	AH11803

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED/Narrative Evaluation	Inventory
COC	1)Unbroken custody (accept or if broken R) 2) Temp≤6° (Soil-J detects, R -nondetects 3) preserved per method (amber bottles, temperature. J, UJ, or R (function of HT and compound)	Cooler temperatures < 6 °C. Sample preservation adequate. Sample custody transferred from Field Team Leader to lab sample courier. Unbroken Chain of Custody. Sample preservation within limits. No samples qualified.	X
Holding Time	1) 24 hours 2) J –detects, UJ or R –nondetects (function of time). Sample not qualified for a Tier I review.	All samples analyzed within holding time. No samples qualified.	X
Results > Cal Range or <Cal Range	1) >Upper Cal Range J-detects - ensure instrument blank performed 2) <PQL but >MDL – J –detects (estimated)	none	X
Results	1) Results are provided by laboratory	provided	X
Calibration	1) calibration information provided, as per method SOP	provided	X
Accuracy Check	1) accuracy information provided, as per method SOP	Provided	X

Completeness Check: Inventory Check Sheet_____X__

ECC Region I Data Review Worksheet **Alkalinity EPA310.1**
Project: Brunswick Site ONFF Job No. 5700 **TIER I**

Data Validation Level	Matrix	Preservation	Temperature Sample Receipt	Laboratory	SDG Number
Tier I	Aqueous	-	1 cooler – Temp (°C): 4.0	Northeast Laboratory Waterville, ME	Lab SDG# ONFFB

Field Identification of Samples Evaluated:

Field ID	Lab Sample Number
MW-703	AH11799
MW-701	AH11800
MW-NASB-DUP1	AH11801
MW-NASB-051	AH11803

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED/Narrative Evaluation	Inventory
COC	1)Unbroken custody (accept or if broken R) 2) Temp≤6° (Soil-J detects, R -nondetects 3) preserved per method (amber bottles, temperature. J, UJ, or R (function of HT and compound)	Cooler temperatures < 6 °C. Sample preservation adequate. Sample custody transferred from Field Team Leader to lab sample courier. Unbroken Chain of Custody. Sample preservation within limits. No samples qualified.	X
Holding Time	1) J –detects, UJ or R –nondetects (function of time). Sample not qualified for a Tier I review.	All samples analyzed within holding time. No samples qualified.	X
Results > Cal Range or <Cal Range	1) >Upper Cal Range J-detects - ensure instrument blank performed 2) <PQL but >MDL – J –detects (estimated)	none	X
Results	1) Results are provided by laboratory	provided	X
Calibration	1) calibration information provided, as per method SOP	provided	X
Accuracy Check	1) accuracy information provided, as per method SOP	Provided	X

Completeness Check: Inventory Check Sheet____X__

ECC Region I Data Review Worksheet **Nitrate/Sulfate EPA 300**
Project: Brunswick Site ONFF Job No. 5700 **TIER I**

Data Validation Level	Matrix	Preservation	Temperature Sample Receipt	Laboratory	SDG Number
Tier I	Aqueous	-	1 cooler – Temp (°C): 4.0	Northeast Laboratory Waterville, ME	Lab SDG# ONFFB

Field Identification of Samples Evaluated:

Field ID	Lab Sample Number
MW-703	AH11799
MW-701	AH11800
MW-NASB-DUP1	AH11801
MW-NASB-051	AH11803

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED/Narrative Evaluation	Inventory
COC	1)Unbroken custody (accept or if broken R) 2) Temp≤6° (Soil-J detects, R -nondetects 3) preserved per method (amber bottles, temperature. J, UJ, or R (function of HT and compound)	Cooler temperatures < 6 °C. Sample preservation adequate. Sample custody transferred from Field Team Leader to lab sample courier. Unbroken Chain of Custody. Sample preservation within limits. No samples qualified.	X
Holding Time	1) 48 hours nitrate & 28 days sulfate 2) J –detects, UJ or R –nondetects (function of time). Sample not qualified for a Tier I review.	All samples analyzed within holding time. No samples qualified. Incorrect hold times on EDDs	X
Results > Cal Range or <Cal Range	1) >Upper Cal Range J-detects - ensure instrument blank performed 2) <PQL but >MDL – J –detects (estimated)	none	X
Results	1) Results are provided by laboratory	provided	X
Calibration	1) calibration information provided, as per method SOP	provided	X
Accuracy Check	1) accuracy information provided, as per method SOP	Provided	X

Completeness Check: Inventory Check Sheet_____X__

ECC Region I Data Review Worksheet (rv 3) **VOCs 5030B/5035/8260B**
Project: NAS Brunswick ONFF ECC Job No. 5700 **Review Criteria: ONFF GWM Plan & USEPA Region I Tier II Guidance**

Data Validation Level	Matrix	Preservation	Temp Sample Receipt	Laboratory	SDG Number
Tier II	Aqueous	HCl	1 cooler – Temp (°C): 4.0	Northeast Laboratory Waterville, ME	Lab SDG# ONFFB

Field Identification and Laboratory Number of Samples Evaluated:

Field ID	Lab Sample Number
MW-703	AH11799
MW-701	AH11800
MW-NASB-DUP1	AH11801
ONFF-QT-2	AH11802
MW-NASB-051	AH11803

Note: Samples are described below in the data worksheets by reference to the Lab Sample Number.

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED/Rationale	Inventory	QUAL	BIAS
COC	1)Unbroken custody (accept or if broken R) 2) Temp≤6° (Soil-J detects, R -nondetects preserved per method (amber bottles, temperature, HCl (aq), MeOH/NAHSO4 (soils) (J, UJ, or R (function of HT and compound)	Cooler temperatures < 6 °C. Sample preservation adequate. Sample custody transferred from Field Team Leader to lab sample courier. Unbroken Chain of Custody. No samples qualified.	X		
Holding Time	1) 14 Days to analysis, if preserved 2) J –detects, UJ or R –nondetects (function of time) 3) *transcription errors	All samples analyzed within holding time. No samples qualified.	X	-	
% Solids Check (SOLIDS)	30%<Solids: if no sample weight adjustment made. 1) <10% R entire sample 2) 10%.> and <30%; J-detects, NDs -R	Not applicable	X	-	
Lab Blanks (method blanks)	1) < 5x (<10x common) contaminants for aq samples- 2) <10X common contaminants – acetone, 2-butanone or Mecl. 1) TGT analytes <Lab QL 2) if linear range is exceeded, verify if a instrument blank was performed 3) *verify accurate transcription of times, Ids, are reported on forms 4) *verify from the raw data if the instrument blank was performed in the same vessel 5) *verify IS, RRT, and surrogate %R *check 10% of raw chromatograms for false +/-, check for transcription errors	Method blank non-detect for project COCs.	X	-	
Trip Blank	1) < 5x (<10x common) contaminants for aq samples- 2) TGT analytes <Lab QL (contact lab) -for soils indicate cross matrix TB (X rules apply to raw data) 4) MeCl & Acetone < 5 5) >RL report sample level U 6) <RL report PQL as U	AH11802 was non-detect for all VOCs. No samples qualified.	X	-	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED/Rationale	Inven-tory	QUAL	BIAS
Equip Blank	1) < 5x (<10x common) contaminants for aq samples- 2) TGT analytes <Lab QL (contact lab) -for soils indicate TB (X rules don't apply) 3) MeCl & Acetone < 5 *Check IS area (10% of them) * recalculate surrogate (%R – 10 % of them)	Not collected/analyzed with this SDG	-	-	
Results > Cal Range or <Cal Range	6) >Upper Cal Range J-detects - ensure instrument blank performed 7) <PQL but >MDL – J –detects (estimated) listed on data summary sheet.	All results were non-detect.	X	-	
*TICs (if reported)	1) *verify library search for samples and blanks 2) verify TICs were not misreported compounds (different fraction or miss in search) 3) All TICs – J estimated 4) * verify blanks do not contain TIC peaks 5) * check TIC assignment spectra to STD spectra 6) *review blank and Samples for common lab contaminants	None Reported/not evaluated	-	-	
Surrogates	1,2-Dichloroethane-d4 65-135% Dibromofluoromethane 75-129% Toluene-d8 82%-120% 4-BFB 69%-125% *check raw data for surrogated (recalculate 10% of them). *Transcription errors Qualification: >UCL J –detects, %R<10% J –detects, R –Nods, %R >10% but <70% J-detects, UJ NDs	All reported surrogates within MPC. No samples qualified.	X	-	
LCS Recovery	1) Attachment A-2 of LTMP 2) All VOCs 60-140% 3) 10% and <LCL% J detects, UJ –Nods 4) >UCL% J detects <10% R NDs, J-detects 7) *Recalculate the concentrations for one compound in the LCS 8) * Recalculate the %R (within 10% of lab) Note: Tier guidance as a zero blind	All LCS recoveries are within MPC. No samples qualified.	X	-	
LCS/LCSD	1) LCS/LCSD RPD<20%	All RPDs are less than MPC. Laboratory precision is acceptable.	X	-	
MS/MSD Recovery	2) Attachment A-2 of LTMP 3) 60-140% for all VOCs (if MS > 4X native levels) Qualification of MS sample: <10% J detects, R NDs >10% and <LCL% J detects, UJ -NDs >UCL% J detects 3) *Recalculate the concentrations for one compound in the MS/MSD * Recalculate the %R (within 10% of lab)	Not analyzed/collected with this SDG. Project specific MS/MSd analyzed with SDG ONFFA. ONFFA MS/MSD indicated no apparent matrix bias.	-	-	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED/Rationale	Inven-tory	QUAL	BIAS
*MS/MSD/unspike sample RSD	1)For unspiked compounds if reported, Non- MS spike compounds <50% RSD calculated from MS/MSD/Unspiked Qualification: >50% RSD J-detects 2)*recalculate the RPD (within 10% of lab)	NA	-	-	
MS/MSD RPD	RPD =20% (aq/S) (when MS >QL) J – detects in MS sample UJ-non detects * recalculate RPD	-	-	-	
Field Dup RPD	1) RPD = 30% aq. = 50 soil for Results > PQL (FD pair only) J-detects (both > PQL) 2) Note: FD RPD not specified in QAPP. 30% will be used as the MPC, to be consistent with other NASB QAPPs. 3) If one >PQL, other ND, J-detections, UJ non-detect 4) Other conditions use judgement 5) Determine RPD for detects only. *Recalculate the concentrations for one compound and the PQL	Field sample AH11800 Field Duplicate AH11799 All FD and field sample results were non-detect. FD RPD not calculated. Similar results in both samples (non-detects). Overall sampling and analysis precision is acceptable.	X	-	
*MDL Study	1) *In accordance with 40CFR – seven replicates %RSD < 20% 2) * IS and retention times within method requirements 6) * performed annually 7) *MDL is at least ½ of PQL 8) *tgt and surrogate 80-120% R *VOA/SV-X11 (recalcuate %RSD and %R for three compounds (10% of them).	NA	-	-	
Internal Stds	1) IS are –50% to 200% of last Ical, or CCV 3) RRT<0.06 (30 sec) 4) IS>100% J-detects 5) IS<20%CCV NDs – R 6) IS>20%CCV <50%CCV NDs – UJ 7) *check for IS transcription errors 8) FBZ = fluroobenzene 9) CBZ = chlorobenzene-d5 10) DCB = 1,4 dichlorobenzene-d4	All IS are within MPC. No samples qualified	X	-	
Sensitivity	1) MDL study – 7 replicates (40 CFR) 2) Surrogates %in control limits. 4) %R <10 ND- (R) , J- detects 5) 10%> but <LCL% , judgement 6) %R>UCL% J-detects 5) QC, IS, RRT meet criteria, 6) %RSD < 20% 7) MDL< MQL (3x less ideal) 8) Lab fortitied blank (see VOA/SV Part II –section X). 9) *Check and recalculate %RSDs and %R for three compounds (with 10% of lab) <u>Dilution factors for samples – impacts to sensitivity</u>	BTEX & MTBE – the VOC's of concern. MRLs for benzene & MTBE are 1 µg/L.	X	-	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED/Rationale	Inven-tory	QUAL	BIAS
*Compound Quantitation (completed as part of other steps)	1) Check sensitivy (MDL< 1/3 PQL) 2) *Recalculate one detection and quantitation limit 3) *verify concentrations have been adjusted to account for DW, DF, 4) *verifiy correct IS and RRF were used	NA	-	-	
*System Performance	1)* evaluate PES, MS//MSD, cal STDs, MDS study, and surrogates for systemic bias – high or low and access system accuracy 8) *Matrix effects- MS/MSD, surrogated, PDS. 9) *System chromatography- evaluate RRTs, peaks shapes, system impacts on data, baseline shifts. 10) *overall system contamination-review all blanks for systemic or sporadic contamination	NA	-	-	
*TGT Compound Identification	1) *Within 0.06 (30 sec) of CCV RRT 2) * compare sample Mass spectra to standard spectra; a) all ions in std spectra (with 10% rel intensity) presnent in sample spectra. B) sample ion abundance within 20% of standard spectra. 3) *chromatogram: all peaks greater than 10% of nearest IS identified.	NA	-	-	
Single Blind PE	1) Qualify associated samples in PES batch PES = ND, Detects J – ND PE analytes in samples, NDs – R 11) PES > acceptance criteria – Detects in samples J, 12) PES<acceptance criteria – Detects J, NDs –R 13) VOA/SV-XI14 other criteria 14) *% of PES sample above and below criteria *Recalculate concentrations for one tgt compound per PES (10% of lab)	NA	-	-	
Tune check	1) ion abundance with method limits 2) *check for co-elution /proper background subtraction 3) *compare reported data to raw data	All tunes passed method criteria. No samples qualified.	X	-	
Initial Cal Multipoint (instrument evaluation)	1) correct calibration stds 2) within 12 hours of the tune check 3) CCCs %RSD: <30% (1,1 DCA, chloroform, 1,2dichloropropane, Toluene, EB, VC (J –detects, R or UJ NDs all samples associated with Ical) 4) SPCCs Average RRF: SPCCs Chloromethane >0.10, 1,1 DCA>0.10, bromoform >0.10, chlorobenzene>0.3, 1122TCA>0.3 (J –detects, R NDs) 5) RRF>0.05 all compounds 6) RRT < 0.06 units (all stds within 30 sec) 7) %RSD<15% for all non-CCCs or COD>0.99 *8) RRF exclusions: surrogates, acetone, MeCL, chloroethane/methane, CS, 1,/22/03 2-butanone, 1,2*	Instrument MS1 Oct 7, 2005, 2005. RF, SPCC, and CCC are within method limits. No samples qualified.	X	-	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED/Rationale	Inven-tory	QUAL	BIAS
	dichloropropane, 2-hexanone (IV-8).] 9) *verify that instrument parameters met method and that Ical and analysis used the same parameters 10) *recalculate RRF one tgt compound associated with each IS. Recalculated values within 10% of lab values. 11) *recalculate one tgt compound associated with each IS. Recalculated values within 10% 12) *option-review preparation logs to ensure cal stds are traceable to NIST stds. 13) *option-recalculate cal std concentration of one std. Must agree within 10% of lab (option if information is in data package)				
Initial Cal (Linearity)	%RSD < 15% use average RF for calibration %RSD> 15% use least squares COD (r2) > 0.990 or correlation coefficient r> 0.995 Qualification for compounds with : %RSD>30% and RRF>0.05 – J detects, UJ – NDs, %RSD<30% and RRF<0.05; -J detects, R – ND, %RSD>30% and RRF<0.05: J detects, R - ND (see VOA/SVIII-4)	Instrument MS1 Oct 7, 2005, 2005. All compounds have linear calibration curves. No samples qualified.	X	-.	
2nd Source ICV	QC check or criteria not specified in QAPP. %D<25% or %R (between ICV and Ical) analytes 80%--120% (+ or -) once per 5 pt cal used to evaluate data sets. Qualification: J detects, R or UJ NDs	Second source LCS used for ICV. LCS recoveries were within MPC.	X		
CCV	1) SPCCs Average RRF: SPCCs Chloromethane >0.10, 1,1 DCA>0.10, bromoform >0.10, chlorobenzene>0.3, 1122TCA>0.3 2) RRF all compounds > 0.05 3) CCC: (1,1 DCA, chloroform, 1,2dichloropropane, Toluene, EB, VC) %D<20% (or all analytes if no CCCs reported). 4) Qualification-J detects, R or UJ NDs 5) *verify same instrument and parameters 6) *Recalculate RRF for one tgt cmpd associated with each IS. (within 10%) 7) *Recalculate %D for one tgt cmpd associated with each IS (within 10%) 8) *IS RRT<0.06 units (30 sec) 9) * IS area -50 % to 100 % of last ICAL 10) *option-review preparation logs to ensure cal stds are traceable to NIST stds. 11) *option-recalculate cal std concentration of one std. Must agree within 10% of lab (option if information is in data package)	Instrument MSI All project COCs are within MPC. No samples qualified.	X		

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED/Rationale	Inven-tory	QUAL	BIAS
Overall Evaluation of Data	1) Appropriate method 2) Evaluate any analytical problems 3) Evaluate sampling errors – field contamination, sample hold times	Laboratory Error Evaluation; Laboratory precision and accuracy acceptable. No apparent sample bias, as evaluated by MS/MSD analysis presented in SDG ONFFB. Sample results are usable for making project decisions, as qualified. ICAL; within MPC limits for all VOC's of concern . ICV: within MPC limits. CCV: within MPC limits. Sampling error – Tripblank was non-detect for all VOCs. No apparent cross contamination. Field sample AH11800 Field Duplicate AH11799 All FD and field sample results were non-detect. FD RPD not calculated. Similar results in both samples (non-detects). Overall sampling and analysis precision is acceptable.	X	-	

* Tier III review items only.

Completeness Check: Inventory Check Sheet_____X__. Sample Quantitation Calculations (TIER III only):

Lab correspondence: None.

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CHAIN OF CUSTODY RECORD

Company Name: ECC
Reporting Address:
Client Contact: Darren Gainer Phone Fax
Billing Name:
Billing Address:

PO #:
Quote #
Project Name: NASB ONFF
Lab Comments:

Sample Designation	Sample Date/Time	Preservation: 1 H_2SO_4, 2=HNO_3, 3=HCL, 4=NaOH, 5=Thio, 6=4°C, 7=None	Container Size, Type	QTY	Sample Type Code: G = Grab C = Composite	Matrix Code Choose One: GW = Ground Water WW = Waste Water DW = Drinking Water SW = Surface Water O = Oil WP = Wipe S = Soil F = Food Other (Please List)	Analyses Requested	Lab Sample ID
ONFF-QT2 continued	10/4/05 1200	3	40ML	2	G	Trip	GRO	
		3	40ML	3	G	Trip	CH4	
~~ONF~~ MW-NASB-051	10/4/05 1445	3	40ML	3	G	GW	VOC	AH11803
		3	40ML	3	G	GW	CH4	
		3	1L Amb	3	G	GW	DRO	
		3	500ml poly	1	G	GW	FE II	
		7	500ML poly	1	G	GW	SO4, NO3, Alk	
		1	250ML amb	1	G	GW	TOC	

Notes: Associated w/ ~~MW-NAS~~ ONFF-QT2

Sampled By: Mark Carver
Known hazards associated with samples:

Relinquished By	Date/Time	Received By	Date/Time	pH
Mark C.	10/4/05 1530		10/4/05 1530	
	10/4/05 1650		10/4/05 5:30PM	Rush Yes: 5 days 50% surcharge; 2 days 100% surcharge
				Field Filtered Y / N

The recommended temperature of the internal container is 2-6°C. Do you authorize analysis if the temp is out of range? 4.0°
Yes No

Chain of Custody must be filled out completely. This includes signature, sample description, analysis requested, date and time sampled.

If not completed, samples will be rejected.

If a sample is hazardous or radioactive, the sample will be returned to the client at the client's expense.
Standard turn-around-time is 10 business days - depending on season.

0325

Rev. 8/04 Form #NEL 100

DATA VALIDATION MEMORANDUM
NAS BRUNSWICK SITE OLD NAVY FUEL FARM
SAMPLE DATA GROUP ONFFC
OCTOBER 2005 SAMPLING ROUND 11

TO: ENGINEERING FACILITY COMMAND NORTHEAST

FROM: JACKSON KIKER, ECC SENIOR CHEMIST, MARLBOROUGH, MA

SUBJECT: NAS BRUNSWICK SITE OLD NAVY FUEL FARM MONITORING EVENT 11

DATE: DECEMBER 6, 2005

Project data were validated using the following Validation Functional Guidelines, as modified for non-CLP methods and project-specific QAPP measurement performance criteria (MPC):

1. Region I, EPA-NE Data Validation Functional Guidelines for Evaluation of Environmental Analyses (Dec, 1996),

2. National Functional Guidelines for Evaluation Inorganic Analysis (1988), and

3. National Functional Guidelines for Evaluation Organic Analysis (October 1999).

The data were assessed against the MPC listed in the approved Site 1& 3 and Eastern Plume LTMP QAPP (May 2000). The QAPP MPC and validation guideline exceedences are assessed and documented on the method/QAPP specific data validation worksheets. On these data validation worksheets the data quality acceptance criteria are presented, analytes requiring qualification based on MPC and/or validation guidance criteria exceedences are listed, assigned qualifiers, qualifying rationale is documented, and any potential bias noted. The overall evaluation of the data generated by a method is presented in the data validation worksheet.

Standard EPA Region I data qualifiers are used to denote the assessment of data quality. The final and ranking assigned data qualifier for an analyte is presented in the data summary table. Ancillary qualifiers are noted on the data validation worksheets.

The USEPA Region I Organic Regional Data Assessment (ORDA) sheet displays the summarized results of the data validation assessment for all analytical methods reported in the SDG.

ACRONYMS AND ABBREVIATIONS

Following is a list of acronyms and abbreviations that may be used in the data validation reports.

Acronym or Abbreviation	Definition
%D	Percent difference
%R	Percent recovery
%M	Percent moisture
%S	Percent solids
Ug/L	Microgram per liter
BD	Breakdown
BEHP	2-bis(ethylhexyl)phthalate
BFB	Bromofluorobenzene
CCB	Continuing calibration Blank
CCC	Continuing Check Compound
CCV	Continuing Calibration Verfication
COC	Chain of custody
CRI	standard at RL for ICP
CVAA	Cold vapor atomic absorption
DFTPP	Decafluorotriphenylphosphine
DQO	Data quality objective
EB	Equipment blank
EPA	Environmental Protection Agency
FD	Field duplicate
GC	Gas Chromatography
GC/MS	Gas chromatography/mass spectrometry
HT	Holding time
ICAL	Initial calibration
ICS-A/AB	Interelement check standard A or AB
ICV	Initial calibration verification
IDL	Instrument detection limit
IS	Internal standards
LCL	Lower control limit
LCS	Laboratory control sample
LTMP	Long term monitoring plan
MeCl	Methylene chloride
MS	Matrix spike

Acronym or Abbreviation	Definition
MSD	Matrix spike duplicate
MPC	Measurement performance criteria
NA	Not applicable
NC	Not calculated.
PAH	Polycyclic aromatic hydrocarbon
PCB	Polychlorinated biphenyls
PQL	Practical quantitation limit
QAPP	Quality Assurance Project Plan
QC	Quality control
RF	Response Factor
RPD	Relative percent difference
RRF	Relative response factor
RSD	Relative standard deviation
RT	Retention time
SDG	Sample Delivery Group
SOP	Standard Operation Procedure
SVOC	Semi-volatile organic compound
SPCC	System performance check compound
SQL	Sample Quantitation Limit
TB	Tripblank
TCX	Tetrachloro-m-xylene
TIC	Tentatively identified compound
UCL	Upper control limit
VOC	Volatile organic compound

DATA QUALIFIER REFERENCE TABLE

Data validation reports will summarize the samples reviewed, elements reviewed, any nonconformances with the established criteria, validation actions (including data qualifiers). Data qualifiers will be consistent with EPA Region I – New England guidelines and will consist of the following:

USEPA Region I – Data Qualifier	USEPA Region I – Qualifier Definition
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample
UJ	The analyte was not detected above the sample reporting limit; and the reporting limit is approximate
U	The sample was analyzed for, but was not detected above the sample reporting limit.
R	The sample result is rejected due to serious deficiencies. The presence or absence of the analyte cannot be verified

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ANALYSIS REPORT

Attention: DARREN GAINER
ECC

50 D'ANGELO DR
MARLBOROUGH MA 01752

Lab ID Number: AH11960
Project Number: NASB ONFF
P.O. Number: 5700.007.012
Date Collected: 10/06/2005 12:00 AM
DateReceived: 10/07/2005 07:00 AM
Date Reported: 10/28/2005

Sample Matrix: G-WATER
Sample Description: MW-NASB-DUP2
Sample Type: Grab

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time		Analysis Date/Time		Analyst
BTEX/MTBE in Water by 8260										
Benzene	1.0	U	ug/L	1.0	EPA 8260B	10/17/2005	8:05	10/17/2005	10:14	NMI
Ethylbenzene	1.0	U	ug/L	1.0	EPA 8260B	10/17/2005	8:05	10/17/2005	10:14	NMI
m,p-Xylene	1.0	U	ug/L	1.0	EPA 8260B	10/17/2005	8:05	10/17/2005	10:14	NMI
MTBE (Methyl-t-Butyl Ether)	1.0	U	ug/L	1.0	EPA 8260B	10/17/2005	8:05	10/17/2005	10:14	NMI
o-Xylene	1.0	U	ug/L	1.0	EPA 8260B	10/17/2005	8:05	10/17/2005	10:14	NMI
Toluene	1.0	U	ug/L	1.0	EPA 8260B	10/17/2005	8:05	10/17/2005	10:14	NMI
4-Bromofluorobenzene (Surrogate)	104		%	86	EPA 8260B	10/17/2005	8:05	10/17/2005	10:14	NMI
Toluene-d8 (Surrogate)	106		%	88	EPA 8260B	10/17/2005	8:05	10/17/2005	10:14	NMI
1,2-Dichloroethane-d4 (Surrogate)	88		%	76	EPA 8260B	10/17/2005	8:05	10/17/2005	10:14	NMI
** The "U" qualifier indicates the compound was analyzed for but not detected.*										
Diesel Range Organics Water										
p-terphenyl (Surrogate)	118		%	70	MEDEP 4.1.25	10/11/2005	8:00	10/13/2005	14:22	RD
Diesel Range Organics	50	U	ug/L	50	MEDEP 4.1.25	10/11/2005	8:00	10/13/2005	14:22	RD
Total Petroleum Hydrocarbons	NA		ug/L	50	MEDEP 4.1.25	10/11/2005	8:00	10/13/2005	14:22	RD
** The "U" qualifier indicates the compound was analyzed for but not detected.*										
Alkalinity	188		mg/L	5.0	EPA 310.1	10/08/2005	11:25	10/08/2005	14:42	KLM
MEDEP 4.125-Prep Water	Completed		Date	-	MEDEP 4.125	10/11/2005	8:00	10/11/2005	11:15	JNM
Ferrous Iron	18000		ug/L	125	SM 3500 Fe D	10/07/2005	8:00	10/07/2005	9:30	ECT
** The sample was analyzed at a 1:5 dilution in order to bring the concentration within the range of the calibration curve, resulting in elevated reporting limits.*										
Methane in water	See attached		ug/ml	0.010	Mod. VSK-175	10/12/2005	17:49	10/12/2005	17:49	ATL
** This analysis was subcontracted to Air Toxics LTD. Please see attached report (1.4ug/ml Methane, ND-Ethane and Ethene).*										
Nitrate-N	0.1	U	mg/L	0.1	EPA 353.2	10/07/2005	12:00	10/07/2005	12:19	MF
Sulfate	3.2		mg/L	1.0	EPA 300	10/07/2005	12:15	10/08/2005	6:54	MF
Total Organic Carbon	5.3		mg/L	1	EPA 415.1	10/18/2008	7:30	10/18/2005	15:30	LL

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ANALYSIS REPORT

Attention: DARREN GAINER
ECC

50 D'ANGELO DR
MARLBOROUGH MA 01752

Lab ID Number: AH11960
Project Number: NASB ONFF
P.O. Number: 5700.007.012
Date Collected: 10/06/2005 12:00 AM
DateReceived: 10/07/2005 07:00 AM
Date Reported: 10/28/2005

Sample Matrix: G-WATER
Sample Description: MW-NASB-DUP2
Sample Type: Grab

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time	Analysis Date/Time	Analyst

Comments:

Results are reported on a wet weight basis.

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Results meet the requirements of the NELAC standards unless otherwise noted above.

Reviewed By: Kelly A. Perkins **Review Date:** 10/28/2005
Kelly Perkins, Lab Manager

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TO: ECC

DATE SAMPLED:	10/06/2005	LABORATORY NUMBER:	AH11960
DATE RECEIVED:	10/07/2005	SAMPLE MATRIX:	G-WATER
DATE EXTRACTED:	10/11/2005	ANALYST:	RD
DATE ANALYZED:	10/13/2005	SDG #:	NASBONFFD
DATE REPORTED:	10/28/2005		

SAMPLE DESCRIPTION: MW-NASB-DUP2

DIESEL RANGE ORGANICS (DRO)

METHOD SUMMARY:

The water sample is defined as the entire contents of the container including any soil or secondary phase material present. The sample was extracted three (3) times with methylene chloride using a liguid/liquid extraction technique with sodium chloride added to increase the extraction efficiency. The combined extract was passed through anhydrous sodium sulfate to remove water and was concentrated using a Zymark Turbovap Concentrator or Kuderna-Danish Concentrator. The final extract and/or dilutions of the extract were analyzed using high-resolution capillary FID Gas Chromatography (J & W DB-1 column, 0.25 micron phase, 0.32mm ID, 30 meter). The sample chromatograms were compared to hydrocarbon standard chromatograms for descriptive purposes and were compared to a DRO component standard for quantification of results.

QUANTITATION/DESCRIPTION:

NEL Sample#	Client Identification	DRO Results ug/L (ppb)*	Qualifier	Surrogate Recovery p-Terphenyl**
AH11960	MW-NASB-DUP2	50	U	118%

The "U" qualifier indicates the compound was analyzed for but not detected.

Results meet the requirements of the NELAC standards

NOTE:

Identification of pristane, phytane, and the n-alkanes is based on chromatographic patterns and retention times on a single column. Identity has not been confirmed. Several petroleum products have chromatographic profiles similar to one another; and product profiles change as weathering occurs. Descriptive/interpretive data has been provided for guidance only. Identity of products (either weathered or unweathered) should not be considered conclusive.

* Quantitation is based on a DRO component standard, utilizing a method defined window from carbon number 10 to 28 inclusive.

**p-Terphenyl is added to the sample prior to extraction as a means of assessing the validity of the analysis.

[ ] In instances in which the material outside the DRO window exceeds 25% of DRO, an estimated total TPH result (aproximately carbon number 9 to 40) will be given in brackets following the DRO result, utilizing the response of a DRO component standard. Only total TPH results exceeding 50 ug/L (ppb) will be listed.

Analysis was conducted according to Maine method 4.1.25, "Method for Determining Diesel Range Organics." The DRO Practical Quantitation Limit is 50 ug/L (ppb)*.

Reviewed By: Kelly A. Perkins Date: 10/28/2005
Kelly Perkins, Lab Manager

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ANALYSIS REPORT

Attention: DARREN GAINER
ECC

50 D'ANGELO DR
MARLBOROUGH MA 01752

Lab ID Number: AH11961
Project Number: NASB ONFF
P.O. Number: 5700.007.012
Date Collected: 10/06/2005 03:45 PM
DateReceived: 10/07/2005 07:00 AM
Date Reported: 10/28/2005

Sample Matrix: G-WATER
Sample Description: ONFF-Rinsate Blank
Sample Type: Grab

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time		Analysis Date/Time		Analyst
BTEX/MTBE in Water by 8260										
Toluene	0.92	J	ug/L	1.0	EPA 8260B	10/17/2005	8:05	10/17/2005	10:50	NMI
Benzene	1.0	U	ug/L	1.0	EPA 8260B	10/17/2005	8:05	10/17/2005	10:50	NMI
Ethylbenzene	1.0	U	ug/L	1.0	EPA 8260B	10/17/2005	8:05	10/17/2005	10:50	NMI
m,p-Xylene	1.0	U	ug/L	1.0	EPA 8260B	10/17/2005	8:05	10/17/2005	10:50	NMI
MTBE (Methyl-t-Butyl Ether)	1.0	U	ug/L	1.0	EPA 8260B	10/17/2005	8:05	10/17/2005	10:50	NMI
o-Xylene	1.0	U	ug/L	1.0	EPA 8260B	10/17/2005	8:05	10/17/2005	10:50	NMI
4-Bromofluorobenzene (Surrogate)	103		%	86	EPA 8260B	10/17/2005	8:05	10/17/2005	10:50	NMI
Toluene-d8 (Surrogate)	106		%	88	EPA 8260B	10/17/2005	8:05	10/17/2005	10:50	NMI
1,2-Dichloroethane-d4 (Surrogate)	94		%	76	EPA 8260B	10/17/2005	8:05	10/17/2005	10:50	NMI

* *The "J" value denotes an estimated concentration below the laboratory's normal reporting limit.*
The "U" qualifier indicates the compound was analyzed for but not detected.

Diesel Range Organics Water										
p-terphenyl (Surrogate)	125		%	60	MEDEP 4.1.25	10/11/2005	8:00	10/13/2005	15:09	RD
Diesel Range Organics	85		ug/L	50	MEDEP 4.1.25	10/11/2005	8:00	10/13/2005	15:09	RD
Total Petroleum Hydrocarbons	NA		ug/L	50	MEDEP 4.1.25	10/11/2005	8:00	10/13/2005	15:09	RD

* *DRO chromatogram does not resemble a typical petroleum hydrocarbon pattern. The majority of the response is due to the presence of one peak in the chromatogram which is indicative of phthalate contamination. The sample was re-extracted, confirming original results.*

Gasoline Range Organics Water										
Benzene	1.0	U	ug/L	1.0	MEDEP 4.2.17	10/11/2005	13:29	10/11/2005	18:39	RD
Ethyl benzene	1.0	U	ug/L	1.0	MEDEP 4.2.17	10/11/2005	13:29	10/11/2005	18:39	RD
Toluene	1.0	U	ug/L	1.0	MEDEP 4.2.17	10/11/2005	13:29	10/11/2005	18:39	RD
Total xylenes	1.0	U	ug/L	1.0	MEDEP 4.2.17	10/11/2005	13:29	10/11/2005	18:39	RD
GROAQ	10	U	ug/L	10.0	MEDEP 4.2.17	10/11/2005	13:29	10/11/2005	18:39	RD
4-Bromofluorobenzene (Surrogate)	105		%	80	MEDEP 4.2.17	10/11/2005	13:29	10/11/2005	18:39	RD
MTBE (Methyl-t-Butyl Ether)	2.0	U	ug/L	2.0	MEDEP 4.2.17	10/11/2005	13:29	10/11/2005	18:39	RD

* *The "U" qualifier indicates the compound was analyzed for but not detected.*

MEDEP 4.125-Prep Water	Completed		Date	-	MEDEP 4.125	10/11/2005	8:00	10/11/2005	11:15	JNM
Methane in water	See attached		ug/ml	0.010	Mod. VSK-175	10/12/2005	18:11	10/12/2005	18:11	ATL

* *This analysis was subcontracted to Air Toxics LTD. Please see attached report (ND).*

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ANALYSIS REPORT

Attention: DARREN GAINER
ECC

50 D'ANGELO DR
MARLBOROUGH MA 01752

Lab ID Number: AH11961
Project Number: NASB ONFF
P.O. Number: 5700.007.012
Date Collected: 10/06/2005 03:45 PM
DateReceived: 10/07/2005 07:00 AM
Date Reported: 10/28/2005

Sample Matrix: G-WATER
Sample Description: ONFF-Rinsate Blank
Sample Type: Grab

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time	Analysis Date/Time	Analyst

Comments:

Please see the specific analysis comment(s) above.

Results are reported on a wet weight basis.

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Results meet the requirements of the NELAC standards unless otherwise noted above.

Reviewed By: Kelly A. Perkins **Review Date:** 10/28/2005
Kelly Perkins, Lab Manager

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TO: ECC

DATE SAMPLED:	10/06/2005	LABORATORY NUMBER:	AH11961
DATE RECEIVED:	10/07/2005	SAMPLE MATRIX:	G-WATER
DATE EXTRACTED:	10/11/2005	ANALYST:	RD
DATE ANALYZED:	10/13/2005	SDG #:	NASBONFFD
DATE REPORTED:	10/28/2005		

SAMPLE DESCRIPTION: ONFF-Rinsate Blank

DIESEL RANGE ORGANICS (DRO)

METHOD SUMMARY:

The water sample is defined as the entire contents of the container including any soil or secondary phase material present. The sample was extracted three (3) times with methylene chloride using a liguid/liquid extraction technique with sodium chloride added to increase the extraction efficiency. The combined extract was passed through anhydrous sodium sulfate to remove water and was concentrated using a Zymark Turbovap Concentrator or Kuderna-Danish Concentrator. The final extract and/or dilutions of the extract were analyzed using high-resolution capillary FID Gas Chromatography (J & W DB-1 column, 0.25 micron phase, 0.32mm ID, 30 meter). The sample chromatograms were compared to hydrocarbon standard chromatograms for descriptive purposes and were compared to a DRO component standard for quantification of results.

QUANTITATION/DESCRIPTION:

NEL Sample#	Client Identification	DRO Results ug/L (ppb)*	Qualifier	Surrogate Recovery p-Terphenyl**
AH11961	ONFF-Rinsate Blank	85		125%

DRO chromatogram does not resemble a typical petroleum hydrocarbon pattern. The majority of the response is due to the presence of one peak in the chromatogram which is indicative of phthalate contamination. The sample was re-extracted, confirming original results.

Results meet the requirements of the NELAC standards

NOTE:

Identification of pristane, phytane, and the n-alkanes is based on chromatographic patterns and retention times on a single column. Identity has not been confirmed. Several petroleum products have chromatographic profiles similar to one another; and product profiles change as weathering occurs. Descriptive/interpretive data has been provided for guidance only. Identity of products (either weathered or unweathered) should not be considered conclusive.

* Quantitation is based on a DRO component standard, utilizing a method defined window from carbon number 10 to 28 inclusive.

**p-Terphenyl is added to the sample prior to extraction as a means of assessing the validity of the analysis.

[ ] In instances in which the material outside the DRO window exceeds 25% of DRO, an estimated total TPH result (aproximately carbon number 9 to 40) will be given in brackets following the DRO result, utilizing the response of a DRO component standard. Only total TPH results exceeding 50 ug/L (ppb) will be listed.

Analysis was conducted according to Maine method 4.1.25, "Method for Determining Diesel Range Organics." The DRO Practical Quantitation Limit is 50 ug/L (ppb)*.

Reviewed By: Kelly A. Perkins Date: 10/28/2005
Kelly Perkins, Lab Manager

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TO: ECC

DATE SAMPLED:	10/06/2005	LABORATORY NUMBER:	AH11961
DATE RECEIVED:	10/07/2005	SAMPLE MATRIX:	G-WATER
DATE ANALYZED:	10/11/2005	ANALYST:	RD
DATE REPORTED:	10/28/2005	SDG #:	NASBONFFD

SAMPLE DESCRIPTION: ONFF-Rinsate Blank

GASOLINE RANGE ORGANICS (GRO)

NEL Sample #	Client Identification	GRO Results ug/L (ppb)	Qualifier	MTBE & BTEX ug/L (ppb)*	Qualifier	Reporting Limit	Surr gate Recovery 4-BFB**
AH11961	ONFF-Rinsate Blank	10	U	MTBE:2.0	U	2	105%
				Benzene:1.0	U	1	
				Toluene:1.0	U	1	
				EthylBenzene:1.0	U	1	
				TotalXylenes:1.0	U	1	

The "U" qualifier indicates the compound was analyzed for but not detected.

Results meet the requirements of the NELAC standards

* Identification of MTBE and the BTEX compounds is based on retention times on the primary column. Identity has not been confirmed. Because of the possibility of co-eluting compounds, these quantitations may be higher than the actual concentration. For a more accurate or EPA approved quantitation of these compounds request Method 8260.

**4-Bromofluorobenzene is added to the sample as a means of assessing the validity of the analysis.

NOTE: See attached method information.

Analysis was conducted according to Maine method 4.2.17, "Method for Determining Gasoline Range Organics".

Reviewed By: Kelly A. Perkins Date: 10/28/2005
Kelly Perkins, Lab Manager

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ANALYSIS REPORT

Attention: DARREN GAINER
ECC

50 D'ANGELO DR
MARLBOROUGH MA 01752

Lab ID Number: AH11962
Project Number: NASB ONFF
P.O. Number: 5700.007.012
Date Collected: 10/06/2005 10:12 AM
DateReceived: 10/07/2005 07:00 AM
Date Reported: 10/28/2005

Sample Matrix: G-WATER
Sample Description: MW-NASB-207
Sample Type: Grab

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time		Analysis Date/Time		Analyst
BTEX/MTBE in Water by 8260										
Benzene	1.0	U	ug/L	1.0	EPA 8260B	10/17/2005	8:05	10/17/2005	11:26	NMI
Ethylbenzene	1.0	U	ug/L	1.0	EPA 8260B	10/17/2005	8:05	10/17/2005	11:26	NMI
m,p-Xylene	1.0	U	ug/L	1.0	EPA 8260B	10/17/2005	8:05	10/17/2005	11:26	NMI
MTBE (Methyl-t-Butyl Ether)	1.0	U	ug/L	1.0	EPA 8260B	10/17/2005	8:05	10/17/2005	11:26	NMI
o-Xylene	1.0	U	ug/L	1.0	EPA 8260B	10/17/2005	8:05	10/17/2005	11:26	NMI
Toluene	1.0	U	ug/L	1.0	EPA 8260B	10/17/2005	8:05	10/17/2005	11:26	NMI
4-Bromofluorobenzene (Surrogate)	105		%	86	EPA 8260B	10/17/2005	8:05	10/17/2005	11:26	NMI
Toluene-d8 (Surrogate)	106		%	88	EPA 8260B	10/17/2005	8:05	10/17/2005	11:26	NMI
1,2-Dichloroethane-d4 (Surrogate)	96		%	76	EPA 8260B	10/17/2005	8:05	10/17/2005	11:26	NMI
* *The "U" qualifier indicates the compound was analyzed for but not detected.*										
Diesel Range Organics Water										
Diesel Range Organics	50	U	ug/L	50	MEDEP 4.1.25	10/11/2005	8:00	10/13/2005	15:56	RD
p-terphenyl (Surrogate)	86		%	70	MEDEP 4.1.25	10/11/2005	8:00	10/13/2005	15:56	RD
Total Petroleum Hydrocarbons	NA		ug/L	50	MEDEP 4.1.25	10/11/2005	8:00	10/13/2005	15:56	RD
* *The "U" qualifier indicates the compound was analyzed for but not detected.*										
Alkalinity	170		mg/L	5.0	EPA 310.1	10/08/2005	11:25	10/08/2005	14:42	KLM
MEDEP 4.125-Prep Water	Completed		Date	-	MEDEP 4.125	10/11/2005	8:00	10/11/2005	11:15	JNM
Ferrous Iron	40		ug/L	25.0	SM 3500 Fe D	10/07/2005	8:00	10/07/2005	9:30	ECT
Methane in water	See attached		ug/ml	0.010	Mod. VSK-175	10/12/2005	18:32	10/12/2005	18:32	ATL
* *This analysis was subcontracted to Air Toxics LTD. Please see attached report (0.014ug/ml Methane, ND-Ethane and Ethene).*										
Nitrate-N	0.1	U	mg/L	0.1	EPA 353.2	10/07/2005	12:00	10/07/2005	12:19	MF
Sulfate	5.2		mg/L	1.0	EPA 300	10/07/2005	12:15	10/08/2005	6:54	MF
Total Organic Carbon	4.4		mg/L	1	EPA 415.1	10/18/2005	7:30	10/18/2005	15:30	LL

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ANALYSIS REPORT

Attention: DARREN GAINER
ECC

50 D'ANGELO DR
MARLBOROUGH MA 01752

Lab ID Number: AH11962
Project Number: NASB ONFF
P.O. Number: 5700.007.012
Date Collected: 10/06/2005 10:12 AM
DateReceived: 10/07/2005 07:00 AM
Date Reported: 10/28/2005

Sample Matrix: G-WATER
Sample Description: MW-NASB-207
Sample Type: Grab

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time	Analysis Date/Time	Analyst

Comments:

Results are reported on a wet weight basis.

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Results meet the requirements of the NELAC standards unless otherwise noted above.

Reviewed By: Kelly A. Perkins **Review Date:** 10/28/2005
Kelly Perkins, Lab Manager

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ANALYSIS REPORT

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TO: ECC

DATE SAMPLED:	10/06/2005	LABORATORY NUMBER:	AH11962
DATE RECEIVED:	10/07/2005	SAMPLE MATRIX:	G-WATER
DATE EXTRACTED:	10/11/2005	ANALYST:	RD
DATE ANALYZED:	10/13/2005	SDG #:	NASBONFFD
DATE REPORTED:	10/28/2005		

SAMPLE DESCRIPTION: MW-NASB-207

DIESEL RANGE ORGANICS (DRO)

METHOD SUMMARY:

The water sample is defined as the entire contents of the container including any soil or secondary phase material present. The sample was extracted three (3) times with methylene chloride using a liguid/liquid extraction technique with sodium chloride added to increase the extraction efficiency. The combined extract was passed through anhydrous sodium sulfate to remove water and was concentrated using a Zymark Turbovap Concentrator or Kuderna-Danish Concentrator. The final extract and/or dilutions of the extract were analyzed using high-resolution capillary FID Gas Chromatography (J & W DB-1 column, 0.25 micron phase, 0.32mm ID, 30 meter). The sample chromatograms were compared to hydrocarbon standard chromatograms for descriptive purposes and were compared to a DRO component standard for quantification of results.

QUANTITATION/DESCRIPTION:

NEL Sample#	Client Identification	DRO Results ug/L (ppb)*	Qualifier	Surrogate Recovery p-Terphenyl**
AH11962	MW-NASB-207	50	U	86%

The "U" qualifier indicates the compound was analyzed for but not detected.

Results meet the requirements of the NELAC standards

NOTE:

Identification of pristane, phytane, and the n-alkanes is based on chromatographic patterns and retention times on a single column. Identity has not been confirmed. Several petroleum products have chromatographic profiles similar to one another; and product profiles change as weathering occurs. Descriptive/interpretive data has been provided for guidance only. Identity of products (either weathered or unweathered) should not be considered conclusive.

* Quantitation is based on a DRO component standard, utilizing a method defined window from carbon number 10 to 28 inclusive.

**p-Terphenyl is added to the sample prior to extraction as a means of assessing the validity of the analysis.

[ ] In instances in which the material outside the DRO window exceeds 25% of DRO, an estimated total TPH result (aproximately carbon number 9 to 40) will be given in brackets following the DRO result, utilizing the response of a DRO component standard. Only total TPH results exceeding 50 ug/L (ppb) will be listed.

Analysis was conducted according to Maine method 4.1.25, "Method for Determining Diesel Range Organics." The DRO Practical Quantitation Limit is 50 ug/L (ppb)*.

Reviewed By: Kelly A. Perkins Date: 10/28/2005
Kelly Perkins, Lab Manager

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ANALYSIS REPORT

Attention: DARREN GAINER
ECC

50 D'ANGELO DR
MARLBOROUGH MA 01752

Lab ID Number: AH11963
Project Number: NASB ONFF
P.O. Number: 5700.007.012
Date Collected: 10/06/2005 01:13 PM
DateReceived: 10/07/2005 07:00 AM
Date Reported: 10/28/2005

Sample Matrix: G-WATER
Sample Description: MW-NASB-208BR
Sample Type: Grab

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time		Analysis Date/Time		Analyst
BTEX/MTBE in Water by 8260										
Benzene	1.0	U	ug/L	1.0	EPA 8260B	10/17/2005	8:05	10/17/2005	12:02	NMI
Ethylbenzene	1.0	U	ug/L	1.0	EPA 8260B	10/17/2005	8:05	10/17/2005	12:02	NMI
m,p-Xylene	1.0	U	ug/L	1.0	EPA 8260B	10/17/2005	8:05	10/17/2005	12:02	NMI
MTBE (Methyl-t-Butyl Ether)	1.0	U	ug/L	1.0	EPA 8260B	10/17/2005	8:05	10/17/2005	12:02	NMI
o-Xylene	1.0	U	ug/L	1.0	EPA 8260B	10/17/2005	8:05	10/17/2005	12:02	NMI
Toluene	1.0	U	ug/L	1.0	EPA 8260B	10/17/2005	8:05	10/17/2005	12:02	NMI
4-Bromofluorobenzene (Surrogate)	104		%	86	EPA 8260B	10/17/2005	8:05	10/17/2005	12:02	NMI
Toluene-d8 (Surrogate)	106		%	88	EPA 8260B	10/17/2005	8:05	10/17/2005	12:02	NMI
1,2-Dichloroethane-d4 (Surrogate)	98		%	76	EPA 8260B	10/17/2005	8:05	10/17/2005	12:02	NMI
** The "U" qualifier indicates the compound was analyzed for but not detected.*										
Diesel Range Organics Water										
p-terphenyl (Surrogate)	127		%	70	MEDEP 4.1.25	10/11/2005	8:00	10/13/2005	16:43	RD
Diesel Range Organics	50	U	ug/L	50	MEDEP 4.1.25	10/11/2005	8:00	10/13/2005	16:43	RD
Total Petroleum Hydrocarbons	NA		ug/L	50	MEDEP 4.1.25	10/11/2005	8:00	10/13/2005	16:43	RD
** The "U" qualifier indicates the compound was analyzed for but not detected.*										
Alkalinity	200		mg/L	5.0	EPA 310.1	10/08/2005	11:25	10/08/2005	14:42	KLM
MEDEP 4.125-Prep Water	Completed		Date	-	MEDEP 4.125	10/11/2005	8:00	10/11/2005	11:15	JNM
Ferrous Iron	16000		ug/L	125	SM 3500 Fe D	10/07/2005	8:00	10/07/2005	9:30	ECT
** The sample was analyzed at a 1:5 dilution in order to bring the concentration within the range of the calibration curve, resulting in elevated reporting limits.*										
Methane in water	See attached		ug/ml	0.010	Mod. VSK-175	10/12/2005	18:53	10/12/2005	18:53	ATL
** This analysis was subcontracted to Air Toxics LTD. Please see attached report (1.4ug/ml Methane, ND-Ethane and Ethene).*										
Nitrate-N	0.1	U	mg/L	0.1	EPA 353.2	10/07/2005	12:00	10/07/2005	12:19	MF
Sulfate	2.6		mg/L	1.0	EPA 300	10/07/2005	12:15	10/08/2005	6:54	MF
Total Organic Carbon	7.4		mg/L	1	EPA 415.1	10/18/2005	7:30	10/18/2005	15:30	LL

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ANALYSIS REPORT

Attention: DARREN GAINER
ECC

50 D'ANGELO DR
MARLBOROUGH MA 01752

Lab ID Number: AH11963
Project Number: NASB ONFF
P.O. Number: 5700.007.012
Date Collected: 10/06/2005 01:13 PM
DateReceived: 10/07/2005 07:00 AM
Date Reported: 10/28/2005

Sample Matrix: G-WATER
Sample Description: MW-NASB-208BR
Sample Type: Grab

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time	Analysis Date/Time	Analyst

Comments:

Results are reported on a wet weight basis.

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Results meet the requirements of the NELAC standards unless otherwise noted above.

Reviewed By: Kelly A. Perkins **Review Date:** 10/28/2005
Kelly Perkins, Lab Manager

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TO: ECC

DATE SAMPLED:	10/06/2005	LABORATORY NUMBER:	AH11963
DATE RECEIVED:	10/07/2005	SAMPLE MATRIX:	G-WATER
DATE EXTRACTED:	10/11/2005	ANALYST:	RD
DATE ANALYZED:	10/13/2005	SDG #:	NASBONFFD
DATE REPORTED:	10/28/2005		

SAMPLE DESCRIPTION: MW-NASB-208BR

DIESEL RANGE ORGANICS (DRO)

METHOD SUMMARY:

The water sample is defined as the entire contents of the container including any soil or secondary phase material present. The sample was extracted three (3) times with methylene chloride using a liguid/liquid extraction technique with sodium chloride added to increase the extraction efficiency. The combined extract was passed through anhydrous sodium sulfate to remove water and was concentrated using a Zymark Turbovap Concentrator or Kuderna-Danish Concentrator. The final extract and/or dilutions of the extract were analyzed using high-resolution capillary FID Gas Chromatography (J & W DB-1 column, 0.25 micron phase, 0.32mm ID, 30 meter). The sample chromatograms were compared to hydrocarbon standard chromatograms for descriptive purposes and were compared to a DRO component standard for quantification of results.

QUANTITATION/DESCRIPTION:

NEL Sample#	Client Identification	DRO Results ug/L (ppb)*	Qualifier	Surrogate Recovery p-Terphenyl**
AH11963	MW-NASB-208BR	50	U	127%

The "U" qualifier indicates the compound was analyzed for but not detected.

Results meet the requirements of the NELAC standards

NOTE:

Identification of pristane, phytane, and the n-alkanes is based on chromatographic patterns and retention times on a single column. Identity has not been confirmed. Several petroleum products have chromatographic profiles similar to one another; and product profiles change as weathering occurs. Descriptive/interpretive data has been provided for guidance only. Identity of products (either weathered or unweathered) should not be considered conclusive.

* Quantitation is based on a DRO component standard, utilizing a method defined window from carbon number 10 to 28 inclusive.

**p-Terphenyl is added to the sample prior to extraction as a means of assessing the validity of the analysis.

[ ] In instances in which the material outside the DRO window exceeds 25% of DRO, an estimated total TPH result (aproximately carbon number 9 to 40) will be given in brackets following the DRO result, utilizing the response of a DRO component standard. Only total TPH results exceeding 50 ug/L (ppb) will be listed.

Analysis was conducted according to Maine method 4.1.25, "Method for Determining Diesel Range Organics." The DRO Practical Quantitation Limit is 50 ug/L (ppb)*.

Reviewed By: Kelly A. Perkins Date: 10/28/2005
Kelly Perkins, Lab Manager

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ANALYSIS REPORT

Attention: DARREN GAINER
ECC

50 D'ANGELO DR
MARLBOROUGH MA 01752

Lab ID Number: AH11964
Project Number: NASB ONFF
P.O. Number: 5700.007.012
Date Collected: 10/06/2005 02:45 PM
DateReceived: 10/07/2005 07:00 AM
Date Reported: 10/28/2005

Sample Matrix: G-WATER
Sample Description: MW-NASB-210
Sample Type: Grab

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time		Analysis Date/Time		Analyst
BTEX/MTBE in Water by 8260										
Benzene	1.0	U	ug/L	1.0	EPA 8260B	10/17/2005	8:05	10/17/2005	12:37	NMI
Ethylbenzene	1.0	U	ug/L	1.0	EPA 8260B	10/17/2005	8:05	10/17/2005	12:37	NMI
m,p-Xylene	1.0	U	ug/L	1.0	EPA 8260B	10/17/2005	8:05	10/17/2005	12:37	NMI
MTBE (Methyl-t-Butyl Ether)	1.0	U	ug/L	1.0	EPA 8260B	10/17/2005	8:05	10/17/2005	12:37	NMI
o-Xylene	1.0	U	ug/L	1.0	EPA 8260B	10/17/2005	8:05	10/17/2005	12:37	NMI
Toluene	1.0	U	ug/L	1.0	EPA 8260B	10/17/2005	8:05	10/17/2005	12:37	NMI
4-Bromofluorobenzene (Surrogate)	104		%	86	EPA 8260B	10/17/2005	8:05	10/17/2005	12:37	NMI
Toluene-d8 (Surrogate)	106		%	88	EPA 8260B	10/17/2005	8:05	10/17/2005	12:37	NMI
1,2-Dichloroethane-d4 (Surrogate)	98		%	76	EPA 8260B	10/17/2005	8:05	10/17/2005	12:37	NMI
The "U" qualifier indicates the compound was analyzed for but not detected.										
Diesel Range Organics Water										
Diesel Range Organics	50	U	ug/L	50	MEDEP 4.1.25	10/11/2005	8:00	10/13/2005	17:30	RD
p-terphenyl (Surrogate)	95		%	70	MEDEP 4.1.25	10/11/2005	8:00	10/13/2005	17:30	RD
Total Petroleum Hydrocarbons	NA		ug/L	50	MEDEP 4.1.25	10/11/2005	8:00	10/13/2005	17:30	RD
The "U" qualifier indicates the compound was analyzed for but not detected.										
Alkalinity	30		mg/L	5.0	EPA 310.1	10/08/2005	11:25	10/08/2005	14:42	KLM
MEDEP 4.125-Prep Water	Completed		Date	-	MEDEP 4.125	10/11/2005	8:00	10/11/2005	11:15	JNM
Ferrous Iron	940		ug/L	25.0	SM 3500 Fe D	10/07/2005	8:00	10/07/2005	9:30	ECT
Methane in water	See attached		ug/ml	0.010	Mod. VSK-175	10/12/2005	19:14	10/12/2005	19:14	ATL
This analysis was subcontracted to Air Toxics LTD. Please see attached report (ND).										
Nitrate-N	0.21		mg/L	0.1	EPA 353.2	10/07/2005	12:00	10/07/2005	12:19	MF
Sulfate	15		mg/L	1.0	EPA 300	10/07/2005	12:15	10/08/2005	6:54	MF
Total Organic Carbon	13		mg/L	1	EPA 415.1	10/18/2005	7:30	10/18/2005	15:30	LL

0015

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ANALYSIS REPORT

Attention: DARREN GAINER
ECC

50 D'ANGELO DR
MARLBOROUGH MA 01752

Lab ID Number: AH11964
Project Number: NASB ONFF
P.O. Number: 5700.007.012
Date Collected: 10/06/2005 02:45 PM
DateReceived: 10/07/2005 07:00 AM
Date Reported: 10/28/2005

Sample Matrix: G-WATER
Sample Description: MW-NASB-210
Sample Type: Grab

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time	Analysis Date/Time	Analyst

Comments:

Results are reported on a wet weight basis.

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Results meet the requirements of the NELAC standards unless otherwise noted above.

Reviewed By: Kelly A. Perkins **Review Date:** 10/28/2005
Kelly Perkins, Lab Manager

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ANALYSIS REPORT

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TO: ECC

DATE SAMPLED:	10/06/2005	LABORATORY NUMBER:	AH11964
DATE RECEIVED:	10/07/2005	SAMPLE MATRIX:	G-WATER
DATE EXTRACTED:	10/11/2005	ANALYST:	RD
DATE ANALYZED:	10/13/2005	SDG #:	NASBONFFD
DATE REPORTED:	10/28/2005		

SAMPLE DESCRIPTION: MW-NASB-210

DIESEL RANGE ORGANICS (DRO)

METHOD SUMMARY:

The water sample is defined as the entire contents of the container including any soil or secondary phase material present. The sample was extracted three (3) times with methylene chloride using a liguid/liquid extraction technique with sodium chloride added to increase the extraction efficiency. The combined extract was passed through anhydrous sodium sulfate to remove water and was concentrated using a Zymark Turbovap Concentrator or Kudema-Danish Concentrator. The final extract and/or dilutions of the extract were analyzed using high-resolution capillary FID Gas Chromatography (J & W DB-1 column, 0.25 micron phase, 0.32mm ID, 30 meter). The sample chromatograms were compared to hydrocarbon standard chromatograms for descriptive purposes and were compared to a DRO component standard for quantification of results.

QUANTITATION/DESCRIPTION:

NEL Sample#	Client Identification	DRO Results ug/L (ppb)*	Qualifier	Surrogate Recovery p-Terphenyl**
AH11964	MW-NASB-210	50	U	95%

The "U" qualifier indicates the compound was analyzed for but not detected.

Results meet the requirements of the NELAC standards

NOTE:

Identification of pristane, phytane, and the n-alkanes is based on chromatographic patterns and retention times on a single column. Identity has not been confirmed. Several petroleum products have chromatographic profiles similar to one another; and product profiles change as weathering occurs. Descriptive/interpretive data has been provided for guidance only. Identity of products (either weathered or unweathered) should not be considered conclusive.

* Quantitation is based on a DRO component standard, utilizing a method defined window from carbon number 10 to 28 inclusive.

**p-Terphenyl is added to the sample prior to extraction as a means of assessing the validity of the analysis.

[ ] In instances in which the material outside the DRO window exceeds 25% of DRO, an estimated total TPH result (aproximately carbon number 9 to 40) will be given in brackets following the DRO result, utilizing the response of a DRO component standard. Only total TPH results exceeding 50 ug/L (ppb) will be listed.

Analysis was conducted according to Maine method 4.1.25, "Method for Determining Diesel Range Organics." The DRO Practical Quantitation Limit is 50 ug/L (ppb)*.

Reviewed By: Kelly A. Perkins Date: 10/28/2005
Kelly Perkins, Lab Manager

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ANALYSIS REPORT

Attention: DARREN GAINER
ECC

50 D'ANGELO DR
MARLBOROUGH MA 01752

Lab ID Number: AH11965
Project Number: NASB ONFF
P.O. Number: 5700.007.012
Date Collected: 10/06/2005 01:30 PM
DateReceived: 10/07/2005 07:00 AM
Date Reported: 10/28/2005

Sample Matrix: T-BLANK
Sample Description: ONFF-QT4
Sample Type: Grab

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time		Analysis Date/Time		Analyst
BTEX/MTBE in Water by 8260										
Benzene	1.0	U	ug/L	1.0	EPA 8260B	10/17/2005	8:05	10/17/2005	13:13	NMI
Ethylbenzene	1.0	U	ug/L	1.0	EPA 8260B	10/17/2005	8:05	10/17/2005	13:13	NMI
m,p-Xylene	1.0	U	ug/L	1.0	EPA 8260B	10/17/2005	8:05	10/17/2005	13:13	NMI
MTBE (Methyl-t-Butyl Ether)	1.0	U	ug/L	1.0	EPA 8260B	10/17/2005	8:05	10/17/2005	13:13	NMI
o-Xylene	1.0	U	ug/L	1.0	EPA 8260B	10/17/2005	8:05	10/17/2005	13:13	NMI
Toluene	1.0	U	ug/L	1.0	EPA 8260B	10/17/2005	8:05	10/17/2005	13:13	NMI
4-Bromofluorobenzene (Surrogate)	105		%	86	EPA 8260B	10/17/2005	8:05	10/17/2005	13:13	NMI
Toluene-d8 (Surrogate)	106		%	88	EPA 8260B	10/17/2005	8:05	10/17/2005	13:13	NMI
1,2-Dichloroethane-d4 (Surrogate)	98		%	76	EPA 8260B	10/17/2005	8:05	10/17/2005	13:13	NMI

* *The "U" qualifier indicates the compound was analyzed for but not detected.*

Methane in water	See attached		ug/ml	0.010	Mod. VSK-175	10/12/2005	19:36	10/12/2005	19:36	ATL

* *This analysis was subcontracted to Air Toxics LTD. Please see attached report (ND).*

Comments:

Please see the specific analysis comment(s) above.

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Results meet the requirements of the NELAC standards unless otherwise noted above.

Reviewed By: Kelly A. Perkins **Review Date:** 10/28/2005

Kelly Perkins, Lab Manager

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ANALYSIS REPORT

Attention: DARREN GAINER
ECC

50 D'ANGELO DR
MARLBOROUGH MA 01752

Lab ID Number: AH11707
Project Number: ONFF
P.O. Number: 5700.007.012.620
Date Collected: 10/03/2005 02:20 PM
DateReceived: 10/03/2005 05:30 PM
Date Reported: 10/25/2005

Sample Matrix: T-BLANK
Sample Description: ONFF-QT1
Sample Type:

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time		Analysis Date/Time		Analyst
BTEX/MTBE in Water by 8260										
Benzene	1.0	U	ug/L	1.0	EPA 8260B	10/12/2005	12:03	10/12/2005	14:51	NMI
Ethylbenzene	1.0	U	ug/L	1.0	EPA 8260B	10/12/2005	12:03	10/12/2005	14:51	NMI
m,p-Xylene	1.0	U	ug/L	1.0	EPA 8260B	10/12/2005	12:03	10/12/2005	14:51	NMI
MTBE (Methyl-t-Butyl Ether)	1.0	U	ug/L	1.0	EPA 8260B	10/12/2005	12:03	10/12/2005	14:51	NMI
o-Xylene	1.0	U	ug/L	1.0	EPA 8260B	10/12/2005	12:03	10/12/2005	14:51	NMI
Toluene	1.0	U	ug/L	1.0	EPA 8260B	10/12/2005	12:03	10/12/2005	14:51	NMI
1,2-Dichloroethane-d4 (Surrogate)	93		%	76	EPA 8260B	10/12/2005	12:03	10/12/2005	14:51	NMI
4-Bromofluorobenzene (Surrogate)	96		%	86	EPA 8260B	10/12/2005	12:03	10/12/2005	14:51	NMI
Toluene-d8 (Surrogate)	99		%	88	EPA 8260B	10/12/2005	12:03	10/12/2005	14:51	NMI

* *The "U" qualifier indicates the compound was analyzed for but not detected.*

Gasoline Range Organics Water										
Benzene	1.0	U	ug/L	1.0	MEDEP 4.2.17	10/06/2005	11:40	10/06/2005	15:22	RD
Ethyl benzene	1.0	U	ug/L	1.0	MEDEP 4.2.17	10/06/2005	11:40	10/06/2005	15:22	RD
Toluene	1.0	U	ug/L	1.0	MEDEP 4.2.17	10/06/2005	11:40	10/06/2005	15:22	RD
Total xylenes	1.0	U	ug/L	1.0	MEDEP 4.2.17	10/06/2005	11:40	10/06/2005	15:22	RD
GROAQ	10	U	ug/L	10.0	MEDEP 4.2.17	10/06/2005	11:40	10/06/2005	15:22	RD
4-Bromofluorobenzene (Surrogate)	102		%	80	MEDEP 4.2.17	10/06/2005	11:40	10/06/2005	15:22	RD
MTBE (Methyl-t-Butyl Ether)	2.0	U	ug/L	2.0	MEDEP 4.2.17	10/06/2005	11:40	10/06/2005	15:22	RD

* *The "U" qualifier indicates the compound was analyzed for but not detected.*

Methane in water	See attached		ug/ml	0.010	Mod. VSK-175	10/12/2005	17:28	10/12/2005	17:28	ATL

* *This analysis was subcontracted to Air Toxics LTD. Please see attached report (ND).*

0002

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ANALYSIS REPORT

Attention: DARREN GAINER
ECC

50 D'ANGELO DR
MARLBOROUGH MA 01752

Lab ID Number: AH11707
Project Number: ONFF
P.O. Number: 5700.007.012.620
Date Collected: 10/03/2005 02:20 PM
DateReceived: 10/03/2005 05:30 PM
Date Reported: 10/25/2005

Sample Matrix: T-BLANK
Sample Description: ONFF-QT1
Sample Type:

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time	Analysis Date/Time	Analyst

Comments:

Please see the specific analysis comment(s) above.

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Results meet the requirements of the NELAC standards unless otherwise noted above.

Reviewed By: Kelly A. Perkins **Review Date:** 10/25/2005

Kelly Perkins, Lab Manager

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ANALYSIS REPORT

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TO: ECC

DATE SAMPLED: 10/03/2005
DATE RECEIVED: 10/03/2005
DATE ANALYZED: 10/06/2005
DATE REPORTED: 10/25/2005

LABORATORY NUMBER: AH11707
SAMPLE MATRIX: T-BLANK
ANALYST: RD
SDG #: BNASONFFA

SAMPLE DESCRIPTION: ONFF-QT1

GASOLINE RANGE ORGANICS (GRO)

NEL Sample #	Client Identification	GRO Results ug/L (ppb)	Qualifier	MTBE & BTEX ug/L (ppb)*	Qualifier	Reporting Limit	Surr gate Recovery 4-BFB**
AH11707	ONFF-QT1	10	U	MTBE:2.0	U	2	102%
				Benzene:1.0	U	1	
				Toluene:1.0	U	1	
				EthylBenzene:1.0	U	1	
				TotalXylenes:1.0	U	1	

The "U" qualifier indicates the compound was analyzed for but not detected.

Results meet the requirements of the NELAC standards

* Identification of MTBE and the BTEX compounds is based on retention times on the primary column. Identity has not been confirmed. Because of the possibility of co-eluting compounds, these quantitations may be higher than the actual concentration. For a more accurate or EPA approved quantitation of these compounds request Method 8260.

**4-Bromofluorobenzene is added to the sample as a means of assessing the validity of the analysis.

NOTE: See attached method information.

Analysis was conducted according to Maine method 4.2.17, "Method for Determining Gasoline Range Organics".

Reviewed By: Kelly A. Perkins Date: 10/25/2005
Kelly Perkins, Lab Manager

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ANALYSIS REPORT

Attention: DARREN GAINER
ECC

50 D'ANGELO DR
MARLBOROUGH MA 01752

Lab ID Number: AH11708
Project Number: ONFF
P.O. Number: 5700.007.012.620
Date Collected: 10/03/2005 01:20 PM
DateReceived: 10/03/2005 05:30 PM
Date Reported: 10/28/2005

Sample Matrix: G-WATER
Sample Description: MW-NASB-702
Sample Type:

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time		Analysis Date/Time		Analyst
BTEX/MTBE in Water by 8260										
Benzene	1.0	U	ug/L	1.0	EPA 8260B	10/12/2005	12:03	10/12/2005	21:48	NMI
Ethylbenzene	1.0	U	ug/L	1.0	EPA 8260B	10/12/2005	12:03	10/12/2005	21:48	NMI
m,p-Xylene	1.0	U	ug/L	1.0	EPA 8260B	10/12/2005	12:03	10/12/2005	21:48	NMI
MTBE (Methyl-t-Butyl Ether)	1.0	U	ug/L	1.0	EPA 8260B	10/12/2005	12:03	10/12/2005	21:48	NMI
o-Xylene	1.0	U	ug/L	1.0	EPA 8260B	10/12/2005	12:03	10/12/2005	21:48	NMI
Toluene	1.0	U	ug/L	1.0	EPA 8260B	10/12/2005	12:03	10/12/2005	21:48	NMI
Toluene-d8 (Surrogate)	102		%	88	EPA 8260B	10/12/2005	12:03	10/12/2005	21:48	NMI
1,2-Dichloroethane-d4 (Surrogate)	114		%	76	EPA 8260B	10/12/2005	12:03	10/12/2005	21:48	NMI
4-Bromofluorobenzene (Surrogate)	98		%	86	EPA 8260B	10/12/2005	12:03	10/12/2005	21:48	NMI
* *The "U" qualifier indicates the compound was analyzed for but not detected.*										
Diesel Range Organics Water										
Diesel Range Organics	1500		ug/L	240	MEDEP 4.1.25	10/04/2005	8:00	10/06/2005	11:41	RD
Total Petroleum Hydrocarbons	NA		ug/L	240	MEDEP 4.1.25	10/04/2005	8:00	10/06/2005	11:41	RD
p-terphenyl (Surrogate)	See comments		%	70	MEDEP 4.1.25	10/04/2005	8:00	10/06/2005	11:41	RD
* *The chromatogram exhibits the general characteristics of a weathered fuel oil such as #2 fuel oil or diesel fuel. Reporting limits are adjusted for a five fold dilution. The surrogate was not reported due to matrix interference.*										
Gasoline Range Organics Water										
Benzene	1.0	U	ug/L	1.0	MEDEP 4.2.17	10/06/2005	11:40	10/06/2005	19:04	RD
Ethyl benzene	1.0	U	ug/L	1.0	MEDEP 4.2.17	10/06/2005	11:40	10/06/2005	19:04	RD
Toluene	1.0	U	ug/L	1.0	MEDEP 4.2.17	10/06/2005	11:40	10/06/2005	19:04	RD
Total xylenes	1.0	U	ug/L	1.0	MEDEP 4.2.17	10/06/2005	11:40	10/06/2005	19:04	RD
4-Bromofluorobenzene (Surrogate)	102		%	80	MEDEP 4.2.17	10/06/2005	11:40	10/06/2005	19:04	RD
MTBE (Methyl-t-Butyl Ether)	2.0	U	ug/L	2.0	MEDEP 4.2.17	10/06/2005	11:40	10/06/2005	19:04	RD
GROAQ	34		ug/L	10.0	MEDEP 4.2.17	10/06/2005	11:40	10/06/2005	19:04	RD
* *The chromatogram exhibits the general characteristics of a weathered fuel oil contamination. The peaks appear to include n-alkane fuel oil indicators. The "U" qualifier indicates the compound was analyzed for but not detected.*										
Alkalinity	38		mg/L	5.0	EPA 310.1	10/08/2005	11:25	10/08/2005	14:42	KLM
MEDEP 4.125-Prep Water	Completed		Date	-	MEDEP 4.125	10/04/2005	8:00	10/04/2005	10:00	JNM
Ferrous Iron	550		ug/L	25.0	SM 3500 Fe D	10/03/2005	10:30	10/06/2005	12:18	ECT
Methane in water	See attached		ug/ml	0.010	Mod. VSK-175	10/06/2005	9:44	10/06/2005	9:44	ATL
* *This analysis was subcontracted to Air Toxics LTD. Please see attached report (0.19 Methane, Ethane and Ethene ND).*								0005		
Nitrate-N	0.22		mg/L	0.1	EPA 353.2	10/04/2005	14:54	10/04/2005	15:10	MF

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ANALYSIS REPORT

Attention: DARREN GAINER
ECC

50 D'ANGELO DR
MARLBOROUGH MA 01752

Lab ID Number: AH11708
Project Number: ONFF
P.O. Number: 5700.007.012.620
Date Collected: 10/03/2005 01:20 PM
DateReceived: 10/03/2005 05:30 PM
Date Reported: 10/28/2005

Sample Matrix: G-WATER
Sample Description: MW-NASB-702
Sample Type:

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time	Analysis Date/Time	Analyst
Sulfate	18		mg/L	1.0	EPA 300	10/04/2005 8:48	10/05/2005 16:13	MF
Total Organic Carbon	22		mg/L	1	EPA 415.1	10/17/2005 7:40	10/17/2005 15:30	LL

Comments:

Results are reported on a wet weight basis.

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Results meet the requirements of the NELAC standards unless otherwise noted above.

Reviewed By: Kelly A. Perkins **Review Date:** 10/28/2005

Kelly Perkins, Lab Manager

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ANALYSIS REPORT

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TO: ECC

DATE SAMPLED:	10/03/2005	LABORATORY NUMBER:	AH11708
DATE RECEIVED:	10/03/2005	SAMPLE MATRIX:	G-WATER
DATE EXTRACTED:	10/04/2005	ANALYST:	RD
DATE ANALYZED:	10/06/2005	SDG #:	BNASONFFA
DATE REPORTED:	10/28/2005		

SAMPLE DESCRIPTION: MW-NASB-702

DIESEL RANGE ORGANICS (DRO)

METHOD SUMMARY:

The water sample is defined as the entire contents of the container including any soil or secondary phase material present. The sample was extracted three (3) times with methylene chloride using a liguid/liquid extraction technique with sodium chloride added to increase the extraction efficiency. The combined extract was passed through anhydrous sodium sulfate to remove water and was concentrated using a Zymark Turbovap Concentrator or Kuderna-Danish Concentrator. The final extract and/or dilutions of the extract were analyzed using high-resolution capillary FID Gas Chromatography (J & W DB-1 column, 0.25 micron phase, 0.32mm ID, 30 meter). The sample chromatograms were compared to hydrocarbon standard chromatograms for descriptive purposes and were compared to a DRO component standard for quantification of results.

QUANTITATION/DESCRIPTION:

NEL Sample#	Client Identification	DRO Results ug/L (ppb)*	Qualifier	Surrogate Recovery p-Terphenyl**
AH11708	MW-NASB-702	1500		See comments

The chromatogram exhibits the general characteristics of a weathered fuel oil such as #2 fuel oil or diesel fuel.
Reporting limits are adjusted for a five fold dilution. The surrogate was not reported due to matrix interference.
Results meet the requirements of the NELAC standards

NOTE:

Identification of pristane, phytane, and the n-alkanes is based on chromatographic patterns and retention times on a single column. Identity has not been confirmed. Several petroleum products have chromatographic profiles similar to one another; and product profiles change as weathering occurs. Descriptive/interpretive data has been provided for guidance only. Identity of products (either weathered or unweathered) should not be considered conclusive.

* Quantitation is based on a DRO component standard, utilizing a method defined window from carbon number 10 to 28 inclusive.

**p-Terphenyl is added to the sample prior to extraction as a means of assessing the validity of the analysis.

[ ] In instances in which the material outside the DRO window exceeds 25% of DRO, an estimated total TPH result (aproximately carbon number 9 to 40) will be given in brackets following the DRO result, utilizing the response of a DRO component standard. Only total TPH results exceeding 50 ug/L (ppb) will be listed.

Analysis was conducted according to Maine method 4.1.25, "Method for Determining Diesel Range Organics." The DRO Practical Quantitation Limit is 50 ug/L (ppb)*.

Reviewed By: Kelly A. Perkins Date: 10/28/2005
Kelly Perkins, Lab Manager

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TO: ECC

DATE SAMPLED: 10/03/2005
DATE RECEIVED: 10/03/2005
DATE ANALYZED: 10/06/2005
DATE REPORTED: 10/28/2005

LABORATORY NUMBER: AH11708
SAMPLE MATRIX: G-WATER
ANALYST: RD
SDG #: BNASONFFA

SAMPLE DESCRIPTION: MW-NASB-702

GASOLINE RANGE ORGANICS (GRO)

NEL Sample #	Client Identification	GRO Results ug/L (ppb)	Qualifier	MTBE & BTEX ug/L (ppb)*	Qualifier	Reporting Limit	Surrogate Recovery 4-BFB**
AH11708	MW-NASB-702	34		MTBE:2.0	U	2	102%
				Benzene:1.0	U	1	
				Toluene:1.0	U	1	
				EthylBenzene:1.0	U	1	
				TotalXylenes:1.0	U	1	

The chromatogram exhibits the general characteristics of a weathered fuel oil contamination. The peaks appear to include n-alkane fuel oil indicators. The "U" qualifier indicates the compound was analyzed for but not detected.

Results meet the requirements of the NELAC standards

* Identification of MTBE and the BTEX compounds is based on retention times on the primary column. Identity has not been confirmed. Because of the possibility of co-eluting compounds, these quantitations may be higher than the actual concentration. For a more accurate or EPA approved quantitation of these compounds request Method 8260.

**4-Bromofluorobenzene is added to the sample as a means of assessing the validity of the analysis.

NOTE: See attached method information.

Analysis was conducted according to Maine method 4.2.17, "Method for Determining Gasoline Range Organics".

Reviewed By: Kelly A. Perkins Date: 10/28/2005
Kelly Perkins, Lab Manager

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Section I

Final Report of Analysis

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ANALYSIS REPORT

Attention: DARREN GAINER
ECC

50 D'ANGELO DR
MARLBOROUGH MA 01752

Lab ID Number: AH11799
Project Number: NASB ONFF
P.O. Number: AH11799-803
Date Collected: 10/04/2005 11:45 AM
DateReceived: 10/04/2005 05:30 PM
Date Reported: 10/28/2005

Sample Matrix: G-WATER
Sample Description: MW-703
Sample Type: Grab

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time		Analysis Date/Time		Analyst
BTEX/MTBE in Water by 8260										
Benzene	1.0	U	ug/L	1.0	EPA 8260B	10/12/2005	12:03	10/12/2005	16:03	NMI
Ethylbenzene	1.0	U	ug/L	1.0	EPA 8260B	10/12/2005	12:03	10/12/2005	16:03	NMI
m,p-Xylene	1.0	U	ug/L	1.0	EPA 8260B	10/12/2005	12:03	10/12/2005	16:03	NMI
MTBE (Methyl-t-Butyl Ether)	1.0	U	ug/L	1.0	EPA 8260B	10/12/2005	12:03	10/12/2005	16:03	NMI
o-Xylene	1.0	U	ug/L	1.0	EPA 8260B	10/12/2005	12:03	10/12/2005	16:03	NMI
Toluene	1.0	U	ug/L	1.0	EPA 8260B	10/12/2005	12:03	10/12/2005	16:03	NMI
1,2-Dichloroethane-d4 (Surrogate)	100		%	76	EPA 8260B	10/12/2005	12:03	10/12/2005	16:03	NMI
Toluene-d8 (Surrogate)	100		%	88	EPA 8260B	10/12/2005	12:03	10/12/2005	16:03	NMI
4-Bromofluorobenzene (Surrogate)	98		%	86	EPA 8260B	10/12/2005	12:03	10/12/2005	16:03	NMI
* *The "U" qualifier indicates the compound was analyzed for but not detected.*										
Diesel Range Organics Water										
Diesel Range Organics	50	U	ug/L	50	MEDEP 4.1.25	10/05/2005	9:00	10/06/2005	22:23	RD
p-terphenyl (Surrogate)	82		%	70	MEDEP 4.1.25	10/05/2005	9:00	10/06/2005	22:23	RD
Total Petroleum Hydrocarbons	NA		ug/L	50	MEDEP 4.1.25	10/05/2005	9:00	10/06/2005	22:23	RD
* *The "U" qualifier indicates the compound was analyzed for but not detected.*										
GRO in water										
Benzene	1.0	U	ug/L	1.0	MEDEP 4.2.17	10/06/2005	11:40	10/06/2005	16:06	RD
Ethyl benzene	1.0	U	ug/L	1.0	MEDEP 4.2.17	10/06/2005	11:40	10/06/2005	16:06	RD
Toluene	1.0	U	ug/L	1.0	MEDEP 4.2.17	10/06/2005	11:40	10/06/2005	16:06	RD
Total xylenes	1.0	U	ug/L	1.0	MEDEP 4.2.17	10/06/2005	11:40	10/06/2005	16:06	RD
MTBE (Methyl-t-Butyl Ether)	2.0	U	ug/L	2.0	MEDEP 4.2.17	10/06/2005	11:40	10/06/2005	16:06	RD
GROAQ	5.0	U	ug/L	5.0	MEDEP 4.2.17	10/06/2005	11:40	10/06/2005	16:06	RD
4-Bromofluorobenzene (Surrogate)	99		%	60	MEDEP 4.2.17	10/06/2005	11:40	10/06/2005	16:06	RD
* *The "U" qualifier indicates the compound was analyzed for but not detected.*										
Alkalinity	10		mg/L	5.0	EPA 310.1	10/10/2005	13:24	10/10/2005	4:36	KLM
MEDEP 4.125-Prep Water	Completed		Date	-	MEDEP 4.125	10/05/2005	9:00	10/05/2005	11:20	JNM
Ferrous Iron	250		ug/L	25.0	SM 3500 Fe D	10/03/2005	10:30	10/06/2005	12:18	ECT
Methane in water	See attached		ug/ml	0.010	Mod. VSK-175	10/06/2005	10:05	10/06/2005	10:05	ATL
* *This analysis was subcontracted to Air Toxics LTD. Please see attached report (ND).*										
Nitrate-N	0.68		mg/L	0.1	EPA 353.2	10/06/2005	9:14	10/06/2005	9:35	MF
Sulfate	25		mg/L	1.0	EPA 300	10/04/2005	8:48	10/05/2005	16:13	MF

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ANALYSIS REPORT

Attention: DARREN GAINER
ECC

50 D'ANGELO DR
MARLBOROUGH MA 01752

Lab ID Number: AH11799
Project Number: NASB ONFF
P.O. Number: AH11799-803
Date Collected: 10/04/2005 11:45 AM
DateReceived: 10/04/2005 05:30 PM
Date Reported: 10/28/2005

Sample Matrix: G-WATER
Sample Description: MW-703
Sample Type: Grab

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time	Analysis Date/Time	Analyst
Total Organic Carbon	3.5		mg/L	1	EPA 415.1	10/17/2005 7:40	10/17/2005 15:30	LL

Comments:

Results are reported on a wet weight basis.

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Results meet the requirements of the NELAC standards unless otherwise noted above.

Reviewed By: Kelly A. Perkins **Review Date:** 10/28/2005
Kelly Perkins, Lab Manager

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ANALYSIS REPORT

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TO: ECC

DATE SAMPLED:	10/04/2005	LABORATORY NUMBER:	AH11799
DATE RECEIVED:	10/04/2005	SAMPLE MATRIX:	G-WATER
DATE EXTRACTED:	10/05/2005	ANALYST:	RD
DATE ANALYZED:	10/06/2005	SDG #:	NASBONFFB
DATE REPORTED:	10/28/2005		

SAMPLE DESCRIPTION: MW-703

DIESEL RANGE ORGANICS (DRO)

METHOD SUMMARY:

The water sample is defined as the entire contents of the container including any soil or secondary phase material present. The sample was extracted three (3) times with methylene chloride using a liguid/liquid extraction technique with sodium chloride added to increase the extraction efficiency. The combined extract was passed through anhydrous sodium sulfate to remove water and was concentrated using a Zymark Turbovap Concentrator or Kuderna-Danish Concentrator. The final extract and/or dilutions of the extract were analyzed using high-resolution capillary FID Gas Chromatography (J & W DB-1 column, 0.25 micron phase, 0.32mm ID, 30 meter). The sample chromatograms were compared to hydrocarbon standard chromatograms for descriptive purposes and were compared to a DRO component standard for quantification of results.

QUANTITATION/DESCRIPTION:

NEL Sample#	Client Identification	DRO Results ug/L (ppb)*	Qualifier	Surrogate Recovery p-Terphenyl**
AH11799	MW-703	50	U	82%

The "U" qualifier indicates the compound was analyzed for but not detected.

Results meet the requirements of the NELAC standards

NOTE:

Identification of pristane, phytane, and the n-alkanes is based on chromatographic patterns and retention times on a single column. Identity has not been confirmed. Several petroleum products have chromatographic profiles similar to one another; and product profiles change as weathering occurs. Descriptive/interpretive data has been provided for guidance only. Identity of products (either weathered or unweathered) should not be considered conclusive.

* Quantitation is based on a DRO component standard, utilizing a method defined window from carbon number 10 to 28 inclusive.

**p-Terphenyl is added to the sample prior to extraction as a means of assessing the validity of the analysis.

[ ] In instances in which the material outside the DRO window exceeds 25% of DRO, an estimated total TPH result (aproximately carbon number 9 to 40) will be given in brackets following the DRO result, utilizing the response of a DRO component standard. Only total TPH results exceeding 50 ug/L (ppb) will be listed.

Analysis was conducted according to Maine method 4.1.25, "Method for Determining Diesel Range Organics." The DRO Practical Quantitation Limit is 50 ug/L (ppb)*.

Reviewed By: Kelly A. Perkins Date: 10/28/2005
Kelly Perkins, Lab Manager

Northeast Laboratory SERVICES

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Waterville, Maine 04901-0788

227 China Road
Winslow, Maine 04901

ANALYSIS REPORT

Administrative Offices
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TO: ECC

DATE SAMPLED: 10/04/2005
DATE RECEIVED: 10/04/2005
DATE ANALYZED: 10/06/2005
DATE REPORTED: 10/28/2005

LABORATORY NUMBER: AH11799
SAMPLE MATRIX: G-WATER
ANALYST: RD
SDG #: NASBONFFB

SAMPLE DESCRIPTION: MW-703

GASOLINE RANGE ORGANICS (GRO)

NEL Sample #	Client Identification	GRO Results ug/L (ppb)	Qualifier	MTBE & BTEX ug/L (ppb)*	Qualifier	Reporting Limit	Surrogate Recovery 4-BFB**
AH11799	MW-703	5.0	U	MTBE:2.0	U	2	99%
				Benzene:1.0	U	1	
				Toluene:1.0	U	1	
				EthylBenzene:1.0	U	1	
				TotalXylenes:1.0	U	1	

The "U" qualifier indicates the compound was analyzed for but not detected.

Results meet the requirements of the NELAC standards

* Identification of MTBE and the BTEX compounds is based on retention times on the primary column. Identity has not been confirmed. Because of the possibility of co-eluting compounds, these quantitations may be higher than the actual concentration. For a more accurate or EPA approved quantitation of these compounds request Method 8260.

**4-Bromofluorobenzene is added to the sample as a means of assessing the validity of the analysis.

NOTE: See attached method information.

Analysis was conducted according to Maine method 4.2.17, "Method for Determining Gasoline Range Organics".

Reviewed By: Kelly A. Perkins Date: 10/28/2005
Kelly Perkins, Lab Manager

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ANALYSIS REPORT

Attention: DARREN GAINER
ECC

50 D'ANGELO DR
MARLBOROUGH MA 01752

Lab ID Number: AH11800
Project Number: NASB ONFF
P.O. Number: AH11799-803
Date Collected: 10/04/2005 01:45 PM
DateReceived: 10/04/2005 05:30 PM
Date Reported: 10/28/2005

Sample Matrix: G-WATER
Sample Description: MW-701
Sample Type: Grab

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time		Analysis Date/Time		Analyst
BTEX/MTBE in Water by 8260										
Benzene	1.0	U	ug/L	1.0	EPA 8260B	10/12/2005	12:03	10/12/2005	16:34	NMI
Ethylbenzene	1.0	U	ug/L	1.0	EPA 8260B	10/12/2005	12:03	10/12/2005	16:34	NMI
m,p-Xylene	1.0	U	ug/L	1.0	EPA 8260B	10/12/2005	12:03	10/12/2005	16:34	NMI
MTBE (Methyl-t-Butyl Ether)	1.0	U	ug/L	1.0	EPA 8260B	10/12/2005	12:03	10/12/2005	16:34	NMI
o-Xylene	1.0	U	ug/L	1.0	EPA 8260B	10/12/2005	12:03	10/12/2005	16:34	NMI
Toluene	1.0	U	ug/L	1.0	EPA 8260B	10/12/2005	12:03	10/12/2005	16:34	NMI
Toluene-d8 (Surrogate)	100		%	88	EPA 8260B	10/12/2005	12:03	10/12/2005	16:34	NMI
1,2-Dichloroethane-d4 (Surrogate)	98		%	76	EPA 8260B	10/12/2005	12:03	10/12/2005	16:34	NMI
4-Bromofluorobenzene (Surrogate)	98		%	86	EPA 8260B	10/12/2005	12:03	10/12/2005	16:34	NMI
* *The "U" qualifier indicates the compound was analyzed for but not detected.*										
Diesel Range Organics Water										
Diesel Range Organics	50	U	ug/L	50	MEDEP 4.1.25	10/05/2005	9:00	10/06/2005	23:05	RD
p-terphenyl (Surrogate)	85		%	70	MEDEP 4.1.25	10/05/2005	9:00	10/06/2005	23:05	RD
Total Petroleum Hydrocarbons	NA		ug/L	50	MEDEP 4.1.25	10/05/2005	9:00	10/06/2005	23:05	RD
* *The "U" qualifier indicates the compound was analyzed for but not detected.*										
GRO in water										
Benzene	1.0	U	ug/L	1.0	MEDEP 4.2.17	10/06/2005	11:40	10/06/2005	17:35	RD
Ethyl benzene	1.0	U	ug/L	1.0	MEDEP 4.2.17	10/06/2005	11:40	10/06/2005	17:35	RD
Toluene	1.0	U	ug/L	1.0	MEDEP 4.2.17	10/06/2005	11:40	10/06/2005	17:35	RD
Total xylenes	1.0	U	ug/L	1.0	MEDEP 4.2.17	10/06/2005	11:40	10/06/2005	17:35	RD
4-Bromofluorobenzene (Surrogate)	108		%	60	MEDEP 4.2.17	10/06/2005	11:40	10/06/2005	17:35	RD
MTBE (Methyl-t-Butyl Ether)	2.0	U	ug/L	2.0	MEDEP 4.2.17	10/06/2005	11:40	10/06/2005	17:35	RD
GROAQ	5.0	U	ug/L	5.0	MEDEP 4.2.17	10/06/2005	11:40	10/06/2005	17:35	RD
* *The "U" qualifier indicates the compound was analyzed for but not detected.*										
Alkalinity	75		mg/L	5.0	EPA 310.1	10/08/2005	11:25	10/08/2005	14:42	KLM
MEDEP 4.125-Prep Water	Completed		Date	-	MEDEP 4.125	10/05/2005	9:00	10/05/2005	11:20	JNM
Ferrous Iron	660		ug/L	25.0	SM 3500 Fe D	10/03/2005	10:30	10/06/2005	12:18	ECT
Methane in water	See attached		ug/ml	0.010	Mod. VSK-175	10/06/2005	10:26	10/06/2005	10:26	ATL
* *This analysis was subcontracted to Air Toxics LTD. Please see attached report (0.79 Methane, Ethane and Ethene ND).*										
Nitrate-N	0.1	U	mg/L	0.1	EPA 353.2	10/06/2005	9:14	10/06/2005	9:35	MF
Sulfate	30		mg/L	1.0	EPA 300	10/04/2005	8:48	10/05/2005	16:13	MF

0006

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ANALYSIS REPORT

Attention: DARREN GAINER
ECC

50 D'ANGELO DR
MARLBOROUGH MA 01752

Lab ID Number: AH11800
Project Number: NASB ONFF
P.O. Number: AH11799-803
Date Collected: 10/04/2005 01:45 PM
DateReceived: 10/04/2005 05:30 PM
Date Reported: 10/28/2005

Sample Matrix: G-WATER
Sample Description: MW-701
Sample Type: Grab

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time	Analysis Date/Time	Analyst
Total Organic Carbon	23		mg/L	2	EPA 415.1	10/17/2005 7:40	10/17/2005 15:30	LL

** A 1:2 dilution was required to bring the sample concentration into the calibration range. The reporting limit has been adjusted accordingly.*

Comments:

Please see the specific analysis comment(s) above.

Results are reported on a wet weight basis.

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Results meet the requirements of the NELAC standards unless otherwise noted above.

Reviewed By: Kelly A. Perkins **Review Date:** 10/28/2005
Kelly Perkins, Lab Manager

Analytical results and reports are generated by NEL at the request of and for the exclusive use of the person or entity (client) named on this report. Results, reports or copies of same will not be released by NEL to any third party without the prior express written consent from the client named in this report. This report applies only to those samples taken at the time, place and location referenced by the client. This report makes no express or implied warranty or guarantee as to the sampling methodology used by the individual performing the sampling. The client is solely responsible for the use and interpretation of these results and NEL makes no express or implied warranties as to such use or interpretation. NEL is not able to make and does not make a determination as to the environmental soundness, safety or health of a property from only the samples sent to their laboratory for analysis. Unless otherwise specified by the Client, NEL reserves the right to dispose of all samples after the testing of such samples is sufficiently completed or after a thirty-day period, whichever period is greater. NEL liability extends only to the cost of the testing.

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TO: ECC

DATE SAMPLED:	10/04/2005	LABORATORY NUMBER:	AH11800
DATE RECEIVED:	10/04/2005	SAMPLE MATRIX:	G-WATER
DATE EXTRACTED:	10/05/2005	ANALYST:	RD
DATE ANALYZED:	10/06/2005	SDG #:	NASBONFFB
DATE REPORTED:	10/28/2005		

SAMPLE DESCRIPTION: MW-701

DIESEL RANGE ORGANICS (DRO)

METHOD SUMMARY:

The water sample is defined as the entire contents of the container including any soil or secondary phase material present. The sample was extracted three (3) times with methylene chloride using a liguid/liquid extraction technique with sodium chloride added to increase the extraction efficiency. The combined extract was passed through anhydrous sodium sulfate to remove water and was concentrated using a Zymark Turbovap Concentrator or Kuderna-Danish Concentrator. The final extract and/or dilutions of the extract were analyzed using high-resolution capillary FID Gas Chromatography (J & W DB-1 column, 0.25 micron phase, 0.32mm ID, 30 meter). The sample chromatograms were compared to hydrocarbon standard chromatograms for descriptive purposes and were compared to a DRO component standard for quantification of results.

QUANTITATION/DESCRIPTION:

NEL Sample#	Client Identification	DRO Results ug/L (ppb)*	Qualifier	Surrogate Recovery p-Terphenyl**
AH11800	MW-701	50	U	85%

The "U" qualifier indicates the compound was analyzed for but not detected.

Results meet the requirements of the NELAC standards

NOTE:

Identification of pristane, phytane, and the n-alkanes is based on chromatographic patterns and retention times on a single column. Identity has not been confirmed. Several petroleum products have chromatographic profiles similar to one another; and product profiles change as weathering occurs. Descriptive/interpretive data has been provided for guidance only. Identity of products (either weathered or unweathered) should not be considered conclusive.

* Quantitation is based on a DRO component standard, utilizing a method defined window from carbon number 10 to 28 inclusive.

**p-Terphenyl is added to the sample prior to extraction as a means of assessing the validity of the analysis.

[ ] In instances in which the material outside the DRO window exceeds 25% of DRO, an estimated total TPH result (aproximately carbon number 9 to 40) will be given in brackets following the DRO result, utilizing the response of a DRO component standard. Only total TPH results exceeding 50 ug/L (ppb) will be listed.

Analysis was conducted according to Maine method 4.1.25, "Method for Determining Diesel Range Organics." The DRO Practical Quantitation Limit is 50 ug/L (ppb)*.

Reviewed By: Kelly A. Perkins Date: 10/28/2005

Kelly Perkins, Lab Manager

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TO: ECC

DATE SAMPLED: 10/04/2005
DATE RECEIVED: 10/04/2005
DATE ANALYZED: 10/06/2005
DATE REPORTED: 10/28/2005

LABORATORY NUMBER: AH11800
SAMPLE MATRIX: G-WATER
ANALYST: RD
SDG #: NASBONFFB

SAMPLE DESCRIPTION: MW-701

GASOLINE RANGE ORGANICS (GRO)

NEL Sample #	Client Identification	GRO Results ug/L (ppb)	Qualifier	MTBE & BTEX ug/L (ppb)*	Qualifier	Reporting Limit	Surrogate Recovery 4-BFB**
AH11800	MW-701	5.0	U	MTBE:2.0	U	2	108%
				Benzene:1.0	U	1	
				Toluene:1.0	U	1	
				EthylBenzene:1.0	U	1	
				TotalXylenes:1.0	U	1	

The "U" qualifier indicates the compound was analyzed for but not detected.

Results meet the requirements of the NELAC standards

* Identification of MTBE and the BTEX compounds is based on retention times on the primary column. Identity has not been confirmed. Because of the possibility of co-eluting compounds, these quantitations may be higher than the actual concentration. For a more accurate or EPA approved quantitation of these compounds request Method 8260.

**4-Bromofluorobenzene is added to the sample as a means of assessing the validity of the analysis.

NOTE: See attached method information.

Analysis was conducted according to Maine method 4.2.17, "Method for Determining Gasoline Range Organics".

Reviewed By: Kelly A. Perkins Date: 10/28/2005
Kelly Perkins, Lab Manager

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ANALYSIS REPORT

Attention: DARREN GAINER
ECC

50 D'ANGELO DR
MARLBOROUGH MA 01752

Lab ID Number: AH11801
Project Number: NASB ONFF
P.O. Number: AH11799-803
Date Collected: 10/04/2005 12:00 AM
DateReceived: 10/04/2005 05:30 PM
Date Reported: 10/28/2005

Sample Matrix: G-WATER
Sample Description: MW-NASB-DUP1
Sample Type: Grab

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time		Analysis Date/Time		Analyst
BTEX/MTBE in Water by 8260										
Benzene	1.0	U	ug/L	1.0	EPA 8260B	10/12/2005	12:03	10/12/2005	17:09	NMI
Ethylbenzene	1.0	U	ug/L	1.0	EPA 8260B	10/12/2005	12:03	10/12/2005	17:09	NMI
m,p-Xylene	1.0	U	ug/L	1.0	EPA 8260B	10/12/2005	12:03	10/12/2005	17:09	NMI
MTBE (Methyl-t-Butyl Ether)	1.0	U	ug/L	1.0	EPA 8260B	10/12/2005	12:03	10/12/2005	17:09	NMI
o-Xylene	1.0	U	ug/L	1.0	EPA 8260B	10/12/2005	12:03	10/12/2005	17:09	NMI
Toluene	1.0	U	ug/L	1.0	EPA 8260B	10/12/2005	12:03	10/12/2005	17:09	NMI
1,2-Dichloroethane-d4 (Surrogate)	101		%	76	EPA 8260B	10/12/2005	12:03	10/12/2005	17:09	NMI
Toluene-d8 (Surrogate)	101		%	88	EPA 8260B	10/12/2005	12:03	10/12/2005	17:09	NMI
4-Bromofluorobenzene (Surrogate)	97		%	86	EPA 8260B	10/12/2005	12:03	10/12/2005	17:09	NMI
* *The "U" qualifier indicates the compound was analyzed for but not detected.*										
Diesel Range Organics Water										
Diesel Range Organics	50	U	ug/L	50	MEDEP 4.1.25	10/05/2005	9:00	10/06/2005	21:41	RD
p-terphenyl (Surrogate)	93		%	70	MEDEP 4.1.25	10/05/2005	9:00	10/06/2005	21:41	RD
Total Petroleum Hydrocarbons	NA		ug/L	50	MEDEP 4.1.25	10/05/2005	9:00	10/06/2005	21:41	RD
* *The "U" qualifier indicates the compound was analyzed for but not detected.*										
GRO in water										
Benzene	1.0	U	ug/L	1.0	MEDEP 4.2.17	10/06/2005	11:40	10/06/2005	18:20	RD
Ethyl benzene	1.0	U	ug/L	1.0	MEDEP 4.2.17	10/06/2005	11:40	10/06/2005	18:20	RD
Toluene	1.0	U	ug/L	1.0	MEDEP 4.2.17	10/06/2005	11:40	10/06/2005	18:20	RD
Total xylenes	1.0	U	ug/L	1.0	MEDEP 4.2.17	10/06/2005	11:40	10/06/2005	18:20	RD
4-Bromofluorobenzene (Surrogate)	104		%	60	MEDEP 4.2.17	10/06/2005	11:40	10/06/2005	18:20	RD
MTBE (Methyl-t-Butyl Ether)	2.0	U	ug/L	2.0	MEDEP 4.2.17	10/06/2005	11:40	10/06/2005	18:20	RD
GROAQ	5.0	U	ug/L	5.0	MEDEP 4.2.17	10/06/2005	11:40	10/06/2005	18:20	RD
* *The "U" qualifier indicates the compound was analyzed for but not detected.*										
Alkalinity	11		mg/L	5.0	EPA 310.1	10/10/2005	13:24	10/10/2005	4:36	KLM
MEDEP 4.125-Prep Water	Completed		Date	-	MEDEP 4.125	10/05/2005	9:00	10/05/2005	11:20	JNM
Ferrous Iron	230		ug/L	25.0	SM 3500 Fe D	10/03/2005	10:30	10/06/2005	12:18	ECT
Methane in water	See attached		ug/ml	0.010	Mod. VSK-175	10/06/2005	10:48	10/06/2005	10:48	ATL
* *This analysis was subcontracted to Air Toxics LTD. Please see attached report (ND).*										
Nitrate-N	0.63		mg/L	0.1	EPA 353.2	10/06/2005	9:14	10/06/2005	9:35	MF
Sulfate	24		mg/L	1.0	EPA 300	10/04/2005	8:48	10/05/2005	16:13	MF

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ANALYSIS REPORT

Attention: DARREN GAINER
ECC

50 D'ANGELO DR
MARLBOROUGH MA 01752

Lab ID Number: AH11801
Project Number: NASB ONFF
P.O. Number: AH11799-803
Date Collected: 10/04/2005 12:00 AM
DateReceived: 10/04/2005 05:30 PM
Date Reported: 10/28/2005

Sample Matrix: G-WATER
Sample Description: MW-NASB-DUP1
Sample Type: Grab

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time	Analysis Date/Time	Analyst
Total Organic Carbon	3.6		mg/L	1	EPA 415.1	10/17/2005 7:40	10/17/2005 15:30	LL

Comments:

Results are reported on a wet weight basis.

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Results meet the requirements of the NELAC standards unless otherwise noted above.

Reviewed By: Kelly A. Perkins **Review Date:** 10/28/2005
Kelly Perkins, Lab Manager

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ANALYSIS REPORT

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TO: ECC

DATE SAMPLED:	10/04/2005	LABORATORY NUMBER:	AH11801
DATE RECEIVED:	10/04/2005	SAMPLE MATRIX:	G-WATER
DATE EXTRACTED:	10/05/2005	ANALYST:	RD
DATE ANALYZED:	10/06/2005	SDG #:	NASBONFFB
DATE REPORTED:	10/28/2005		

SAMPLE DESCRIPTION: MW-NASB-DUP1

DIESEL RANGE ORGANICS (DRO)

METHOD SUMMARY:

The water sample is defined as the entire contents of the container including any soil or secondary phase material present. The sample was extracted three (3) times with methylene chloride using a liguid/liquid extraction technique with sodium chloride added to increase the extraction efficiency. The combined extract was passed through anhydrous sodium sulfate to remove water and was concentrated using a Zymark Turbovap Concentrator or Kuderna-Danish Concentrator. The final extract and/or dilutions of the extract were analyzed using high-resolution capillary FID Gas Chromatography (J & W DB-1 column, 0.25 micron phase, 0.32mm ID, 30 meter). The sample chromatograms were compared to hydrocarbon standard chromatograms for descriptive purposes and were compared to a DRO component standard for quantification of results.

QUANTITATION/DESCRIPTION:

NEL Sample#	Client Identification	DRO Results ug/L (ppb)*	Qualifier	Surrogate Recovery p-Terphenyl**
AH11801	MW-NASB-DUP1	50	U	93%

The "U" qualifier indicates the compound was analyzed for but not detected.

Results meet the requirements of the NELAC standards

NOTE:

Identification of pristane, phytane, and the n-alkanes is based on chromatographic patterns and retention times on a single column. Identity has not been confirmed. Several petroleum products have chromatographic profiles similar to one another; and product profiles change as weathering occurs. Descriptive/interpretive data has been provided for guidance only. Identity of products (either weathered or unweathered) should not be considered conclusive.

* Quantitation is based on a DRO component standard, utilizing a method defined window from carbon number 10 to 28 inclusive.

**p-Terphenyl is added to the sample prior to extraction as a means of assessing the validity of the analysis.

[ ] In instances in which the material outside the DRO window exceeds 25% of DRO, an estimated total TPH result (aproximately carbon number 9 to 40) will be given in brackets following the DRO result, utilizing the response of a DRO component standard. Only total TPH results exceeding 50 ug/L (ppb) will be listed.

Analysis was conducted according to Maine method 4.1.25, "Method for Determining Diesel Range Organics." The DRO Practical Quantitation Limit is 50 ug/L (ppb)*.

Reviewed By: Kelly A. Perkins Date: 10/28/2005
Kelly Perkins, Lab Manager

Northeast Laboratory SERVICES
P.O. Box 788
Waterville, Maine 04901-0788

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ANALYSIS REPORT

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TO: ECC

DATE SAMPLED: 10/04/2005
DATE RECEIVED: 10/04/2005
DATE ANALYZED: 10/06/2005
DATE REPORTED: 10/28/2005

LABORATORY NUMBER: AH11801
SAMPLE MATRIX: G-WATER
ANALYST: RD
SDG #: NASBONFFB

SAMPLE DESCRIPTION: MW-NASB-DUP1

GASOLINE RANGE ORGANICS (GRO)

NEL Sample #	Client Identification	GRO Results ug/L (ppb)	Qualifier	MTBE & BTEX ug/L (ppb)*	Qualifier	Reporting Limit	Surrogate Recovery 4-BFB**
AH11801	MW-NASB-DUP1	5.0	U	MTBE:2.0	U	2	104%
				Benzene:1.0	U	1	
				Toluene:1.0	U	1	
				EthylBenzene:1.0	U	1	
				TotalXylenes:1.0	U	1	

The "U" qualifier indicates the compound was analyzed for but not detected.

Results meet the requirements of the NELAC standards

* Identification of MTBE and the BTEX compounds is based on retention times on the primary column. Identity has not been confirmed. Because of the possibility of co-eluting compounds, these quantitations may be higher than the actual concentration. For a more accurate or EPA approved quantitation of these compounds request Method 8260.

**4-Bromofluorobenzene is added to the sample as a means of assessing the validity of the analysis.

NOTE: See attached method information.

Analysis was conducted according to Maine method 4.2.17, "Method for Determining Gasoline Range Organics".

Reviewed By: Kelly A. Perkins Date: 10/28/2005
Kelly Perkins, Lab Manager

Northeast Laboratory SERVICES

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ANALYSIS REPORT

Attention: DARREN GAINER
ECC

50 D'ANGELO DR
MARLBOROUGH MA 01752

Lab ID Number: AH11802
Project Number: NASB ONFF
P.O. Number: AH11799-803
Date Collected: 10/04/2005 12:00 PM
DateReceived: 10/04/2005 05:30 PM
Date Reported: 10/25/2005

Sample Matrix: G-WATER
Sample Description: ONFF-QT-2
Sample Type: Grab

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time		Analysis Date/Time		Analyst
BTEX/MTBE in Water by 8260										
Benzene	1.0	U	ug/L	1.0	EPA 8260B	10/12/2005	12:03	10/12/2005	17:44	NMI
Ethylbenzene	1.0	U	ug/L	1.0	EPA 8260B	10/12/2005	12:03	10/12/2005	17:44	NMI
m,p-Xylene	1.0	U	ug/L	1.0	EPA 8260B	10/12/2005	12:03	10/12/2005	17:44	NMI
MTBE (Methyl-t-Butyl Ether)	1.0	U	ug/L	1.0	EPA 8260B	10/12/2005	12:03	10/12/2005	17:44	NMI
o-Xylene	1.0	U	ug/L	1.0	EPA 8260B	10/12/2005	12:03	10/12/2005	17:44	NMI
Toluene	1.0	U	ug/L	1.0	EPA 8260B	10/12/2005	12:03	10/12/2005	17:44	NMI
Toluene-d8 (Surrogate)	101		%	88	EPA 8260B	10/12/2005	12:03	10/12/2005	17:44	NMI
1,2-Dichloroethane-d4 (Surrogate)	93		%	76	EPA 8260B	10/12/2005	12:03	10/12/2005	17:44	NMI
4-Bromofluorobenzene (Surrogate)	98		%	86	EPA 8260B	10/12/2005	12:03	10/12/2005	17:44	NMI
* *The "U" qualifier indicates the compound was analyzed for but not detected.*										
Gasoline Range Organics Water										
Benzene	1.0	U	ug/L	1.0	MEDEP 4.2.17	10/06/2005	11:40	10/06/2005	16:51	RD
Ethyl benzene	1.0	U	ug/L	1.0	MEDEP 4.2.17	10/06/2005	11:40	10/06/2005	16:51	RD
Toluene	1.0	U	ug/L	1.0	MEDEP 4.2.17	10/06/2005	11:40	10/06/2005	16:51	RD
Total xylenes	1.0	U	ug/L	1.0	MEDEP 4.2.17	10/06/2005	11:40	10/06/2005	16:51	RD
GROAQ	10	U	ug/L	10.0	MEDEP 4.2.17	10/06/2005	11:40	10/06/2005	16:51	RD
4-Bromofluorobenzene (Surrogate)	102		%	80	MEDEP 4.2.17	10/06/2005	11:40	10/06/2005	16:51	RD
MTBE (Methyl-t-Butyl Ether)	2.0	U	ug/L	2.0	MEDEP 4.2.17	10/06/2005	11:40	10/06/2005	16:51	RD
* *The "U" qualifier indicates the compound was analyzed for but not detected.*										
Methane in water	See attached		ug/ml	0.010	Mod. VSK-175	10/06/2005	11:09	10/06/2005	11:09	ATL
* *This analysis was subcontracted to Air Toxics LTD. Please see attached report (ND).*										

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ANALYSIS REPORT

Attention: DARREN GAINER
ECC

50 D'ANGELO DR
MARLBOROUGH MA 01752

Lab ID Number: AH11802
Project Number: NASB ONFF
P.O. Number: AH11799-803
Date Collected: 10/04/2005 12:00 PM
DateReceived: 10/04/2005 05:30 PM
Date Reported: 10/25/2005

Sample Matrix: G-WATER
Sample Description: ONFF-QT-2
Sample Type: Grab

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time	Analysis Date/Time	Analyst

Comments:

Please see the specific analysis comment(s) above.

Results are reported on a wet weight basis.

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Results meet the requirements of the NELAC standards unless otherwise noted above.

Reviewed By: Kelly A. Perkins **Review Date:** 10/25/2005

Kelly Perkins, Lab Manager

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ANALYSIS REPORT

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TO: ECC

DATE SAMPLED: 10/04/2005
DATE RECEIVED: 10/04/2005
DATE ANALYZED: 10/06/2005
DATE REPORTED: 10/25/2005

LABORATORY NUMBER: AH11802
SAMPLE MATRIX: G-WATER
ANALYST: RD
SDG #: NASBONFFB

SAMPLE DESCRIPTION: ONFF-QT-2

GASOLINE RANGE ORGANICS (GRO)

NEL Sample #	Client Identification	GRO Results ug/L (ppb)	Qualifier	MTBE & BTEX ug/L (ppb)*	Qualifier	Reporting Limit	Surrogate Recovery 4-BFB**
AH11802	ONFF-QT-2	10	U	MTBE:2.0	U	2	102%
				Benzene:1.0	U	1	
				Toluene:1.0	U	1	
				EthylBenzene:1.0	U	1	
				TotalXylenes:1.0	U	1	

The "U" qualifier indicates the compound was analyzed for but not detected.

Results meet the requirements of the NELAC standards

* Identification of MTBE and the BTEX compounds is based on retention times on the primary column. Identity has not been confirmed. Because of the possibility of co-eluting compounds, these quantitations may be higher than the actual concentration. For a more accurate or EPA approved quantitation of these compounds request Method 8260.

**4-Bromofluorobenzene is added to the sample as a means of assessing the validity of the analysis.

NOTE: See attached method information.

Analysis was conducted according to Maine method 4.2.17, "Method for Determining Gasoline Range Organics".

Reviewed By: Kelly A. Perkins Date: 10/25/2005
Kelly Perkins, Lab Manager

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ANALYSIS REPORT

Attention: DARREN GAINER
ECC

50 D'ANGELO DR
MARLBOROUGH MA 01752

Lab ID Number: AH11803
Project Number: NASB ONFF
P.O. Number: AH11799-803
Date Collected: 10/04/2005 02:45 PM
DateReceived: 10/04/2005 05:30 PM
Date Reported: 10/28/2005

Sample Matrix: G-WATER
Sample Description: MW-NASB-051
Sample Type: Grab

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time		Analysis Date/Time		Analyst
BTEX/MTBE in Water by 8260										
Benzene	1.0	U	ug/L	1.0	EPA 8260B	10/12/2005	12:03	10/12/2005	18:54	NMI
Ethylbenzene	1.0	U	ug/L	1.0	EPA 8260B	10/12/2005	12:03	10/12/2005	18:54	NMI
m,p-Xylene	1.0	U	ug/L	1.0	EPA 8260B	10/12/2005	12:03	10/12/2005	18:54	NMI
MTBE (Methyl-t-Butyl Ether)	1.0	U	ug/L	1.0	EPA 8260B	10/12/2005	12:03	10/12/2005	18:54	NMI
o-Xylene	1.0	U	ug/L	1.0	EPA 8260B	10/12/2005	12:03	10/12/2005	18:54	NMI
Toluene	1.0	U	ug/L	1.0	EPA 8260B	10/12/2005	12:03	10/12/2005	18:54	NMI
Toluene-d8 (Surrogate)	101		%	88	EPA 8260B	10/12/2005	12:03	10/12/2005	18:54	NMI
1,2-Dichloroethane-d4 (Surrogate)	102		%	76	EPA 8260B	10/12/2005	12:03	10/12/2005	18:54	NMI
4-Bromofluorobenzene (Surrogate)	98		%	86	EPA 8260B	10/12/2005	12:03	10/12/2005	18:54	NMI
** The "U" qualifier indicates the compound was analyzed for but not detected.*										
Diesel Range Organics Water										
Diesel Range Organics	50	U	ug/L	50	MEDEP 4.1.25	10/05/2005	9:00	10/06/2005	20:59	RD
p-terphenyl (Surrogate)	97		%	70	MEDEP 4.1.25	10/05/2005	9:00	10/06/2005	20:59	RD
Total Petroleum Hydrocarbons	NA		ug/L	50	MEDEP 4.1.25	10/05/2005	9:00	10/06/2005	20:59	RD
** The "U" qualifier indicates the compound was analyzed for but not detected.*										
Alkalinity	28		mg/L	5.0	EPA 310.1	10/08/2005	11:25	10/08/2005	14:42	KLM
MEDEP 4.125-Prep Water	Completed		Date	-	MEDEP 4.125	10/05/2005	9:00	10/05/2005	11:20	JNM
Ferrous Iron	790		ug/L	25.0	SM 3500 Fe D	10/03/2005	10:30	10/06/2005	12:18	ECT
Methane in water	See attached		ug/ml	0.010	Mod. VSK-175	10/06/2005	11:30	10/06/2005	11:30	ATL
** This analysis was subcontracted to Air Toxics LTD. Please see attached report (0.058 Methane, Ethane and Ethene ND).*										
Nitrate-N	0.1	U	mg/L	0.1	EPA 353.2	10/06/2005	9:14	10/06/2005	9:35	MF
Sulfate	5.0		mg/L	1.0	EPA 300	10/04/2005	8:48	10/05/2005	16:13	MF
Total Organic Carbon	1.8		mg/L	1	EPA 415.1	10/17/2005	7:40	10/17/2005	15:30	LL

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ANALYSIS REPORT

Attention: DARREN GAINER
ECC

50 D'ANGELO DR
MARLBOROUGH MA 01752

Lab ID Number: AH11803
Project Number: NASB ONFF
P.O. Number: AH11799-803
Date Collected: 10/04/2005 02:45 PM
DateReceived: 10/04/2005 05:30 PM
Date Reported: 10/28/2005

Sample Matrix: G-WATER
Sample Description: MW-NASB-051
Sample Type: Grab

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time	Analysis Date/Time	Analyst

Comments:

Results are reported on a wet weight basis.

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Results meet the requirements of the NELAC standards unless otherwise noted above.

Reviewed By: Kelly A. Perkins **Review Date:** 10/28/2005
Kelly Perkins, Lab Manager

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TO: ECC

DATE SAMPLED:	10/04/2005	LABORATORY NUMBER:	AH11803
DATE RECEIVED:	10/04/2005	SAMPLE MATRIX:	G-WATER
DATE EXTRACTED:	10/05/2005	ANALYST:	RD
DATE ANALYZED:	10/06/2005	SDG #:	NASBONFFB
DATE REPORTED:	10/28/2005		

SAMPLE DESCRIPTION: MW-NASB-051

DIESEL RANGE ORGANICS (DRO)

METHOD SUMMARY:

The water sample is defined as the entire contents of the container including any soil or secondary phase material present. The sample was extracted three (3) times with methylene chloride using a liguid/liquid extraction technique with sodium chloride added to increase the extraction efficiency. The combined extract was passed through anhydrous sodium sulfate to remove water and was concentrated using a Zymark Turbovap Concentrator or Kuderna-Danish Concentrator. The final extract and/or dilutions of the extract were analyzed using high-resolution capillary FID Gas Chromatography (J & W DB-1 column, 0.25 micron phase, 0.32mm ID, 30 meter). The sample chromatograms were compared to hydrocarbon standard chromatograms for descriptive purposes and were compared to a DRO component standard for quantification of results.

QUANTITATION/DESCRIPTION:

NEL Sample#	Client Identification	DRO Results ug/L (ppb)*	Qualifier	Surrogate Recovery p-Terphenyl**
AH11803	MW-NASB-051	50	U	97%

The "U" qualifier indicates the compound was analyzed for but not detected.

Results meet the requirements of the NELAC standards

NOTE:

Identification of pristane, phytane, and the n-alkanes is based on chromatographic patterns and retention times on a single column. Identity has not been confirmed. Several petroleum products have chromatographic profiles similar to one another; and product profiles change as weathering occurs. Descriptive/interpretive data has been provided for guidance only. Identity of products (either weathered or unweathered) should not be considered conclusive.

* Quantitation is based on a DRO component standard, utilizing a method defined window from carbon number 10 to 28 inclusive.

**p-Terphenyl is added to the sample prior to extraction as a means of assessing the validity of the analysis.

[ ] In instances in which the material outside the DRO window exceeds 25% of DRO, an estimated total TPH result (aproximately carbon number 9 to 40) will be given in brackets following the DRO result, utilizing the response of a DRO component standard. Only total TPH results exceeding 50 ug/L (ppb) will be listed.

Analysis was conducted according to Maine method 4.1.25, "Method for Determining Diesel Range Organics." The DRO Practical Quantitation Limit is 50 ug/L (ppb)*.

Reviewed By: Kelly A. Perkins Date: 10/28/2005
Kelly Perkins, Lab Manager

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ANALYSIS REPORT

Attention: DARREN GAINER
ECC

50 D'ANGELO DR
MARLBOROUGH MA 01752

Lab ID Number: AH11891
Project Number: NASB ONFF
P.O. Number: AH11891-94
Date Collected: 10/05/2005 10:15 AM
DateReceived: 10/06/2005 07:30 AM
Date Reported: 10/28/2005

Sample Matrix: G-WATER
Sample Description: MW-NASB-058
Sample Type: Grab

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time		Analysis Date/Time		Analyst
BTEX/MTBE in Water by 8260										
Benzene	1.0	U	ug/L	1.0	EPA 8260B	10/12/2005	12:03	10/12/2005	19:29	NMI
Ethylbenzene	1.0	U	ug/L	1.0	EPA 8260B	10/12/2005	12:03	10/12/2005	19:29	NMI
m,p-Xylene	1.0	U	ug/L	1.0	EPA 8260B	10/12/2005	12:03	10/12/2005	19:29	NMI
MTBE (Methyl-t-Butyl Ether)	1.0	U	ug/L	1.0	EPA 8260B	10/12/2005	12:03	10/12/2005	19:29	NMI
o-Xylene	1.0	U	ug/L	1.0	EPA 8260B	10/12/2005	12:03	10/12/2005	19:29	NMI
Toluene	1.0	U	ug/L	1.0	EPA 8260B	10/12/2005	12:03	10/12/2005	19:29	NMI
Toluene-d8 (Surrogate)	100		%	88	EPA 8260B	10/12/2005	12:03	10/12/2005	19:29	NMI
1,2-Dichloromethane-d4 (Surrogate)	104		%	76	EPA 8260B	10/12/2005	12:03	10/12/2005	19:29	NMI
4-Bromofluorobenzene (Surrogate)	97		%	86	EPA 8260B	10/12/2005	12:03	10/12/2005	19:29	NMI
* *The "U" qualifier indicates the compound was analyzed for but not detected.*										
Diesel Range Organics Water										
p-terphenyl (Surrogate)	119		%	70	MEDEP 4.1.25	10/11/2005	8:00	10/13/2005	18:16	RD
Diesel Range Organics	50	U	ug/L	50	MEDEP 4.1.25	10/11/2005	8:00	10/13/2005	18:16	RD
Total Petroleum Hydrocarbons	NA		ug/L	50	MEDEP 4.1.25	10/11/2005	8:00	10/13/2005	18:16	RD
* *The "U" qualifier indicates the compound was analyzed for but not detected.*										
Alkalinity	42		mg/L	5.0	EPA 310.1	10/08/2005	11:25	10/08/2005	14:42	KLM
MEDEP 4.125-Prep Water	Completed		Date	-	MEDEP 4.125	10/11/2005	8:00	10/11/2005	11:15	JNM
Ferrous Iron	1100		ug/L	25.0	SM 3500 Fe D	10/06/2005	8:30	10/06/2005	8:45	ECT
Methane in water	See attached		ug/ml	0.010	Mod. VSK-175	10/12/2005	15:42	10/12/2005	15:42	ATL
* *This analysis was subcontracted to Air Toxics LTD. Please see attached report (ND).*										
Nitrate-N	0.1	U	mg/L	0.1	EPA 353.2	10/06/2005	9:14	10/06/2005	9:35	MF
Sulfate	27		mg/L	1.0	EPA 300	10/06/2005	12:59	10/07/2005	2:42	MF
Total Organic Carbon	5.8		mg/L	1	EPA 415.1	10/17/2005	7:40	10/17/2005	15:30	LL

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ANALYSIS REPORT

Attention: DARREN GAINER
ECC

50 D'ANGELO DR
MARLBOROUGH MA 01752

Lab ID Number: AH11891
Project Number: NASB ONFF
P.O. Number: AH11891-94
Date Collected: 10/05/2005 10:15 AM
DateReceived: 10/06/2005 07:30 AM
Date Reported: 10/28/2005

Sample Matrix: G-WATER
Sample Description: MW-NASB-058
Sample Type: Grab

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time	Analysis Date/Time	Analyst

Comments:

Results are reported on a wet weight basis.

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Results meet the requirements of the NELAC standards unless otherwise noted above.

Reviewed By: Kelly A. Perkins **Review Date:** 10/28/2005
Kelly Perkins, Lab Manager

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TO: ECC

DATE SAMPLED:	10/05/2005	LABORATORY NUMBER:	AH11891
DATE RECEIVED:	10/06/2005	SAMPLE MATRIX:	G-WATER
DATE EXTRACTED:	10/11/2005	ANALYST:	RD
DATE ANALYZED:	10/13/2005	SDG #:	BNASONFFC
DATE REPORTED:	10/28/2005		

SAMPLE DESCRIPTION: MW-NASB-058

DIESEL RANGE ORGANICS (DRO)

METHOD SUMMARY:

The water sample is defined as the entire contents of the container including any soil or secondary phase material present. The sample was extracted three (3) times with methylene chloride using a liguid/liquid extraction technique with sodium chloride added to increase the extraction efficiency. The combined extract was passed through anhydrous sodium sulfate to remove water and was concentrated using a Zymark Turbovap Concentrator or Kuderna-Danish Concentrator. The final extract and/or dilutions of the extract were analyzed using high-resolution capillary FID Gas Chromatography (J & W DB-1 column, 0.25 micron phase, 0.32mm ID, 30 meter). The sample chromatograms were compared to hydrocarbon standard chromatograms for descriptive purposes and were compared to a DRO component standard for quantification of results.

QUANTITATION/DESCRIPTION:

NEL Sample#	Client Identification	DRO Results ug/L (ppb)*	Qualifier	Surrogate Recovery p-Terphenyl**
AH11891	MW-NASB-058	50	U	119%

The "U" qualifier indicates the compound was analyzed for but not detected.

Results meet the requirements of the NELAC standards

NOTE:

Identification of pristane, phytane, and the n-alkanes is based on chromatographic patterns and retention times on a single column. Identity has not been confirmed. Several petroleum products have chromatographic profiles similar to one another; and product profiles change as weathering occurs. Descriptive/interpretive data has been provided for guidance only. Identity of products (either weathered or unweathered) should not be considered conclusive.

* Quantitation is based on a DRO component standard, utilizing a method defined window from carbon number 10 to 28 inclusive.

**p-Terphenyl is added to the sample prior to extraction as a means of assessing the validity of the analysis.

[ ] In instances in which the material outside the DRO window exceeds 25% of DRO, an estimated total TPH result (aproximately carbon number 9 to 40) will be given in brackets following the DRO result, utilizing the response of a DRO component standard. Only total TPH results exceeding 50 ug/L (ppb) will be listed.

Analysis was conducted according to Maine method 4.1.25, "Method for Determining Diesel Range Organics." The DRO Practical Quantitation Limit is 50 ug/L (ppb)*.

Reviewed By: Kelly A. Perkins Date: 10/28/2005

Kelly Perkins, Lab Manager

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ANALYSIS REPORT

Attention: DARREN GAINER
ECC

50 D'ANGELO DR
MARLBOROUGH MA 01752

Lab ID Number: AH11892
Project Number: NASB ONFF
P.O. Number: AH11891-94
Date Collected: 10/05/2005 11:30 AM
DateReceived: 10/06/2005 07:30 AM
Date Reported: 10/28/2005

Sample Matrix: G-WATER
Sample Description: MW-NASB-062
Sample Type: Grab

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time		Analysis Date/Time		Analyst
BTEX/MTBE in Water by 8260										
Benzene	1.0	U	ug/L	1.0	EPA 8260B	10/12/2005	12:03	10/12/2005	20:04	NMI
Ethylbenzene	1.0	U	ug/L	1.0	EPA 8260B	10/12/2005	12:03	10/12/2005	20:04	NMI
m,p-Xylene	1.0	U	ug/L	1.0	EPA 8260B	10/12/2005	12:03	10/12/2005	20:04	NMI
MTBE (Methyl-t-Butyl Ether)	1.0	U	ug/L	1.0	EPA 8260B	10/12/2005	12:03	10/12/2005	20:04	NMI
o-Xylene	1.0	U	ug/L	1.0	EPA 8260B	10/12/2005	12:03	10/12/2005	20:04	NMI
Toluene	1.0	U	ug/L	1.0	EPA 8260B	10/12/2005	12:03	10/12/2005	20:04	NMI
Toluene-d8 (Surrogate)	101		%	88	EPA 8260B	10/12/2005	12:03	10/12/2005	20:04	NMI
1,2-Dichloroethane-d4 (Surrogate)	113		%	76	EPA 8260B	10/12/2005	12:03	10/12/2005	20:04	NMI
4-Bromofluorobenzene (Surrogate)	97		%	86	EPA 8260B	10/12/2005	12:03	10/12/2005	20:04	NMI
* *The "U" qualifier indicates the compound was analyzed for but not detected.*										
Diesel Range Organics Water										
p-terphenyl (Surrogate)	105		%	70	MEDEP 4.1.25	10/11/2005	8:00	10/13/2005	19:03	RD
Diesel Range Organics	50	U	ug/L	50	MEDEP 4.1.25	10/11/2005	8:00	10/13/2005	19:03	RD
Total Petroleum Hydrocarbons	NA		ug/L	50	MEDEP 4.1.25	10/11/2005	8:00	10/13/2005	19:03	RD
* *The "U" qualifier indicates the compound was analyzed for but not detected.*										
Alkalinity	14		mg/L	5.0	EPA 310.1	10/10/2005	13:24	10/10/2005	4:36	KLM
MEDEP 4.125-Prep Water	Completed		Date	-	MEDEP 4.125	10/11/2005	8:00	10/11/2005	11:15	JNM
Ferrous Iron	130		ug/L	25.0	SM 3500 Fe D	10/06/2005	8:30	10/06/2005	8:45	ECT
Methane in water	See attached		ug/ml	0.010	Mod. VSK-175	10/12/2005	16:03	10/12/2005	16:02	ATL
* *This analysis was subcontracted to Air Toxics LTD. Please see attached report (ND).*										
Nitrate-N	0.1	U	mg/L	0.1	EPA 353.2	10/06/2005	9:14	10/06/2005	9:35	MF
Sulfate	6.0		mg/L	1.0	EPA 300	10/06/2005	12:59	10/07/2005	2:59	MF
Total Organic Carbon	3.9		mg/L	1	EPA 415.1	10/17/2005	7:40	10/17/2005	15:30	LL

0005

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ANALYSIS REPORT

Attention: DARREN GAINER
ECC

50 D'ANGELO DR
MARLBOROUGH MA 01752

Lab ID Number: AH11892
Project Number: NASB ONFF
P.O. Number: AH11891-94
Date Collected: 10/05/2005 11:30 AM
DateReceived: 10/06/2005 07:30 AM
Date Reported: 10/28/2005

Sample Matrix: G-WATER
Sample Description: MW-NASB-062
Sample Type: Grab

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time	Analysis Date/Time	Analyst

Comments:

Results are reported on a wet weight basis.

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Results meet the requirements of the NELAC standards unless otherwise noted above.

Reviewed By: Kelly A. Perkins **Review Date:** 10/28/2005
Kelly Perkins, Lab Manager

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ANALYSIS REPORT

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TO: ECC

DATE SAMPLED:	10/05/2005	LABORATORY NUMBER:	AH11892
DATE RECEIVED:	10/06/2005	SAMPLE MATRIX:	G-WATER
DATE EXTRACTED:	10/11/2005	ANALYST:	RD
DATE ANALYZED:	10/13/2005	SDG #:	BNASONFFC
DATE REPORTED:	10/28/2005		

SAMPLE DESCRIPTION: MW-NASB-062

DIESEL RANGE ORGANICS (DRO)

METHOD SUMMARY:

The water sample is defined as the entire contents of the container including any soil or secondary phase material present. The sample was extracted three (3) times with methylene chloride using a liguid/liquid extraction technique with sodium chloride added to increase the extraction efficiency. The combined extract was passed through anhydrous sodium sulfate to remove water and was concentrated using a Zymark Turbovap Concentrator or Kuderna-Danish Concentrator. The final extract and/or dilutions of the extract were analyzed using high-resolution capillary FID Gas Chromatography (J & W DB-1 column, 0.25 micron phase, 0.32mm ID, 30 meter). The sample chromatograms were compared to hydrocarbon standard chromatograms for descriptive purposes and were compared to a DRO component standard for quantification of results.

QUANTITATION/DESCRIPTION:

NEL Sample#	Client Identification	DRO Results ug/L (ppb)*	Qualifier	Surrogate Recovery p-Terphenyl**
AH11892	MW-NASB-062	50	U	105%

The "U" qualifier indicates the compound was analyzed for but not detected.

Results meet the requirements of the NELAC standards

NOTE:

Identification of pristane, phytane, and the n-alkanes is based on chromatographic patterns and retention times on a single column. Identity has not been confirmed. Several petroleum products have chromatographic profiles similar to one another; and product profiles change as weathering occurs. Descriptive/interpretive data has been provided for guidance only. Identity of products (either weathered or unweathered) should not be considered conclusive.

* Quantitation is based on a DRO component standard, utilizing a method defined window from carbon number 10 to 28 inclusive.

**p-Terphenyl is added to the sample prior to extraction as a means of assessing the validity of the analysis.

[ ] In instances in which the material outside the DRO window exceeds 25% of DRO, an estimated total TPH result (aproximately carbon number 9 to 40) will be given in brackets following the DRO result, utilizing the response of a DRO component standard. Only total TPH results exceeding 50 ug/L (ppb) will be listed.

Analysis was conducted according to Maine method 4.1.25, "Method for Determining Diesel Range Organics." The DRO Practical Quantitation Limit is 50 ug/L (ppb)*.

Reviewed By: Kelly A. Perkins Date: 10/28/2005
Kelly Perkins, Lab Manager

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ANALYSIS REPORT

Attention: DARREN GAINER
ECC

50 D'ANGELO DR
MARLBOROUGH MA 01752

Lab ID Number: AH11893
Project Number: NASB ONFF
P.O. Number: AH11891-94
Date Collected: 10/05/2005 01:10 PM
DateReceived: 10/06/2005 07:30 AM
Date Reported: 10/28/2005

Sample Matrix: G-WATER
Sample Description: MW-NASB-098
Sample Type: Grab

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time		Analysis Date/Time		Analyst
BTEX/MTBE in Water by 8260										
MTBE (Methyl-t-Butyl Ether)	0.44	J	ug/L	1.0	EPA 8260B	10/12/2005	12:03	10/12/2005	20:38	NMI
Benzene	1.0	U	ug/L	1.0	EPA 8260B	10/12/2005	12:03	10/12/2005	20:38	NMI
Ethylbenzene	1.0	U	ug/L	1.0	EPA 8260B	10/12/2005	12:03	10/12/2005	20:38	NMI
m,p-Xylene	1.0	U	ug/L	1.0	EPA 8260B	10/12/2005	12:03	10/12/2005	20:38	NMI
o-Xylene	1.0	U	ug/L	1.0	EPA 8260B	10/12/2005	12:03	10/12/2005	20:38	NMI
Toluene	1.0	U	ug/L	1.0	EPA 8260B	10/12/2005	12:03	10/12/2005	20:38	NMI
Toluene-d8 (Surrogate)	102		%	88	EPA 8260B	10/12/2005	12:03	10/12/2005	20:38	NMI
1,2-Dichloroethane-d4 (Surrogate)	112		%	76	EPA 8260B	10/12/2005	12:03	10/12/2005	20:38	NMI
4-Bromofluorobenzene (Surrogate)	96		%	86	EPA 8260B	10/12/2005	12:03	10/12/2005	20:38	NMI
* *The "J" value denotes an estimated concentration below the laboratory's normal reporting limit. The "U" qualifier indicates the compound was analyzed for but not detected.*										
Diesel Range Organics Water										
p-terphenyl (Surrogate)	105		%	70	MEDEP 4.1.25	10/11/2005	8:00	10/13/2005	19:48	RD
Diesel Range Organics	50	U	ug/L	50	MEDEP 4.1.25	10/11/2005	8:00	10/13/2005	19:48	RD
Total Petroleum Hydrocarbons	NA		ug/L	50	MEDEP 4.1.25	10/11/2005	8:00	10/13/2005	19:48	RD
* *The "U" qualifier indicates the compound was analyzed for but not detected.*										
Alkalinity	25		mg/L	5.0	EPA 310.1	10/08/2005	11:25	10/08/2005	14:42	KLM
MEDEP 4.125-Prep Water	Completed		Date	-	MEDEP 4.125	10/11/2005	8:00	10/11/2005	11:15	JNM
Ferrous Iron	10000		ug/L	25.0	SM 3500 Fe D	10/06/2005	8:30	10/06/2005	8:45	ECT
Methane in water	See attached		ug/ml	0.010	Mod. VSK-175	10/12/2005	16:45	10/12/2005	16:45	ATL
* *This analysis was subcontracted to Air Toxics LTD. Please see attached report (0.17ug/ml Methane, Ethane and Ethene-ND).*										
Nitrate-N	0.1	U	mg/L	0.1	EPA 353.2	10/06/2005	9:14	10/06/2005	9:35	MF
Sulfate	10		mg/L	1.0	EPA 300	10/06/2005	12:59	10/07/2005	2:59	MF
Total Organic Carbon	5.7		mg/L	1	EPA 415.1	10/17/2005	7:40	10/17/2005	15:30	LL

0008

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ANALYSIS REPORT

Attention: DARREN GAINER
ECC.

50 D'ANGELO DR
MARLBOROUGH MA 01752

Lab ID Number: AH11893
Project Number: NASB ONFF
P.O. Number: AH11891-94
Date Collected: 10/05/2005 01:10 PM
DateReceived: 10/06/2005 07:30 AM
Date Reported: 10/28/2005

Sample Matrix: G-WATER
Sample Description: MW-NASB-098
Sample Type: Grab

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time	Analysis Date/Time	Analyst

Comments:

Results are reported on a wet weight basis.

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Results meet the requirements of the NELAC standards unless otherwise noted above.

Reviewed By: Kelly A. Perkins **Review Date:** 10/28/2005
Kelly Perkins, Lab Manager

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TO: ECC

DATE SAMPLED:	10/05/2005	LABORATORY NUMBER:	AH11893
DATE RECEIVED:	10/06/2005	SAMPLE MATRIX:	G-WATER
DATE EXTRACTED:	10/11/2005	ANALYST:	RD
DATE ANALYZED:	10/13/2005	SDG #:	BNASONFFC
DATE REPORTED:	10/28/2005		

SAMPLE DESCRIPTION: MW-NASB-098

DIESEL RANGE ORGANICS (DRO)

METHOD SUMMARY:

The water sample is defined as the entire contents of the container including any soil or secondary phase material present. The sample was extracted three (3) times with methylene chloride using a liguid/liquid extraction technique with sodium chloride added to increase the extraction efficiency. The combined extract was passed through anhydrous sodium sulfate to remove water and was concentrated using a Zymark Turbovap Concentrator or Kuderna-Danish Concentrator. The final extract and/or dilutions of the extract were analyzed using high-resolution capillary FID Gas Chromatography (J & W DB-1 column, 0.25 micron phase, 0.32mm ID, 30 meter). The sample chromatograms were compared to hydrocarbon standard chromatograms for descriptive purposes and were compared to a DRO component standard for quantification of results.

QUANTITATION/DESCRIPTION:

NEL Sample#	Client Identification	DRO Results ug/L (ppb)*	Qualifier	Surrogate Recovery p-Terphenyl**
AH11893	MW-NASB-098	50	U	105%

The "U" qualifier indicates the compound was analyzed for but not detected.

Results meet the requirements of the NELAC standards

NOTE:

Identification of pristane, phytane, and the n-alkanes is based on chromatographic patterns and retention times on a single column. Identity has not been confirmed. Several petroleum products have chromatographic profiles similar to one another; and product profiles change as weathering occurs. Descriptive/interpretive data has been provided for guidance only. Identity of products (either weathered or unweathered) should not be considered conclusive.

* Quantitation is based on a DRO component standard, utilizing a method defined window from carbon number 10 to 28 inclusive.

**p-Terphenyl is added to the sample prior to extraction as a means of assessing the validity of the analysis.

[ ] In instances in which the material outside the DRO window exceeds 25% of DRO, an estimated total TPH result (aproximately carbon number 9 to 40) will be given in brackets following the DRO result, utilizing the response of a DRO component standard. Only total TPH results exceeding 50 ug/L (ppb) will be listed.

Analysis was conducted according to Maine method 4.1.25, "Method for Determining Diesel Range Organics." The DRO Practical Quantitation Limit is 50 ug/L (ppb)*.

Reviewed By: Kelly A. Perkins Date: 10/28/2005
Kelly Perkins, Lab Manager

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ANALYSIS REPORT

Attention: DARREN GAINER
ECC

50 D'ANGELO DR
MARLBOROUGH MA 01752

Lab ID Number: AH11894
Project Number: NASB ONFF
P.O. Number: AH11891-94
Date Collected: 10/05/2005 03:30 PM
DateReceived: 10/06/2005 07:30 AM
Date Reported: 10/26/2005

Sample Matrix: T-BLANK
Sample Description: ONFF-QT3
Sample Type: Grab

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time	Analysis Date/Time	Analyst
BTEX/MTBE in Water by 8260								
Benzene	1.0	U	ug/L	1.0	EPA 8260B	10/12/2005 12:03	10/12/2005 21:13	NMI
Ethylbenzene	1.0	U	ug/L	1.0	EPA 8260B	10/12/2005 12:03	10/12/2005 21:13	NMI
m,p-Xylene	1.0	U	ug/L	1.0	EPA 8260B	10/12/2005 12:03	10/12/2005 21:13	NMI
MTBE (Methyl-t-Butyl Ether)	1.0	U	ug/L	1.0	EPA 8260B	10/12/2005 12:03	10/12/2005 21:13	NMI
o-Xylene	1.0	U	ug/L	1.0	EPA 8260B	10/12/2005 12:03	10/12/2005 21:13	NMI
Toluene	1.0	U	ug/L	1.0	EPA 8260B	10/12/2005 12:03	10/12/2005 21:13	NMI
Toluene-d8 (Surrogate)	103		%	88	EPA 8260B	10/12/2005 12:03	10/12/2005 21:13	NMI
1,2-Dichloroethane-d4 (Surrogate)	110		%	76	EPA 8260B	10/12/2005 12:03	10/12/2005 21:13	NMI
4-Bromofluorobenzene (Surrogate)	94		%	86	EPA 8260B	10/12/2005 12:03	10/12/2005 21:13	NMI

** The "U" qualifier indicates the compound was analyzed for but not detected.*

Methane in water	See attached		ug/ml	0.010	Mod. VSK-175	10/12/2005 17:07	10/12/2005 17:07	ATL

** This analysis was subcontracted to Air Toxics LTD. Please see attached report (ND).*

Comments:

Please see the specific analysis comment(s) above.

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Results meet the requirements of the NELAC standards unless otherwise noted above.

Reviewed By: Kelly A. Perkins **Review Date:** 10/26/2005

Kelly Perkins, Lab Manager

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ANALYSIS REPORT

Attention: DARREN GAINER
ECC

50 D'ANGELO DR
MARLBOROUGH MA 01752

Lab ID Number: AH11960
Project Number: NASB ONFF
P.O. Number: 5700.007.012
Date Collected: 10/06/2005 12:00 AM
DateReceived: 10/07/2005 07:00 AM
Date Reported: 10/28/2005

Sample Matrix: G-WATER
Sample Description: MW-NASB-DUP2
Sample Type: Grab

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time		Analysis Date/Time		Analyst
BTEX/MTBE in Water by 8260										
Benzene	1.0	U	ug/L	1.0	EPA 8260B	10/17/2005	8:05	10/17/2005	10:14	NMI
Ethylbenzene	1.0	U	ug/L	1.0	EPA 8260B	10/17/2005	8:05	10/17/2005	10:14	NMI
m,p-Xylene	1.0	U	ug/L	1.0	EPA 8260B	10/17/2005	8:05	10/17/2005	10:14	NMI
MTBE (Methyl-t-Butyl Ether)	1.0	U	ug/L	1.0	EPA 8260B	10/17/2005	8:05	10/17/2005	10:14	NMI
o-Xylene	1.0	U	ug/L	1.0	EPA 8260B	10/17/2005	8:05	10/17/2005	10:14	NMI
Toluene	1.0	U	ug/L	1.0	EPA 8260B	10/17/2005	8:05	10/17/2005	10:14	NMI
4-Bromofluorobenzene (Surrogate)	104		%	86	EPA 8260B	10/17/2005	8:05	10/17/2005	10:14	NMI
Toluene-d8 (Surrogate)	106		%	88	EPA 8260B	10/17/2005	8:05	10/17/2005	10:14	NMI
1,2-Dichloroethane-d4 (Surrogate)	88		%	76	EPA 8260B	10/17/2005	8:05	10/17/2005	10:14	NMI
* *The "U" qualifier indicates the compound was analyzed for but not detected.*										
Diesel Range Organics Water										
p-terphenyl (Surrogate)	118		%	70	MEDEP 4.1.25	10/11/2005	8:00	10/13/2005	14:22	RD
Diesel Range Organics	50	U	ug/L	50	MEDEP 4.1.25	10/11/2005	8:00	10/13/2005	14:22	RD
Total Petroleum Hydrocarbons	NA		ug/L	50	MEDEP 4.1.25	10/11/2005	8:00	10/13/2005	14:22	RD
* *The "U" qualifier indicates the compound was analyzed for but not detected.*										
Alkalinity	188		mg/L	5.0	EPA 310.1	10/08/2005	11:25	10/08/2005	14:42	KLM
MEDEP 4.125-Prep Water	Completed		Date	-	MEDEP 4.125	10/11/2005	8:00	10/11/2005	11:15	JNM
Ferrous Iron	18000		ug/L	125	SM 3500 Fe D	10/07/2005	8:00	10/07/2005	9:30	ECT
* *The sample was analyzed at a 1:5 dilution in order to bring the concentration within the range of the calibration curve, resulting in elevated reporting limits.*										
Methane in water	See attached		ug/ml	0.010	Mod. VSK-175	10/12/2005	17:49	10/12/2005	17:49	ATL
* *This analysis was subcontracted to Air Toxics LTD. Please see attached report (1.4ug/ml Methane, ND-Ethane and Ethene).*										
Nitrate-N	0.1	U	mg/L	0.1	EPA 353.2	10/07/2005	12:00	10/07/2005	12:19	MF
Sulfate	3.2		mg/L	1.0	EPA 300	10/07/2005	12:15	10/08/2005	6:54	MF
Total Organic Carbon	5.3		mg/L	1	EPA 415.1	10/18/2008	7:30	10/18/2005	15:30	LL

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ANALYSIS REPORT

Attention: DARREN GAINER
ECC

50 D'ANGELO DR
MARLBOROUGH MA 01752

Lab ID Number: AH11960
Project Number: NASB ONFF
P.O. Number: 5700.007.012
Date Collected: 10/06/2005 12:00 AM
DateReceived: 10/07/2005 07:00 AM
Date Reported: 10/28/2005

Sample Matrix: G-WATER
Sample Description: MW-NASB-DUP2
Sample Type: Grab

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time	Analysis Date/Time	Analyst

Comments:

Results are reported on a wet weight basis.

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Results meet the requirements of the NELAC standards unless otherwise noted above.

Reviewed By: Kelly A. Perkins **Review Date:** 10/28/2005
Kelly Perkins, Lab Manager

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ANALYSIS REPORT

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TO: ECC

DATE SAMPLED:	10/06/2005	LABORATORY NUMBER:	AH11960
DATE RECEIVED:	10/07/2005	SAMPLE MATRIX:	G-WATER
DATE EXTRACTED:	10/11/2005	ANALYST:	RD
DATE ANALYZED:	10/13/2005	SDG #:	NASBONFFD
DATE REPORTED:	10/28/2005		

SAMPLE DESCRIPTION: MW-NASB-DUP2

DIESEL RANGE ORGANICS (DRO)

METHOD SUMMARY:

The water sample is defined as the entire contents of the container including any soil or secondary phase material present. The sample was extracted three (3) times with methylene chloride using a liguid/liquid extraction technique with sodium chloride added to increase the extraction efficiency. The combined extract was passed through anhydrous sodium sulfate to remove water and was concentrated using a Zymark Turbovap Concentrator or Kuderna-Danish Concentrator. The final extract and/or dilutions of the extract were analyzed using high-resolution capillary FID Gas Chromatography (J & W DB-1 column, 0.25 micron phase, 0.32mm ID, 30 meter). The sample chromatograms were compared to hydrocarbon standard chromatograms for descriptive purposes and were compared to a DRO component standard for quantification of results.

QUANTITATION/DESCRIPTION:

NEL Sample#	Client Identification	DRO Results ug/L (ppb)*	Qualifier	Surrogate Recovery p-Terphenyl**
AH11960	MW-NASB-DUP2	50	U	118%

The "U" qualifier indicates the compound was analyzed for but not detected.

Results meet the requirements of the NELAC standards

NOTE:

Identification of pristane, phytane, and the n-alkanes is based on chromatographic patterns and retention times on a single column. Identity has not been confirmed. Several petroleum products have chromatographic profiles similar to one another; and product profiles change as weathering occurs. Descriptive/interpretive data has been provided for guidance only. Identity of products (either weathered or unweathered) should not be considered conclusive.

* Quantitation is based on a DRO component standard, utilizing a method defined window from carbon number 10 to 28 inclusive.

**p-Terphenyl is added to the sample prior to extraction as a means of assessing the validity of the analysis.

[ ] In instances in which the material outside the DRO window exceeds 25% of DRO, an estimated total TPH result (aproximately carbon number 9 to 40) will be given in brackets following the DRO result, utilizing the response of a DRO component standard. Only total TPH results exceeding 50 ug/L (ppb) will be listed.

Analysis was conducted according to Maine method 4.1.25, "Method for Determining Diesel Range Organics." The DRO Practical Quantitation Limit is 50 ug/L (ppb)*.

Reviewed By: Kelly A. Perkins Date: 10/28/2005
Kelly Perkins, Lab Manager

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ANALYSIS REPORT

Attention: DARREN GAINER
ECC

50 D'ANGELO DR
MARLBOROUGH MA 01752

Lab ID Number: AH11961
Project Number: NASB ONFF
P.O. Number: 5700.007.012
Date Collected: 10/06/2005 03:45 PM
DateReceived: 10/07/2005 07:00 AM
Date Reported: 10/28/2005

Sample Matrix: G-WATER
Sample Description: ONFF-Rinsate Blank
Sample Type: Grab

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time		Analysis Date/Time		Analyst
BTEX/MTBE in Water by 8260										
Toluene	0.92	J	ug/L	1.0	EPA 8260B	10/17/2005	8:05	10/17/2005	10:50	NMI
Benzene	1.0	U	ug/L	1.0	EPA 8260B	10/17/2005	8:05	10/17/2005	10:50	NMI
Ethylbenzene	1.0	U	ug/L	1.0	EPA 8260B	10/17/2005	8:05	10/17/2005	10:50	NMI
m,p-Xylene	1.0	U	ug/L	1.0	EPA 8260B	10/17/2005	8:05	10/17/2005	10:50	NMI
MTBE (Methyl-t-Butyl Ether)	1.0	U	ug/L	1.0	EPA 8260B	10/17/2005	8:05	10/17/2005	10:50	NMI
o-Xylene	1.0	U	ug/L	1.0	EPA 8260B	10/17/2005	8:05	10/17/2005	10:50	NMI
4-Bromofluorobenzene (Surrogate)	103		%	86	EPA 8260B	10/17/2005	8:05	10/17/2005	10:50	NMI
Toluene-d8 (Surrogate)	106		%	88	EPA 8260B	10/17/2005	8:05	10/17/2005	10:50	NMI
1,2-Dichloroethane-d4 (Surrogate)	94		%	76	EPA 8260B	10/17/2005	8:05	10/17/2005	10:50	NMI

* *The "J" value denotes an estimated concentration below the laboratory's normal reporting limit.*
The "U" qualifier indicates the compound was analyzed for but not detected.

Diesel Range Organics Water										
p-terphenyl (Surrogate)	125		%	60	MEDEP 4.1.25	10/11/2005	8:00	10/13/2005	15:09	RD
Diesel Range Organics	85		ug/L	50	MEDEP 4.1.25	10/11/2005	8:00	10/13/2005	15:09	RD
Total Petroleum Hydrocarbons	NA		ug/L	50	MEDEP 4.1.25	10/11/2005	8:00	10/13/2005	15:09	RD

* *DRO chromatogram does not resemble a typical petroleum hydrocarbon pattern. The majority of the response is due to the presence of one peak in the chromatogram which is indicative of phthalate contamination. The sample was re-extracted, confirming original results.*

Gasoline Range Organics Water										
Benzene	1.0	U	ug/L	1.0	MEDEP 4.2.17	10/11/2005	13:29	10/11/2005	18:39	RD
Ethyl benzene	1.0	U	ug/L	1.0	MEDEP 4.2.17	10/11/2005	13:29	10/11/2005	18:39	RD
Toluene	1.0	U	ug/L	1.0	MEDEP 4.2.17	10/11/2005	13:29	10/11/2005	18:39	RD
Total xylenes	1.0	U	ug/L	1.0	MEDEP 4.2.17	10/11/2005	13:29	10/11/2005	18:39	RD
GROAQ	10	U	ug/L	10.0	MEDEP 4.2.17	10/11/2005	13:29	10/11/2005	18:39	RD
4-Bromofluorobenzene (Surrogate)	105		%	80	MEDEP 4.2.17	10/11/2005	13:29	10/11/2005	18:39	RD
MTBE (Methyl-t-Butyl Ether)	2.0	U	ug/L	2.0	MEDEP 4.2.17	10/11/2005	13:29	10/11/2005	18:39	RD

* *The "U" qualifier indicates the compound was analyzed for but not detected.*

MEDEP 4.125-Prep Water	Completed		Date	-	MEDEP 4.125	10/11/2005	8:00	10/11/2005	11:15	JNM
Methane in water	See attached		ug/ml	0.010	Mod. VSK-175	10/12/2005	18:11	10/12/2005	18:11	ATL

* *This analysis was subcontracted to Air Toxics LTD. Please see attached report (ND).*

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ANALYSIS REPORT

Attention: DARREN GAINER
ECC

50 D'ANGELO DR
MARLBOROUGH MA 01752

Lab ID Number: AH11961
Project Number: NASB ONFF
P.O. Number: 5700.007.012
Date Collected: 10/06/2005 03:45 PM
DateReceived: 10/07/2005 07:00 AM
Date Reported: 10/28/2005

Sample Matrix: G-WATER
Sample Description: ONFF-Rinsate Blank
Sample Type: Grab

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time	Analysis Date/Time	Analyst

Comments:

Please see the specific analysis comment(s) above.

Results are reported on a wet weight basis.

This report shall not be reproduced, except in full, without written permission from Northeast Laboratory Services.

Results meet the requirements of the NELAC standards unless otherwise noted above.

Reviewed By: Kelly A. Perkins **Review Date:** 10/28/2005

Kelly Perkins, Lab Manager

Analytical results and reports are generated by NEL at the request of and for the exclusive use of the person or entity (client) named on this report. Results, reports or copies of same will not be released by NEL to any third party without the prior express written consent from the client named in this report. This report applies only to those samples taken at the time, place and location referenced by the client. This report makes no express or implied warranty or guarantee as to the sampling methodology used by the individual performing the sampling. The client is solely responsible for the use and interpretation of these results and NEL makes no express or implied warranties as to such use or interpretation. NEL is not able to make and does not make a determination as to the environmental soundness, safety or health of a property from only the samples sent to their laboratory for analysis. Unless otherwise specified by the Client, NEL reserves the right to dispose of all samples after the testing of such samples is sufficiently completed or after a thirty-day period, whichever period is greater. NEL liability extends only to the cost of the testing.

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ANALYSIS REPORT

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TO: ECC

DATE SAMPLED:	10/06/2005	LABORATORY NUMBER:	AH11961
DATE RECEIVED:	10/07/2005	SAMPLE MATRIX:	G-WATER
DATE EXTRACTED:	10/11/2005	ANALYST:	RD
DATE ANALYZED:	10/13/2005	SDG #:	NASBONFFD
DATE REPORTED:	10/28/2005		

SAMPLE DESCRIPTION: ONFF-Rinsate Blank

DIESEL RANGE ORGANICS (DRO)

METHOD SUMMARY:

The water sample is defined as the entire contents of the container including any soil or secondary phase material present. The sample was extracted three (3) times with methylene chloride using a liguid/liquid extraction technique with sodium chloride added to increase the extraction efficiency. The combined extract was passed through anhydrous sodium sulfate to remove water and was concentrated using a Zymark Turbovap Concentrator or Kuderna-Danish Concentrator. The final extract and/or dilutions of the extract were analyzed using high-resolution capillary FID Gas Chromatography (J & W DB-1 column, 0.25 micron phase, 0.32mm ID, 30 meter). The sample chromatograms were compared to hydrocarbon standard chromatograms for descriptive purposes and were compared to a DRO component standard for quantification of results.

QUANTITATION/DESCRIPTION:

NEL Sample#	Client Identification	DRO Results ug/L (ppb)*	Qualifier	Surrogate Recovery p-Terphenyl**
AH11961	ONFF-Rinsate Blank	85		125%

DRO chromatogram does not resemble a typical petroleum hydrocarbon pattern. The majority of the response is due to the presence of one peak in the chromatogram which is indicative of phthalate contamination. The sample was re-extracted, confirming original results.
Results meet the requirements of the NELAC standards

NOTE:

Identification of pristane, phytane, and the n-alkanes is based on chromatographic patterns and retention times on a single column. Identity has not been confirmed. Several petroleum products have chromatographic profiles similar to one another; and product profiles change as weathering occurs. Descriptive/interpretive data has been provided for guidance only. Identity of products (either weathered or unweathered) should not be considered conclusive.

* Quantitation is based on a DRO component standard, utilizing a method defined window from carbon number 10 to 28 inclusive.

**p-Terphenyl is added to the sample prior to extraction as a means of assessing the validity of the analysis.

[ ] In instances in which the material outside the DRO window exceeds 25% of DRO, an estimated total TPH result (aproximately carbon number 9 to 40) will be given in brackets following the DRO result, utilizing the response of a DRO component standard. Only total TPH results exceeding 50 ug/L (ppb) will be listed.

Analysis was conducted according to Maine method 4.1.25, "Method for Determining Diesel Range Organics." The DRO Practical Quantitation Limit is 50 ug/L (ppb)*.

Reviewed By: Kelly A. Perkins Date: 10/28/2005
Kelly Perkins, Lab Manager

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TO: ECC

DATE SAMPLED:	10/06/2005	LABORATORY NUMBER:	AH11961
DATE RECEIVED:	10/07/2005	SAMPLE MATRIX:	G-WATER
DATE ANALYZED:	10/11/2005	ANALYST:	RD
DATE REPORTED:	10/28/2005	SDG #:	NASBONFFD

SAMPLE DESCRIPTION: ONFF-Rinsate Blank

GASOLINE RANGE ORGANICS (GRO)

NEL Sample #	Client Identification	GRO Results ug/L (ppb)	Qualifier	MTBE & BTEX ug/L (ppb)*	Qualifier	Reporting Limit	Surr gate Recovery 4-BFB**
AH11961	ONFF-Rinsate Blank	10	U	MTBE:2.0	U	2	105%
				Benzene:1.0	U	1	
				Toluene:1.0	U	1	
				EthylBenzene:1.0	U	1	
				TotalXylenes:1.0	U	1	

The "U" qualifier indicates the compound was analyzed for but not detected.

Results meet the requirements of the NELAC standards

* Identification of MTBE and the BTEX compounds is based on retention times on the primary column. Identity has not been confirmed. Because of the possibility of co-eluting compounds, these quantitations may be higher than the actual concentration. For a more accurate or EPA approved quantitation of these compounds request Method 8260.

**4-Bromofluorobenzene is added to the sample as a means of assessing the validity of the analysis.

NOTE: See attached method information.

Analysis was conducted according to Maine method 4.2.17, "Method for Determining Gasoline Range Organics".

Reviewed By: Kelly A. Perkins Date: 10/28/2005
Kelly Perkins, Lab Manager

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ANALYSIS REPORT

Attention: DARREN GAINER
ECC

50 D'ANGELO DR
MARLBOROUGH MA 01752

Lab ID Number: AH11962
Project Number: NASB ONFF
P.O. Number: 5700.007.012
Date Collected: 10/06/2005 10:12 AM
DateReceived: 10/07/2005 07:00 AM
Date Reported: 10/28/2005

Sample Matrix: G-WATER
Sample Description: MW-NASB-207
Sample Type: Grab

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time		Analysis Date/Time		Analyst
BTEX/MTBE in Water by 8260										
Benzene	1.0	U	ug/L	1.0	EPA 8260B	10/17/2005	8:05	10/17/2005	11:26	NMI
Ethylbenzene	1.0	U	ug/L	1.0	EPA 8260B	10/17/2005	8:05	10/17/2005	11:26	NMI
m,p-Xylene	1.0	U	ug/L	1.0	EPA 8260B	10/17/2005	8:05	10/17/2005	11:26	NMI
MTBE (Methyl-t-Butyl Ether)	1.0	U	ug/L	1.0	EPA 8260B	10/17/2005	8:05	10/17/2005	11:26	NMI
o-Xylene	1.0	U	ug/L	1.0	EPA 8260B	10/17/2005	8:05	10/17/2005	11:26	NMI
Toluene	1.0	U	ug/L	1.0	EPA 8260B	10/17/2005	8:05	10/17/2005	11:26	NMI
4-Bromofluorobenzene (Surrogate)	105		%	86	EPA 8260B	10/17/2005	8:05	10/17/2005	11:26	NMI
Toluene-d8 (Surrogate)	106		%	88	EPA 8260B	10/17/2005	8:05	10/17/2005	11:26	NMI
1,2-Dichloroethane-d4 (Surrogate)	96		%	76	EPA 8260B	10/17/2005	8:05	10/17/2005	11:26	NMI
* *The "U" qualifier indicates the compound was analyzed for but not detected.*										
Diesel Range Organics Water										
Diesel Range Organics	50	U	ug/L	50	MEDEP 4.1.25	10/11/2005	8:00	10/13/2005	15:56	RD
p-terphenyl (Surrogate)	86		%	70	MEDEP 4.1.25	10/11/2005	8:00	10/13/2005	15:56	RD
Total Petroleum Hydrocarbons	NA		ug/L	50	MEDEP 4.1.25	10/11/2005	8:00	10/13/2005	15:56	RD
* *The "U" qualifier indicates the compound was analyzed for but not detected.*										
Alkalinity	170		mg/L	5.0	EPA 310.1	10/08/2005	11:25	10/08/2005	14:42	KLM
MEDEP 4.125-Prep Water	Completed		Date	-	MEDEP 4.125	10/11/2005	8:00	10/11/2005	11:15	JNM
Ferrous Iron	40		ug/L	25.0	SM 3500 Fe D	10/07/2005	8:00	10/07/2005	9:30	ECT
Methane in water	See attached		ug/ml	0.010	Mod. VSK-175	10/12/2005	18:32	10/12/2005	18:32	ATL
* *This analysis was subcontracted to Air Toxics LTD. Please see attached report (0.014ug/ml Methane, ND-Ethane and Ethene).*										
Nitrate-N	0.1	U	mg/L	0.1	EPA 353.2	10/07/2005	12:00	10/07/2005	12:19	MF
Sulfate	5.2		mg/L	1.0	EPA 300	10/07/2005	12:15	10/08/2005	6:54	MF
Total Organic Carbon	4.4		mg/L	1	EPA 415.1	10/18/2005	7:30	10/18/2005	15:30	LL

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ANALYSIS REPORT

Attention: DARREN GAINER
ECC

50 D'ANGELO DR
MARLBOROUGH MA 01752

Lab ID Number: AH11962
Project Number: NASB ONFF
P.O. Number: 5700.007.012
Date Collected: 10/06/2005 10:12 AM
DateReceived: 10/07/2005 07:00 AM
Date Reported: 10/28/2005

Sample Matrix: G-WATER
Sample Description: MW-NASB-207
Sample Type: Grab

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time	Analysis Date/Time	Analyst

Comments:

Results are reported on a wet weight basis.

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Results meet the requirements of the NELAC standards unless otherwise noted above.

Reviewed By: Kelly A. Perkins **Review Date:** 10/28/2005
Kelly Perkins, Lab Manager

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ANALYSIS REPORT

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Fax: 207-873-7022

TO: ECC

DATE SAMPLED:	10/06/2005	LABORATORY NUMBER:	AH11962
DATE RECEIVED:	10/07/2005	SAMPLE MATRIX:	G-WATER
DATE EXTRACTED:	10/11/2005	ANALYST:	RD
DATE ANALYZED:	10/13/2005	SDG #:	NASBONFFD
DATE REPORTED:	10/28/2005		

SAMPLE DESCRIPTION: MW-NASB-207

DIESEL RANGE ORGANICS (DRO)

METHOD SUMMARY:

The water sample is defined as the entire contents of the container including any soil or secondary phase material present. The sample was extracted three (3) times with methylene chloride using a liguid/liquid extraction technique with sodium chloride added to increase the extraction efficiency. The combined extract was passed through anhydrous sodium sulfate to remove water and was concentrated using a Zymark Turbovap Concentrator or Kuderna-Danish Concentrator. The final extract and/or dilutions of the extract were analyzed using high-resolution capillary FID Gas Chromatography (J & W DB-1 column, 0.25 micron phase, 0.32mm ID, 30 meter). The sample chromatograms were compared to hydrocarbon standard chromatograms for descriptive purposes and were compared to a DRO component standard for quantification of results.

QUANTITATION/DESCRIPTION:

NEL Sample#	Client Identification	DRO Results ug/L (ppb)*	Qualifier	Surrogate Recovery p-Terphenyl**
AH11962	MW-NASB-207	50	U	86%

The "U" qualifier indicates the compound was analyzed for but not detected.

Results meet the requirements of the NELAC standards

NOTE:

Identification of pristane, phytane, and the n-alkanes is based on chromatographic patterns and retention times on a single column. Identity has not been confirmed. Several petroleum products have chromatographic profiles similar to one another; and product profiles change as weathering occurs. Descriptive/interpretive data has been provided for guidance only. Identity of products (either weathered or unweathered) should not be considered conclusive.

* Quantitation is based on a DRO component standard, utilizing a method defined window from carbon number 10 to 28 inclusive.

**p-Terphenyl is added to the sample prior to extraction as a means of assessing the validity of the analysis.

[ ] In instances in which the material outside the DRO window exceeds 25% of DRO, an estimated total TPH result (aproximately carbon number 9 to 40) will be given in brackets following the DRO result, utilizing the response of a DRO component standard. Only total TPH results exceeding 50 ug/L (ppb) will be listed.

Analysis was conducted according to Maine method 4.1.25, "Method for Determining Diesel Range Organics." The DRO Practical Quantitation Limit is 50 ug/L (ppb)*.

Reviewed By: Kelly A. Perkins Date: 10/28/2005
Kelly Perkins, Lab Manager

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ANALYSIS REPORT

Attention: DARREN GAINER
ECC

50 D'ANGELO DR
MARLBOROUGH MA 01752

Lab ID Number: AH11963
Project Number: NASB ONFF
P.O. Number: 5700.007.012
Date Collected: 10/06/2005 01:13 PM
DateReceived: 10/07/2005 07:00 AM
Date Reported: 10/28/2005

Sample Matrix: G-WATER
Sample Description: MW-NASB-208BR
Sample Type: Grab

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time		Analysis Date/Time		Analyst
BTEX/MTBE in Water by 8260										
Benzene	1.0	U	ug/L	1.0	EPA 8260B	10/17/2005	8:05	10/17/2005	12:02	NMI
Ethylbenzene	1.0	U	ug/L	1.0	EPA 8260B	10/17/2005	8:05	10/17/2005	12:02	NMI
m,p-Xylene	1.0	U	ug/L	1.0	EPA 8260B	10/17/2005	8:05	10/17/2005	12:02	NMI
MTBE (Methyl-t-Butyl Ether)	1.0	U	ug/L	1.0	EPA 8260B	10/17/2005	8:05	10/17/2005	12:02	NMI
o-Xylene	1.0	U	ug/L	1.0	EPA 8260B	10/17/2005	8:05	10/17/2005	12:02	NMI
Toluene	1.0	U	ug/L	1.0	EPA 8260B	10/17/2005	8:05	10/17/2005	12:02	NMI
4-Bromofluorobenzene (Surrogate)	104		%	86	EPA 8260B	10/17/2005	8:05	10/17/2005	12:02	NMI
Toluene-d8 (Surrogate)	106		%	88	EPA 8260B	10/17/2005	8:05	10/17/2005	12:02	NMI
1,2-Dichloroethane-d4 (Surrogate)	98		%	76	EPA 8260B	10/17/2005	8:05	10/17/2005	12:02	NMI
* *The "U" qualifier indicates the compound was analyzed for but not detected.*										
Diesel Range Organics Water										
p-terphenyl (Surrogate)	127		%	70	MEDEP 4.1.25	10/11/2005	8:00	10/13/2005	16:43	RD
Diesel Range Organics	50	U	ug/L	50	MEDEP 4.1.25	10/11/2005	8:00	10/13/2005	16:43	RD
Total Petroleum Hydrocarbons	NA		ug/L	50	MEDEP 4.1.25	10/11/2005	8:00	10/13/2005	16:43	RD
* *The "U" qualifier indicates the compound was analyzed for but not detected.*										
Alkalinity	200		mg/L	5.0	EPA 310.1	10/08/2005	11:25	10/08/2005	14:42	KLM
MEDEP 4.125-Prep Water	Completed		Date	-	MEDEP 4.125	10/11/2005	8:00	10/11/2005	11:15	JNM
Ferrous Iron	16000		ug/L	125	SM 3500 Fe D	10/07/2005	8:00	10/07/2005	9:30	ECT
* *The sample was analyzed at a 1:5 dilution in order to bring the concentration within the range of the calibration curve, resulting in elevated reporting limits.*										
Methane in water	See attached		ug/ml	0.010	Mod. VSK-175	10/12/2005	18:53	10/12/2005	18:53	ATL
* *This analysis was subcontracted to Air Toxics LTD. Please see attached report (1.4ug/ml Methane, ND-Ethane and Ethene).*										
Nitrate-N	0.1	U	mg/L	0.1	EPA 353.2	10/07/2005	12:00	10/07/2005	12:19	MF
Sulfate	2.6		mg/L	1.0	EPA 300	10/07/2005	12:15	10/08/2005	6:54	MF
Total Organic Carbon	7.4		mg/L	1	EPA 415.1	10/18/2005	7:30	10/18/2005	15:30	LL

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ANALYSIS REPORT

Attention: DARREN GAINER
ECC

50 D'ANGELO DR
MARLBOROUGH MA 01752

Lab ID Number: AH11963
Project Number: NASB ONFF
P.O. Number: 5700.007.012
Date Collected: 10/06/2005 01:13 PM
DateReceived: 10/07/2005 07:00 AM
Date Reported: 10/28/2005

Sample Matrix: G-WATER
Sample Description: MW-NASB-208BR
Sample Type: Grab

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time	Analysis Date/Time	Analyst

Comments:

Results are reported on a wet weight basis.

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Results meet the requirements of the NELAC standards unless otherwise noted above.

Reviewed By: Kelly A. Perkins **Review Date:** 10/28/2005

Kelly Perkins, Lab Manager

Analytical results and reports are generated by NEL at the request of and for the exclusive use of the person or entity (client) named on this report. Results, reports or copies of same will not be released by NEL to any third party without the prior express written consent from the client named in this report. This report applies only to those samples taken at the time, place and location referenced by the client. This report makes no express or implied warranty or guarantee as to the sampling methodology used by the individual performing the sampling. The client is solely responsible for the use and interpretation of these results and NEL makes no express or implied warranties as to such use or interpretation. NEL is not able to make and does not make a determination as to the environmental soundness, safety or health of a property from only the samples sent to their laboratory for analysis. Unless otherwise specified by the Client, NEL reserves the right to dispose of all samples after the testing of such samples is sufficiently completed or after a thirty-day period, whichever period is greater. NEL liability extends only to the cost of the testing.

Northeast Laboratory SERVICES

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ANALYSIS REPORT

Administrative Offices
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Customer Service
Phone: 820022478378
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TO: ECC

DATE SAMPLED:	10/06/2005	LABORATORY NUMBER:	AH11963
DATE RECEIVED:	10/07/2005	SAMPLE MATRIX:	G-WATER
DATE EXTRACTED:	10/11/2005	ANALYST:	RD
DATE ANALYZED:	10/13/2005	SDG #:	NASBONFFD
DATE REPORTED:	10/28/2005		

SAMPLE DESCRIPTION: MW-NASB-208BR

DIESEL RANGE ORGANICS (DRO)

METHOD SUMMARY:

The water sample is defined as the entire contents of the container including any soil or secondary phase material present. The sample was extracted three (3) times with methylene chloride using a liguid/liquid extraction technique with sodium chloride added to increase the extraction efficiency. The combined extract was passed through anhydrous sodium sulfate to remove water and was concentrated using a Zymark Turbovap Concentrator or Kuderna-Danish Concentrator. The final extract and/or dilutions of the extract were analyzed using high-resolution capillary FID Gas Chromatography (J & W DB-1 column, 0.25 micron phase, 0.32mm ID, 30 meter). The sample chromatograms were compared to hydrocarbon standard chromatograms for descriptive purposes and were compared to a DRO component standard for quantification of results.

QUANTITATION/DESCRIPTION:

NEL Sample#	Client Identification	DRO Results ug/L (ppb)*	Qualifier	Surrogate Recovery p-Terphenyl**
AH11963	MW-NASB-208BR	50	U	127%

The "U" qualifier indicates the compound was analyzed for but not detected.

Results meet the requirements of the NELAC standards

NOTE:

Identification of pristane, phytane, and the n-alkanes is based on chromatographic patterns and retention times on a single column. Identity has not been confirmed. Several petroleum products have chromatographic profiles similar to one another; and product profiles change as weathering occurs. Descriptive/interpretive data has been provided for guidance only. Identity of products (either weathered or unweathered) should not be considered conclusive.

* Quantitation is based on a DRO component standard, utilizing a method defined window from carbon number 10 to 28 inclusive.

**p-Terphenyl is added to the sample prior to extraction as a means of assessing the validity of the analysis.

[ ] In instances in which the material outside the DRO window exceeds 25% of DRO, an estimated total TPH result (aproximately carbon number 9 to 40) will be given in brackets following the DRO result, utilizing the response of a DRO component standard. Only total TPH results exceeding 50 ug/L (ppb) will be listed.

Analysis was conducted according to Maine method 4.1.25, "Method for Determining Diesel Range Organics." The DRO Practical Quantitation Limit is 50 ug/L (ppb)*.

Reviewed By: Kelly A. Perkins Date: 10/28/2005
Kelly Perkins, Lab Manager

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ANALYSIS REPORT

Attention: DARREN GAINER
ECC

50 D'ANGELO DR
MARLBOROUGH MA 01752

Lab ID Number: AH11964
Project Number: NASB ONFF
P.O. Number: 5700.007.012
Date Collected: 10/06/2005 02:45 PM
DateReceived: 10/07/2005 07:00 AM
Date Reported: 10/28/2005

Sample Matrix: G-WATER
Sample Description: MW-NASB-210
Sample Type: Grab

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time		Analysis Date/Time		Analyst
BTEX/MTBE in Water by 8260										
Benzene	1.0	U	ug/L	1.0	EPA 8260B	10/17/2005	8:05	10/17/2005	12:37	NMI
Ethylbenzene	1.0	U	ug/L	1.0	EPA 8260B	10/17/2005	8:05	10/17/2005	12:37	NMI
m,p-Xylene	1.0	U	ug/L	1.0	EPA 8260B	10/17/2005	8:05	10/17/2005	12:37	NMI
MTBE (Methyl-t-Butyl Ether)	1.0	U	ug/L	1.0	EPA 8260B	10/17/2005	8:05	10/17/2005	12:37	NMI
o-Xylene	1.0	U	ug/L	1.0	EPA 8260B	10/17/2005	8:05	10/17/2005	12:37	NMI
Toluene	1.0	U	ug/L	1.0	EPA 8260B	10/17/2005	8:05	10/17/2005	12:37	NMI
4-Bromofluorobenzene (Surrogate)	104		%	86	EPA 8260B	10/17/2005	8:05	10/17/2005	12:37	NMI
Toluene-d8 (Surrogate)	106		%	88	EPA 8260B	10/17/2005	8:05	10/17/2005	12:37	NMI
1,2-Dichloroethane-d4 (Surrogate)	98		%	76	EPA 8260B	10/17/2005	8:05	10/17/2005	12:37	NMI
* *The "U" qualifier indicates the compound was analyzed for but not detected.*										
Diesel Range Organics Water										
Diesel Range Organics	50	U	ug/L	50	MEDEP 4.1.25	10/11/2005	8:00	10/13/2005	17:30	RD
p-terphenyl (Surrogate)	95		%	70	MEDEP 4.1.25	10/11/2005	8:00	10/13/2005	17:30	RD
Total Petroleum Hydrocarbons	NA		ug/L	50	MEDEP 4.1.25	10/11/2005	8:00	10/13/2005	17:30	RD
* *The "U" qualifier indicates the compound was analyzed for but not detected.*										
Alkalinity	30		mg/L	5.0	EPA 310.1	10/08/2005	11:25	10/08/2005	14:42	KLM
MEDEP 4.125-Prep Water	Completed		Date	-	MEDEP 4.125	10/11/2005	8:00	10/11/2005	11:15	JNM
Ferrous Iron	940		ug/L	25.0	SM 3500 Fe D	10/07/2005	8:00	10/07/2005	9:30	ECT
Methane in water	See attached		ug/ml	0.010	Mod. VSK-175	10/12/2005	19:14	10/12/2005	19:14	ATL
* *This analysis was subcontracted to Air Toxics LTD. Please see attached report (ND).*										
Nitrate-N	0.21		mg/L	0.1	EPA 353.2	10/07/2005	12:00	10/07/2005	12:19	MF
Sulfate	15		mg/L	1.0	EPA 300	10/07/2005	12:15	10/08/2005	6:54	MF
Total Organic Carbon	13		mg/L	1	EPA 415.1	10/18/2005	7:30	10/18/2005	15:30	LL

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ANALYSIS REPORT

Attention: DARREN GAINER
ECC

50 D'ANGELO DR
MARLBOROUGH MA 01752

Lab ID Number: AH11964
Project Number: NASB ONFF
P.O. Number: 5700.007.012
Date Collected: 10/06/2005 02:45 PM
DateReceived: 10/07/2005 07:00 AM
Date Reported: 10/28/2005

Sample Matrix: G-WATER
Sample Description: MW-NASB-210
Sample Type: Grab

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time	Analysis Date/Time	Analyst

Comments:

Results are reported on a wet weight basis.

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Results meet the requirements of the NELAC standards unless otherwise noted above.

Reviewed By: Kelly A. Perkins **Review Date:** 10/28/2005
Kelly Perkins, Lab Manager

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TO: ECC

DATE SAMPLED:	10/06/2005	LABORATORY NUMBER:	AH11964
DATE RECEIVED:	10/07/2005	SAMPLE MATRIX:	G-WATER
DATE EXTRACTED:	10/11/2005	ANALYST:	RD
DATE ANALYZED:	10/13/2005	SDG #:	NASBONFFD
DATE REPORTED:	10/28/2005		

SAMPLE DESCRIPTION: MW-NASB-210

DIESEL RANGE ORGANICS (DRO)

METHOD SUMMARY:

The water sample is defined as the entire contents of the container including any soil or secondary phase material present. The sample was extracted three (3) times with methylene chloride using a liguid/liquid extraction technique with sodium chloride added to increase the extraction efficiency. The combined extract was passed through anhydrous sodium sulfate to remove water and was concentrated using a Zymark Turbovap Concentrator or Kuderna-Danish Concentrator. The final extract and/or dilutions of the extract were analyzed using high-resolution capillary FID Gas Chromatography (J & W DB-1 column, 0.25 micron phase, 0.32mm ID, 30 meter). The sample chromatograms were compared to hydrocarbon standard chromatograms for descriptive purposes and were compared to a DRO component standard for quantification of results.

QUANTITATION/DESCRIPTION:

NEL Sample#	Client Identification	DRO Results ug/L (ppb)*	Qualifier	Surrogate Recovery p-Terphenyl**
AH11964	MW-NASB-210	50	U	95%

The "U" qualifier indicates the compound was analyzed for but not detected.

Results meet the requirements of the NELAC standards

NOTE:

Identification of pristane, phytane, and the n-alkanes is based on chromatographic patterns and retention times on a single column. Identity has not been confirmed. Several petroleum products have chromatographic profiles similar to one another; and product profiles change as weathering occurs. Descriptive/interpretive data has been provided for guidance only. Identity of products (either weathered or unweathered) should not be considered conclusive.

* Quantitation is based on a DRO component standard, utilizing a method defined window from carbon number 10 to 28 inclusive.

**p-Terphenyl is added to the sample prior to extraction as a means of assessing the validity of the analysis.

[ ] In instances in which the material outside the DRO window exceeds 25% of DRO, an estimated total TPH result (aproximately carbon number 9 to 40) will be given in brackets following the DRO result, utilizing the response of a DRO component standard. Only total TPH results exceeding 50 ug/L (ppb) will be listed.

Analysis was conducted according to Maine method 4.1.25, "Method for Determining Diesel Range Organics." The DRO Practical Quantitation Limit is 50 ug/L (ppb)*.

Reviewed By: Kelly A. Perkins Date: 10/28/2005
Kelly Perkins, Lab Manager

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ANALYSIS REPORT

Attention: DARREN GAINER
ECC

50 D'ANGELO DR
MARLBOROUGH MA 01752

Lab ID Number: AH11965
Project Number: NASB ONFF
P.O. Number: 5700.007.012
Date Collected: 10/06/2005 01:30 PM
DateReceived: 10/07/2005 07:00 AM
Date Reported: 10/28/2005

Sample Matrix: T-BLANK
Sample Description: ONFF-QT4
Sample Type: Grab

Parameter	Result	Qualifier	Unit	Detection Limit	Method	Preparation Date/Time		Analysis Date/Time		Analyst
BTEX/MTBE in Water by 8260										
Benzene	1.0	U	ug/L	1.0	EPA 8260B	10/17/2005	8:05	10/17/2005	13:13	NMI
Ethylbenzene	1.0	U	ug/L	1.0	EPA 8260B	10/17/2005	8:05	10/17/2005	13:13	NMI
m,p-Xylene	1.0	U	ug/L	1.0	EPA 8260B	10/17/2005	8:05	10/17/2005	13:13	NMI
MTBE (Methyl-t-Butyl Ether)	1.0	U	ug/L	1.0	EPA 8260B	10/17/2005	8:05	10/17/2005	13:13	NMI
o-Xylene	1.0	U	ug/L	1.0	EPA 8260B	10/17/2005	8:05	10/17/2005	13:13	NMI
Toluene	1.0	U	ug/L	1.0	EPA 8260B	10/17/2005	8:05	10/17/2005	13:13	NMI
4-Bromofluorobenzene (Surrogate)	105		%	86	EPA 8260B	10/17/2005	8:05	10/17/2005	13:13	NMI
Toluene-d8 (Surrogate)	106		%	88	EPA 8260B	10/17/2005	8:05	10/17/2005	13:13	NMI
1,2-Dichloroethane-d4 (Surrogate)	98		%	76	EPA 8260B	10/17/2005	8:05	10/17/2005	13:13	NMI

* *The "U" qualifier indicates the compound was analyzed for but not detected.*

Methane in water	See attached		ug/ml	0.010	Mod. VSK-175	10/12/2005	19:36	10/12/2005	19:36	ATL

* *This analysis was subcontracted to Air Toxics LTD. Please see attached report (ND).*

Comments:

Please see the specific analysis comment(s) above.

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Results meet the requirements of the NELAC standards unless otherwise noted above.

Reviewed By: Kelly A. Perkins **Review Date:** 10/28/2005

Kelly Perkins, Lab Manager

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AIR TOXICS LTD.

Client Sample ID: MW-NASB-702 (AH11708)

Lab ID#: 0510114-01A

MODIFIED METHOD VSK-175 GC/FID

File Name:	7100605	Date of Collection:	10/3/05
Dil. Factor:	1.00	Date of Analysis:	10/6/05 09:44 PM

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	0.19
Ethane	0.010	Not Detected
Ethene	0.010	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

Client Sample ID: MW-703 (AH11799)

Lab ID#: 0510114-03A

MODIFIED METHOD VSK-175 GC/FID

File Name:	7100606	Date of Collection:	10/4/05
Dil. Factor:	1.00	Date of Analysis:	10/6/05 10:05 PM

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	Not Detected
Ethane	0.010	Not Detected
Ethene	0.010	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

Client Sample ID: MW-701 (AH11800)

Lab ID#: 0510114-04A

MODIFIED METHOD VSK-175 GC/FID

File Name:	7100607	Date of Collection:	10/4/05
Dil. Factor:	1.00	Date of Analysis:	10/6/05 10:26 PM

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	0.79
Ethane	0.010	Not Detected
Ethene	0.010	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

Client Sample ID: MW-NASB-DUP 1 (AH11801)

Lab ID#: 0510114-05A

MODIFIED METHOD VSK-175 GC/FID

File Name:	7100608	Date of Collection:	10/4/05
Dil. Factor:	1.00	Date of Analysis:	10/6/05 10:48 PM

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	Not Detected
Ethane	0.010	Not Detected
Ethene	0.010	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

Client Sample ID: ONFF-QT-2 (AH11802) (Trip Blank)

Lab ID#: 0510114-06A

MODIFIED METHOD VSK-175 GC/FID

File Name:	7100609	Date of Collection:	10/4/05
Dil. Factor:	1.00	Date of Analysis:	10/6/05 11:09 PM

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	Not Detected
Ethane	0.010	Not Detected
Ethene	0.010	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

Client Sample ID: MW-NASB-051 (AH11803)

Lab ID#: 0510114-07A

MODIFIED METHOD VSK-175 GC/FID

File Name:	7100610	Date of Collection:	10/4/05
Dil. Factor:	1.00	Date of Analysis:	10/6/05 11:30 PM

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	0.058
Ethane	0.010	Not Detected
Ethene	0.010	Not Detected

Container Type: VOA Vial-40 mL