SOUND ENVIRONMENTAL STRATEGIES
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Closure Report

sound environmental strategies

Property:

Former Port Orchard Bulk Plant and Cardlock
134 Bay Street West
Port Orchard, Washington

Prepared for:

Nordic Properties, Inc.
P.O. Box 84
Port Orchard, Washington 98366

October 4, 2010

www.soundenvironmental.com

Sound Environmental Strategies

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Seattle, Washington 98102

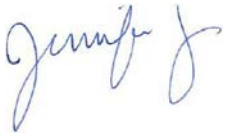
Prepared for:

Nordic Properties, Inc.
P.O. Box 84
Port Orchard, Washington 98366

Closure Report
Former Port Orchard Bulk Plant and Cardlock
134 Bay Street West
Port Orchard, Washington

SES Project No.: 0644-001

Prepared by:



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Reviewed by:

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October 4, 2010

SOUND ENVIRONMENTAL STRATEGIES
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ACRONYMS AND ABBREVIATIONS

AST	aboveground storage tank
bgs	below ground surface
BTEX	benzene, toluene, ethylbenzene, and total xylenes
COCs	chemicals of concern
DRPH	diesel-range petroleum hydrocarbons
Ecology	Washington State Department of Ecology
EPA	United States Environmental Protection Agency
Farallon	Farallon Consulting, LLC
GRPH	gasoline-range petroleum hydrocarbons
MTCA	Washington State Model Toxics Control Act
NWTPH	Northwest Total Petroleum Hydrocarbon
ORPH	oil-range petroleum hydrocarbons
PCS	petroleum-contaminated soil
the Property	134 Bay Street West, Port Orchard, Washington
ROW	right-of-way
SES	Sound Environmental Strategies
the Site	defined by the full lateral and vertical extent of contamination that resulted from the historical operation of a bulk fuel storage facility on the Property.
TPH	total petroleum hydrocarbons
UST	underground storage tank
VCP	Voluntary Cleanup Program
WAC	Washington Administrative code

1.0 INTRODUCTION

Sound Environmental Strategies (SES) has prepared this Closure Report to document the results of the cleanup action conducted between September 2007 and December 2009 at the Former Port Orchard Bulk Plant and Cardlock property located at 134 Bay Street West, Port Orchard, Washington (herein referred to as the Property) (Figure 1). The Closure Report has been prepared on behalf of current Property owner, Nordic Properties, Inc. As established in Section 200 Chapter 173-340 of the Washington Administrative Code (WAC 173-340), the "Site" is defined by the full lateral and vertical extent of contamination that resulted from the historical operation of a bulk fuel storage facility on the Property. The results of prior subsurface investigations and interim remedial actions conducted at the Site indicate that concentrations of the chemicals of concern (COCs), including gasoline-range petroleum hydrocarbons (GRPH), diesel-range petroleum hydrocarbons (DRPH), and benzene, toluene, ethylbenzene and total xylenes (BTEX), were released to the subsurface as a result of the operation of the former bulk fuel storage facility on the Property.

The cleanup action at the Site was conducted in accordance with the Washington State Model Toxics Control Act (MTCA) Regulation as an independent remedial action under the Washington State Department of Ecology's (Ecology's) Voluntary Cleanup Program No. NW1306. The Closure Report includes a brief description of the Property background, summarizes the components and results of the cleanup action at the Site, and provides conclusions.

1.1 PURPOSE

The purpose of the cleanup action was to protect human health and the environment and to restore beneficial uses of soil and groundwater at the points of compliance to meet the requirements for a No Further Action determination from Ecology for the Site. According to the *Cleanup Action Work Plan*, prepared by Farallon Consulting, LLC (Farallon), dated September 22, 2004, the point of compliance for soil is defined as all soil within the Site boundary where analytical results of in situ soil samples have detected concentrations of one or more of the COCs above the MTCA Method A cleanup levels for soil. The point of compliance for groundwater is defined as the Property boundary (Farallon 2004).

In a letter to Ecology dated October 30, 2006, Farallon proposed using monitoring wells MW-3, MW-4, MW-7 and MW-15 as conditional points of compliance for groundwater at the Site, as per WAC 173-340-720[8][c] (Farallon 2006b). Monitoring well MW-7 was damaged and, therefore, no longer viable for sampling. As of September 2005, groundwater samples collected from monitoring wells MW-3, MW-4, and MW-15 had achieved four consecutive quarters with concentrations of the COCs below the applicable MTCA Method A cleanup levels. Monitoring well MW-16 is located downgradient to concentrations of total petroleum hydrocarbon left in place near the southern boundary of Excavation #1, and is upgradient of the proposed conditional points of compliance monitoring wells MW-3, MW-7, and MW-15 (Farallon 2006b). In addition, groundwater samples collected from monitoring well MW-16 had concentrations of benzene exceeding the MTCA Method A cleanup level. Based on this information, monitoring well MW-16 was selected as the point of compliance for groundwater at the Site.

1.2 PROPERTY DESCRIPTION AND BACKGROUND

The Property is located within Kitsap County, Washington, in Township 24 North, Range 1 East, Section 26 and includes portions of tax parcels 4623-000-008-0001, 4623-000-005-0004, 4623-

000-004-0500, and 262401-3-029-2008 (Figure 2). The portions of tax parcels 4623-000-004-0500 and 4623-000-005-0004 that extend north of the State Route 166 right-of-way (ROW) are not included as part of the Site.

The Wilkins Distributing Bulk Plant and Cardlock historically operated on the Property by Wilkins Distributing Company/Nordic Properties from the 1940s through 1992, and by Gull Industries, Inc. as the Port Orchard Bulk Plant and Cardlock from December 15, 1993 to November 15, 2003 (Farallon 2006a). The Property is currently vacant and gravel-covered. The former bulk fuel storage facility on the Property used aboveground storage tanks (ASTs) and underground storage tanks (USTs) for the storage and distribution of gasoline and diesel fuel (Figure 2). Eight ASTs were installed between 1965 and 1989 on the western portion of the Property and removed in early 2004 (Farallon 2006a).

The Property is bordered to the north by the State Route 166 ROW, and beyond tideland and Sinclair Inlet; to the south by wooded land; to the west by Wilkins Drive and beyond a commercial parcel; and to the east by Wilkins Place Southwest, and beyond wooded land. The portions of tax parcels 4623-000-004-0500 and 4623-000-005-0004 extend north of State Route 166.

1.3 BACKGROUND

An interim remedial action was conducted at the Site in September and October 2004, which consisted of the removal of 10 USTs; removal and disposal of 5,593 tons of soil containing concentrations of the COCs exceeding the MTCA Method A cleanup levels from two separate excavation areas (Excavation #1 and Excavation #2); and groundwater monitoring to evaluate the effect of source removal on groundwater quality. Analytical results for Excavation #1 indicated six confirmation soil samples (E1-101304-01, E1-101304-02, E1-101304-04, E1-101304-11, E1-102104-04, and E1-111104-01) contained concentrations of DRPH, GRPH, and one or more BTEX constituent in exceedance of the MTCA Method A cleanup levels (Table 1). Analytical results for Excavation #2 indicated two confirmation soil samples (E2102504-04 and E2-102504-06) contained concentrations of DRPH, GRPH, and/or benzene in exceedance of the MTCA Method A cleanup levels (Table 1). The location of these soil samples include portions of the northern, southern, and western borders of Excavation #1, with the northern extent being within the State Route 166 ROW and the western extent being within Wilkins Drive, and on the northern border of Excavation #2 (Figure 3). These areas were not further excavated due to the presence of subsurface utilities and/or the Property boundary. As of January of 2008 the City of Port Orchard exchanged the land identified as the utility easement on Figure 2, for the Nordic Properties Inc. land identified as Wilkins Drive (Figure 2). Nordic Properties Inc. has indemnified the City of Port Orchard against all potential environmental liabilities associated with Wilkins Drive. Additional background details are described in the *Cleanup Action Work Plan*, dated September 22, 2004, and the *Cleanup Action Status Report*, dated February 22, 2006, both prepared by Farallon, and are not reiterated herein.

1.4 ORGANIZATION

This report describes the cleanup action activities, and presents the results and conclusions of the cleanup action conducted by SES at the Site. This report is organized into the following sections:

- **Section 2—Cleanup Action.** This section provides a description of the components of the cleanup action.

- **Section 3—Cleanup Action Results.** This section summarizes the results of the cleanup action.
- **Section 4—Conclusions.** This section summarizes SES' conclusions pertaining to the environmental conditions at the Site based on the results of the cleanup action.
- **Section 5—References.** This section identifies the documents cited in this report.
- **Section 6—Limitations.** This section presents the limitations associated with the preparation of this report.

2.0 CLEANUP ACTION

The following subsections describe the field activities conducted to meet the objectives of the cleanup action. The cleanup action was conducted in several phases between September 2007 and December 2009, and included the following activities: conducting two separate chemical injections events into push-probe borings and injection wells; excavation of the remainder of a historic gasoline pipe which connected former Excavations #1 and #2; collecting additional confirmation soil samples; and conducting nine groundwater monitoring events. The components of the cleanup action included the following:

- Preparing a health and safety plan in accordance with MTCA and Part 1910.120 of Title 29 of the Code of Federal Regulations prior to initiating field activities;
- Performing a utility locate at the proposed boring locations using a private utility location service, as well as contacting the One-Call Center for utility location;
- Registering with Ecology's Underground Injection Control Program prior to chemical injection;
- Advancing a total of 13 direct-push borings (P1 through P13) for use as injection points at several different areas across the Site;
- Advancing three injection wells (IW-17 through IW-19), with the use of a vactor-truck, for use as injection points at the water line running west-east, south of Excavation #1;
- Excavating a former product pipe which extended from Excavation #1 to Excavation #2;
- Collecting additional confirmation soil samples for laboratory analysis from direct-push borings advanced near the western and southern boundaries of Excavation #1;
- Conducting nine groundwater monitoring events at monitoring well MW-16 on a generally quarterly basis between September 2007 and December 2009;
- Submitting groundwater samples for laboratory analysis; and
- Preparing this report.

The components of the cleanup action are discussed in detail in the following subsections.

2.1 IN SITU CHEMICAL OXIDATION

Prior to conducting the chemical injection events, the Property was registered with Ecology's Underground Injection Control Program as number 30155.

The first injection event was conducted in September 2007, and included performing chemical injection at direct-push borings P1 through P13, as well as monitoring well MW-16. The second injection event was conducted in October 2007, and included performing chemical injection at injection wells IW-17 through IW-19. Prior to the commencement of drilling, public and private utility locate surveys were conducted at the Site. Drilling services for the advancement of the

borings and wells at the Site were provided by Cascade Drilling of Woodinville, Washington, with the use of either a direct-push drill rig or a vactor truck.

Sodium persulfate and hydrogen peroxide were used as the oxidation chemicals for the injections. Hydrogen peroxide activates the persulfate, and the sulfate radical catalyzes the hydrogen peroxide to create some hydroxyl radicals. These radical compounds are the oxidation force that reacts with organic compounds such as GRPH and BTEX. The radicals attack the carbon-carbon bond of the contaminant, breaking the molecule apart. Hydroxyl radicals have an oxidation potential (breaking force) of 2.8 electron volts. Between 2 and 2.5 electron volts are required to break the carbon-carbon chemical bonds of the GRPH aliphatic (single bond) and aromatic (one and a half bond) compounds at the Site. Each batch of the injectant solution was composed of 100 gallons of water, 55 gallons of 5% hydrogen peroxide, and 55 pounds of sodium persulfate, and was injected by directly pouring the solution into each probe/well. Copies of the Material Safety Data Sheets for hydrogen peroxide and sodium persulfate are provided in Appendix A.

2.1.1 September 2007 Injection Event

The first injection event was conducted at the Site in September 2007. A total of thirteen direct-push probes (P1 through P13) were advanced with the use of a direct-push drill rig. The borings were placed at various locations where residual concentrations of DRPH, GRPH and/or one or more BTEX constituent remained after the September 2004 through January 2006 cleanup action activities (Farallon 2006). Borings P1 through P3 were advanced north, east, and south of monitoring well MW-16, adjacent to the location of confirmation sample E1-101304-04; borings P4 through P6 were advanced near the southwest border of Excavation #1, adjacent to the location of confirmation sample E1-101304-11; borings P7 through P9 were advanced along the west border of Excavation #1, adjacent to the location of confirmation sample E1-102104-04; and borings P10 through P13 were advanced along the stormwater drain line which runs west-east within the State Route 166 ROW, adjacent to the location of confirmation sample E1-111104-01 (Figure 3). Borings P1 through P13 extended to a depth of approximately 9 feet below ground surface (bgs). In addition, monitoring well MW-16 was used as an injection point (Figure 3).

Temporary wells for each boring were constructed of 1-inch-diameter blank polyvinyl chloride casing, flush-threaded to 5 feet of 0.010-inch slotted well screen, fitted with a threaded polyvinyl chloride bottom cap. No soil samples were obtained during boring advancement.

The first injection event consisted of injecting a total of five batches into borings P1 through P13, and two batches into monitoring well MW-16. The volume injected into each boring or well was based on what the formation would accept. A total of approximately 1,100 gallons of the solution was injected into borings P1 through P13 and monitoring well MW16 during the September 2007 injection event. After completion of the chemical injection, the temporary screen was removed and each boring was backfilled with bentonite chips to surface grade.

2.1.2 October 2007 Injection Event

The second injection event was conducted at the Site in October 2007. Three injection well borings (IW-17 through IW-19) were advanced with the use of a vactor truck. A vactor truck was used for well advancement due to the well boring locations placed

directly above a waterline which runs east to west, adjacent to the south of Excavation #1 (Figure 3). The injection well borings were spaced approximately 15 feet apart and advanced to a depth of approximately 10 feet bgs. The injection well borings were placed on the Site where residual concentrations of benzene remained after the September 2004 through January 2006 cleanup action activities (Farallon 2006). Confirmation soil samples previously collected from this area include E1-101304-01 and E1-01304-02 (Figure 3).

The injection wells were constructed of 4-inch-diameter blank polyvinyl chloride casing, flush-threaded to 6 feet of 0.010-inch slotted well screen. The bottom and top of each of the wells were fitted with a threaded polyvinyl chloride bottom cap and a locking compression fit well cap. The annulus of the injection wells was filled with #2/12 silica sand to a minimum height of 1 foot above the top of the screened interval. A bentonite seal having a minimum thickness of 1 foot was installed above the sand pack. The wells were completed at the surface with a flush-mounted, traffic-rated well box set in concrete. No soil samples were obtained during well installation.

The second injection event consisted of injecting a total of three batches into injection wells IW-17 through IW-19. The volume injected into each well was based on what the formation would accept. A total of approximately 500 gallons of the solution was injected into injection wells IW-17 through IW-19 during the October 2007 injection event. Injection wells IW-17 through IW-19 will be decommissioned in accordance with WAC 173-160-381 upon obtaining a No Further Action Determination for the Site from Ecology.

2.2 PIPE EXCAVATION

The former gasoline product pipe was excavated on November 15, 2007, by Case Excavating of Port Orchard, Washington. The pipe was a remnant piece remaining between Excavations #1 and #2, and had previously been cut at the southern extent of Excavation #1 and the northern extent of Excavation #2. The pipe was removed because it was believed that the line was a major source of gasoline contamination in the old right of way. An approximate 4-foot-wide by 6-foot-deep trench was excavated along the path of the pipe which began approximately 10 feet south of monitoring well MW-16, and extended south under the former Wilkins Drive to the former AST area (Figure 4). The 3-inch-diameter steel pipe was located approximately 3 to 4 feet bgs. Sample E1-101304-04 was collected from directly beneath the product pipe in October 2004, during cleanup action activities at Excavation #1, and contained concentrations of DRPH, GRPH, benzene, ethylbenzene, and total xylenes in exceedance of the MTCA Method A cleanup levels (Figure 3, Table 1).

The trench was backfilled with imported fill material to surface grade. Approximately 20 tons of excavated soil was stockpiled on visqueen prior to disposal at Waste Management. The pipe was recycled as scrap steel.

2.3 CONFIRMATION SOIL SAMPLING

On September 18, 2008, three direct-push borings were advanced near the western and southern boundaries of Excavation #1 (Figure 3). Drilling services for the advancement of the borings at the Site were provided by Cascade Drilling using a direct-push drill rig. The borings were placed in the vicinity of confirmation samples E1-101304-02, E1-101304-11, and E1-102104-04, which were collected in 2004 and contained concentrations of GRPH and/or benzene in exceedance of the MTCA Method A cleanup levels. The borings were sampled at

specific intervals so as to compare analytical results with the 2004 confirmation samples, after completion of chemical injection activities. The samples were collected using a 4-foot probe rod driven by 140-pounds-per-square-inch hydraulics powered by nitrogen gas. The sampler was lined with disposable acetate sleeves that were removed and opened to reveal the sample after each 4-foot sample interval driven.

A single confirmation soil sample was collected from each boring from a depth of 4 to 5 or 9 to 10 feet bgs. Samples were placed into iced coolers for transport to TestAmerica Inc. of Bothell, Washington, under standard chain-of-custody protocols for laboratory analysis. Three soil samples (New-Wilkins-Road-North, New-Wilkins-Road-South, and New-MW16-South) were submitted for analysis of GRPH by Northwest Total Petroleum Hydrocarbon (NWTPH) Method NWTPH-Gx and BTEX by United States Environmental Protection Agency (EPA) Method 8021B.

2.4 GROUNDWATER MONITORING

Groundwater monitoring and sampling events were conducted at monitoring well MW-16 in September and December 2007; March, June, and December 2008; and March, June, September, and December 2009.

Upon arrival at the Site for each sampling event, monitoring well MW-16 was opened to allow the water level to equilibrate with atmospheric pressure for a minimum of 15 minutes before obtaining the groundwater level measurement. The groundwater level was measured relative to the top of well casing to an accuracy of 0.01 feet using an electronic water level meter. Purging and sampling of the monitoring well was performed using a peristaltic pump and dedicated polyethylene tubing at a maximum flow rate of 300 milliliters per minute. The tubing intake was placed approximately 2 to 3 feet below the surface of the groundwater or mid-screen in the well. During purging, water quality was monitored using a HORIBA U-22 (or equivalent) water quality meter equipped with a flow-through cell. The water quality parameters that were monitored and recorded included temperature, pH, specific conductance, turbidity, dissolved oxygen, and oxidation-reduction potential.

Following purging, a groundwater sample was collected from the pump outlet tubing located upstream of the flow-through cell and placed directly into clean, laboratory-prepared sample containers. Each container was labeled with a unique sample identification number, placed on ice in a cooler, and transported to TestAmerica, under standard chain-of-custody protocols for laboratory analysis. Groundwater samples were submitted for analysis of GRPH by Method NWTPH-Gx and BTEX by EPA Method 8021B. Purge water generated during each monitoring event was placed in a 5-gallon bucket with a lid and transported to the Nordic Properties, Inc. parcel located at 400 Wilkes Avenue in Bremerton, Washington, and disposed of in the treatment system at that location.

3.0 CLEANUP ACTION RESULTS

The following sections summarize the results of the cleanup action conducted at the Site between September 2007 and June 2009. Laboratory analytical reports for the soil and groundwater samples collected during the September cleanup action are included in Appendix B.

3.1 SOIL

Analytical results for the three additional confirmation soil samples collected during the cleanup action indicated concentrations of the COCs were below the applicable MTCA Method A cleanup levels with the exception of GRPH and benzene in sample New-MW16-South (Figure 3, Table 1). Sample New-MW16-South was collected from between 4 to 5 feet bgs from the boring advanced adjacent to the 2004 sample #E1-101304-02, which contained concentrations of benzene exceeding the MTCA Method A cleanup level at 4 feet bgs.

3.2 GROUNDWATER

Depth-to-groundwater measurements in monitoring well MW-16 between September 2007 and December 2009 ranged from 7.17 feet bgs (December 2008) to 7.88 feet bgs (December 2009). Groundwater contours from the last full round of depth-to-groundwater measurements, collected in September 2005, indicate a groundwater flow direction to the north-northwest (Figure 4). In addition, the groundwater flow direction at the Site has historically been towards the north-northwest (Farallon 2006a). Analytical results for groundwater samples collected from monitoring well MW-16 for the previous nine quarterly monitoring events indicated the following (Figure 5, Table 2):

- Concentrations of benzene exceeded the MTCA Method A cleanup level for the September and December 2007, and March and June 2008 monitoring events.
- Concentrations of benzene were below the MTCA Method A cleanup level for the December 2008 monitoring event and all four quarterly monitoring events conducted in 2009.
- Concentrations of GRPH, toluene, ethylbenzene, and total xylenes were below the MTCA Method A cleanup levels or the laboratory reporting limit for each of the nine monitoring events.

4.0 CONCLUSIONS

The cleanup action at the Site was conducted in several phases between September 2007 and December 2009, and included conducting two chemical injections event; excavation of a historic gasoline pipe between Excavations #1 and #2; and conducting nine groundwater monitoring events.

Analytical results of soil samples collected during the cleanup action indicate residual soil contamination has been remediated in the following areas of the Site (Figure 3, Table 1):

- The western border of Excavation #1 – New confirmation sample New-Wilkins-Road-North was collected in the vicinity of previous confirmation sample E1-102104-04, which contained concentrations of benzene in exceedance of the MTCA Method A cleanup level. Analytical results for the new confirmation sample indicated concentrations of benzene were below the laboratory reporting limit.
- The southwest border of Excavation #1 – New confirmation sample New-Wilkins-Road-South was collected in the vicinity of previous confirmation sample E1-101304-11, which contained concentrations of GRPH and benzene in exceedance of the MTCA Method A cleanup levels. Analytical results for the new confirmation sample indicated concentrations of GRPH and benzene were below the MTCA Method A cleanup levels or the laboratory reporting limit.

- A portion of the southern border of Excavation #1 – The area in the vicinity of previous confirmation sample E1-101304-04, which contained concentrations of DRPH, GRPH, benzene, ethylbenzene, and total xylenes in exceedance of the MTCA Method A cleanup levels, was excavated to approximately 6 feet bgs during pipe excavation activities. In addition, this sample was adjacent to a chemical injection point (P3). These combined activities likely removed concentrations of the COCs in exceedance of the MTCA Method A cleanup levels.
- The northern border of Excavation #1 located within the Department of Transportation State Route 166 ROW – The previous confirmation soil sample E1-111104-01 collected within the State Route 166 ROW contained a concentration of benzene of 0.035 milligrams per kilogram, only slightly exceeding the MTCA Method A cleanup level. Four chemical injection points were placed in the vicinity of this soil sample for chemical injection, likely resulting in reducing benzene concentrations to below the MTCA Method A cleanup level in this area.

Areas where residual soil contamination remains at the Site include the following (Figure 3, Table 1):

- A portion of the southern border of Excavation #1 – The analytical results from new confirmation sample New-MW16-South, collected in the vicinity of previous confirmation samples E1-101304-01 and E1-101304-02, indicated concentrations of GRPH and benzene remain in exceedance of the MTCA Method A cleanup levels.
- The northern border of Excavation #2 – The analytical results from previous confirmation samples E2-102504-04 and E2-102504 indicated concentrations of DRPH, GRPH, and/or benzene were present. No additional cleanup action activities were conducted in Excavation #2, therefore, concentrations of the COCs in exceedance of the MTCA Method A cleanup levels remain in this area.

Both of these areas are currently capped by asphalt pavement, therefore, there is no risk of exposure to humans or the environmental.

Analytical results for the point of compliance well MW-16 indicate concentrations of the COCs have been below the MTCA Method A cleanup levels for the past five consecutive quarters. Monitoring well MW-16 is located downgradient relative to the two remaining areas with concentrations of the COCs in soil in exceedance of the MTCA Method A cleanup levels, indicating the residual concentrations of DRPH, GRPH, and benzene are not leaching into groundwater.

Based upon these conclusions, SES requests that Ecology grant a No Further Action determination with a Restrictive Covenant for soil in the areas containing concentrations of DRPH, GRPH, and benzene in exceedance of the MTCA Method A cleanup levels. These areas include the area between soil samples E1-101304-01 and E1-101304-02, at the southern border of Excavation #1, and the area between soil samples E2-102504-04 and E2-102504 E1-101304-01 and E1-101304-02, at the northern border of Excavation #2. Both of these areas are contained within the Property boundary. The Restrictive Covenant will provide notification that, should soils be excavated in either of the affected areas, proper disposal protocol will be followed.

5.0 REFERENCES

Farallon Consulting, LLC. 2004. *Cleanup Action Work Plan, Port Orchard Bulk Plant and Cardlock, 134 Bay Street West, Port Orchard, Washington.* September 22.

_____. 2006a. *Cleanup Action Status Report, Port Orchard Bulk Plant and Cardlock, 134 Bay Street West, Port Orchard, Washington, Ecology VCP # NW 1306*. February 22.

_____. 2006b. *Response to Ecology Opinion Letter on Cleanup Action, Port Orchard Bulk Plant and Cardlock, Facility/Site No. 26185147/VCP NO. NW1306, 134 Bay Street West, Port Orchard, Washington*. October 30.

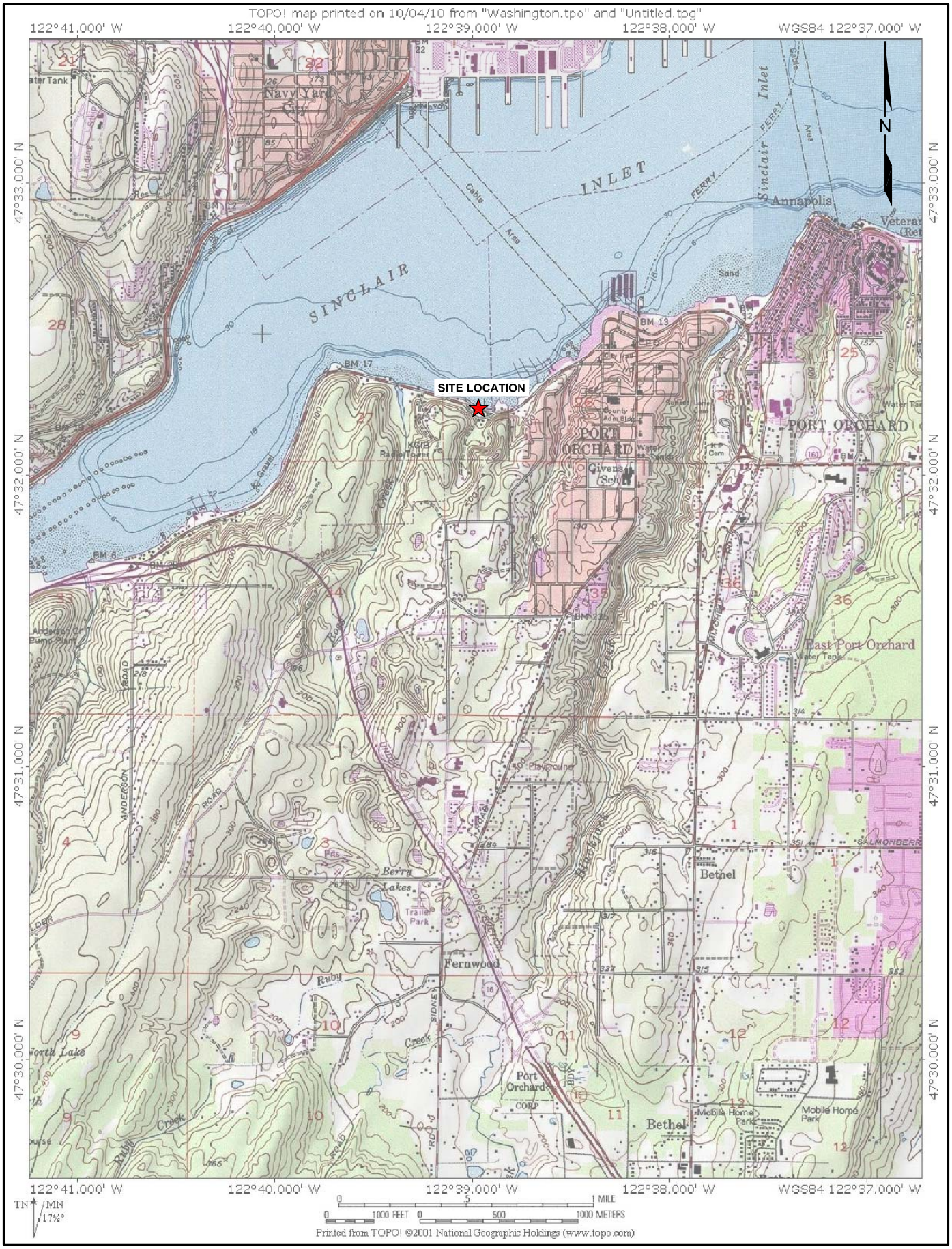
6.0 LIMITATIONS

The services described in this report were performed consistent with generally accepted professional consulting principles and practices. No other warranty, express or implied, is made. These services were performed consistent with our agreement with our client. This report is solely for the use and information of our client unless otherwise noted. Any reliance on this report by a third party is at such party's sole risk.

Opinions and recommendations contained in this report apply to conditions existing when services were performed and are intended only for the client, purposes, locations, time frames, and project parameters indicated. We are not responsible for the impacts of any changes in environmental standards, practices, or regulations subsequent to performance of services. We do not warrant the accuracy of information supplied by others, or the use of segregated portions of this report.

FIGURES

P:\0644 NORDIC PROPERTIES\0644-001-01 PORT ORCHARD SITE CLOSURE\FIGURES\0644-001-01_VIC_BLRBLR.DWG



SOUND ENVIRONMENTAL STRATEGIES
SOUNDENVIRONMENTAL.COM

DATE:	10/04/2010
DRAWN BY:	BLR
CHECKED BY:	TWM
CAD FILE:	0644-001-01_VIC

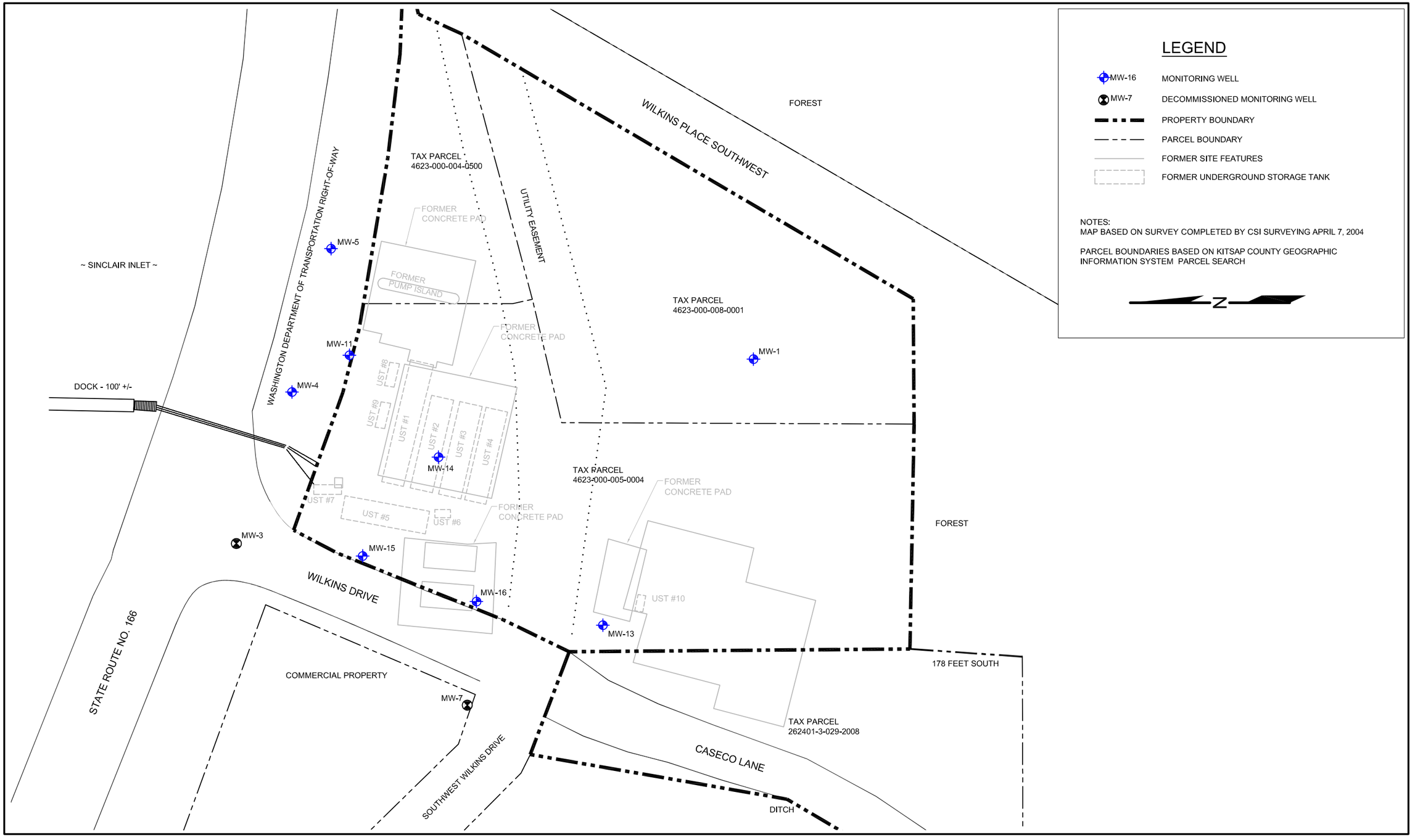
PROJECT NAME:	FORMER PORT ORCHARD BULK PLANT AND CARDLOCK
SES PROJECT NUMBER:	0644-001-01
STREET ADDRESS:	134 BAY STREET WEST
CITY, STATE:	PORT ORCHARD, WASHINGTON

FIGURE 1
PROPERTY LOCATION MAP

SOUNDENVIRONMENTAL.COM

10/4/2010

P:\0644 NORDIC PROPERTIES\0644-001-01 PORT ORCHARD SITE CLOSURE\FIGURES\2009CR\0644_2009CR_SP_BLRBLRBLR.DWG



LEGEND

- MW-16 — MONITORING WELL
- MW-7 — DECOMMISSIONED MONITORING WELL
- PROPERTY BOUNDARY
- PARCEL BOUNDARY
- FORMER SITE FEATURES
- FORMER UNDERGROUND STORAGE TANK

NOTES:
MAP BASED ON SURVEY COMPLETED BY CSI SURVEYING APRIL 7, 2004

PARCEL BOUNDARIES BASED ON KITSAP COUNTY GEOGRAPHIC INFORMATION SYSTEM PARCEL SEARCH

N

SOUND ENVIRONMENTAL STRATEGIES
SOUNDENVIRONMENTAL.COM

DATE: 11/24/09
DRAWN BY: NAC
CHECKED BY: JC
CAD FILE: 0644_2009_SP

PROJECT NAME: FORMER PORT ORCHARD BULK PLANT AND CARDLOCK
SES PROJECT NUMBER: 0644-001-01
STREET ADDRESS: 134 BAY STREET WEST
CITY: PORT ORCHARD, WASHINGTON

REGION:

0 10 20 40 80
APPROXIMATE SCALE IN FEET

FIGURE 2
PROPERTY PLAN

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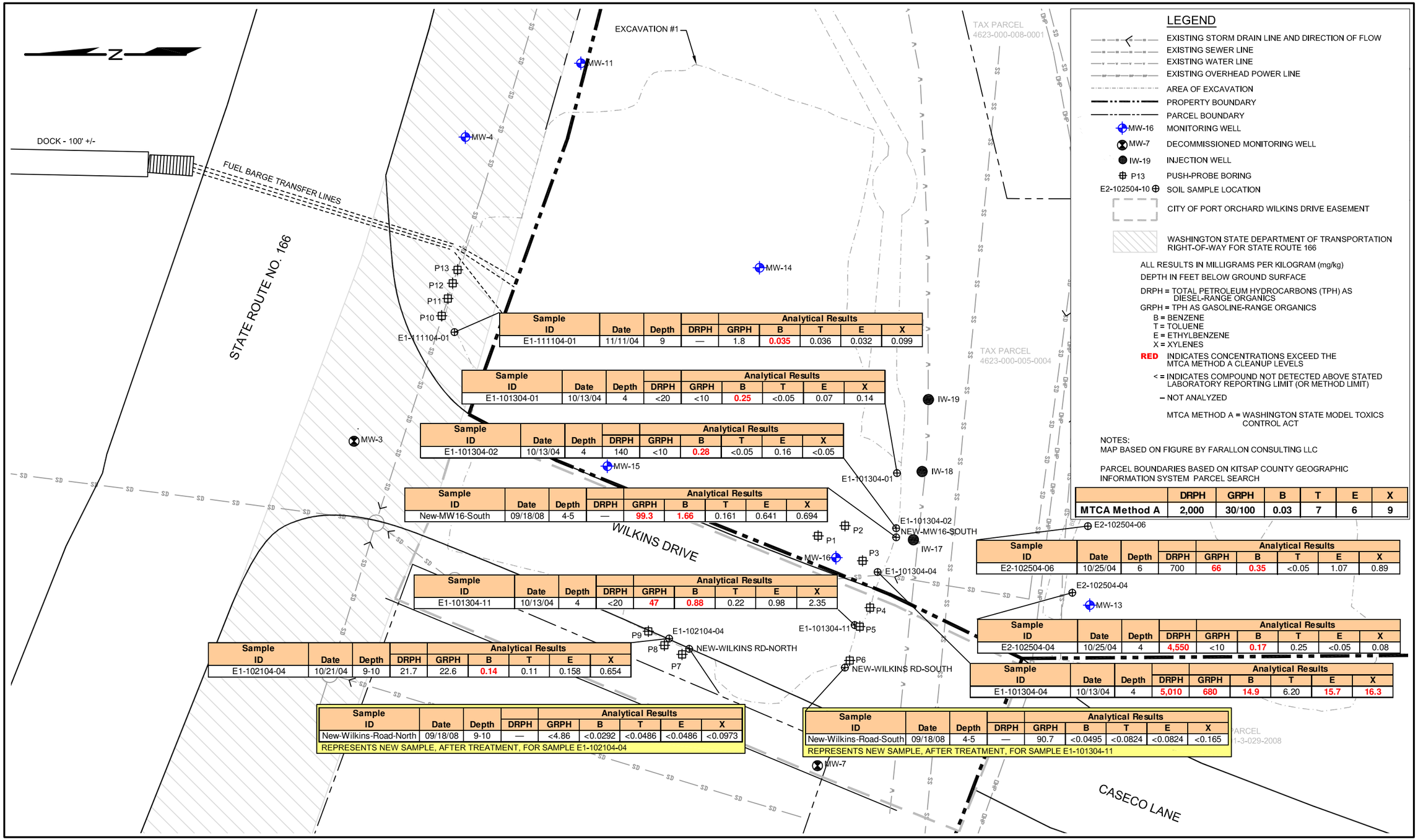

Sample ID	Date	Depth	Analytical Results					
			DRPH	GRPH	B	T	E	X
E1-111104-01	11/11/04	9	—	1.8	0.035	0.036	0.032	0.099

Sample ID	Date	Depth	Analytical Results					
			DRPH	GRPH	B	T	E	X
E1-101304-01	10/13/04	4	<20	<10	0.25	<0.05	0.07	0.14

Sample ID	Date	Depth	Analytical Results					
			DRPH	GRPH	B	T	E	X
E1-101304-02	10/13/04	4	140	<10	0.28	<0.05	0.16	<0.05

Sample ID	Date	Depth	Analytical Results					
			DRPH	GRPH	B	T	E	X
New-MW16-South	09/18/08	4-5	—	99.3	1.66	0.161	0.641	0.694

Sample ID	Date	Depth	Analytical Results					
			DRPH	GRPH	B	T	E	X
E1-101304-11	10/13/04	4	<20	47	0.88	0.22	0.98	2.35

Sample ID	Date	Depth	Analytical Results					
			DRPH	GRPH	B	T	E	X
E1-102104-04	10/21/04	9-10	21.7	22.6	0.14	0.11	0.158	0.654

Sample ID	Date	Depth	Analytical Results					
			DRPH	GRPH	B	T	E	X
New-Wilkins-Road-North	09/18/08	9-10	—	<4.86	<0.0292	<0.0486	<0.0486	<0.0973

REPRESENTS NEW SAMPLE, AFTER TREATMENT, FOR SAMPLE E1-102104-04

Sample ID	Date	Depth	Analytical Results					
			DRPH	GRPH	B	T	E	X
E2-102504-06	10/25/04	6	700	66	0.35	<0.05	1.07	0.89

Sample ID	Date	Depth	Analytical Results					
			DRPH	GRPH	B	T	E	X
E2-102504-04	10/25/04	4	4,550	<10	0.17	0.25	<0.05	0.08

Sample ID	Date	Depth	Analytical Results					
			DRPH	GRPH	B	T	E	X
E1-101304-04	10/13/04	4	5,010	680	14.9	6.20	15.7	16.3

Sample ID	Date	Depth	Analytical Results					
			DRPH	GRPH	B	T	E	X
New-Wilkins-Road-South	09/18/08	4-5	—	90.7	<0.0495	<0.0824	<0.0824	<0.165

REPRESENTS NEW SAMPLE, AFTER TREATMENT, FOR SAMPLE E1-101304-11

LEGEND

- EXISTING STORM DRAIN LINE AND DIRECTION OF FLOW
- EXISTING SEWER LINE
- EXISTING WATER LINE
- EXISTING OVERHEAD POWER LINE
- AREA OF EXCAVATION
- PROPERTY BOUNDARY
- PARCEL BOUNDARY
- MW-16 MONITORING WELL
- MW-7 DECOMMISSIONED MONITORING WELL
- IW-19 INJECTION WELL
- P13 PUSH-PROBE BORING
- E2-102504-10 SOIL SAMPLE LOCATION
- CITY OF PORT ORCHARD WILKINS DRIVE EASEMENT
- WASHINGTON STATE DEPARTMENT OF TRANSPORTATION RIGHT-OF-WAY FOR STATE ROUTE 166

ALL RESULTS IN MILLIGRAMS PER KILOGRAM (mg/kg)

DEPTH IN FEET BELOW GROUND SURFACE

DRPH = TOTAL PETROLEUM HYDROCARBONS (TPH) AS DIESEL-RANGE ORGANICS

GRPH = TPH AS GASOLINE-RANGE ORGANICS

B = BENZENE
T = TOLUENE
E = ETHYLBENZENE
X = XYLENES

RED INDICATES CONCENTRATIONS EXCEED THE MTCA METHOD A CLEANUP LEVELS

< = INDICATES COMPOUND NOT DETECTED ABOVE STATED LABORATORY REPORTING LIMIT (OR METHOD LIMIT)

– NOT ANALYZED

MTCA METHOD A = WASHINGTON STATE MODEL TOXICS CONTROL ACT

NOTES:
MAP BASED ON FIGURE BY FARALLON CONSULTING LLC

PARCEL BOUNDARIES BASED ON KITSAP COUNTY GEOGRAPHIC INFORMATION SYSTEM PARCEL SEARCH

	DRPH	GRPH	B	T	E	X
MTCA Method A	2,000	30/100	0.03	7	6	9

SOUND ENVIRONMENTAL STRATEGIES
SOUNDENVIRONMENTAL.COM

DATE: 11/24/09
DRAWN BY: NAC
CHECKED BY: JC
CAD FILE: 0644_2009CR_SD

PROJECT NAME: FORMER PORT ORCHARD BULK PLANT AND CARDLOCK
SES PROJECT NUMBER: 0644-001-01
STREET ADDRESS: 134 BAY STREET WEST
CITY: PORT ORCHARD, WASHINGTON

REGION:

0 5 10 20 40
APPROXIMATE SCALE IN FEET

FIGURE 3
CONFIRMATION SOIL ANALYTICAL RESULTS

10/4/2010
P:\0644 NORDIC PROPERTIES\0644-001-01 PORT ORCHARD SITE CLOSURE\FIGURES\2009CR\0644_2009CR_SD_BLRBLR.DWG
SOUNDENVIRONMENTAL.COM

10/4/2010

P:\0644 NORDIC PROPERTIES\0644-001-01 PORT ORCHARD SITE CLOSURE\FIGURES\2009CR\0644_2009CR_CM_BLRBLR.DWG

N

DOCK - 100' +/-

FUEL BARGE TRANSFER LINES

STATE ROUTE NO. 166

EXCAVATION #1

EXCAVATION #2

WILKINS DRIVE

CASECO LANE

MW-11 (NM)

MW-4 (92.09')

MW-3* (88.68')

MW-15 (90.76')

MW-16 (91.74')

MW-14 (100.54')

MW-13 (98.03')

MW-7

92.00

94.00

96.00

98.00

100.00

90.00

TAX PARCEL 4623-000-008-0001

TAX PARCEL 4623-000-005-0004

TAX PARCEL 262401-3-029-2008

LEGEND

- EXISTING STORM DRAIN LINE AND DIRECTION OF FLOW
- EXISTING SEWER LINE
- EXISTING WATER LINE
- EXISTING OVERHEAD POWER LINE
- AREA OF EXCAVATION
- PROPERTY BOUNDARY
- PARCEL BOUNDARY
- MW-16 MONITORING WELL
- MW-7 DECOMMISSIONED MONITORING WELL
- CITY OF PORT ORCHARD WILKINS DRIVE EASEMENT
- WASHINGTON STATE DEPARTMENT OF TRANSPORTATION RIGHT-OF-WAY FOR STATE ROUTE 166
- 2.00-FOOT ELEVATION CONTOURS
- DIRECTION OF GROUNDWATER FLOW (SEPTEMBER 28, 2005)
- (90.76) GROUNDWATER SURFACE ELEVATION
- (NM) NOT MEASURED
- * MONITORING WELL MW-3 WAS DECOMMISSIONED IN DECEMBER 2005

NOTES:
MAP BASED ON FIGURE BY FARALLON CONSULTING LLC

PARCEL BOUNDARIES BASED ON KITSAP COUNTY GEOGRAPHIC INFORMATION SYSTEM PARCEL SEARCH

SOUND ENVIRONMENTAL STRATEGIES
SOUNDENVIRONMENTAL.COM

DATE: 11/24/09
DRAWN BY: NAC
CHECKED BY: JC
CAD FILE: 0644_2009_CM

PROJECT NAME: FORMER PORT ORCHARD BULK PLANT AND CARDLOCK
SES PROJECT NUMBER: 0644-001-01
STREET ADDRESS: 134 BAY STREET WEST
CITY: PORT ORCHARD, WASHINGTON

REGION:

0 5 10 20 40
APPROXIMATE SCALE IN FEET

FIGURE 4
GROUNDWATER CONTOUR MAP
(SEPTEMBER 28, 2005)

SOUNDENVIRONMENTAL.COM

N

DOCK - 100' +/-

FUEL BARGE TRANSFER LINES

STATE ROUTE NO. 166

EXCAVATION #1

EXCAVATION #2

WILKINS DRIVE

CASECO LANE

MW-3
MW-4
MW-7
MW-11
MW-13
MW-14
MW-15
MW-16

TAX PARCEL
4623-000-008-0001

TAX PARCEL
4623-000-005-0004

TAX PARCEL
262401-3-029-2008

Well ID	Sample Date	Analytical Results				
		GRPH	B	T	E	X
MW-16	09/14/07	133	**57.1**	<0.500	<0.500	<1.00
	12/20/07	<50	**59.3**	<0.500	<0.500	<1.00
	03/18/08	251	**89.7**	0.633	<0.500	<1.00
	06/23/08	124	**46.3**	<0.500	<0.500	<1.00
	12/30/08	<50	1.14	<0.500	<0.500	<1.00
	03/09/09	<50	2.13	<0.500	<0.500	<1.00
	06/08/09	<50	0.846	<0.500	<0.500	<1.00
	09/17/09	<50	<1.0	<1.0	<1.0	<3.0
	12/14/09	<50	<1.0	<1.0	<1.0	<3.0
MTCA Method A		**800**	**5**	**1,000**	**700**	**1,000**

LEGEND

- EXISTING STORM DRAIN LINE AND DIRECTION OF FLOW
- EXISTING SEWER LINE
- EXISTING WATER LINE
- EXISTING OVERHEAD POWER LINE
- AREA OF EXCAVATION
- PROPERTY BOUNDARY
- PARCEL BOUNDARY
- MW-16 MONITORING WELL
- MW-7 DECOMMISSIONED MONITORING WELL
- CITY OF PORT ORCHARD WILKINS DRIVE EASEMENT
- WASHINGTON STATE DEPARTMENT OF TRANSPORTATION RIGHT-OF-WAY FOR STATE ROUTE 166

ALL RESULTS IN MICROGRAMS PER LITER

MTCA METHOD A= WASHINGTON STATE MODEL TOXICS CONTROL ACT

GRPH = TPH AS GASOLINE-RANGE ORGANICS

B = BENZENE
T = TOLUENE
E = ETHYLBENZENE
X = TOTAL XYLENES

RED INDICATES CONCENTRATIONS EXCEED THE MTCA METHOD A CLEANUP LEVELS

< = INDICATES COMPOUND NOT DETECTED ABOVE STATED LABORATORY REPORTING LIMIT (OR METHOD LIMIT)

NOTES:
MAP BASED ON FIGURE BY FARALLON CONSULTING LLC

PARCEL BOUNDARIES BASED ON KITSAP COUNTY GEOGRAPHIC INFORMATION SYSTEM PARCEL SEARCH

SOUND ENVIRONMENTAL STRATEGIES
SOUNDENVIRONMENTAL.COM

DATE: 11/24/09
DRAWN BY: NAC
CHECKED BY: JC
CAD FILE: 0644_2009_GD

PROJECT NAME: FORMER PORT ORCHARD BULK PLANT AND CARDLOCK
SES PROJECT NUMBER: 0644-001-01
STREET ADDRESS: 134 BAY STREET WEST
CITY: PORT ORCHARD, WASHINGTON

REGION:

0 5 10 20 40
APPROXIMATE SCALE IN FEET

FIGURE 5
GROUNDWATER ANALYTICAL RESULTS

TABLES

SOUND ENVIRONMENTAL STRATEGIES
www.soundenvironmental.com

Table 1
Summary of Soil Analytical Results
Former Port Orchard Bulk Plant and Cardlock
Port Orchard, Washington

Sample ID	Date	Sample Type	Depth (feet)[1]	Analytical Results (milligrams per kilogram)						
				DRPH[2]	ORPH[2]	GRPH[3]	Benzene[4]	Toluene[4]	Ethylbenzene[4]	Xylenes[4]
Excavation 1										
E1-101104-01	10/11/04	BTM	12	<20	—	<10	<0.02	<0.05	<0.05	<0.05
E1-101104-02	10/11/04	BTM	6	<20	—	<10	<0.02	<0.05	<0.05	<0.05
E1-101104-03	10/11/04	BTM	7-8	<20	—	<10	<0.02	<0.05	<0.05	<0.05
E1-101104-04	10/11/04	SD-E	7	<20	—	<10	<0.02	<0.05	<0.05	<0.05
E1-101104-05	10/11/04	BTM	12-13	<20	—	<10	<0.02	<0.05	<0.05	<0.05
E1-101104-05 Dup	10/11/04	LD	12-13	<20	—	<10	<0.02	<0.05	<0.05	<0.05
E1-101104-06	10/11/04	BTM	12-13	<20	—	<10	<0.02	<0.05	<0.05	<0.05
E1-101104-07	10/11/04	SD-E	8-9	<20	—	<10	<0.02	<0.05	<0.05	<0.05
E1-101104-08	10/11/04	SD-NE	7-8	<20	—	<10	<0.02	<0.05	<0.05	<0.05
E1-101104-09	10/11/04	BTM	9	<20	—	<10	<0.02	<0.05	<0.05	<0.05
E1-101204-01	10/12/04	SD-S	8-9	<20	—	<10	<0.02	<0.05	<0.05	<0.05
E1-101204-02	10/12/04	SD-S	8-9	1,010	—	<10	<0.02	<0.05	<0.05	<0.05
E1-101204-03	10/12/04	SD-N	9	<20	—	<10	<0.02	<0.05	<0.05	<0.05
E1-101204-04	10/12/04	BTM	12	<20	—	<10	<0.02	<0.05	<0.05	<0.05
E1-101204-04 Dup	10/12/04	LD	12	<20	—	<10	<0.02	<0.05	<0.05	<0.05
E1-101204-05	10/12/04	SD-S	8-9	<20	—	<10	<0.02	<0.05	<0.05	<0.05
E1-101204-06	10/12/04	BTM	12	<20	—	<10	<0.02	<0.05	<0.05	<0.05
E1-101204-07	10/12/04	BTM	12	<20	—	<10	<0.02	<0.05	<0.05	<0.05
E1-101204-08	10/12/04	BTM	12	<20	—	<10	<0.02	<0.05	<0.05	<0.05
E1-101204-09	10/12/04	SD-N	9	<20	—	<10	**0.036**	0.07	<0.05	0.30
E1-101204-09 Dup	10/12/04	LD	12	--	—	<10	**0.042**	<0.05	<0.05	0.31
E1-101204-11	10/12/04	FD	12	<20	—	12	**0.060**	0.10	0.06	0.50
E1-101204-10	10/12/04	BTM	12	<20	—	<10	<0.02	<0.05	<0.05	<0.05
E1-101304-01	10/13/04	SD-S	4	<20	—	<10	**0.25**	<0.05	0.07	0.14
E1-101304-02	10/13/04	SD-S	4	140	—	<10	**0.28**	<0.05	0.16	<0.05
E1-101304-03	10/13/04	FD	4	260	—	**46**	**1.24**	<0.05	1.39	0.83
E1-101304-04	10/13/04	SD-S	4	**5,010**	—	**680**	**14.9**	6.20	**15.7**	**16.3**
E1-101304-05	10/13/04	BTM	6	<20	—	<10	**0.084**	<0.05	<0.05	<0.05
E1-101304-06	10/13/04	BTM	8-9	<20	—	<10	<0.02	<0.05	<0.05	<0.05
E1-101304-06 Dup	10/13/04	BTM	8-9	<20	—	<10	<0.02	<0.05	<0.05	<0.05
E1-101304-07	10/13/04	PCS	5	560	—	21	**0.70**	<0.05	0.69	1.02
E1-101304-08	10/13/04	BTM	6	<20	—	<10	<0.02	<0.05	<0.05	<0.05
E1-101304-09	10/13/04	SD-S	5	<20	—	<10	**0.14**	<0.05	<0.05	<0.05
E1-101304-10	10/13/04	FD	5	22	—	<10	<0.02	<0.05	<0.05	<0.05
E1-101304-11	10/13/04	SD-S	4	<20	—	**47**	**0.88**	0.22	0.98	2.35
MTCA Method A Cleanup Levels for Soil[5]				**2,000**	**2,000**	**30/100[a]**	**0.03**	**7**	**6**	**9**

SOUND ENVIRONMENTAL STRATEGIES
www.soundenvironmental.com

Table 1
Summary of Soil Analytical Results
Former Port Orchard Bulk Plant and Cardlock
Port Orchard, Washington

Sample ID	Date	Sample Type	Depth (feet)[1]	Analytical Results (milligrams per kilogram)						
				DRPH[2]	ORPH[2]	GRPH[3]	Benzene[4]	Toluene[4]	Ethylbenzene[4]	Xylenes[4]
Excavation 1										
E1-101304-12	10/13/04	PERF	6	990	—	**145**	**2.91**	6.44	**31.1**	**48.5**
E1-101404-01	10/14/04	BTM	8	<20	—	<10	**0.32**	0.09	0.07	0.35
E1-101404-01 Dup	10/14/04	LD	8	<20	—	<10	**0.29**	0.07	0.07	0.25
E1-101404-02	10/14/04	BTM	8	<20	—	<10	<0.02	<0.05	<0.05	<0.05
E1-101404-03	10/14/04	BTM	8-9	<20	—	<10	<0.02	<0.05	<0.05	<0.05
E1-101404-04	10/14/04	BTM	8	<20	—	<10	**0.031**	<0.05	<0.05	<0.05
E1-101404-05	10/14/04	SD-E	8	<10	<25	1.39	<0.0164	0.0514	0.0103	0.0403
E1-101404-06	10/14/04	SD-S	8-9	17.5	<25	0.921	<0.0160	0.0161	0.000637	0.0249
E1-101404-07	10/14/04	BTM	12-13	<10	<25	1.59	<0.0190	0.0193	0.0109	0.038
E1-101404-08	10/14/04	BTM	9	<10	<25	5.18	<0.0161	0.012	<0.00536	0.15
E1-101404-09	10/14/04	BTM	9-10	<20	—	<10	**0.23**	<0.05	<0.05	0.07
E1-101404-10	10/14/04	SD-NE	8-9	<20	—	<10	**0.061**	<0.05	<0.05	0.12
E1-101404-11	10/14/04	SD-NE	9	<20	—	<10	<0.02	<0.05	<0.05	<0.05
E1-101404-12	10/14/04	BTM	12	<20	—	<10	<0.02	<0.05	<0.05	<0.05
E1-101504-01	10/15/04	SD-N	9	<20	—	<10	<0.02	<0.05	<0.05	<0.05
E1-101504-02	10/15/04	BTM	12	<20	—	<10	0.026	<0.05	<0.05	<0.05
E1-101504-02 Dup	10/15/04	LD	12	<20	—	<10	0.027	<0.05	<0.05	<0.05
E1-101504-03	10/15/04	BTM	12	<20	—	<10	<0.02	<0.05	<0.05	<0.05
E1-101504-04	10/15/04	BTM	12-13	<20	—	<10	<0.02	<0.05	<0.05	<0.05
E1-101504-05	10/15/04	BTM	11-12	<20	—	<10	**0.13**	<0.05	<0.05	0.05
E1-101504-06	10/15/04	SD-N	9-10	<20	—	<10	<0.02	<0.05	<0.05	<0.05
E1-101504-07	10/15/04	SD-N	9	<20	—	**1,150**	**0.44**	4.44	**48.8**	**194**
E1-101504-08	10/15/04	BKFL-OB	4	<20	—	<10	<0.02	<0.05	<0.05	<0.05
E1-101504-09	10/15/04	FD	4	<20	—	<10	<0.02	<0.05	<0.05	<0.05
E1-101504-10	10/15/04	BKFL-OB	4	<20	—	<10	<0.02	<0.05	<0.05	<0.05
E1-101504-11	10/15/04	BKFL-IMP	N/A	<20	—	<10	<0.02	<0.05	<0.05	<0.05
E1-101504-12	10/15/04	BKFL-IMP	N/A	<20	—	<10	<0.02	<0.05	<0.05	<0.05
E1-101504-12 Dup	10/15/04	LD	N/A	<20	—	—	—	—	—	—
E1-101504-13	10/15/04	SD-N	5	<20	—	<10	<0.02	<0.05	<0.05	<0.05
E1-101804-01	10/18/04	BTM	11	<20	—	<10	**0.042**	<0.05	<0.05	<0.05
E1-101804-01 Dup	10/18/04	LD	11	<20	—	<10	**0.033**	<0.05	<0.05	<0.05
E1-101804-02	10/18/04	BTM	12-13	<20	—	<10	<0.02	<0.05	<0.05	<0.05
E1-101804-03	10/18/04	SD-W	8	180	—	**38**	**0.55**	0.08	0.35	0.45
E1-101804-04	10/18/04	BTM	12-13	<20	—	<10	<0.02	<0.05	<0.05	<0.05
E1-101804-05	10/18/04	SD-W	10	**2,900**	—	<10	**0.31**	<0.05	<0.05	0.06
E1-101904-01	10/19/04	BTM	11-12	<20	—	<10	<0.02	<0.05	<0.05	<0.05
E1-101904-01 Dup	10/19/04	LD	11-12	<20	—	<10	<0.02	<0.05	<0.05	<0.05
E1-101904-02	10/19/04	SD-W	9-10	<20	—	<10	0.028	0.06	<0.05	0.11
MTCA Method A Cleanup Levels for Soil[5]				**2,000**	**2,000**	**30/100[a]**	**0.03**	**7**	**6**	**9**

SOUND ENVIRONMENTAL STRATEGIES
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Table 1
Summary of Soil Analytical Results
Former Port Orchard Bulk Plant and Cardlock
Port Orchard, Washington

Sample ID	Date	Sample Type	Depth (feet)[1]	Analytical Results (milligrams per kilogram)						
				DRPH[2]	ORPH[2]	GRPH[3]	Benzene[4]	Toluene[4]	Ethylbenzene[4]	Xylenes[4]
Excavation 1										
E1-101904-03	10/19/04	BTM	12	<20	—	<10	<0.02	<0.05	<0.05	<0.05
E1-101904-04	10/19/04	SD-W	9	<20	—	<10	**0.18**	<0.05	<0.05	0.13
E1-101904-05	10/19/04	BTM	4	<20	—	<10	<0.02	<0.05	<0.05	<0.05
E1-101904-06	10/19/04	FD	4	<20	—	<10	<0.02	<0.05	<0.05	<0.05
E1-102004-01	10/20/04	TP	4	<20	—	<10	<0.02	<0.05	<0.05	<0.05
E1-102004-01 Dup	10/20/04	LD	4	<20	—	<10	<0.02	<0.05	<0.05	<0.05
E1-102004-02	10/20/04	TP	3-4	<20	—	<10	<0.02	<0.05	<0.05	<0.05
E1-102004-03	10/20/04	TP	6	<20	—	<10	<0.02	<0.05	<0.05	<0.05
E1-102004-04	10/20/04	BTM	12	<20	—	<10	0.021	<0.05	<0.05	<0.05
E1-102004-06	10/20/04	BTM	12	<20	—	<10	0.022	<0.05	<0.05	<0.05
E1-102104-01	10/21/04	SDW	9-10	<20	—	18	<0.02	<0.05	0.11	0.89
E1-102104-02	10/21/04	SD-W	9-10	<20	—	20	0.024	0.05	0.08	0.39
E1-102104-03	10/21/04	SD-W	9-10	420	—	**350**	**2.77**	**12.9**	**13.9**	**55.1**
E1-102104-04	10/21/04	SD-W	9-10	21.7	77.1	22.6	**0.14**	0.11	0.158	0.654
E1-102104-05	10/21/04	BTM	13-14	<20	—	<10	<0.02	<0.05	<0.05	<0.05
E1-102104-06	10/21/04	SD-N	11	<20	—	<10	<0.02	<0.05	<0.05	<0.05
E1-102104-07	10/21/04	FD	11	<20	—	<10	<0.02	<0.05	<0.05	<0.05
E1-102104-08	10/21/04	SD-N	8-9	<20	870	28	**1.22**	0.07	<0.05	0.13
E1-102104-10	10/21/04	SD-N	8	<20	—	<10	<0.02	<0.05	<0.05	<0.05
E1-102104-10 Dup	10/21/04	LD	8	<20	—	<10	<0.02	<0.05	<0.05	<0.05
E1-102204-01	10/22/04	SD-NW	8	<20	—	22	0.021	<0.05	0.10	0.32
E1-102204-02	10/22/04	SD-SW	8	<20	—	<10	<0.02	<0.05	<0.05	<0.05
E1-102604-01	10/26/04	BTM	4	<20	<40	<10	<0.02	<0.05	<0.05	<0.05
E1-102604-02	10/26/04	TP	4	<20	<40	<10	<0.02	<0.05	<0.05	<0.05
E1-111004-01	11/10/04	SD-S	5-6	—	—	1.9	<0.0138	0.021	0.01	0.045
E1-111004-02	11/10/04	SD-S	3-4	—	—	1.7	<0.0147	0.016	0.008	0.029
E1-111104-01	11/11/04	SD-N	9	—	—	1.8	**0.035**	0.036	0.032	0.099
E1-111104-02	11/11/04	BTM	13	—	—	1.2	<0.0160	0.012	0.007	<0.195
E1-111104-03	11/11/04	SD-N	11-12	—	—	28.4	<0.0166	0.112	0.153	0.453
E1-111204-01	11/11/04	SN-N	5-6	—	—	1.8	<0.0177	0.020	0.012	0.045
Excavation 2										
E2-102004-01	10/20/04	TP	5-6	<20	—	<10	<0.02	<0.05	<0.05	<0.05
E2-102004-02	10/20/04	TP	8	<20	—	<10	<0.02	<0.05	<0.05	<0.05
E2-102004-03	10/20/04	TP	2-3	**3,600**	—	<10	<0.02	0.09	<0.05	0.53
E2-102004-04	10/20/04	FD	2-3	**2,900**	—	<10	<0.02	0.22	<0.05	1.14
E2-102004-05	10/20/04	TP	4	<20	—	<10	<0.02	<0.05	<0.05	<0.05
E2-102004-06	10/20/04	TP	4	<20	—	<10	<0.02	<0.05	<0.05	<0.05
E2-102004-06 Dup	10/20/04	LD	4	<20	—	<10	<0.02	<0.05	<0.05	<0.05
MTCA Method A Cleanup Levels for Soil[5]				**2,000**	**2,000**	**30/100[a]**	**0.03**	**7**	**6**	**9**

SOUND ENVIRONMENTAL STRATEGIES
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Table 1
Summary of Soil Analytical Results
Former Port Orchard Bulk Plant and Cardlock
Port Orchard, Washington

Sample ID	Date	Sample Type	Depth (feet)[1]	Analytical Results (milligrams per kilogram)						
				DRPH[2]	ORPH[2]	GRPH[3]	Benzene[4]	Toluene[4]	Ethylbenzene[4]	Xylenes[4]
Excavation 2										
E2-102004-07	10/20/04	TP	3	<20	—	<10	<0.02	<0.05	<0.05	<0.05
E2-102004-08	10/20/04	TP	4	<20	—	<10	<0.02	<0.05	<0.05	<0.05
E2-102004-09	10/20/04	TP	4	<20	—	<10	<0.02	<0.05	<0.05	0.05
E2-102004-10	10/20/04	TP	3	430	—	<10	<0.02	<0.05	<0.05	<0.05
E2-102204-01	10/22/04	BTM	5-6	<20	<40	<10	0.024	<0.05	<0.05	<0.05
E2-102204-02	10/22/04	SD-W	4-5	**6,230**	<40	<10	**0.27**	<0.05	<0.05	<0.05
E2-102204-03	10/22/04	PCS	3	**3,420**	<40	<10	**0.041**	0.042	<0.05	0.62
E2-102204-04	10/22/04	PCS	4	**2,850**	<40	<10	**0.30**	0.11	<0.05	0.22
E2-102204-04 Dup	10/22/04	LD	4	**2,560**	<40	<10	<0.02	<0.05	<0.05	<0.05
E2-102204-05	10/22/04	SD-E	4	<20	<40	<10	<0.02	<0.05	<0.05	<0.05
E2-102204-06	10/22/04	BTM	5	<20	<40	<10	<0.02	<0.05	<0.05	<0.05
E2-102204-07	10/22/04	SD-W	4	**4,480**	<40	<10	**0.45**	<0.05	<0.05	0.98
E2-102204-08	10/22/04	BTM	5-6	<20	<40	<10	<0.02	<0.05	<0.05	<0.05
E2-102204-09	10/22/04	BTM	5-6	<20	<40	<10	<0.02	<0.05	<0.05	<0.05
E2-102204-10	10/22/04	SD-W	4	850	<40	<10	0.026	<0.05	<0.05	0.31
E2-102204-11	10/22/04	BTM	5	<20	<40	<10	<0.02	<0.05	<0.05	<0.05
E2-102204-11 Dup	10/22/04	LD	5	<20	<40	—	—	—	—	—
E2-102504-01	10/25/04	SD-W	5	<20	<40	<10	<0.02	<0.05	<0.05	<0.05
E2-102504-01`Dup	10/25/04	LD	5	<20	<40	<10	<0.02	<0.05	<0.05	<0.05
E2-102504-02	10/25/04	FD	5	<20	<40	<10	<0.02	<0.05	<0.05	<0.05
E2-102504-03	10/25/04	SD-S	4	<20	<40	<10	<0.02	<0.05	<0.05	<0.05
E2-102504-04	10/25/04	SD-N	4	**4,550**	<40	<10	**0.17**	0.25	<0.05	0.08
E2-102504-05	10/25/04	SD-N	3	680	<40	<10	<0.02	<0.05	0.09	0.23
E2-102504-06	10/25/04	SD-N	3	700	<40	**66**	**0.35**	<0.05	1.07	0.89
E2-102504-07	10/25/04	SD-W	5	420	<40	<10	<0.02	<0.05	<0.05	<0.05
E2-102504-08	10/25/04	BTM	5-6	<20	<40	<10	<0.02	<0.05	<0.05	<0.05
E2-102504-09	10/25/04	SD-S	4-5	<20	<40	<10	<0.02	<0.05	<0.05	<0.05
E2-102504-010	10/25/04	SD-E	4	<20	<40	<10	<0.02	<0.05	<0.05	<0.05
E2-102604-01	10/26/04	SD-N	3	<20	<40	<10	<0.02	<0.05	<0.05	<0.05
E2-102604-01 Dup	10/26/04	LD	3	<20	<40	<10	<0.02	<0.05	<0.05	<0.05
E2-102604-02	10/26/04	SD-E	3-4	<20	<40	<10	<0.02	<0.05	<0.05	<0.05
E2-102604-03	10/26/04	BTM	4	<20	<40	<10	<0.02	<0.05	<0.05	<0.05
E2-102604-04	10/26/04	FD	4	<20	<40	<10	<0.02	<0.05	<0.05	<0.05
E2-102604-05	10/26/04	SD-N	4	<20	<40	<10	<0.02	<0.05	<0.05	<0.05
E2-102604-06	10/26/04	SD-N	4	<20	<40	<10	<0.02	<0.05	<0.05	<0.05
E2-102704-01	10/27/04	BTM	5	10.2	30.4	1.37	<0.0169	0.0242	0.00948	0.0349
E2-102704-04	10/27/04	SD-E	4	<10.0	<25.0	1.59	<0.016	0.022	0.00961	0.0345
E2-102704-05	10/27/04	SD-N	4	30.2	45.7	10.8	0.0226	0.0372	0.0597	0.192
MTCA Method A Cleanup Levels for Soil[5]				**2,000**	**2,000**	**30/100[a]**	**0.03**	**7**	**6**	**9**

SOUND ENVIRONMENTAL STRATEGIES
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Table 1
Summary of Soil Analytical Results
Former Port Orchard Bulk Plant and Cardlock
Port Orchard, Washington

Sample ID	Date	Sample Type	Depth (feet)[1]	Analytical Results (milligrams per kilogram)						
				DRPH[2]	ORPH[2]	GRPH[3]	Benzene[4]	Toluene[4]	Ethylbenzene[4]	Xylenes[4]
Soil Borings										
New-Wilkins-Road-North	09/18/08	Boring	9-10	—	—	<4.86	<0.0292	<0.0486	<0.0486	<0.0973
New-Wilkins-Road-South	09/18/08	Boring	4-5	—	—	90.7	<0.0495	<0.0824	<0.0824	<0.165
New-MW16-South	09/18/08	Boring	4-5	—	—	**99.3**	**1.66**	0.161	0.641	0.694
MTCA Method A Cleanup Levels for Soil[5]				**2,000**	**2,000**	**30/100[a]**	**0.03**	**7**	**6**	**9**

NOTES:

Red denotes concentration exceeds MTCA Method A cleanup levels for groundwater.

Samples analyzed by TestAmerica Laboratories, Inc. of Bothell, Washington.
Data collected prior to 09/18/08 provided by previous consultants.

[1]Depth collected in feet below ground surface.

[2]Analyzed by Method NWTPH-Dx.

[3]Analyzed by Method NWTPH-Gx.

[4]Analyzed by United States Environmental Protection Agency Method 8021B.

[5]MTCA Method A Cleanup Levels, Table 740-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, revised November 2007.

[a]The cleanup level for GRPH is 30 mg/kg when benzene is present and 100 mg/kg when benzene is not present.

— = not analyzed
< = not detected at a concentration exceeding the laboratory reporting limit
BKFL-IMP = Sample of imported backfill soil
BKFL-OB = Sample of overburden soil used as excavation backfill
BTM = Excavation bottom confirmation sample
DRPH = diesel-range petroleum hydrocarbons
FD = Field duplicate sample
GRPH = gasoline-range petroleum hydrocarbons
LD = Laboratory selected sample duplicate analysis of preceeding sample
mg/kg - milligrams per kilogram
MTCA = Washington State Model Toxics Control Act Cleanup Regulation
N/A = not applicable
NWTPH
ORPH = oil-range petroleum hydrocarbons
PERF = performance sample
SD-X = Excavation sidewall confirmation sample with ordinal sidewall designation (N,S,E,W)
TP = Test pit excavation sample

SOUND ENVIRONMENTAL STRATEGIES
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Table 2
Summary of Groundwater Analytical Results
Former Port Orchard Bulk Plant and Cardlock
Port Orchard, Washington

Well ID	Sample Identification	Sample Date	Depth to Groundwater[1] (feet)	Groundwater Elevation[2] (feet)	Analytical Results (micrograms per Liter)					
					DRPH[3]	GRPH[4]	Benzene[5]	Toluene[5]	Ethylbenzene[5]	Total Xylenes[5]
MW-1	MW1-011305	01/13/05	Artesian	103.34+	<250	<50	<0.5	<0.5	<0.5	<1.0
TOC: 103.34	—	03/25/05		103.34+	—	—	—	—	—	—
	—	06/23/05		103.34+	—	—	—	—	—	—
MW-3	MW3-011305	01/13/05	11.65	89.35	<250	<50	<0.5	<0.5	<0.5	<1.0
TOC: 101	MW3-032505	03/25/05	11.90	89.10	<250	<50	<0.5	<0.5	<0.5	<1.0
	MW3-062305	06/23/05	11.74	89.26	<250	<50	<0.5	<0.5	<0.5	<1.0
	MW3-092805	09/28/05	12.32	88.68	<250	<100	<1.0	<1.0	<1.0	<3.0
	Decommissioned on 12/12/2005.									
MW-4	MW4-011305	01/13/05	8.90	92.48	<250	<50	0.635	0.726	0.641	1.89
TOC: 101.38	MW4-032505	03/25/05	8.92	92.46	<250	<50	<0.5	<0.5	<0.5	<1.0
	MW4-062305	06/23/05	9.34	92.04	<250	<50	<0.5	<0.5	<0.5	<1.0
	MW4-092805	09/28/05	9.29	92.09	<250	<100	<1.0	<1.0	<1.0	<3.0
MW-5	MW5-011305	01/13/05	Artesian	100.43+	<250	<50	<0.5	<0.5	<0.5	<1
TOC: 100.43	—	03/25/05		100.43+	—	—	—	—	—	—
	—	06/23/05		100.43+	—	—	—	—	—	—
MW-7	MW7-011305	01/13/05	5.80	93.70	<250	<50	<0.5	<0.5	<0.5	<1.0
TOC: 99.5	—	03/25/05	Paved Over							
MW-11	MW11-011305	01/13/05	7.32	94.38	<250	<50	<0.5	<0.5	<0.5	<1.0
TOC: 101.7	—	03/25/05	7.38	94.32	—	—	—	—	—	—
	—	06/23/05	7.30	94.40	—	—	—	—	—	—
MW-13	MW13-011305	01/13/05	1.49	98.61	296	<50	0.868	<0.5	<0.5	<1.0
TOC: 100.1	MW13-032505	03/25/05	1.83	98.27	<250	<50	<0.5	<0.5	<0.5	<1.0
	MW13-062305	06/23/05	2.00	98.10	<250	<50	<0.5	<0.5	<0.5	<1.0
	MW13-092805	09/28/05	2.07	98.03	<250	<100	<1.0	<1.0	<1.0	<3.0
MW-14	MW14-011305	01/13/05	Artesian	100.84+	<250	<50	<0.5	<0.5	<0.5	<1.0
TOC: 100.84	MW14-032505	03/25/05		100.84+	<250	<50	<0.5	<0.5	<0.5	<1.0
	MW14-062305	06/23/05		100.84+	<250	<50	<0.5	<0.5	<0.5	<1.0
	MW14-092805	09/28/05	0.30	100.54	<250	<100	<1.0	<1.0	<1.0	<3.0
MW-15	MW15-011305	01/13/05	9.33	90.64	<250	<50	<0.5	<0.5	<0.5	<1.0
TOC: 99.97	MW15-032505	03/25/05	9.10	90.87	<250	<50	<0.5	1.18	<0.5	1.77
	MW15-062305	06/23/05	9.09	90.88	<250	<50	<0.5	<0.5	<0.5	<1
	MW15-092805	09/28/05	9.21	90.76	<250	<100	<1.0	<1.0	<1.0	<3.0
MW-16	MW16-011305	01/13/05	7.64	91.70	<250	<50	0.621	<0.5	<0.5	<1.0
TOC: 99.34	MW16-032505	03/25/05	7.51	91.83	<250	59.3	**21.2**	<0.5	<0.5	<1.0
	MW16-062305	06/23/05	7.53	91.81	<250	175	**61.6**	<0.5	0.546	<1
	MW16-092805	09/28/05	7.60	91.74	<250	<100	**10**	<1.0	<1.0	<3.0
	MW16-091407	09/14/07	7.55	91.79	—	133	**57.1**	<0.500	<0.500	<1.00
	MW16-20071220	12/20/07	7.49	91.85	—	<50	**59.3**	<0.500	<0.500	<1.00
	MW16-20080318	03/18/08	—	—	—	251	**89.7**	0.633	<0.500	<1.00
	MW16-20080623	06/23/08	7.25	92.09	—	124	**46.3**	<0.500	<0.500	<1.00
	MW16-20081230	12/30/08	7.17	92.17	—	<50	1.14	<0.500	<0.500	<1.00
	MW16-20090309	03/09/09	7.49	91.85	—	<50	2.13	<0.500	<0.500	<1.00
	MW16-20090608	06/08/09	7.69	91.65	—	<50	0.846	<0.500	<0.500	<1.00
	MW16-20090917	09/17/09	7.86	91.48	—	<50	<1.0	<1.0	<1.0	<3.0
	MW16-20091214	12/14/09	7.88	91.46	—	<50	<1.0	<1.0	<1.0	<3.0
MTCA Method A Cleanup Levels for Groundwater[6]					**500**	**800**	**5**	**1,000**	**700**	**1,000**

NOTES:

Red denotes concentrations exceeding MTCA Method A Cleanup Levels for Groundwater.

Samples analyzed by TestAmerica Laboratories, Inc. of Bothell, Washington or Friedman & Bruya, Inc. of Seattle, Washington. Data collected prior to 09/19/05 provided by previous consultants.

[1]Measured in feet below a fixed spot on the well casing rim.

[2]Elevations relative to a temporary benchmark with an assumed elevation of 100.00 feet.

[3]Analyzed by Method NWTPH-Dx.

[4]Analyzed by Method NWTPH-Gx.

[5]Analyzed by United States Environmental Protection Agency Method 8021B.

[6]MTCA Method A Cleanup Levels, Table 720-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, revised November 2007.

— = not analyzed/not measured

< = not detected at a concentration exceeding the laboratory reporting limit

Artesian = Groundwater level observed above top of well casing

DRPH = diesel-range petroeum hydrocarbons

GRPH = gasoline-range petroleum hydrocarbons

MTCA = Model Toxics Control Act

NWTPH = Northwest Total Petroleum Hydrocarbons

TOC = top of casing elevation (feet)

APPENDIX A

Sodium Persulfate Material Safety Data Sheet
Hydrogen Peroxide Material Safety Data Sheet

MATERIAL SAFETY DATA SHEET

Sodium Persulfate

MSDS Ref. No.: 7775-27-1
Date Approved: 04/30/2006
Revision No.: 12

This document has been prepared to meet the requirements of the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200; the Canada's Workplace Hazardous Materials Information System (WHMIS) and, the EC Directive, 2001/58/EC.

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME:	Sodium Persulfate
SYNONYMS:	Sodium Peroxydisulfate; Disodium Peroxydisulfate
GENERAL USE:	Polymerization initiator. Etchant and cleaner in manufacture of printed circuit boards. Booster in hair bleaching formulations in cosmetics. Secondary oil recovery systems as a polymerization initiator and a gel breaker.

MANUFACTURER

FMC CORPORATION
FMC Peroxygens
1735 Market Street
Philadelphia, PA 19103
(215) 299-6000 (General Information)

EMERGENCY TELEPHONE NUMBERS

(303) 595-9048 (Medical - U.S. - Call Collect)

For leak, fire, spill, or accident emergencies, call:
(800) 424-9300 (CHEMTREC - U.S.A. & Canada)

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

- White, odorless, crystals
- Oxidizer.
- Decomposes in storage under conditions of moisture (water/water vapor) and/or excessive heat causing release of oxides of sulfur and oxygen that supports combustion. Decomposition could form a high temperature melt. See Section 10 ("Stability and Reactivity").

POTENTIAL HEALTH EFFECTS: Airborne persulfate dust may be irritating to eyes, nose, lungs, throat and skin upon contact. Exposure to high levels of persulfate dust may cause difficulty in breathing in sensitive persons.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Wt.%	EC No.	EC Class
Sodium Persulfate	7775-27-1	>99	231-892-1	Not classified

4. FIRST AID MEASURES

EYES: Flush with plenty of water. Get medical attention if irritation occurs and persists.

SKIN: Wash with plenty of soap and water. Get medical attention if irritation occurs and persists.

INGESTION: Rinse mouth with water. Dilute by giving 1 or 2 glasses of water. Do not induce vomiting. Never give anything by mouth to an unconscious person. See a medical doctor immediately.

INHALATION: Remove to fresh air. If breathing difficulty or discomfort occurs and persists, contact a medical doctor.

NOTES TO MEDICAL DOCTOR: This product has low oral toxicity and is not irritating to the eyes and skin. Flooding of exposed areas with water is suggested, but gastric lavage or emesis induction for ingestions must consider possible aggravation of esophageal injury and the expected absence of system effects. Treatment is controlled removal of exposure followed by symptomatic and supportive care.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Deluge with water.

FIRE / EXPLOSION HAZARDS: Product is non-combustible. On decomposition releases oxygen which may intensify fire. Presence of water accelerates decomposition.

FIRE FIGHTING PROCEDURES: Do not use carbon dioxide or other gas filled fire extinguishers; they will have no effect on decomposing persulfates. Wear full protective clothing and self-contained breathing apparatus.

FLAMMABLE LIMITS: Non-combustible

SENSITIVITY TO IMPACT: No data available

SENSITIVITY TO STATIC DISCHARGE: Not available

6. ACCIDENTAL RELEASE MEASURES

RELEASE NOTES: Spilled material should be collected and put in approved DOT container and isolated for disposal. Isolated material should be monitored for signs of decomposition (fuming/smoking). If spilled material is wet, dissolve with large quantity of water and dispose as a hazardous waste. All disposals should be carried out according to regulatory agencies procedures.

7. HANDLING AND STORAGE

HANDLING: Use adequate ventilation when transferring product from bags or drums. Wear respiratory protection if ventilation is inadequate or not available. Use eye and skin protection. Use clean plastic or stainless steel scoops only.

STORAGE: Store (unopened) in a cool, clean, dry place away from point sources of heat, e.g. radiant heaters or steam pipes. Use first in, first out storage system. Avoid contamination of opened product. In case of fire or decomposition (fuming/smoking) deluge with plenty of water to control decomposition. For storage, refer to NFPA Bulletin 430 on storage of liquid and solid oxidizing materials.

COMMENTS: VENTILATION: Provide mechanical general and/or local exhaust ventilation to prevent release of dust into work environment. Spills should be collected into suitable containers to prevent dispersion into the air.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS

Chemical Name	ACGIH	OSHA	Supplier
Sodium Persulfate	0.1 mg/m^3 (TWA)		

ENGINEERING CONTROLS: Provide mechanical local general room ventilation to prevent release of dust into the work environment. Remove contaminated clothing immediately and wash before reuse.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Use cup type chemical goggles. Full face shield may be used.

RESPIRATORY: Use approved dust respirator when airborne dust is expected.

PROTECTIVE CLOTHING: Normal work clothes. Rubber or neoprene footwear.

GLOVES: Rubber or neoprene gloves. Thoroughly wash the outside of gloves with soap and water prior to removal. Inspect regularly for leaks.

9. PHYSICAL AND CHEMICAL PROPERTIES

ODOR:	None
APPEARANCE:	White crystals
AUTOIGNITION TEMPERATURE:	Not applicable. No evidence of combustion up to 800°C. Decomposition will occur upon heating.
BOILING POINT:	Not applicable
COEFFICIENT OF OIL / WATER:	Not applicable
DENSITY / WEIGHT PER VOLUME:	Not available
EVAPORATION RATE:	Not applicable (Butyl Acetate = 1)
FLASH POINT:	Non-combustible
MELTING POINT:	Decomposes
ODOR THRESHOLD:	Not applicable
OXIDIZING PROPERTIES:	Oxidizer
PERCENT VOLATILE:	Not applicable
pH:	typically 5.0 - 7.0 @ 25 °C (1% solution)
SOLUBILITY IN WATER:	73 % @ 25 °C (by wt.)
SPECIFIC GRAVITY:	2.6 (H_2O=1)
VAPOR DENSITY:	Not applicable (Air = 1)
VAPOR PRESSURE:	Not applicable

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID:	Heat, moisture and contamination.
STABILITY:	Stable (becomes unstable in presence of heat, moisture and/or contamination).
POLYMERIZATION:	Will not occur
INCOMPATIBLE MATERIALS:	Acids, alkalis, halides (fluorides, chlorides, bromides and iodides), combustible materials, most metals and heavy metals, oxidizable materials, other oxidizers, reducing agents, cleaners, and organic or carbon containing compounds. Contact

with incompatible materials can result in a material decomposition or other uncontrolled reactions.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxygen that supports combustion and oxides of sulfur.

COMMENTS: PRECAUTIONARY STATEMENT: Use of persulfates in chemical reactions requires appropriate precautions and design considerations for pressure and thermal relief.

Decomposing persulfates will evolve large volumes of gas and/or vapor, can accelerate exponentially with heat generation, and create significant and hazardous pressures if contained and not properly controlled or mitigated.

Use with alcohols in the presence of water has been demonstrated to generate conditions that require rigorous adherence to process safety methods and standards to prevent escalation to an uncontrolled reaction.

---

11. TOXICOLOGICAL INFORMATION

EYE EFFECTS: Non-irritating (rabbit) [FMC Study Number: ICG/T-79.029]

SKIN EFFECTS: Non-irritating (rabbit) [FMC Study Number: ICG/T-79.029]

DERMAL LD_{50}: > 10 g/kg [FMC Study Number: ICG/T-79.029]

ORAL LD_{50}: 895 mg/kg (rat) [FMC Study Number: ICG/T-79.029]

INHALATION LC_{50}: 5.1 mg/l (rat) [FMC I95-2017]

SENSITIZATION: May be sensitizing to allergic persons. [FMC Study Number: ICG/T-79.029]

TARGET ORGANS: Eyes, skin, respiratory passages

ACUTE EFFECTS FROM OVEREXPOSURE: Dust may be harmful and irritating. May be harmful if swallowed.

CHRONIC EFFECTS FROM OVEREXPOSURE: Sensitive persons may develop dermatitis and asthma [Respiration 38:144, 1979]. Groups of male and female rats were fed 0, 300 or 3000 ppm sodium persulfate in the diet for 13 weeks, followed by 5000 ppm for 5 weeks. Microscopic examination of tissues revealed some injury to the gastrointestinal tract at the high dose (3000 ppm) only. This effect is not unexpected for an oxidizer at high concentrations. [Ref. FMC I90-1151, Toxicologist 1:149, 1981].

CARCINOGENICITY:

NTP:	Not listed
IARC:	Not listed
OSHA:	Not listed
OTHER:	ACGIH: Not listed

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION:

Bluegill sunfish, 96-hour LC_{50} = 771 mg/L [FMC Study I92-1250]
Rainbow trout, 96-hour LC_{50} = 163 mg/L [FMC Study I92-1251]
Daphnia, 48-hour LC_{50} = 133 mg/L [FMC Study I92-1252]
Grass shrimp, 96-hour LC_{50} = 519 mg/L [FMC Study I92-1253]

CHEMICAL FATE INFORMATION: Biodegradability does not apply to inorganic substances.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose as a hazardous waste in accordance with local, state and federal regulatory agencies.

14. TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION (DOT)

PROPER SHIPPING NAME:	Sodium Persulfate
PRIMARY HAZARD CLASS / DIVISION:	5.1 (Oxidizer)
UN/NA NUMBER:	UN 1505
PACKING GROUP:	III
LABEL(S):	5.1 (Oxidizer)
PLACARD(S):	5.1 (Oxidizer)
MARKING(S):	Sodium Persulfate, UN 1505
ADDITIONAL INFORMATION:	Hazardous Substance/RQ: Not applicable

49 STCC Number: 4918733

This material is shipped in 225 lb. fiber drums, 55 lb. poly bags and 1000 - 2200 lb. IBC's (supersacks).

INTERNATIONAL MARITIME DANGEROUS GOODS (IMDG)

PROPER SHIPPING NAME: Sodium Persulfate

INTERNATIONAL CIVIL AVIATION ORGANIZATION (ICAO) / INTERNATIONAL AIR TRANSPORT ASSOCIATION (IATA)

PROPER SHIPPING NAME: Sodium Persulfate

OTHER INFORMATION:

Protect from physical damage. Do not store near acids, moisture or heat.

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15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355, APPENDIX A):
Not applicable

SECTION 311 HAZARD CATEGORIES (40 CFR 370):
Fire Hazard, Immediate (Acute) Health Hazard

SECTION 312 THRESHOLD PLANNING QUANTITY (40 CFR 370):
The Threshold Planning Quantity (TPQ) for this product, if treated as a mixture, is 10,000 lbs; however, this product contains the following ingredients with a TPQ of less than 10,000 lbs.:
None

SECTION 313 REPORTABLE INGREDIENTS (40 CFR 372):
Not listed

CERCLA (COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY ACT)

CERCLA DESIGNATION & REPORTABLE QUANTITIES (RQ) (40 CFR 302.4):
Unlisted, RQ = 100 lbs., Ignitability

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA INVENTORY STATUS (40 CFR 710):

Listed

RESOURCE CONSERVATION AND RECOVERY ACT (RCRA)
RCRA IDENTIFICATION OF HAZARDOUS WASTE (40 CFR 261):
Waste Number: D001

CANADA

WHMIS (WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM):

Product Identification Number: 1505
Hazard Classification / Division: Class C (Oxidizer), Class D, Div. 2, Subdiv. B. (Toxic)
Ingredient Disclosure List: Listed

INTERNATIONAL LISTINGS

Sodium persulfate:
Australia (AICS): Listed
China: Listed
Japan (ENCS): (1)-1131
Korea: KE-12369
Philippines (PICCS): Listed

HAZARD, RISK AND SAFETY PHRASE DESCRIPTIONS:

EC Symbols: (Not classified as hazardous)

EC Risk Phrases: (Not classified as hazardous)

EC Safety Phrases: (Not classified as hazardous)

16. OTHER INFORMATION

HMIS

Health	1
Flammability	0
Physical Hazard	1
Personal Protection (PPE)	J

Protection = J (Safety goggles, gloves, apron & combination dust & vapor respirator)

HMIS = Hazardous Materials Identification System

Degree of Hazard Code:
4 = Severe

3 = Serious
2 = Moderate
1 = Slight
0 = Minimal

NFPA

Health	1
Flammability	0
Reactivity	1
Special	OX

SPECIAL = OX (Oxidizer)

NFPA = National Fire Protection Association

Degree of Hazard Code:
4 = Extreme
3 = High
2 = Moderate
1 = Slight
0 = Insignificant

REVISION SUMMARY:
This MSDS replaces Revision #11, dated February 22, 2005.
Changes in information are as follows:
Section 1 (Product and Company Identification)
Section 3 (Composition / Information on Ingredients)
Section 16 (Other Information)

FMC Logo - FMC Corporation Trademark

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1 PRODUCT AND COMPANY IDENTIFICATION

Basic Chemicals
2000 Market Street

Philadelphia, PA 19103

EMERGENCY PHONE NUMBERS:
Chemtrec: (800) 424-9300 (24hrs) or (703) 527-3887
Medical: Rocky Mountain Poison Control Center
(303) 623-5716 (24Hrs)

Information Telephone Numbers	Phone Number	Available Hrs
Product Information	215-419-7704	8:30 a.m. - 5:00 p.m. (Eastern)

Product Name	Hydrogen Peroxide, 35% (All Grades)
Product Synonym(s)	See Miscellaneous Section for all grades covered by this MSDS.
Chemical Family	Peroxide
Chemical Formula	H2O2
Chemical Name	Hydrogen Peroxide Solution, 35%
EPA Reg Num	
Product Use	

IN CANADA, IN CASE OF EMERGENCY CALL:
CANUTEC 613-996-6666

2 COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient Name	CAS RegistryNumber	Typical Wt. %	OSHA
Water	7732-18-5	65%	N
Hydrogen peroxide	7722-84-1	35%	Y

The substance(s) marked with a "Y" in the OSHA column, are identified as hazardous chemicals according to the criteria of the OSHA Hazard Communication Standard (29 CFR 1910.1200)

This material is classified as hazardous under Federal OSHA regulation.

The components of this product are all on the TSCA inventory list.

3 HAZARDS IDENTIFICATION

Emergency Overview
Water white liquid with slightly sharp odor.
DANGER!
CAUSES EYE BURNS. MAY CAUSE BLINDNESS.
CAUSES SKIN BURNS.
CAUSES RESPIRATORY TRACT BURNS.
HARMFUL IF SWALLOWED.
STRONG OXIDIZER.
CONTACT WITH OTHER MATERIAL MAY CAUSE FIRE OR EXPLOSIVE DECOMPOSITION.

Potential Health Effects

Inhalation and skin contact are expected to be the primary routes of occupational exposure to this material. Based on single exposure animal tests, it is considered to be moderately toxic if swallowed, practically non-toxic if absorbed

through skin, slightly toxic if inhaled, and corrosive to eyes and skin. Inhalation of high concentrations of vapor or mist may cause severe irritation of the eyes, nose and upper respiratory tract with cough, chest discomfort and, in severe cases, pulmonary edema (accumulation of fluid in the lungs). Skin contact with concentrated liquid for a short period of time may cause a temporary whitening or bleaching of the skin. Prolonged or repeated contact with skin may cause severe irritation or burns characterized by a tingling sensation, redness, swelling and possible destruction of the dermis with ulceration. If swallowed, this material may cause irritation, burns or perforation of the gastrointestinal tract including the stomach and intestines. Symptoms of injury may include nausea, vomiting, diarrhea, abdominal pain, bleeding or tissue ulceration.

4 FIRST AID MEASURES

IF IN EYES, immediately flush with plenty of water for at least 15 minutes. Get medical attention.

IF ON SKIN, immediately flush with plenty of water. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Destroy contaminated shoes.

IF SWALLOWED, do NOT induce vomiting. Give water to drink. Get medical attention immediately. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

IF INHALED, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

5 FIRE FIGHTING MEASURES

Fire and Explosive Properties

Auto-Ignition Temperature	NA	
Flash Point	None	Flash Point Method
Flammable Limits- Upper	NA	
Lower	NA	

Extinguishing Media

Use water spray, water fog.

Fire Fighting Instructions

Fire fighters and others who may be exposed to products of combustion should wear full fire fighting turn out gear (full Bunker Gear) and self-contained breathing apparatus (pressure demand NIOSH approved or equivalent). Fire fighting equipment should be thoroughly decontaminated after use.

Fire and Explosion Hazards

Solutions above 65% are especially hazardous as they do not contain enough water to remove the heat of decomposition by evaporation. Avoid breathing fumes from fire exposed material.

6 ACCIDENTAL RELEASE MEASURES

In Case of Spill or Leak

Stop the leak, if possible. Ventilate the space involved. Flush with plenty of water. Combustible materials exposed to hydrogen peroxide should be rinsed immediately with large amounts of water to ensure that all the hydrogen peroxide is removed. Residual hydrogen peroxide which is allowed to dry on organic materials such as paper, fabrics, cotton, leather, wood, or other combustibles can cause the material to ignite and result in a fire. Consult a regulatory specialist to determine appropriate state or local reporting requirements, for assistance in waste characterization and/or hazardous waste disposal and other requirements listed in pertinent environmental permits.

7 HANDLING AND STORAGE

Handling

Do not get in eyes, on skin or on clothing. Do not breathe mist. Do not taste or swallow. Wash thoroughly after handling. Use only with adequate ventilation. Avoid contamination. Keep container closed.

Storage

Store separate from acids, alkalies, reducing agents, combustibles.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls

Investigate engineering techniques to reduce exposures below airborne exposure limits. Provide ventilation if necessary to control exposure levels below airborne exposure limits (see below). If practical, use local mechanical exhaust ventilation at sources of air contamination such as open process equipment. Consult ACGIH ventilation manual or NFPA Standard 91 for design of exhaust systems.

Eye / Face Protection

Where there is potential for eye contact, wear a face shield, chemical goggles, and have eye flushing equipment immediately available.

Skin Protection

Neoprene, Polyvinyl chloride, Butyl rubber Gloves should be worn when handling this material. Wear chemical goggles, a face shield, and chemical resistant clothing such as a rubber apron when splashing may occur. Rinse immediately if skin is contaminated. Remove contaminated clothing promptly and wash before reuse. Clean protective equipment before reuse. Provide a safety shower at any location where skin contact can occur. Wash skin thoroughly after handling.

Respiratory Protection

Avoid breathing vapor or mist. When airborne exposure limits are exceeded (see below), use NIOSH approved respiratory protection equipment appropriate to the material and/or its components. Consult respirator manufacturer to determine appropriate type equipment for given application. Observe respirator use limitations specified by NIOSH or the manufacturer. For emergency and other conditions where exposure limit may be significantly exceeded, use an approved full face positive-pressure, self-contained breathing apparatus or positive-pressure airline with auxiliary self-contained air supply. Respiratory protection programs must comply with 29 CFR § 1910.134.

Other Protective Equipment

Rubber boots with neoprene or pvc soles. Do NOT wear leather boots. Note: As the water content of hydrogen peroxide evaporates, cotton, rayon, and wool fibers are particularly subject to spontaneous combustion. Where there is significant risk of sudden splash or spray, it is advised that an apron or rubber suit be worn. Any contaminated clothing, including gloves, shoes, aprons, coveralls, etc., should be removed immediately and thoroughly flushed with water to eliminate any traces of hydrogen peroxide before cleaning and reuse.

Airborne Exposure Guidelines for Ingredients

Exposure Limit		Value
Hydrogen peroxide		
ACGIH TWA	-	1 ppm 1.4 mg/m3
OSHA TWA PEL	-	1 ppm 1.4 mg/m3

-Only those components with exposure limits are printed in this section.
-Skin contact limits designated with a "Y" above have skin contact effect. Air sampling alone is insufficient to accurately quantitate exposure. Measures to prevent significant cutaneous absorption may be required.
-ACGIH Sensitizer designator with a value of "Y" above means that exposure to this material may cause allergic reactions.
-WEEL-AIHA Sensitizer designator with a value of "Y" above means that exposure to this material may cause allergic skin reactions.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Odor	Water white liquid with slightly sharp odor.
pH	NE
Specific Gravity	1.13 @ 20 C
Vapor Pressure	24 @ 20 C
Vapor Density	1.0
Melting Point	NE
Freezing Point	-33 C (-27 F)
Boiling Point	108 C (226 F)
Solubility In Water	Complete
Percent Volatile	100%
Molecular Weight	34.01

10 STABILITY AND REACTIVITY

Stability

This material is chemically stable under normal and anticipated storage and handling conditions.

Incompatibility

Material decomposes with the potential to produce an rupture of unvented closed containers. Contact with metals, metal ions, organics, wood, dust, shavings, dry vegetables may cause decomposition.

Hazardous Decomposition Products

This material decomposes if contaminated, causing fire and possible explosions. Oxygen can be liberated at temperatures above ambient.

11 TOXICOLOGICAL INFORMATION

Toxicological Information

Data on this material and/or its components are summarized below. Hydrogen Peroxide
Single exposure (acute) studies indicate that this material is moderately toxic if swallowed (rat LD50 805 mg/kg; 70% solution), practically non-toxic if absorbed through skin (rabbit LD50 >6,500 mg/kg; 70% solution), slightly toxic if inhaled (no mortality in rats at 170 mg/m3 for 4 hours), and corrosive to rabbit eyes and skin. No skin allergy was observed in guinea pigs following repeated exposure. Solutions are commonly used for disinfecting wounds, bleaching hair or as a mouth wash and generally do not show adverse skin reactions. Accidental ingestion by children has resulted in death from lung edema, stomach erosions and gas distention and burns to the throat and esophagus. Eye and throat irritation and bleaching of hair have been reported by workers

11 TOXICOLOGICAL INFORMATION

exposed to this material in the atmosphere.

Several studies have been conducted by administering material in the drinking water of mice and rats. The primary findings were irritation of the gastric mucous. Repeated inhalation exposure of rats and mice caused nasal irritation without notable adverse effects on the lining of the upper respiratory system. Repeated inhalation exposure of dogs resulted in upper respiratory tract irritation and emphysematous changes in the lungs. Generally, long-term oral dosing caused no adverse effects other than erosion of the stomach lining from direct application of the test material. Several studies have shown an increase in gastrointestinal tract tumors in mice and rats following long-term exposure in the drinking water. Concentrations less than 1% do not promote gastrointestinal tumors. The U.S. Federal Drug Administration has concluded that there is insufficient evidence of carcinogenicity and the International Agency for Research on Cancer (IARC) has concluded that this chemical is not classifiable as to its carcinogenicity to humans (Group 3). Genetic changes were observed in tests using bacteria and animal cells, but not in animals.

12 ECOLOGICAL INFORMATION

Ecotoxicological Information

Data on this material and/or its components are summarized below.
Hydrogen Peroxide
This material is highly toxic to marine algae (LC50 0.85 mg/l), moderately toxic to Daphnia magna (EC50 7.7 mg/l) and Daphnia pulex (LC50 2.4 mg/l). It is slightly toxic to coho salmon (LC50 10 mg/l), channel catfish (LC50 37.4 mg/l), golden orfe (LC50 35 mg/l), fathead minnow (LC50 16.4 mg/l), snail (LC50 17.7 mg/l) and bacteria (EC50 30 mg/l).

Chemical Fate Information

No data are available.

13 DISPOSAL CONSIDERATIONS

Waste Disposal

Consult with environmental engineer or professional to determine if neutralization is appropriate and for handling procedures for residual materials. Note: Chemical additions to, processing of, or otherwise altering this material may make this waste management information incomplete, inaccurate, or otherwise inappropriate. Furthermore, state and local waste disposal requirements may be more restrictive or otherwise different from federal laws and regulations.

14 TRANSPORT INFORMATION

DOT Name	Hydrogen Peroxide, Aqueous Solution, with not less than 20% but not more than 40% Hydrogen Peroxide
DOT Technical Name	
DOT Hazard Class	5.1
UN Number	UN 2014
DOT Packing Group	PG II
RQ	
DOT Special Information	Subsidiary (8) Non-Bulk packages must have Class 5.1 and Class 8 labels. Bulk packages require Class 5.1 Oxidizer placards.

15 REGULATORY INFORMATION

Hazard Categories Under Criteria of SARA Title III Rules (40 CFR Part 370)

Immediate (Acute) Health	Y	Fire	N
Delayed (Chronic) Health	N	Reactive	Y
		Sudden Release of Pressure	N

The components of this product are all on the TSCA inventory list.

Ingredient Related Regulatory Information:

SARA Reportable Quantities	CERCLA RQ	SARA TPQ
Hydrogen peroxide	NE	1000 LBS
Water	NE	

SARA Title III, Section 302

This product does contain chemical(s), as indicated below, currently on the Extremly Hazardous Substance List, Section 302, SARA Title III. See Section 2 for further details regarding concentrations and registry numbers.

Hydrogen peroxide

Massachusetts Right to Know

This product does contain the following chemicals(s), as indicated below, currently on the Massachusetts Right to Know Substance List.

Hydrogen peroxide

New Jersey Right to Know

This product does contain the following chemical(s), as indicated below, currently on the New Jersey Right-to-Know Substances List.

Hydrogen peroxide

Pennsylvania Environmental Hazard

This product does contain the following chemical(s), as indicated below, currently on the Pennsylvania Environmental Hazard List.

Hydrogen peroxide

Pennsylvania Right to Know

This product does contain the following chemical(s), as indicated below, currently on the Pennsylvania Hazardous Substance List.

Hydrogen peroxide

16 OTHER INFORMATION

Revision Information

Revision Date	05 FEB 2002	Revision Number 13
Supercedes Revision Dated	29-NOV-2001	

Revision Summary

removed product use

Key

NE= Not Established NA= Not Applicable (R) = Registered Trademark

Miscellaneous

This MSDS covers the following grades of H2O2:
Albone; Alb; Alb AG; Alb CG; Tys MS; MS; FG; Perone ASG; Perone EG; Pure; Valsterane AL-4

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APPENDIX B

Laboratory Analytical Reports

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

September 28, 2007

Terry Montoya
Farallon Consulting LLC
975 5th Ave NW Ste 100
Issaquah, WA/USA 98027

RE: Port Orchard Bulk Plant and Cardlock

Enclosed are the results of analyses for samples received by the laboratory on 09/14/07 13:30. The following list is a summary of the Work Orders contained in this report, generated on 09/28/07 15:26.

If you have any questions concerning this report, please feel free to contact me.

Work Order	Project	ProjectNumber
BQI0342	Port Orchard Bulk Plant and C	874-001

TestAmerica - Seattle, WA

Kate Haney, Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Farallon Consulting LLC	Project Name:	**Port Orchard Bulk Plant and Cardlock**	
975 5th Ave NW Ste 100	Project Number:	874-001	Report Created:
Issaquah, WA/USA 98027	Project Manager:	Terry Montoya	09/28/07 15:26

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW16-091407	BQI0342-01	Water	09/14/07 09:25	09/14/07 13:30

TestAmerica - Seattle, WA

Kate Haney, Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Farallon Consulting LLC	Project Name:	**Port Orchard Bulk Plant and Cardlock**	
975 5th Ave NW Ste 100	Project Number:	874-001	Report Created:
Issaquah, WA/USA 98027	Project Manager:	Terry Montoya	09/28/07 15:26

Gasoline Hydrocarbons (Benzene to Naphthalene) and BTEX by NWTPH-G and EPA 8021B

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQI0342-01 (MW16-091407)		**Water**				**Sampled: 09/14/07 09:25**				
Gasoline Range Hydrocarbons	NWTPH-Gx/802 1B	**133**	-----	50.0	ug/l	1x	7I21041	09/21/07 10:46	09/21/07 23:44	
Surrogate(s): 4-BFB (FID)			*85.2%*		*58 - 144 %*	"			"	
BQI0342-01RE1 (MW16-091407)		**Water**				**Sampled: 09/14/07 09:25**				
Benzene	NWTPH-Gx/802 1B	**57.1**	-----	0.500	ug/l	1x	7I24029	09/24/07 11:05	09/26/07 03:05	
Toluene	"	ND	-----	0.500	"	"	"	"	"	
Ethylbenzene	"	ND	-----	0.500	"	"	"	"	"	
Xylenes (total)	"	ND	-----	1.00	"	"	"	"	"	
Surrogate(s): 4-BFB (PID)			*99.7%*		*68 - 140 %*	"			"	

TestAmerica - Seattle, WA

Kate Haney, Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Farallon Consulting LLC	Project Name:	**Port Orchard Bulk Plant and Cardlock**	
975 5th Ave NW Ste 100	Project Number:	874-001	Report Created:
Issaquah, WA/USA 98027	Project Manager:	Terry Montoya	09/28/07 15:26

Gasoline Hydrocarbons (Benzene to Naphthalene) and BTEX by NWTPH-G and EPA 8021B - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 7I21041 **Water Preparation Method: EPA 5030B (P/T)**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7I21041-BLK1)								**Extracted: 09/21/07 10:46**						
Gasoline Range Hydrocarbons	NWTPH-Gx/ 8021B	ND	---	50.0	ug/l	1x	--	--	--	--	--	--	09/21/07 13:47	
Surrogate(s): 4-BFB (FID)		*Recovery: 84.4%*			*Limits: 58-144%*	"							*09/21/07 13:47*	
LCS (7I21041-BS1)								**Extracted: 09/21/07 10:46**						
Gasoline Range Hydrocarbons	NWTPH-Gx/ 8021B	980	---	50.0	ug/l	1x	--	1000	98.0%	(80-120)	--	--	09/21/07 14:20	
Surrogate(s): 4-BFB (FID)		*Recovery: 92.3%*			*Limits: 58-144%*	"							*09/21/07 14:20*	
Duplicate (7I21041-DUP1)							**QC Source: BQI0266-01**	**Extracted: 09/21/07 10:46**						
Gasoline Range Hydrocarbons	NWTPH-Gx/ 8021B	ND	---	50.0	ug/l	1x	ND	--	--	--	NR	(25)	09/21/07 15:59	
Surrogate(s): 4-BFB (FID)		*Recovery: 84.7%*			*Limits: 58-144%*	"							*09/21/07 15:59*	
Duplicate (7I21041-DUP2)							**QC Source: BQI0195-02**	**Extracted: 09/21/07 10:46**						
Gasoline Range Hydrocarbons	NWTPH-Gx/ 8021B	80.2	---	50.0	ug/l	1x	75.0	--	--	--	6.64%	(25)	09/21/07 17:06	
Surrogate(s): 4-BFB (FID)		*Recovery: 86.2%*			*Limits: 58-144%*	"							*09/21/07 17:06*	
Matrix Spike (7I21041-MS1)							**QC Source: BQI0266-01**	**Extracted: 09/21/07 10:46**						
Gasoline Range Hydrocarbons	NWTPH-Gx/ 8021B	1020	---	50.0	ug/l	1x	ND	1000	102%	(75-131)	--	--	09/21/07 18:12	
Surrogate(s): 4-BFB (FID)		*Recovery: 91.5%*			*Limits: 58-144%*	"							*09/21/07 18:12*	

QC Batch: 7I24029 **Water Preparation Method: EPA 5030B (P/T)**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7I24029-BLK1)								**Extracted: 09/24/07 11:05**						
Gasoline Range Hydrocarbons	NWTPH-Gx/ 8021B	ND	---	50.0	ug/l	1x	--	--	--	--	--	--	09/25/07 12:43	
Benzene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Xylenes (total)	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Surrogate(s): 4-BFB (FID)		*Recovery: 85.7%*			*Limits: 58-144%*	"							*09/25/07 12:43*	
4-BFB (PID)		*101%*			*68-140%*	"							"	
LCS (7I24029-BS1)								**Extracted: 09/24/07 11:05**						
Gasoline Range Hydrocarbons	NWTPH-Gx/ 8021B	978	---	50.0	ug/l	1x	--	1000	97.8%	(80-120)	--	--	09/25/07 13:17	
Surrogate(s): 4-BFB (FID)		*Recovery: 93.3%*			*Limits: 58-144%*	"							*09/25/07 13:17*	

TestAmerica - Seattle, WA

Kate Haney, Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Farallon Consulting LLC	Project Name:	**Port Orchard Bulk Plant and Cardlock**	
975 5th Ave NW Ste 100	Project Number:	874-001	Report Created:
Issaquah, WA/USA 98027	Project Manager:	Terry Montoya	09/28/07 15:26

Gasoline Hydrocarbons (Benzene to Naphthalene) and BTEX by NWTPH-G and EPA 8021B - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 7I24029 **Water Preparation Method: EPA 5030B (P/T)**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS (7I24029-BS2)								**Extracted: 09/24/07 11:05**						
Benzene	NWTPH-Gx/ 8021B	31.9	---	0.500	ug/l	1x	--	30.0	106%	(80-120)	--	--	09/25/07 13:50	
Toluene	"	29.2	---	0.500	"	"	--	"	97.5%	"	--	--	"	
Ethylbenzene	"	29.6	---	0.500	"	"	--	"	98.7%	"	--	--	"	
Xylenes (total)	"	93.9	---	1.00	"	"	--	90.0	104%	"	--	--	"	
Surrogate(s): 4-BFB (PID)		*Recovery: 98.9%*			*Limits: 68-140%*	"							*09/25/07 13:50*	
Duplicate (7I24029-DUP1)					**QC Source: BQI0264-03**			**Extracted: 09/24/07 11:05**						
Gasoline Range Hydrocarbons	NWTPH-Gx/ 8021B	695	---	50.0	ug/l	1x	731	--	--	--	5.09%	(25)	09/25/07 14:57	
Benzene	"	1.72	---	0.500	"	"	1.80	--	--	--	5.00%	"	"	
Toluene	"	10.4	---	0.500	"	"	11.2	--	--	--	7.50%	"	"	
Ethylbenzene	"	18.2	---	0.500	"	"	19.7	--	--	--	7.51%	"	"	
Xylenes (total)	"	85.2	---	1.00	"	"	91.4	--	--	--	6.97%	"	"	
Surrogate(s): 4-BFB (FID)		*Recovery: 91.0%*			*Limits: 58-144%*	"							*09/25/07 14:57*	
4-BFB (PID)		*97.8%*			*68-140%*	"							"	
Duplicate (7I24029-DUP2)					**QC Source: BQI0343-02RE1**			**Extracted: 09/24/07 11:05**						
Gasoline Range Hydrocarbons	NWTPH-Gx/ 8021B	267	---	50.0	ug/l	1x	270	--	--	--	1.27%	(25)	09/25/07 16:03	
Benzene	"	21.9	---	0.500	"	"	22.4	--	--	--	2.45%	"	"	
Toluene	"	ND	---	0.500	"	"	ND	--	--	--	33.0%	"	"	R4
Ethylbenzene	"	3.83	---	0.500	"	"	3.96	--	--	--	3.23%	"	"	
Xylenes (total)	"	1.26	---	1.00	"	"	1.47	--	--	--	15.7%	"	"	
Surrogate(s): 4-BFB (FID)		*Recovery: 93.9%*			*Limits: 58-144%*	"							*09/25/07 16:03*	
4-BFB (PID)		*105%*			*68-140%*	"							"	
Matrix Spike (7I24029-MS1)					**QC Source: BQI0264-03**			**Extracted: 09/24/07 11:05**						
Gasoline Range Hydrocarbons	NWTPH-Gx/ 8021B	1690	---	50.0	ug/l	1x	731	1000	96.0%	(75-131)	--	--	09/25/07 16:36	
Surrogate(s): 4-BFB (FID)		*Recovery: 99.7%*			*Limits: 58-144%*	"							*09/25/07 16:36*	
Matrix Spike (7I24029-MS2)					**QC Source: BQI0343-02RE1**			**Extracted: 09/24/07 11:05**						
Benzene	NWTPH-Gx/ 8021B	53.3	---	0.500	ug/l	1x	22.4	30.0	103%	(46-130)	--	--	09/25/07 17:42	
Toluene	"	30.4	---	0.500	"	"	0.230	"	101%	(60-124)	--	--	"	
Ethylbenzene	"	34.7	---	0.500	"	"	3.96	"	102%	(56-141)	--	--	"	
Xylenes (total)	"	100	---	1.00	"	"	1.47	90.0	110%	(66-132)	--	--	"	
Surrogate(s): 4-BFB (FID)		*Recovery: 95.3%*			*Limits: 58-144%*	"							*09/25/07 17:42*	
4-BFB (PID)		*98.8%*			*68-140%*	"							"	

TestAmerica - Seattle, WA

Kate Haney, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Farallon Consulting LLC	Project Name:	**Port Orchard Bulk Plant and Cardlock**	
975 5th Ave NW Ste 100	Project Number:	874-001	Report Created:
Issaquah, WA/USA 98027	Project Manager:	Terry Montoya	09/28/07 15:26

Gasoline Hydrocarbons (Benzene to Naphthalene) and BTEX by NWTPH-G and EPA 8021B - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 7I24029 **Water Preparation Method: EPA 5030B (P/T)**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Matrix Spike Dup (7I24029-MSD1)					**QC Source: BQI0264-03**				**Extracted: 09/24/07 11:05**					
Gasoline Range Hydrocarbons	NWTPH-Gx/ 8021B	1690	---	50.0	ug/l	1x	731	1000	95.6%	(75-131)	0.236%	(25)	09/25/07 17:09	
Surrogate(s): 4-BFB (FID)		*Recovery: 99.2%*			*Limits: 58-144%*	*"*							*09/25/07 17:09*	

TestAmerica - Seattle, WA

Kate Haney, Project Manager

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Farallon Consulting LLC	Project Name:	**Port Orchard Bulk Plant and Cardlock**	
975 5th Ave NW Ste 100	Project Number:	874-001	Report Created:
Issaquah, WA/USA 98027	Project Manager:	Terry Montoya	09/28/07 15:26

Notes and Definitions

Report Specific Notes:

R4 - Due to the low levels of analyte in the sample, the duplicate RPD calculation does not provide useful information.

Laboratory Reporting Conventions:

DET - Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only.

ND - Analyte NOT DETECTED at or above the reporting limit (MDL or MRL, as appropriate).

NR/NA - Not Reported / Not Available

dry - Sample results reported on a Dry Weight Basis. Results and Reporting Limits have been corrected for Percent Dry Weight.

wet - Sample results and reporting limits reported on a Wet Weight Basis (as received). Results with neither 'wet' nor 'dry' are reported on a Wet Weight Basis.

RPD - RELATIVE PERCENT DIFFERENCE (RPDs calculated using Results, not Percent Recoveries).

MRL - METHOD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.

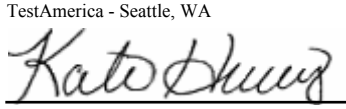
MDL* - METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B. *MDLs are listed on the report only if the data has been evaluated below the MRL. Results between the MDL and MRL are reported as Estimated Results.

Dil - Dilutions are calculated based on deviations from the standard dilution performed for an analysis, and may not represent the dilution found on the analytical raw data.

Reporting Limits - Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and percent solids, where applicable.

Electronic Signature - Electronic Signature added in accordance with TestAmerica's *Electronic Reporting and Electronic Signatures Policy.* Application of electronic signature indicates that the report has been reviewed and approved for release by the laboratory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

TestAmerica - Seattle, WA



Kate Haney, Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION

11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244 425-420-9200 FAX 420-9210
11922 E. First Ave, Spokane, WA 99206-5302 509-924-9200 FAX 924-9290
9405 SW Nimbus Ave, Beaverton, OR 97008-7145 503-906-9200 FAX 906-9210
2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 907-563-9200 FAX 563-9210

CHAIN OF CUSTODY REPORT

Work Order #: BGI0342

CLIENT: Farallon Consulting

REPORT TO: Terry Monroe
ADDRESS: 975 5th Ave NW
Issaquah, WA 98027
PHONE: 425-295-0800 FAX:

INVOICE TO: Same

P.O. NUMBER:

PROJECT NAME: Port Orchard Bulk Plant and Cardlock
PROJECT NUMBER: 874-001
SAMPLED BY: Jennifer Cyr

TURNAROUND REQUEST
in Business Days *
Organic & Inorganic Analyses: 10 STD. | 7 | 5 | 4 | 3 | 2 | 1 | <1
Petroleum Hydrocarbon Analyses: X STD. | 4 | 3 | 2 | 1 | <1
OTHER Specify:
* Turnaround Requests less than standard may incur Rush Charges.

PRESERVATIVE: HCl

REQUESTED ANALYSES: NWTPH-Gx/BTEX

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	NCA WO ID
1	MW16-091407	9.14.07 0925	W	3		01
2						
3						
4						
5						
6						
7						
8						
9						
10						

JJ
9.14.07

RELEASED BY: PRINT NAME: Jennifer Cyr FIRM: Farallon Consulting DATE: 9.14.07 TIME: 1334
RECEIVED BY: Cathy Camilleri PRINT NAME: Cathy Camilleri FIRM: TA-Sea DATE: 9/14/07 TIME: 13:36

RELEASED BY: PRINT NAME: FIRM: DATE: TIME:
RECEIVED BY: PRINT NAME: FIRM: DATE: TIME:

ADDITIONAL REMARKS:

TEMP: 8.9

COC REV 09/2004

PAGE 1 OF 1

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THE LEADER IN ENVIRONMENTAL TESTING

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

January 09, 2008

Terry Montoya
Sound Environmental Strategies
2400 Airport Way South, Suite 200
Seattle, WA/USA 98134-2020

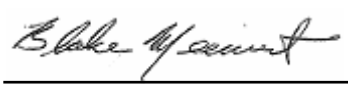
RE: Nordic Properties - Port Orchard

Enclosed are the results of analyses for samples received by the laboratory on 12/21/07 10:55. The following list is a summary of the Work Orders contained in this report, generated on 01/09/08 15:26.

If you have any questions concerning this report, please feel free to contact me.

Work Order	Project	ProjectNumber
BQL0352	Nordic Properties - Port Orcha	0644-001-01

TestAmerica Seattle



Blake T. Meinert For Kate Haney, Project Manager

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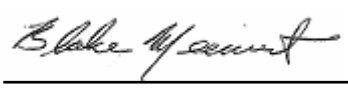
SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Nordic Properties - Port Orchard**	
2400 Airport Way South, Suite 200	Project Number:	0644-001-01	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Terry Montoya	01/09/08 15:26

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW16-20071220	BQL0352-01	Water	12/20/07 13:13	12/21/07 10:55

TestAmerica Seattle



Blake T. Meinert For Kate Haney, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Nordic Properties - Port Orchard**	
2400 Airport Way South, Suite 200	Project Number:	0644-001-01	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Terry Montoya	01/09/08 15:26

Gasoline Hydrocarbons (Benzene to Naphthalene) and BTEX by NWTPH-G and EPA 8021B

TestAmerica Seattle

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQL0352-01 (MW16-20071220)		**Water**			**Sampled: 12/20/07 13:13**					**P**
Gasoline Range Hydrocarbons	NWTPH-Gx/802 1B	ND	-----	50.0	ug/l	1x	7L31026	12/31/07 12:10	12/31/07 16:57	
Surrogate(s): 4-BFB (FID)			*86.0%*		*58 - 144 %*	"			"	
4-BFB (PID)			*107%*		*68 - 140 %*	"			"	
BQL0352-01RE1 (MW16-20071220)		**Water**			**Sampled: 12/20/07 13:13**					
Benzene	NWTPH-Gx/802 1B	**59.3**	-----	0.500	ug/l	1x	8A02024	01/02/08 12:03	01/02/08 15:16	
Toluene	"	ND	-----	0.500	"	"	"	"	"	
Ethylbenzene	"	ND	-----	0.500	"	"	"	"	"	
Xylenes (total)	"	ND	-----	1.00	"	"	"	"	"	
Surrogate(s): 4-BFB (FID)			*76.0%*		*58 - 144 %*	"			"	
4-BFB (PID)			*98.6%*		*68 - 140 %*	"			"	

TestAmerica Seattle

Blake T. Meinert For Kate Haney, Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Nordic Properties - Port Orchard**	
2400 Airport Way South, Suite 200	Project Number:	0644-001-01	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Terry Montoya	01/09/08 15:26

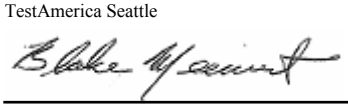
Gasoline Hydrocarbons (Benzene to Naphthalene) and BTEX by NWTPH-G and EPA 8021B - Laboratory Quality Control Results

TestAmerica Seattle

QC Batch: 7L31026 **Water Preparation Method: EPA 5030B (P/T)**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7L31026-BLK1)									**Extracted: 12/31/07 12:10**					
Gasoline Range Hydrocarbons	NWTPH-Gx/ 8021B	ND	---	50.0	ug/l	1x	--	--	--	--	--	--	12/31/07 15:12	
Benzene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Xylenes (total)	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Surrogate(s): 4-BFB (FID)		*Recovery: 86.9%*			*Limits: 58-144%*	"							*12/31/07 15:12*	
4-BFB (PID)		*106%*			*68-140%*	"							"	
LCS (7L31026-BS1)									**Extracted: 12/31/07 12:10**					
Gasoline Range Hydrocarbons	NWTPH-Gx/ 8021B	535	---	50.0	ug/l	1x	--	600	89.2%	(80-120)	--	--	12/31/07 15:57	
Surrogate(s): 4-BFB (FID)		*Recovery: 91.2%*			*Limits: 58-144%*	"							*12/31/07 15:57*	
LCS (7L31026-BS2)									**Extracted: 12/31/07 12:10**					
Benzene	NWTPH-Gx/ 8021B	26.2	---	0.500	ug/l	1x	--	30.0	87.2%	(80-120)	--	--	12/31/07 16:27	
Ethylbenzene	"	25.0	---	0.500	"	"	--	"	83.3%	"	--	--	"	
Xylenes (total)	"	75.8	---	1.00	"	"	--	90.0	84.2%	"	--	--	"	
Surrogate(s): 4-BFB (PID)		*Recovery: 107%*			*Limits: 68-140%*	"							*12/31/07 16:27*	
Duplicate (7L31026-DUP1)					**QC Source: BQL0352-01**				**Extracted: 12/31/07 12:10**					
Gasoline Range Hydrocarbons	NWTPH-Gx/ 8021B	ND	---	50.0	ug/l	1x	ND	--	--	--	4.58%	(25)	12/31/07 17:27	
Benzene	"	ND	---	0.500	"	"	ND	--	--	--	NR	"	"	
Ethylbenzene	"	ND	---	0.500	"	"	ND	--	--	--	NR	"	"	
Xylenes (total)	"	ND	---	1.00	"	"	ND	--	--	--	NR	"	"	
Surrogate(s): 4-BFB (FID)		*Recovery: 89.8%*			*Limits: 58-144%*	"							*12/31/07 17:27*	
4-BFB (PID)		*108%*			*68-140%*	"							"	
Matrix Spike (7L31026-MS1)					**QC Source: BQL0352-01**				**Extracted: 12/31/07 12:10**					
Gasoline Range Hydrocarbons	NWTPH-Gx/ 8021B	546	---	50.0	ug/l	1x	29.6	600	86.1%	(75-131)	--	--	12/31/07 19:28	
Surrogate(s): 4-BFB (FID)		*Recovery: 97.5%*			*Limits: 58-144%*	"							*12/31/07 19:28*	
Matrix Spike (7L31026-MS2)					**QC Source: BQL0353-01**				**Extracted: 12/31/07 12:10**					
Benzene	NWTPH-Gx/ 8021B	27.1	---	0.500	ug/l	1x	0.468	30.0	88.6%	(46-130)	--	--	12/31/07 19:58	
Ethylbenzene	"	25.2	---	0.500	"	"	0.317	"	83.1%	(56-141)	--	--	"	
Xylenes (total)	"	91.0	---	1.00	"	"	15.7	90.0	83.7%	(66-132)	--	--	"	
Surrogate(s): 4-BFB (PID)		*Recovery: 109%*			*Limits: 68-140%*	"							*12/31/07 19:58*	

TestAmerica Seattle



Blake T. Meinert For Kate Haney, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
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Sound Environmental Strategies	Project Name:	**Nordic Properties - Port Orchard**	
2400 Airport Way South, Suite 200	Project Number:	0644-001-01	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Terry Montoya	01/09/08 15:26

Gasoline Hydrocarbons (Benzene to Naphthalene) and BTEX by NWTPH-G and EPA 8021B - Laboratory Quality Control Results

TestAmerica Seattle

QC Batch: 8A02024 **Water Preparation Method: EPA 5030B (P/T)**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8A02024-BLK1)								**Extracted: 01/02/08 12:03**						
Benzene	NWTPH-Gx/ 8021B	ND	---	0.500	ug/l	1x	--	--	--	--	--	--	01/02/08 13:41	
Toluene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Xylenes (total)	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Surrogate(s): 4-BFB (PID)		*Recovery: 102%*			*Limits: 68-140%*	"							*01/02/08 13:41*	
LCS (8A02024-BS1)								**Extracted: 01/02/08 12:03**						
Benzene	NWTPH-Gx/ 8021B	27.7	---	0.500	ug/l	1x	--	30.0	92.4%	(80-120)	--	--	01/02/08 14:14	
Toluene	"	29.5	---	0.500	"	"	--	"	98.2%	"	--	--	"	
Ethylbenzene	"	30.8	---	0.500	"	"	--	"	103%	"	--	--	"	
Xylenes (total)	"	92.1	---	1.00	"	"	--	90.0	102%	"	--	--	"	
Surrogate(s): 4-BFB (PID)		*Recovery: 103%*			*Limits: 68-140%*	"							*01/02/08 14:14*	
Duplicate (8A02024-DUP1)					**QC Source: BQL0352-01RE1**			**Extracted: 01/02/08 12:03**						
Benzene	NWTPH-Gx/ 8021B	54.2	---	0.500	ug/l	1x	59.3	--	--	--	9.05%	(25)	01/02/08 15:48	
Toluene	"	ND	---	0.500	"	"	ND	--	--	--	21.0%	"	"	
Ethylbenzene	"	ND	---	0.500	"	"	ND	--	--	--	NR	"	"	
Xylenes (total)	"	ND	---	1.00	"	"	ND	--	--	--	39.2%	"	"	R4
Surrogate(s): 4-BFB (PID)		*Recovery: 98.8%*			*Limits: 68-140%*	"							*01/02/08 15:48*	
Duplicate (8A02024-DUP2)					**QC Source: BQL0353-01RE1**			**Extracted: 01/02/08 12:03**						
Benzene	NWTPH-Gx/ 8021B	ND	---	0.500	ug/l	1x	0.510	--	--	--	4.82%	(25)	01/02/08 16:54	
Toluene	"	ND	---	0.500	"	"	ND	--	--	--	4.72%	"	"	
Ethylbenzene	"	ND	---	0.500	"	"	ND	--	--	--	2.19%	"	"	
Xylenes (total)	"	18.9	---	1.00	"	"	19.0	--	--	--	0.558%	"	"	
Surrogate(s): 4-BFB (PID)		*Recovery: 103%*			*Limits: 68-140%*	"							*01/02/08 16:54*	
Matrix Spike (8A02024-MS1)					**QC Source: BQL0352-01RE1**			**Extracted: 01/02/08 12:03**						
Benzene	NWTPH-Gx/ 8021B	83.5	---	0.500	ug/l	1x	59.3	30.0	80.7%	(46-130)	--	--	01/02/08 19:04	
Toluene	"	30.2	---	0.500	"	"	0.463	"	99.0%	(60-124)	--	--	"	
Ethylbenzene	"	31.0	---	0.500	"	"	0.174	"	103%	(56-141)	--	--	"	
Xylenes (total)	"	92.9	---	1.00	"	"	0.809	90.0	102%	(66-132)	--	--	"	
Surrogate(s): 4-BFB (PID)		*Recovery: 99.7%*			*Limits: 68-140%*	"							*01/02/08 19:04*	

TestAmerica Seattle

Blake T. Meinert For Kate Haney, Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Nordic Properties - Port Orchard**	
2400 Airport Way South, Suite 200	Project Number:	0644-001-01	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Terry Montoya	01/09/08 15:26

Notes and Definitions

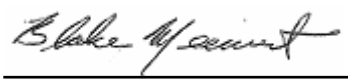
Report Specific Notes:

P	-	The sample, as received, was not preserved in accordance to the referenced analytical method.
R4	-	Due to the low levels of analyte in the sample, the duplicate RPD calculation does not provide useful information.

Laboratory Reporting Conventions:

DET	-	Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only.
ND	-	Analyte NOT DETECTED at or above the reporting limit (MDL or MRL, as appropriate).
NR/NA	-	Not Reported / Not Available
dry	-	Sample results reported on a Dry Weight Basis. Results and Reporting Limits have been corrected for Percent Dry Weight.
wet	-	Sample results and reporting limits reported on a Wet Weight Basis (as received). Results with neither 'wet' nor 'dry' are reported on a Wet Weight Basis.
RPD	-	RELATIVE PERCENT DIFFERENCE (RPDs calculated using Results, not Percent Recoveries).
MRL	-	METHOD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.
MDL*	-	METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B. *MDLs are listed on the report only if the data has been evaluated below the MRL. Results between the MDL and MRL are reported as Estimated Results.
Dil	-	Dilutions are calculated based on deviations from the standard dilution performed for an analysis, and may not represent the dilution found on the analytical raw data.
Reporting Limits	-	Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and percent solids, where applicable.
Electronic Signature	-	Electronic Signature added in accordance with TestAmerica's *Electronic Reporting and Electronic Signatures Policy.* Application of electronic signature indicates that the report has been reviewed and approved for release by the laboratory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

TestAmerica Seattle



Blake T. Meinert For Kate Haney, Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION

11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244 425-420-9200 FAX 420-9210
11922 E. First Ave, Spokane, WA 99206-5302 509-924-9200 FAX 924-9290
9405 SW Nimbus Ave, Beaverton, OR 97008-7145 503-906-9200 FAX 906-9210
2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 907-563-9200 FAX 563-9210

CHAIN OF CUSTODY REPORT

Work Order #: BQL0352

CLIENT: Nordic Properties

REPORT TO: Terry Montoya, Sound Env. Strategies
ADDRESS: 2400 Airport Way S
Seattle WA
PHONE: 2063061900 FAX: 2063061907

INVOICE TO: Nordic Properties

P.O. NUMBER:

PROJECT NAME: Nordic Properties Port Orchard
PROJECT NUMBER: 0644-001-01
SAMPLED BY: Cassandra Dijstelbergen

TURNAROUND REQUEST
in Business Days *
Organic & Inorganic Analyses: 10 STD | 7 | 5 | 4 | 3 | 2 | 1 | <1
Petroleum Hydrocarbon Analyses: 5 STD | 4 | 3 | 2 | 1 | <1
OTHER Specify:
* *Turnaround Requests less than standard* may incur Rush Charges.

CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	PRESERVATIVE		REQUESTED ANALYSES		MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	TA WO ID
		HCl	HCl	DWTPH-GX	BTEX by 8021				
1 MW16-20071220	12/20/07 1313			X	X	W	3	MW16	01
2									
3									
4									
5									
6									
7									
8									
9									
10									

RELEASED BY: [signature] DATE: 12/21/07
PRINT NAME: Cassandra Dijstelbergen FIRM: SES TIME: 1055

RECEIVED BY: [signature] DATE: 12/21/07
PRINT NAME: [signature] FIRM: TAS TIME: 1055

RELEASED BY: DATE:
PRINT NAME: FIRM: TIME:

RECEIVED BY: DATE:
PRINT NAME: FIRM: TIME:

ADDITIONAL REMARKS:

TEMP: 5.0

COC REV 05/2006

PAGE 1 OF 1

Note: By relinquishing samples to TestAmerica, client agrees to pay for the services requested on this chain of custody form and for any additional analyses performed on this project.
Payment for services is due within 30 days from the date of invoice unless otherwise contracted. Sample(s) will be disposed of after 30 days unless otherwise contracted.

TestAmerica
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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

March 26, 2008

Terry Montoya
Sound Environmental Strategies
2400 Airport Way South, Suite 200
Seattle, WA/USA 98134-2020

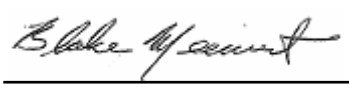
RE: Nordic Properties - Port Orchard

Enclosed are the results of analyses for samples received by the laboratory on 03/19/08 15:15. The following list is a summary of the Work Orders contained in this report, generated on 03/26/08 15:56.

If you have any questions concerning this report, please feel free to contact me.

Work Order	Project	ProjectNumber
BRC0310	Nordic Properties - Port Orcha	0644-001-01

TestAmerica Seattle



Blake T. Meinert, Project Manager

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BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Nordic Properties - Port Orchard**	
2400 Airport Way South, Suite 200	Project Number:	0644-001-01	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Terry Montoya	03/26/08 15:56

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW16-20080318	BRC0310-01	Water	03/18/08 10:42	03/19/08 15:15

TestAmerica Seattle

Blake T. Meinert, Project Manager

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BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

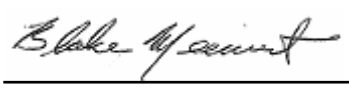
Sound Environmental Strategies	Project Name:	**Nordic Properties - Port Orchard**	
2400 Airport Way South, Suite 200	Project Number:	0644-001-01	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Terry Montoya	03/26/08 15:56

Gasoline Hydrocarbons (Benzene to Naphthalene) and BTEX by NWTPH-G and EPA 8021B

TestAmerica Seattle

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BRC0310-01 (MW16-20080318)		**Water**			**Sampled: 03/18/08 10:42**					
Gasoline Range Hydrocarbons	NWTPH-Gx/802 1B	**251**	-----	50.0	ug/l	1x	8C21015	03/21/08 09:40	03/21/08 16:56	
Benzene	"	**89.7**	-----	0.500	"	"	"	"	"	
Toluene	"	**0.633**	-----	0.500	"	"	"	"	"	
Ethylbenzene	"	ND	-----	0.500	"	"	"	"	"	
Xylenes (total)	"	ND	-----	1.00	"	"	"	"	"	
Surrogate(s): 4-BFB (FID)			*98.2%*		*58 - 144 %*	"			"	
4-BFB (PID)			*102%*		*68 - 140 %*	"			"	

TestAmerica Seattle



Blake T. Meinert, Project Manager

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BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Nordic Properties - Port Orchard**	
2400 Airport Way South, Suite 200	Project Number:	0644-001-01	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Terry Montoya	03/26/08 15:56

Gasoline Hydrocarbons (Benzene to Naphthalene) and BTEX by NWTPH-G and EPA 8021B - Laboratory Quality Control Results

TestAmerica Seattle

QC Batch: 8C21015 **Water Preparation Method: EPA 5030B (P/T)**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8C21015-BLK1)							**Extracted: 03/21/08 09:40**							
Gasoline Range Hydrocarbons	NWTPH-Gx/ 8021B	ND	---	50.0	ug/l	1x	--	--	--	--	--	--	03/21/08 14:12	
Benzene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Xylenes (total)	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Surrogate(s): 4-BFB (FID)		*Recovery: 91.1%*			*Limits: 58-144%*	"							*03/21/08 14:12*	
4-BFB (PID)		*106%*			*68-140%*	"							"	
LCS (8C21015-BS1)							**Extracted: 03/21/08 09:40**							
Gasoline Range Hydrocarbons	NWTPH-Gx/ 8021B	945	---	50.0	ug/l	1x	--	1000	94.5%	(80-120)	--	--	03/21/08 14:45	
Surrogate(s): 4-BFB (FID)		*Recovery: 103%*			*Limits: 58-144%*	"							*03/21/08 14:45*	
LCS (8C21015-BS2)							**Extracted: 03/21/08 09:40**							
Benzene	NWTPH-Gx/ 8021B	29.6	---	0.500	ug/l	1x	--	30.0	98.6%	(80-120)	--	--	03/21/08 15:17	
Toluene	"	29.5	---	0.500	"	"	--	"	98.4%	"	--	--	"	
Ethylbenzene	"	30.0	---	0.500	"	"	--	"	99.9%	"	--	--	"	
Xylenes (total)	"	89.7	---	1.00	"	"	--	90.0	99.7%	"	--	--	"	
Surrogate(s): 4-BFB (PID)		*Recovery: 101%*			*Limits: 68-140%*	"							*03/21/08 15:17*	
Duplicate (8C21015-DUP1)					**QC Source: BRC0309-01**		**Extracted: 03/21/08 09:40**							
Gasoline Range Hydrocarbons	NWTPH-Gx/ 8021B	ND	---	50.0	ug/l	1x	ND	--	--	--	5.35%	(25)	03/21/08 16:23	
Benzene	"	ND	---	0.500	"	"	ND	--	--	--	5.54%	"	"	
Toluene	"	ND	---	0.500	"	"	ND	--	--	--	15.2%	"	"	
Ethylbenzene	"	ND	---	0.500	"	"	ND	--	--	--	NR	"	"	
Xylenes (total)	"	ND	---	1.00	"	"	ND	--	--	--	NR	"	"	
Surrogate(s): 4-BFB (FID)		*Recovery: 94.3%*			*Limits: 58-144%*	"							*03/21/08 16:23*	
4-BFB (PID)		*107%*			*68-140%*	"							"	
Duplicate (8C21015-DUP2)					**QC Source: BRC0310-01**		**Extracted: 03/21/08 09:40**							
Gasoline Range Hydrocarbons	NWTPH-Gx/ 8021B	248	---	50.0	ug/l	1x	251	--	--	--	1.48%	(25)	03/21/08 17:29	
Benzene	"	87.4	---	0.500	"	"	89.7	--	--	--	2.67%	"	"	
Toluene	"	0.636	---	0.500	"	"	0.633	--	--	--	0.473%	"	"	
Ethylbenzene	"	ND	---	0.500	"	"	ND	--	--	--		"	"	
Xylenes (total)	"	ND	---	1.00	"	"	ND	--	--	--	3.30%	"	"	
Surrogate(s): 4-BFB (FID)		*Recovery: 97.2%*			*Limits: 58-144%*	"							*03/21/08 17:29*	
4-BFB (PID)		*100%*			*68-140%*	"							"	

TestAmerica Seattle

Blake T. Meinert, Project Manager

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BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Nordic Properties - Port Orchard**	
2400 Airport Way South, Suite 200	Project Number:	0644-001-01	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Terry Montoya	03/26/08 15:56

Gasoline Hydrocarbons (Benzene to Naphthalene) and BTEX by NWTPH-G and EPA 8021B - Laboratory Quality Control Results

TestAmerica Seattle

QC Batch: 8C21015 **Water Preparation Method: EPA 5030B (P/T)**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Matrix Spike (8C21015-MS1)				**QC Source: BRC0309-01**				**Extracted: 03/21/08 09:40**						
Gasoline Range Hydrocarbons	NWTPH-Gx/ 8021B	1020	---	50.0	ug/l	1x	46.6	1000	97.1%	(75-131)	--	--	03/21/08 18:02	
Surrogate(s): 4-BFB (FID)		*Recovery: 101%*		*Limits: 58-144%*	*"*								*03/21/08 18:02*	
Matrix Spike (8C21015-MS2)				**QC Source: BRC0310-01**				**Extracted: 03/21/08 09:40**						
Benzene	NWTPH-Gx/ 8021B	107	---	0.500	ug/l	1x	89.7	30.0	59.2%	(46-130)	--	--	03/21/08 18:35	E
Toluene	"	32.2	---	0.500	"	"	0.633	"	105%	(60-124)	--	--	"	
Ethylbenzene	"	32.7	---	0.500	"	"	ND	"	109%	(56-141)	--	--	"	
Xylenes (total)	"	97.3	---	1.00	"	"	0.646	90.0	107%	(66-132)	--	--	"	
Surrogate(s): 4-BFB (PID)		*Recovery: 99.8%*		*Limits: 68-140%*	*"*								*03/21/08 18:35*	

TestAmerica Seattle

Blake T. Meinert, Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Nordic Properties - Port Orchard**	
2400 Airport Way South, Suite 200	Project Number:	0644-001-01	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Terry Montoya	03/26/08 15:56

Notes and Definitions

Report Specific Notes:

E - Concentration exceeds the calibration range and therefore result is semi-quantitative.

Laboratory Reporting Conventions:

DET - Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only.

ND - Analyte NOT DETECTED at or above the reporting limit (MDL or MRL, as appropriate).

NR/NA - Not Reported / Not Available

dry - Sample results reported on a Dry Weight Basis. Results and Reporting Limits have been corrected for Percent Dry Weight.

wet - Sample results and reporting limits reported on a Wet Weight Basis (as received). Results with neither 'wet' nor 'dry' are reported on a Wet Weight Basis.

RPD - RELATIVE PERCENT DIFFERENCE (RPDs calculated using Results, not Percent Recoveries).

MRL - METHOD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.

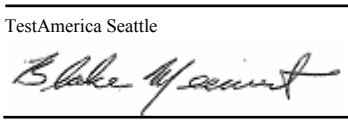
MDL* - METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B. *MDLs are listed on the report only if the data has been evaluated below the MRL. Results between the MDL and MRL are reported as Estimated Results.

Dil - Dilutions are calculated based on deviations from the standard dilution performed for an analysis, and may not represent the dilution found on the analytical raw data.

Reporting Limits - Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and percent solids, where applicable.

Electronic Signature - Electronic Signature added in accordance with TestAmerica's *Electronic Reporting and Electronic Signatures Policy.* Application of electronic signature indicates that the report has been reviewed and approved for release by the laboratory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

TestAmerica Seattle



Blake T. Meinert, Project Manager

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9405 SW Nimbus Ave,Beaverton, OR 97008-7145 503-906-9200 FAX 906-9210
2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 907-563-9200 FAX 563-9210

CHAIN OF CUSTODY REPORT

Work Order #: BRC0310

CLIENT: Nordic Properties

REPORT TO: Sound Env Strategies, Terry Montoya
ADDRESS: 2400 Airport Way S
Seattle WA
PHONE: 206 306 1900 FAX: 206 306 1907

INVOICE TO: Nordic

P.O. NUMBER:

PROJECT NAME: Nordic Properties Port Orchard
PROJECT NUMBER: -
SAMPLED BY: Cassandra Dijstelbergen

TURNAROUND REQUEST in Business Days *

Organic & Inorganic Analyses: 10 STD | 7 | 5 | 4 | 3 | 2 | 1 | <1

Petroleum Hydrocarbon Analyses: 5 STD | 4 | 3 | 2 | 1 | <1

OTHER Specify:

* Turnaround Requests less than standard may incur Rush Charges.

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	PRESERVATIVE	REQUESTED ANALYSES: NWTPH-Gx	REQUESTED ANALYSES: BTEX 8021B	MATRIX (W, S, O)	# OF CONT.	LOCATION/ COMMENTS	TA WO ID
1	MW16-20080318	3/18/08 1042		X	X	W	3	MW16	-01
2									
3									
4									
5									
6									
7									
8									
9									
10									

RELEASED BY: [signature] DATE: 3/19/08
PRINT NAME: Cassandra Dijstelbergen FIRM: SES TIME: 1515

RECEIVED BY: [signature] DATE: 3/19/08
PRINT NAME: [signature] FIRM: TAS TIME: 1515

RELEASED BY: DATE:
PRINT NAME: FIRM: TIME:

RECEIVED BY: DATE:
PRINT NAME: FIRM: TIME:

ADDITIONAL REMARKS:

TEMP: 9.2 w/o

PAGE 1 OF 1

TAL-1000(0108)

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

June 30, 2008

Terry Montoya
Sound Environmental Strategies
2400 Airport Way South, Suite 200
Seattle, WA/USA 98134-2020

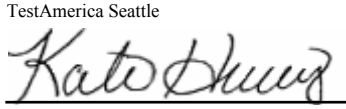
RE: Nordic Properties - Port Orchard

Enclosed are the results of analyses for samples received by the laboratory on 06/25/08 11:57. The following list is a summary of the Work Orders contained in this report, generated on 06/30/08 17:12.

If you have any questions concerning this report, please feel free to contact me.

Work Order	Project	ProjectNumber
BRF0355	Nordic Properties - Port Orcha	0644-001-01

TestAmerica Seattle



Kate Haney For Curtis D. Armstrong, Project Manager

TestAmerica
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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Nordic Properties - Port Orchard**	
2400 Airport Way South, Suite 200	Project Number:	0644-001-01	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Terry Montoya	06/30/08 17:12

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW16-20080623	BRF0355-01	Water	06/23/08 14:53	06/25/08 11:57

TestAmerica Seattle

Kate Haney For Curtis D. Armstrong, Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Nordic Properties - Port Orchard**	
2400 Airport Way South, Suite 200	Project Number:	0644-001-01	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Terry Montoya	06/30/08 17:12

Gasoline Hydrocarbons (Benzene to Naphthalene) and BTEX by NWTPH-G and EPA 8021B

TestAmerica Seattle

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BRF0355-01 (MW16-20080623)		**Water**			**Sampled: 06/23/08 14:53**					
Gasoline Range Hydrocarbons	NWTPH-Gx/802 1B	**124**	-----	50.0	ug/l	1x	8F28003	06/28/08 10:59	06/28/08 22:48	**QP**
Benzene	"	**46.3**	-----	0.500	"	"	"	"	"	
Toluene	"	ND	-----	0.500	"	"	"	"	"	
Ethylbenzene	"	ND	-----	0.500	"	"	"	"	"	
Xylenes (total)	"	ND	-----	1.00	"	"	"	"	"	
Surrogate(s): 4-BFB (FID)			*89.2%*		*58 - 144 %*	"			"	
4-BFB (PID)			*97.3%*		*68 - 140 %*	"			"	

TestAmerica Seattle

Kate Haney For Curtis D. Armstrong, Project Manager

TestAmerica
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BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Nordic Properties - Port Orchard**	
2400 Airport Way South, Suite 200	Project Number:	0644-001-01	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Terry Montoya	06/30/08 17:12

Gasoline Hydrocarbons (Benzene to Naphthalene) and BTEX by NWTPH-G and EPA 8021B - Laboratory Quality Control Results

TestAmerica Seattle

QC Batch: 8F28003 **Water Preparation Method: EPA 5030B (P/T)**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8F28003-BLK1)								**Extracted: 06/28/08 10:59**						
Gasoline Range Hydrocarbons	NWTPH-Gx/ 8021B	ND	---	50.0	ug/l	1x	--	--	--	--	--	--	06/28/08 14:18	
Benzene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Xylenes (total)	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Surrogate(s): 4-BFB (FID)		*Recovery: 91.2%*			*Limits: 58-144%*	"							*06/28/08 14:18*	
4-BFB (PID)		*99.1%*			*68-140%*	"							"	
LCS (8F28003-BS1)								**Extracted: 06/28/08 10:59**						
Gasoline Range Hydrocarbons	NWTPH-Gx/ 8021B	965	---	50.0	ug/l	1x	--	1000	96.5%	(80-120)	--	--	06/28/08 14:51	
Surrogate(s): 4-BFB (FID)		*Recovery: 99.4%*			*Limits: 58-144%*	"							*06/28/08 14:51*	
LCS (8F28003-BS2)								**Extracted: 06/28/08 10:59**						
Benzene	NWTPH-Gx/ 8021B	28.9	---	0.500	ug/l	1x	--	30.0	96.2%	(80-120)	--	--	06/28/08 15:23	
Toluene	"	29.8	---	0.500	"	"	--	"	99.3%	"	--	--	"	
Ethylbenzene	"	29.4	---	0.500	"	"	--	"	98.0%	"	--	--	"	
Xylenes (total)	"	88.7	---	1.00	"	"	--	90.0	98.6%	"	--	--	"	
Surrogate(s): 4-BFB (PID)		*Recovery: 98.8%*			*Limits: 68-140%*	"							*06/28/08 15:23*	
Duplicate (8F28003-DUP1)					**QC Source: BRF0357-01RE1**			**Extracted: 06/28/08 10:59**						
Gasoline Range Hydrocarbons	NWTPH-Gx/ 8021B	983	---	500	ug/l	10x	1000	--	--	--	2.21%	(25)	06/29/08 11:44	
Benzene	"	378	---	5.00	"	"	370	--	--	--	2.10%	"	"	
Toluene	"	ND	---	5.00	"	"	ND	--	--	--	NR	"	"	
Ethylbenzene	"	ND	---	5.00	"	"	ND	--	--	--	NR	"	"	
Xylenes (total)	"	ND	---	10.0	"	"	ND	--	--	--	NR	"	"	
Surrogate(s): 4-BFB (FID)		*Recovery: 90.0%*			*Limits: 58-144%*	*1x*							*06/29/08 11:44*	
4-BFB (PID)		*97.6%*			*68-140%*	"							"	
Duplicate (8F28003-DUP2)					**QC Source: BRF0328-03**			**Extracted: 06/28/08 10:59**						
Gasoline Range Hydrocarbons	NWTPH-Gx/ 8021B	ND	---	50.0	ug/l	1x	ND	--	--	--	NR	(25)	06/28/08 17:53	
Benzene	"	ND	---	0.500	"	"	ND	--	--	--	112%	"	"	**R4**
Toluene	"	ND	---	0.500	"	"	ND	--	--	--	NR	"	"	
Ethylbenzene	"	ND	---	0.500	"	"	ND	--	--	--	NR	"	"	
Xylenes (total)	"	ND	---	1.00	"	"	ND	--	--	--	NR	"	"	
Surrogate(s): 4-BFB (FID)		*Recovery: 89.9%*			*Limits: 58-144%*	"							*06/28/08 17:53*	
4-BFB (PID)		*99.5%*			*68-140%*	"							"	

TestAmerica Seattle

Kate Haney For Curtis D. Armstrong, Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Nordic Properties - Port Orchard**	
2400 Airport Way South, Suite 200	Project Number:	0644-001-01	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Terry Montoya	06/30/08 17:12

Gasoline Hydrocarbons (Benzene to Naphthalene) and BTEX by NWTPH-G and EPA 8021B - Laboratory Quality Control Results

TestAmerica Seattle

QC Batch: 8F28003 **Water Preparation Method: EPA 5030B (P/T)**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Matrix Spike (8F28003-MS1)				**QC Source: BRF0354-01**					**Extracted: 06/28/08 10:59**					
Gasoline Range Hydrocarbons	NWTPH-Gx/ 8021B	1340	---	50.0	ug/l	1x	265	1000	108%	(75-131)	--	--	06/28/08 18:59	
Benzene	"	49.0	---	0.500	"	"	35.6	17.7	75.8%	(46-130)	--	--	"	
Surrogate(s): 4-BFB (FID)		*Recovery: 107%*			*Limits: 58-144%*	"							*06/28/08 18:59*	
4-BFB (PID)		*96.8%*			*68-140%*	"							"	
Matrix Spike (8F28003-MS2)				**QC Source: BRF0357-01**					**Extracted: 06/28/08 10:59**					
Toluene	NWTPH-Gx/ 8021B	32.5	---	0.500	ug/l	1x	0.603	30.0	106%	(60-124)	--	--	06/29/08 02:05	
Ethylbenzene	"	32.5	---	0.500	"	"	0.136	"	108%	(56-141)	--	--	"	
Xylenes (total)	"	97.8	---	1.00	"	"	1.52	90.0	107%	(66-132)	--	--	"	
Surrogate(s): 4-BFB (PID)		*Recovery: 100%*			*Limits: 68-140%*	"							*06/29/08 02:05*	
Matrix Spike Dup (8F28003-MSD1)				**QC Source: BRF0354-01**					**Extracted: 06/28/08 10:59**					
Gasoline Range Hydrocarbons	NWTPH-Gx/ 8021B	1310	---	50.0	ug/l	1x	265	1000	105%	(75-131)	2.53%	(25)	06/28/08 19:32	
Benzene	"	48.7	---	0.500	"	"	35.6	17.7	74.0%	(46-130)	0.629%	(40)	"	
Surrogate(s): 4-BFB (FID)		*Recovery: 108%*			*Limits: 58-144%*	"							*06/28/08 19:32*	
4-BFB (PID)		*97.8%*			*68-140%*	"							"	
Matrix Spike Dup (8F28003-MSD2)				**QC Source: BRF0357-01**					**Extracted: 06/28/08 10:59**					
Toluene	NWTPH-Gx/ 8021B	32.6	---	0.500	ug/l	1x	0.603	30.0	107%	(60-124)	0.381%	(40)	06/29/08 02:38	
Ethylbenzene	"	32.6	---	0.500	"	"	0.136	"	108%	(56-141)	0.249%	"	"	
Xylenes (total)	"	98.1	---	1.00	"	"	1.52	90.0	107%	(66-132)	0.326%	"	"	
Surrogate(s): 4-BFB (PID)		*Recovery: 100%*			*Limits: 68-140%*	"							*06/29/08 02:38*	

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Kate Haney For Curtis D. Armstrong, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
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Sound Environmental Strategies	Project Name:	**Nordic Properties - Port Orchard**	
2400 Airport Way South, Suite 200	Project Number:	0644-001-01	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Terry Montoya	06/30/08 17:12

Notes and Definitions

Report Specific Notes:

QP - Hydrocarbon result partly due to individual peak(s) in quantitation range.

R4 - Due to the low levels of analyte in the sample, the duplicate RPD calculation does not provide useful information.

Laboratory Reporting Conventions:

DET - Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only.

ND - Analyte NOT DETECTED at or above the reporting limit (MDL or MRL, as appropriate).

NR/NA - Not Reported / Not Available

dry - Sample results reported on a Dry Weight Basis. Results and Reporting Limits have been corrected for Percent Dry Weight.

wet - Sample results and reporting limits reported on a Wet Weight Basis (as received). Results with neither 'wet' nor 'dry' are reported on a Wet Weight Basis.

RPD - RELATIVE PERCENT DIFFERENCE (RPDs calculated using Results, not Percent Recoveries).

MRL - METHOD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.

MDL* - METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B. *MDLs are listed on the report only if the data has been evaluated below the MRL. Results between the MDL and MRL are reported as Estimated Results.

Dil - Dilutions are calculated based on deviations from the standard dilution performed for an analysis, and may not represent the dilution found on the analytical raw data.

Reporting Limits - Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and percent solids, where applicable.

Electronic Signature - Electronic Signature added in accordance with TestAmerica's *Electronic Reporting and Electronic Signatures Policy.* Application of electronic signature indicates that the report has been reviewed and approved for release by the laboratory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

TestAmerica Seattle

Kate Haney For Curtis D. Armstrong, Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION

11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244 425-420-9200 FAX 420-9210
11922 E. First Ave, Spokane, WA 99206-5302 509-924-9200 FAX 924-9290
9405 SW Nimbus Ave, Beaverton, OR 97008-7145 503-906-9200 FAX 906-9210
2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 907-563-9200 FAX 563-9210

CHAIN OF CUSTODY REPORT

Work Order #: BRF0355

CLIENT: Nordic Properties
REPORT TO: Terry Montoya, Sound Env. Strategies
ADDRESS: 2400 Airport Way Seattle WA
PHONE: 206 306 1900 FAX: 206 306 1907

INVOICE TO:
P.O. NUMBER:

PROJECT NAME: Nordic Properties
PROJECT NUMBER: Port Orchard
SAMPLED BY: Cassandra Dijstelbergen

TURNAROUND REQUEST
in Business Days *
Organic & Inorganic Analyses: [X] STD. 7 5 4 3 2 1 <1
Petroleum Hydrocarbon Analyses: [X] STD. 5 4 3 2 1 <1
OTHER Specify:
* *Turnaround Requests less than standard* **may incur Rush Charges.**

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	PRESERVATIVE: NaHSO4	PRESERVATIVE: HCl	REQUESTED ANALYSES: 8260B	MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	TA WO ID
1	[redacted]					[redacted]	3		
2	MW16-20080623	6/23/08 1453	X	X		W	3	MW16	01
3									
4									
5									
6									
7									
8									
9									
10									

RELEASED BY:		DATE: 6-25-08	RECEIVED BY: Cathy Gamble	DATE: 6/25/08
PRINT NAME: Aaron Sagin	FIRM: SES	TIME: 11:57	PRINT NAME: Cathy Gamble	FIRM: TA-Sea	TIME: 11:57
RELEASED BY:		DATE:	RECEIVED BY:	DATE:
PRINT NAME:	FIRM:	TIME:	PRINT NAME:	FIRM:	TIME:

ADDITIONAL REMARKS:
TEMP: 8.8
COC REV 05/2006
PAGE 1 OF 1

Note: By relinquishing samples to TestAmerica, client agrees to pay for the services requested on this chain of custody form and for any additional analyses performed on this project.
Payment for services is due within 30 days from the date of invoice unless otherwise contracted. Sample(s) will be disposed of after 30 days unless otherwise contracted.

w/o

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

September 26, 2008

Terry Montoya
Sound Environmental Strategies
2400 Airport Way South, Suite 200
Seattle, WA/USA 98134-2020

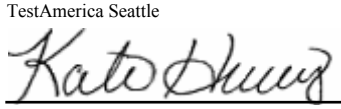
RE: Nordic Properties - Port Orchard

Enclosed are the results of analyses for samples received by the laboratory on 09/19/08 10:00. The following list is a summary of the Work Orders contained in this report, generated on 09/26/08 15:11.

If you have any questions concerning this report, please feel free to contact me.

Work Order	Project	ProjectNumber
BRI0323	Nordic Properties - Port Orcha	0644-001-01

TestAmerica Seattle



Kate Haney, Project Manager

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Sound Environmental Strategies	Project Name:	**Nordic Properties - Port Orchard**	
2400 Airport Way South, Suite 200	Project Number:	0644-001-01	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Terry Montoya	09/26/08 15:11

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
New-Wilkins Rd-North	BRI0323-01	Soil	09/18/08 09:45	09/19/08 10:00
New-Wilkins Rd-South	BRI0323-02	Soil	09/18/08 09:30	09/19/08 10:00
New-MW16-South	BRI0323-03	Soil	09/18/08 10:15	09/19/08 10:00

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Kate Haney, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
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Sound Environmental Strategies	Project Name:	**Nordic Properties - Port Orchard**	
2400 Airport Way South, Suite 200	Project Number:	0644-001-01	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Terry Montoya	09/26/08 15:11

Gasoline Hydrocarbons (Benzene to Naphthalene) and BTEX by NWTPH-G and EPA 8021B

TestAmerica Seattle

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BRI0323-01 (New-Wilkins Rd-North)		**Soil**			**Sampled: 09/18/08 09:45**					
Gasoline Range Hydrocarbons	NWTPH-Gx/802 1B	ND	-----	4.86	mg/kg dry	1x	8I24014	09/24/08 10:04	09/24/08 15:57	
Benzene	"	ND	-----	0.0292	"	"	"	"	"	
Toluene	"	ND	-----	0.0486	"	"	"	"	"	
Ethylbenzene	"	ND	-----	0.0486	"	"	"	"	"	
Xylenes (total)	"	ND	-----	0.0973	"	"	"	"	"	
Surrogate(s): 4-BFB (FID)			*87.7%*		*50 - 150 %*	"			"	
4-BFB (PID)			*116%*		*63 - 150 %*	"			"	
BRI0323-02 (New-Wilkins Rd-South)		**Soil**			**Sampled: 09/18/08 09:30**					
Gasoline Range Hydrocarbons	NWTPH-Gx/802 1B	**90.7**	-----	8.24	mg/kg dry	1x	8I24014	09/24/08 10:04	09/24/08 16:57	**Q8**
Benzene	"	ND	-----	0.0495	"	"	"	"	"	
Toluene	"	ND	-----	0.0824	"	"	"	"	"	
Ethylbenzene	"	ND	-----	0.0824	"	"	"	"	"	
Xylenes (total)	"	ND	-----	0.165	"	"	"	"	"	
Surrogate(s): 4-BFB (FID)			*160%*		*50 - 150 %*	"			"	***ZX***
4-BFB (PID)			*156%*		*63 - 150 %*	"			"	***ZX***
BRI0323-03 (New-MW16-South)		**Soil**			**Sampled: 09/18/08 10:15**					
Gasoline Range Hydrocarbons	NWTPH-Gx/802 1B	**99.3**	-----	7.00	mg/kg dry	1x	8I24014	09/24/08 10:04	09/24/08 17:27	**Q8**
Benzene	"	**1.66**	-----	0.0420	"	"	"	"	"	
Toluene	"	**0.161**	-----	0.0700	"	"	"	"	"	
Ethylbenzene	"	**0.641**	-----	0.0700	"	"	"	"	"	
Xylenes (total)	"	**0.694**	-----	0.140	"	"	"	"	"	
Surrogate(s): 4-BFB (FID)			*134%*		*50 - 150 %*	"			"	
4-BFB (PID)			*138%*		*63 - 150 %*	"			"	

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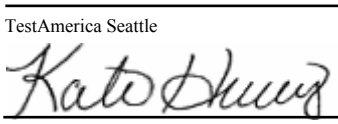

Kate Haney, Project Manager

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2400 Airport Way South, Suite 200	Project Number:	0644-001-01	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Terry Montoya	09/26/08 15:11

Physical Parameters by APHA/ASTM/EPA Methods

TestAmerica Seattle

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BRI0323-01 (New-Wilkins Rd-North)		**Soil**				**Sampled: 09/18/08 09:45**				
Dry Weight	BSOPSPL003R08	**90.5**	-----	1.00	%	1x	8I23047	09/23/08 14:28	09/24/08 00:00	
BRI0323-02 (New-Wilkins Rd-South)		**Soil**				**Sampled: 09/18/08 09:30**				
Dry Weight	BSOPSPL003R08	**73.1**	-----	1.00	%	1x	8I23047	09/23/08 14:28	09/24/08 00:00	
BRI0323-03 (New-MW16-South)		**Soil**				**Sampled: 09/18/08 10:15**				
Dry Weight	BSOPSPL003R08	**80.4**	-----	1.00	%	1x	8I23047	09/23/08 14:28	09/24/08 00:00	

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Sound Environmental Strategies	Project Name:	**Nordic Properties - Port Orchard**	
2400 Airport Way South, Suite 200	Project Number:	0644-001-01	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Terry Montoya	09/26/08 15:11

Gasoline Hydrocarbons (Benzene to Naphthalene) and BTEX by NWTPH-G and EPA 8021B - Laboratory Quality Control Results

TestAmerica Seattle

QC Batch: 8I24014 **Soil Preparation Method: EPA 5030B (P/T)**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8I24014-BLK1)							**Extracted: 09/24/08 10:04**							
Gasoline Range Hydrocarbons	NWTPH-Gx/ 8021B	ND	---	5.00	mg/kg wet	1x	--	--	--	--	--	--	09/24/08 13:54	
Benzene	"	ND	---	0.0300	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	0.0500	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	0.0500	"	"	--	--	--	--	--	--	"	
Xylenes (total)	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Surrogate(s): 4-BFB (FID)		*Recovery: 84.2%*			*Limits: 50-150%*	"							*09/24/08 13:54*	
4-BFB (PID)		*108%*			*63-150%*	"							"	
LCS (8I24014-BS1)							**Extracted: 09/24/08 10:04**							
Gasoline Range Hydrocarbons	NWTPH-Gx/ 8021B	47.5	---	5.00	mg/kg wet	1x	--	50.0	94.9%	(75-125)	--	--	09/24/08 14:24	
Surrogate(s): 4-BFB (FID)		*Recovery: 99.3%*			*Limits: 50-150%*	"							*09/24/08 14:24*	
LCS (8I24014-BS2)							**Extracted: 09/24/08 10:04**							
Benzene	NWTPH-Gx/ 8021B	1.47	---	0.0300	mg/kg wet	1x	--	1.50	98.0%	(75-125)	--	--	09/24/08 14:54	
Toluene	"	1.50	---	0.0500	"	"	--	"	99.8%	"	--	--	"	
Ethylbenzene	"	1.48	---	0.0500	"	"	--	"	99.0%	"	--	--	"	
Xylenes (total)	"	4.39	---	0.100	"	"	--	4.50	97.5%	"	--	--	"	
Surrogate(s): 4-BFB (PID)		*Recovery: 110%*			*Limits: 63-150%*	"							*09/24/08 14:54*	
Duplicate (8I24014-DUP1)					**QC Source: BRI0323-01**		**Extracted: 09/24/08 10:04**							
Gasoline Range Hydrocarbons	NWTPH-Gx/ 8021B	ND	---	4.86	mg/kg dry	1x	ND	--	--	--	1.50%	(40)	09/24/08 16:27	
Benzene	"	ND	---	0.0292	"	"	ND	--	--	--	NR	(35)	"	
Toluene	"	ND	---	0.0486	"	"	ND	--	--	--	NR	"	"	
Ethylbenzene	"	ND	---	0.0486	"	"	ND	--	--	--	87.4%	"	"	R4
Xylenes (total)	"	ND	---	0.0973	"	"	ND	--	--	--	88.1%	"	"	R4
Surrogate(s): 4-BFB (FID)		*Recovery: 97.6%*			*Limits: 50-150%*	"							*09/24/08 16:27*	
4-BFB (PID)		*120%*			*63-150%*	"							"	
Matrix Spike (8I24014-MS1)					**QC Source: BRI0323-01**		**Extracted: 09/24/08 10:04**							
Gasoline Range Hydrocarbons	NWTPH-Gx/ 8021B	49.5	---	4.86	mg/kg dry	1x	4.67	43.4	103%	(60-175)	--	--	09/24/08 18:27	
Surrogate(s): 4-BFB (FID)		*Recovery: 108%*			*Limits: 50-150%*	"							*09/24/08 18:27*	
Matrix Spike (8I24014-MS2)					**QC Source: BRI0323-01**		**Extracted: 09/24/08 10:04**							
Benzene	NWTPH-Gx/ 8021B	1.43	---	0.0292	mg/kg dry	1x	ND	1.30	110%	(60-160)	--	--	09/24/08 18:57	
Toluene	"	1.46	---	0.0486	"	"	ND	"	112%	"	--	--	"	
Ethylbenzene	"	1.45	---	0.0486	"	"	0.0108	"	110%	"	--	--	"	
Xylenes (total)	"	4.27	---	0.0973	"	"	0.0348	3.91	108%	"	--	--	"	

TestAmerica Seattle

Kate Haney, Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Nordic Properties - Port Orchard**	
2400 Airport Way South, Suite 200	Project Number:	0644-001-01	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Terry Montoya	09/26/08 15:11

Gasoline Hydrocarbons (Benzene to Naphthalene) and BTEX by NWTPH-G and EPA 8021B - Laboratory Quality Control Results

TestAmerica Seattle

QC Batch: 8I24014 **Soil Preparation Method: EPA 5030B (P/T)**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Matrix Spike (8I24014-MS2)					**QC Source: BRI0323-01**				**Extracted: 09/24/08 10:04**					
Surrogate(s): 4-BFB (PID)		*Recovery: 125%*			*Limits: 63-150%*	*1x*							*09/24/08 18:57*	

TestAmerica Seattle

Kate Haney, Project Manager

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Seattle, WA/USA 98134-2020	Project Manager:	Terry Montoya	09/26/08 15:11

Physical Parameters by APHA/ASTM/EPA Methods - Laboratory Quality Control Results

TestAmerica Seattle

QC Batch: 8I23047 **Soil Preparation Method: Dry Weight**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8I23047-BLK1)								**Extracted: 09/23/08 14:28**						
Dry Weight	BSOPSPL00 3R08	99.8	---	1.00	%	1x	--	--	--	--	--	--	09/24/08 00:00	

TestAmerica Seattle

Kate Haney, Project Manager

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Sound Environmental Strategies	Project Name:	**Nordic Properties - Port Orchard**	
2400 Airport Way South, Suite 200	Project Number:	0644-001-01	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Terry Montoya	09/26/08 15:11

Notes and Definitions

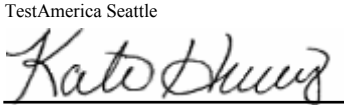
Report Specific Notes:

Q8	-	Detected hydrocarbons in the gasoline range appear to be due to overlap of diesel range hydrocarbons.
R4	-	Due to the low levels of analyte in the sample, the duplicate RPD calculation does not provide useful information.
ZX	-	Due to sample matrix effects, the surrogate recovery was outside the acceptance limits.

Laboratory Reporting Conventions:

DET	-	Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only.
ND	-	Analyte NOT DETECTED at or above the reporting limit (MDL or MRL, as appropriate).
NR/NA	-	Not Reported / Not Available
dry	-	Sample results reported on a Dry Weight Basis. Results and Reporting Limits have been corrected for Percent Dry Weight.
wet	-	Sample results and reporting limits reported on a Wet Weight Basis (as received). Results with neither 'wet' nor 'dry' are reported on a Wet Weight Basis.
RPD	-	RELATIVE PERCENT DIFFERENCE (RPDs calculated using Results, not Percent Recoveries).
MRL	-	METHOD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.
MDL*	-	METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B. *MDLs are listed on the report only if the data has been evaluated below the MRL. Results between the MDL and MRL are reported as Estimated Results.
Dil	-	Dilutions are calculated based on deviations from the standard dilution performed for an analysis, and may not represent the dilution found on the analytical raw data.
Reporting Limits	-	Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and percent solids, where applicable.
Electronic Signature	-	Electronic Signature added in accordance with TestAmerica's *Electronic Reporting and Electronic Signatures Policy.* Application of electronic signature indicates that the report has been reviewed and approved for release by the laboratory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

TestAmerica Seattle



Kate Haney, Project Manager

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

SES

TestAmerica Tacoma
5755 8th Street E.
Tacoma, WA 98424
Tel. 253-922-2310
Fax 253-922-5047
www.testamericainc.com

Chain of Custody Record

B210323

Client	Project Manager	Date	Chain of Custody Number
2424 AIRPORT WAY SOUTH	TERRY MONTOYA	9/19/08	2780
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page ____ of ____**
SEATTLE WA 98134	206 326 1900 / 206 326 1907		
City / State / Zip Code	**Site Contact / Lab Contact**		
Project Name and Location (State)	**Carrier/Waybill Number**		
NORDIC PROPERTIES PORT ORCHARD, WA			
Contract/Purchase Order/Quote No.			

Sample I.D. and Location/Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Retained	Analysis: GRAS	BTEX	Special Instructions/ Conditions of Receipt
NEW-WILKINSRD-NORTH	9/18/08	0945				X	X						X	X	X	01
NEW-WILKINSRD-SOUTH	"	0930				X	X						X	X	X	02
NEW-MW16-SOUTH	"	1015				X	X						X	X	X	03

Cooler	Possible Hazard Identification	Sample Disposal	
☒ Yes ☐ No Cooler Temp:____	☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown	☐ Return To Client ☒ Disposal By Lab ☐ Archive For ____ Months	(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required (business days)
☐ 24 Hours ☐ 48 Hours ☐ 5 Days ☒ 10 Days ☐ 15 Days ☐ Other ____

QC Requirements (Specify)

	Relinquished By	Date	Time	Received By	Date	Time
1.	[signature]	9/19/08	1700	Cathy Cambell	9/19/08	10:00
2.						
3.						

Comments

8.2 w/o

DISTRIBUTION: WHITE – Stays with the Samples; CANARY – Returned to Client with Report; PINK – Field Copy

TAL-8274-580 (0508)

TAT: 10 5 | Paperwork to PM – Date:_____ Time:_____ | Non-Conformances? Circle (Y) or N

Page Time & Initials:_____ | (If Y, see other side)

TEST AMERICA SAMPLE RECEIPT CHECKLIST

Received By: (applies to temp at receipt)
Date: 9/19
Time: 10:00
Initials: CV

Logged-in By:
Date: 9/20
Time: 9:34
Initials: CV

Unpacked/Labeled By:
Date: 9/20
Time: 10:15
Initials: CV

Cooler ID: 396

Work Order No. 320323
Client: _____
Project: _____

Container Type:
✓ Cooler
____ Box
____ None/Other _____

COC Seals:
____ Ship Container ____ Sign By
____ On Bottles ____ Date
✓ None

Packing Material:
____ Bubble Bags ____ Styrofoam
____ Foam Packs
(None)/Other _____

Refrigerant:
____ Gel Ice Pack _____
✓ Loose Ice _____
____ None/Other _____

Received Via: Bill#
____ Fed Ex ✓ Client
____ UPS ____ TA Courier
____ DHL ____ Mid Valley
____ Senvoy ____ TDP
____ GS ____ Other_____

Cooler Temperature (IR): 8.2 °C Plastic / (Glass) (circle one) (Frozen filters, Tedlars and aqueous Metals exempt)

Temperature Blank? _____°C or (NA)

Trip Blank? Y or (N) or (NA) CV 9/20

BP, OPLC,ARCO-Temperature monitoring every 15 minutes:
(initial/date/time):_____
Comments:_____

Sample Containers:		ID			ID
Intact?	(Y) or N		Metals Preserved?	Y or N or (NA)	
Provided by TA? CV 9/20	(Y) or N	Tacoma	Client QAPP Preserved?	Y or N or (NA)	
Correct Type?	(Y) or N		Adequate Volume? (for tests requested)	(Y) or N	
#Containers match COC?	(Y) or N		Water VOAs: Headspace?	Y or N or (NA)	
IDs/time/date match COC?	(Y) or N		Comments:		
Hold Times in hold?	(Y) or N		MeOH vials are from Tacoma		

PROJECT MANAGEMENT

Is the Chain of Custody complete? Y or N If N, circle the items that were incomplete

Comments,Problems_____

Total access set up? Y or N
Has client been contacted regarding non-conformances? Y or N If Y, ____/____ Date Time

PM Initials: _____ Date: _____ Time: _____

(rev 4, 01/24/07)

NOTIFICATION OF DISCREPANCY

DATE: 9/19	*TIME:* 10:00	*PM:*	*SC INITIALS:* CG

Rush/Short Hold? ☐ *Yes* ☒ *No*	

☐ **Project Not Set Up in ELM** ☐ **New Client** ☐ **COC Received ON HOLD**
☐ **Analysis Requested on COC – Not Listed for Project in ELM**

☐ **PM To Add Analysis:** _____
☐ **Clarification of Analysis:** _____
☐ **Hold Time Expired: (Analysis)** _____
☐ **Turnaround Time Not Checked:** _____
☐ **Did Not Receive Sample(s) Listed on COC:** _____
_____
☐ **Received Extra Sample(s) Not Listed on COC:** _____
_____
☐ **Sample Description(s) or Date/Time Sampled Do Not Match COC:**
_____
_____
_____
☐ **Improper Preservative For method:** _____
☐ **Sample Received Broken:** _____
☐ **Insufficient Sample Volume:** _____
☐ **Sample preserved upon receipt:** _____
_____
☒ **Temperature Outside recommended range (4°C±2°C):** 8.2
☐ **Received on-ice within 4 hours of collection, temperature between ambient to 2°C acceptable.**
☒ **Other:** Jars are from another client, Tacoma!
_____
_____
_____
_____

PROJECT MANAGER RESOLUTION:	(Date & Time when returned to SC)
Approval By:	**Date:** **Time:**

(rev 4, 01/24/07)

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
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January 08, 2009

Terry Montoya
Sound Environmental Strategies
2400 Airport Way South, Suite 200
Seattle, WA/USA 98134-2020

RE: Nordic Properties - Port Orchard

Enclosed are the results of analyses for samples received by the laboratory on 12/31/08 11:45. The following list is a summary of the Work Orders contained in this report, generated on 01/08/09 15:29.

If you have any questions concerning this report, please feel free to contact me.

Work Order	Project	ProjectNumber
BSA0005	Nordic Properties - Port Orcha	0644-001-01

TestAmerica Seattle

Curtis D. Armstrong, Project Manager

TestAmerica
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Sound Environmental Strategies	Project Name:	**Nordic Properties - Port Orchard**	
2400 Airport Way South, Suite 200	Project Number:	0644-001-01	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Terry Montoya	01/08/09 15:29

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW16-20081230	BSA0005-01	Water	12/30/08 13:08	12/31/08 11:45

TestAmerica Seattle

Curtis D. Armstrong, Project Manager

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Sound Environmental Strategies	Project Name:	**Nordic Properties - Port Orchard**	
2400 Airport Way South, Suite 200	Project Number:	0644-001-01	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Terry Montoya	01/08/09 15:29

Analytical Case Narrative

TestAmerica - Seattle, WA

BSA0005

SAMPLE RECEIPT

The samples were received 12/31/08 by TestAmerica - Seattle. The temperature of the samples at the time of receipt was 5.9 degrees Celsius.

PREPARATIONS AND ANALYSIS

Gasoline Hydrocarbons (Benzene to Naphthalene) and BTEX by NWTPH-G and EPA 8021B

The detection of Benzene in sample BSA0005-01 was confirmed by EPA 8260B analysis.

No additional anomalies, discrepancies, or issues were associated with sample preparation, analysis and quality control other than those already qualified in the data and described in the Notes and Definitions page at the end of the report.

TestAmerica Seattle

Curtis D. Armstrong, Project Manager

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Sound Environmental Strategies	Project Name:	**Nordic Properties - Port Orchard**	
2400 Airport Way South, Suite 200	Project Number:	0644-001-01	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Terry Montoya	01/08/09 15:29

Gasoline Hydrocarbons (Benzene to Naphthalene) and BTEX by NWTPH-G and EPA 8021B

TestAmerica Seattle

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BSA0005-01 (MW16-20081230)		**Water**					**Sampled: 12/30/08 13:08**			
Gasoline Range Hydrocarbons	NWTPH-Gx/802 1B	ND	-----	50.0	ug/l	1x	9A04004	01/04/09 12:16	01/04/09 16:50	
Benzene	"	**1.14**	-----	0.500	"	"	"	"	"	
Toluene	"	ND	-----	0.500	"	"	"	"	"	
Ethylbenzene	"	ND	-----	0.500	"	"	"	"	"	
Xylenes (total)	"	ND	-----	1.00	"	"	"	"	"	
Surrogate(s): 4-BFB (FID)			*95.5%*		*70 - 145 %*	"			"	
4-BFB (PID)			*103%*		*80 - 130 %*	"			"	

TestAmerica Seattle

Curtis D. Armstrong, Project Manager

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Sound Environmental Strategies	Project Name:	**Nordic Properties - Port Orchard**	
2400 Airport Way South, Suite 200	Project Number:	0644-001-01	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Terry Montoya	01/08/09 15:29

Gasoline Hydrocarbons (Benzene to Naphthalene) and BTEX by NWTPH-G and EPA 8021B - Laboratory Quality Control Results

TestAmerica Seattle

QC Batch: 9A04004 **Water Preparation Method: EPA 5030B (P/T)**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (9A04004-BLK1)								**Extracted: 01/04/09 12:16**						
Gasoline Range Hydrocarbons	NWTPH-Gx/ 8021B	ND	---	50.0	ug/l	1x	--	--	--	--	--	--	01/04/09 14:09	
Benzene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Xylenes (total)	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Surrogate(s): 4-BFB (FID)		*Recovery: 99.3%*			*Limits: 70-145%*	"							*01/04/09 14:09*	
4-BFB (PID)		*102%*			*80-130%*	"							"	
LCS (9A04004-BS1)								**Extracted: 01/04/09 12:16**						
Gasoline Range Hydrocarbons	NWTPH-Gx/ 8021B	972	---	50.0	ug/l	1x	--	1000	97.2%	(80-120)	--	--	01/04/09 14:41	
Surrogate(s): 4-BFB (FID)		*Recovery: 104%*			*Limits: 70-145%*	"							*01/04/09 14:41*	
LCS (9A04004-BS2)								**Extracted: 01/04/09 12:16**						
Benzene	NWTPH-Gx/ 8021B	30.4	---	0.500	ug/l	1x	--	30.0	102%	(80-125)	--	--	01/04/09 15:13	
Toluene	"	29.7	---	0.500	"	"	--	"	99.0%	(80-120)	--	--	"	
Ethylbenzene	"	30.1	---	0.500	"	"	--	"	100%	(80-125)	--	--	"	
Xylenes (total)	"	89.1	---	1.00	"	"	--	90.0	99.0%	(75-120)	--	--	"	
Surrogate(s): 4-BFB (PID)		*Recovery: 105%*			*Limits: 80-130%*	"							*01/04/09 15:13*	
Duplicate (9A04004-DUP1)					**QC Source: BSA0004-01**			**Extracted: 01/04/09 12:16**						
Gasoline Range Hydrocarbons	NWTPH-Gx/ 8021B	ND	---	50.0	ug/l	1x	ND	--	--	--	NR	(25)	01/04/09 16:18	
Benzene	"	ND	---	0.500	"	"	ND	--	--	--	NR	"	"	
Toluene	"	ND	---	0.500	"	"	ND	--	--	--	39.7%	"	"	**R4**
Ethylbenzene	"	ND	---	0.500	"	"	ND	--	--	--	NR	"	"	
Xylenes (total)	"	ND	---	1.00	"	"	ND	--	--	--	35.8%	"	"	**R4**
Surrogate(s): 4-BFB (FID)		*Recovery: 100%*			*Limits: 70-145%*	"							*01/04/09 16:18*	
4-BFB (PID)		*102%*			*80-130%*	"							"	
Duplicate (9A04004-DUP2)					**QC Source: BSA0005-01**			**Extracted: 01/04/09 12:16**						
Gasoline Range Hydrocarbons	NWTPH-Gx/ 8021B	ND	---	50.0	ug/l	1x	ND	--	--	--	NR	(25)	01/04/09 17:22	
Benzene	"	1.07	---	0.500	"	"	1.14	--	--	--	6.24%	"	"	
Toluene	"	ND	---	0.500	"	"	ND	--	--	--	11.1%	"	"	
Ethylbenzene	"	ND	---	0.500	"	"	ND	--	--	--	NR	"	"	
Xylenes (total)	"	ND	---	1.00	"	"	ND	--	--	--	NR	"	"	
Surrogate(s): 4-BFB (FID)		*Recovery: 93.7%*			*Limits: 70-145%*	"							*01/04/09 17:22*	
4-BFB (PID)		*101%*			*80-130%*	"							"	

TestAmerica Seattle

Curtis D. Armstrong, Project Manager

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Sound Environmental Strategies	Project Name:	**Nordic Properties - Port Orchard**	
2400 Airport Way South, Suite 200	Project Number:	0644-001-01	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Terry Montoya	01/08/09 15:29

Gasoline Hydrocarbons (Benzene to Naphthalene) and BTEX by NWTPH-G and EPA 8021B - Laboratory Quality Control Results

TestAmerica Seattle

QC Batch: 9A04004 **Water Preparation Method: EPA 5030B (P/T)**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Matrix Spike (9A04004-MS1)				**QC Source: BSA0004-01**				**Extracted: 01/04/09 12:16**						
Gasoline Range Hydrocarbons	NWTPH-Gx/ 8021B	1030	---	50.0	ug/l	1x	ND	1000	103%	(70-135)	--	--	01/04/09 18:26	
Surrogate(s): 4-BFB (FID)		*Recovery: 105%*		*Limits: 70-145%*	*"*								*01/04/09 18:26*	
Matrix Spike (9A04004-MS2)				**QC Source: BSA0005-01**				**Extracted: 01/04/09 12:16**						
Benzene	NWTPH-Gx/ 8021B	33.6	---	0.500	ug/l	1x	1.14	30.0	108%	(60-135)	--	--	01/04/09 18:59	
Toluene	"	31.3	---	0.500	"	"	0.102	"	104%	(65-135)	--	--	"	
Ethylbenzene	"	31.9	---	0.500	"	"	ND	"	106%	"	--	--	"	
Xylenes (total)	"	93.9	---	1.00	"	"	ND	90.0	104%	(65-130)	--	--	"	
Surrogate(s): 4-BFB (PID)		*Recovery: 102%*		*Limits: 80-130%*	*"*								*01/04/09 18:59*	

TestAmerica Seattle

Curtis D. Armstrong, Project Manager

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2400 Airport Way South, Suite 200	Project Number:	0644-001-01	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Terry Montoya	01/08/09 15:29

CERTIFICATION SUMMARY

TestAmerica Seattle

Method	Matrix	Nelac	Washington
NWTPH-Gx/8021B	Water		X

Any abnormalities or departures from sample acceptance policy shall be documented on the 'Sample Receipt and Temperature Log Form' and 'Sample Non-conformance Form' (if applicable) included with this report.

For information concerning certifications of this facility or another TestAmerica facility, please visit our website at www.TestAmericaInc.com

Samples collected by TestAmerica Field Services personnel are noted on the Chain of Custody (COC) .

TestAmerica Seattle

Curtis D. Armstrong, Project Manager

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2400 Airport Way South, Suite 200	Project Number:	0644-001-01	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Terry Montoya	01/08/09 15:29

Notes and Definitions

Report Specific Notes:

R4 - Due to the low levels of analyte in the sample, the duplicate RPD calculation does not provide useful information.

Laboratory Reporting Conventions:

DET - Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only.

ND - Analyte NOT DETECTED at or above the reporting limit (MDL or MRL, as appropriate).

NR/NA - Not Reported / Not Available

dry - Sample results reported on a Dry Weight Basis. Results and Reporting Limits have been corrected for Percent Dry Weight.

wet - Sample results and reporting limits reported on a Wet Weight Basis (as received). Results with neither 'wet' nor 'dry' are reported on a Wet Weight Basis.

RPD - RELATIVE PERCENT DIFFERENCE (RPDs calculated using Results, not Percent Recoveries).

MRL - METHOD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.

MDL* - METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B. *MDLs are listed on the report only if the data has been evaluated below the MRL. Results between the MDL and MRL are reported as Estimated Results.

Dil - Dilutions are calculated based on deviations from the standard dilution performed for an analysis, and may not represent the dilution found on the analytical raw data.

Reporting Limits - Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and percent solids, where applicable.

Electronic Signature - Electronic Signature added in accordance with TestAmerica's *Electronic Reporting and Electronic Signatures Policy.* Application of electronic signature indicates that the report has been reviewed and approved for release by the laboratory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

TestAmerica Seattle

Curtis D. Armstrong, Project Manager

Seattle
11720 North Creek Parkway N
Suite 400
Bothell, WA 98011
phone 425.420.9200 fax 425.420.9210

Chain of Custody Record

BRa BSA0005

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager:	Site Contact:	Date:	COC No:
Sound Environmental Strategies	Tel/Fax:	Lab Contact:	Carrier:	____ of ____ COCs
2400 Airport way S	**Analysis Turnaround Time**			Job No.
Seattle Wa, 98134	Calendar (C) or Work Days (W) ____			
(206) 306-1900 Phone	TAT if different from Below ____			SDG No.
(206) 306-1907 FAX	☐ 2 weeks			
Project Name: Nordic properties	☐ 1 week			
Site: Port Orchard: Bay St.	☐ 2 days			
P O # 0644-001-01	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	NWTPH-Gx	BTEX														Sample Specific Notes:
MW16-20081230	12/30/2008	1308	40mlVOA	W	4		x	x														-01

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* *Poison B* ☐ *Unknown* ☐

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Special Instructions/QC Requirements & Comments:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
			Colette Weaver	TAL Seattle	12.31.08 / 1145
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

TAT: _____ Paperwork to PM – Date:_____ Time:_____ Non-Conformances?

Page Time & Initials:_____ Circle Y or N

(If Y, see other side)

TEST AMERICA SAMPLE RECEIPT CHECKLIST

Received By: (applies to temp at receipt) **Logged-in By:** **Unpacked/Labeled By:** ***Cooler ID:*** _____

Date: 12.31.08 Date: 01.02.09 Date: 01.02 Work Order No. BSA0005

Time: 1145 Time: 1541 Time: 1541 Client: _____

Initials: CW Initials: CW Initials: CW Project: _____

Container Type:

X Cooler

___ Box

___ None/Other _____

COC Seals:

___ Ship Container _____ Sign By

___ On Bottles _____ Date

X None

Packing Material:

X Bubble Bags ___ Styrofoam

___ Foam Packs

___ None/Other _____

Refrigerant:

X Gel Ice Pack _____

X Loose Ice _____

___ None/Other _____

Received Via: Bill# _____

___ Fed Ex X Client

___ UPS ___ TA Courier

___ DHL ___ Mid Valley

___ Senvoy ___ TDP

___ GS ___ Other_____

Cooler Temperature (*IR*): 5.9 °C Plastic Glass (Frozen filters, Tedlars and aqueous Metals exempt)

(circle one)

Temperature Blank? _____°C or NA

Trip Blank? Y or N or NA

BP, OPLC,ARCO-Temperature monitoring every 15 minutes:

(initial/date/time):_____

Comments:_____

Sample Containers:		ID			ID
Intact?	Y or N	_____	Metals Preserved?	Y or N or NA	_____
Provided by TA?	Y or N	_____	Client QAPP Preserved?	Y or N or NA	_____
Correct Type?	Y or N	_____	Adequate Volume? (for tests requested)	Y or N	_____
#Containers match COC?	Y or N	_____	Water VOAs: Headspace?	Y or N or NA	_____
IDs/time/date match COC?	Y or N	_____	Comments:		
Hold Times in hold?	Y or N	_____			

PROJECT MANAGEMENT

Is the Chain of Custody complete? Y or N If N, circle the items that were incomplete

Comments,Problems_____

_____

_____

_____

Total access set up? Y or N

Has client been contacted regarding non-conformances? Y or N If Y, ____/____ Date Time

PM Initials: _____ Date: _____ Time: _____

(rev 4, 01/24/07)

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
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March 24, 2009

Terry Montoya
Sound Environmental Strategies
2400 Airport Way South, Suite 200
Seattle, WA/USA 98134-2020

RE: Nordic Properties - Port Orchard

Enclosed are the results of analyses for samples received by the laboratory on 03/10/09 12:30. The following list is a summary of the Work Orders contained in this report, generated on 03/24/09 09:39.

If you have any questions concerning this report, please feel free to contact me.

Work Order	Project	ProjectNumber
BSC0094	Nordic Properties - Port Orcha	0644-001-01

TestAmerica Seattle

Curtis D. Armstrong, Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
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PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Nordic Properties - Port Orchard**	
2400 Airport Way South, Suite 200	Project Number:	0644-001-01	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Terry Montoya	03/24/09 09:39

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW03-20090309	BSC0094-01	Water	03/09/09 15:49	03/10/09 12:30
MW16-20090309	BSC0094-02	Water	03/09/09 15:43	03/10/09 12:30

TestAmerica Seattle

Curtis D. Armstrong, Project Manager

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Sound Environmental Strategies	Project Name:	**Nordic Properties - Port Orchard**	
2400 Airport Way South, Suite 200	Project Number:	0644-001-01	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Terry Montoya	03/24/09 09:39

Analytical Case Narrative

TestAmerica - Seattle, WA

BSC0094

SAMPLE RECEIPT

The samples were received 03/10/09 by TestAmerica - Seattle. The temperature of the samples at the time of receipt was 7.1 degrees Celsius.

PREPARATIONS AND ANALYSIS

Gasoline Hydrocarbons (Benzene to Naphthalene) and BTEX by NWTPH-G and EPA 8021

The Benzene detection for Sample BSC0094-02 (MW16-10090309) was confirmed via EPA method 8260B.

No additional anomalies, discrepancies, or issues were associated with sample preparation, analysis and quality control other than those already qualified in the data and described in the Notes and Definitions page at the end of the report.

TestAmerica Seattle

Curtis D. Armstrong, Project Manager

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Sound Environmental Strategies	Project Name:	**Nordic Properties - Port Orchard**	
2400 Airport Way South, Suite 200	Project Number:	0644-001-01	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Terry Montoya	03/24/09 09:39

Gasoline Hydrocarbons (Benzene to Naphthalene) and BTEX by NWTPH-G and EPA 8021B

TestAmerica Seattle

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BSC0094-02 (MW16-20090309)		**Water**			**Sampled: 03/09/09 15:43**					
Gasoline Range Hydrocarbons	NWTPH-Gx/802 1B	ND	-----	50.0	ug/l	1x	9C11008	03/11/09 07:35	03/11/09 19:45	
Benzene	"	**1.93**	-----	0.500	"	"	"	"	"	
Toluene	"	ND	-----	0.500	"	"	"	"	"	
Ethylbenzene	"	ND	-----	0.500	"	"	"	"	"	
Xylenes (total)	"	ND	-----	1.00	"	"	"	"	"	
Surrogate(s): 4-BFB (FID)			*88.5%*		*70 - 145 %*	"			"	
4-BFB (PID)			*103%*		*80 - 130 %*	"			"	

TestAmerica Seattle

Curtis D. Armstrong, Project Manager

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Sound Environmental Strategies	Project Name:	**Nordic Properties - Port Orchard**	
2400 Airport Way South, Suite 200	Project Number:	0644-001-01	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Terry Montoya	03/24/09 09:39

BTEX Confirmation by EPA Method 8260B

TestAmerica Seattle

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BSC0094-02 (MW16-20090309)		**Water**				**Sampled: 03/09/09 15:43**				
Benzene	EPA 8260B	**2.13**	-----	0.500	ug/l	1x	9C13023	03/13/09 15:15	03/13/09 22:27	
Surrogate(s): 1,2-DCA-d4			*93.5%*		*80 - 120 %*	"			"	
Toluene-d8			*98.9%*		*80 - 120 %*	"			"	
4-BFB			*99.8%*		*80 - 120 %*	"			"	

TestAmerica Seattle

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Seattle, WA/USA 98134-2020	Project Manager:	Terry Montoya	03/24/09 09:39

Anions by EPA Method 300.0

TestAmerica Seattle

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BSC0094-01 (MW03-20090309)		**Water**					**Sampled: 03/09/09 15:49**			
Sulfate	EPA 300.0	**0.910**	-----	0.400	mg/l	1x	9C11015	03/11/09 10:21	03/11/09 19:09	

TestAmerica Seattle

Curtis D. Armstrong, Project Manager

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Sound Environmental Strategies	Project Name:	**Nordic Properties - Port Orchard**	
2400 Airport Way South, Suite 200	Project Number:	0644-001-01	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Terry Montoya	03/24/09 09:39

Gasoline Hydrocarbons (Benzene to Naphthalene) and BTEX by NWTPH-G and EPA 8021B - Laboratory Quality Control Results

TestAmerica Seattle

QC Batch: 9C11008 **Water Preparation Method: EPA 5030B (P/T)**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (9C11008-BLK1)								**Extracted: 03/11/09 07:35**						
Gasoline Range Hydrocarbons	NWTPH-Gx/ 8021B	ND	---	50.0	ug/l	1x	--	--	--	--	--	--	03/11/09 09:45	
Benzene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Xylenes (total)	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Surrogate(s): 4-BFB (FID)		*Recovery: 86.9%*			*Limits: 70-145%*	"							*03/11/09 09:45*	
4-BFB (PID)		*101%*			*80-130%*	"							"	
LCS (9C11008-BS1)								**Extracted: 03/11/09 07:35**						
Gasoline Range Hydrocarbons	NWTPH-Gx/ 8021B	1000	---	50.0	ug/l	1x	--	1000	100%	(80-120)	--	--	03/11/09 10:17	
Surrogate(s): 4-BFB (FID)		*Recovery: 98.5%*			*Limits: 70-145%*	"							*03/11/09 10:17*	
LCS (9C11008-BS2)								**Extracted: 03/11/09 07:35**						
Benzene	NWTPH-Gx/ 8021B	30.7	---	0.500	ug/l	1x	--	30.0	102%	(80-125)	--	--	03/11/09 10:50	
Toluene	"	30.1	---	0.500	"	"	--	"	100%	(80-120)	--	--	"	
Ethylbenzene	"	30.2	---	0.500	"	"	--	"	101%	(80-125)	--	--	"	
Xylenes (total)	"	89.4	---	1.00	"	"	--	90.0	99.3%	(75-120)	--	--	"	
Surrogate(s): 4-BFB (PID)		*Recovery: 101%*			*Limits: 80-130%*	"							*03/11/09 10:50*	
Duplicate (9C11008-DUP1)					**QC Source: BSC0091-01**			**Extracted: 03/11/09 07:35**						
Gasoline Range Hydrocarbons	NWTPH-Gx/ 8021B	ND	---	50.0	ug/l	1x	ND	--	--	--	NR	(25)	03/11/09 12:12	
Benzene	"	ND	---	0.500	"	"	ND	--	--	--	NR	"	"	
Toluene	"	ND	---	0.500	"	"	ND	--	--	--	NR	"	"	
Ethylbenzene	"	ND	---	0.500	"	"	ND	--	--	--	NR	"	"	
Xylenes (total)	"	ND	---	1.00	"	"	ND	--	--	--	69.4%	"	"	R4
Surrogate(s): 4-BFB (FID)		*Recovery: 89.7%*			*Limits: 70-145%*	"							*03/11/09 12:12*	
4-BFB (PID)		*102%*			*80-130%*	"							"	
Duplicate (9C11008-DUP2)					**QC Source: BSC0091-02**			**Extracted: 03/11/09 07:35**						
Gasoline Range Hydrocarbons	NWTPH-Gx/ 8021B	ND	---	50.0	ug/l	1x	ND	--	--	--	NR	(25)	03/11/09 17:35	
Benzene	"	ND	---	0.500	"	"	ND	--	--	--	NR	"	"	
Toluene	"	ND	---	0.500	"	"	ND	--	--	--	NR	"	"	
Ethylbenzene	"	ND	---	0.500	"	"	ND	--	--	--	NR	"	"	
Xylenes (total)	"	ND	---	1.00	"	"	ND	--	--	--	17.6%	"	"	
Surrogate(s): 4-BFB (FID)		*Recovery: 89.0%*			*Limits: 70-145%*	"							*03/11/09 17:35*	
4-BFB (PID)		*103%*			*80-130%*	"							"	

TestAmerica Seattle

Curtis D. Armstrong, Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Nordic Properties - Port Orchard**	
2400 Airport Way South, Suite 200	Project Number:	0644-001-01	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Terry Montoya	03/24/09 09:39

Gasoline Hydrocarbons (Benzene to Naphthalene) and BTEX by NWTPH-G and EPA 8021B - Laboratory Quality Control Results

TestAmerica Seattle

QC Batch: 9C11008 **Water Preparation Method: EPA 5030B (P/T)**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Matrix Spike (9C11008-MS1)				**QC Source: BSC0091-01**					**Extracted: 03/11/09 07:35**					
Gasoline Range Hydrocarbons	NWTPH-Gx/ 8021B	1150	---	50.0	ug/l	1x	ND	1000	115%	(70-135)	--	--	03/11/09 14:22	
Surrogate(s): 4-BFB (FID)		*Recovery: 99.9%*		*Limits: 70-145%*	"								*03/11/09 14:22*	
Matrix Spike (9C11008-MS2)				**QC Source: BSC0091-02**					**Extracted: 03/11/09 07:35**					
Benzene	NWTPH-Gx/ 8021B	33.6	---	0.500	ug/l	1x	ND	30.0	112%	(60-135)	--	--	03/11/09 21:22	
Toluene	"	33.0	---	0.500	"	"	ND	"	110%	(65-135)	--	--	"	
Ethylbenzene	"	33.6	---	0.500	"	"	ND	"	112%	"	--	--	"	
Xylenes (total)	"	98.5	---	1.00	"	"	0.254	90.0	109%	(65-130)	--	--	"	
Surrogate(s): 4-BFB (PID)		*Recovery: 102%*		*Limits: 80-130%*	"								*03/11/09 21:22*	
Matrix Spike Dup (9C11008-MSD1)				**QC Source: BSC0091-01**					**Extracted: 03/11/09 07:35**					
Gasoline Range Hydrocarbons	NWTPH-Gx/ 8021B	1030	---	50.0	ug/l	1x	ND	1000	103%	(70-135)	11.4%	(25)	03/11/09 14:54	
Surrogate(s): 4-BFB (FID)		*Recovery: 94.5%*		*Limits: 70-145%*	"								*03/11/09 14:54*	
Matrix Spike Dup (9C11008-MSD2)				**QC Source: BSC0091-02**					**Extracted: 03/11/09 07:35**					
Benzene	NWTPH-Gx/ 8021B	33.5	---	0.500	ug/l	1x	ND	30.0	112%	(60-135)	0.304%	(25)	03/11/09 21:54	
Toluene	"	32.8	---	0.500	"	"	ND	"	109%	(65-135)	0.745%	"	"	
Ethylbenzene	"	33.2	---	0.500	"	"	ND	"	111%	"	1.05%	"	"	
Xylenes (total)	"	97.6	---	1.00	"	"	0.254	90.0	108%	(65-130)	0.961%	"	"	
Surrogate(s): 4-BFB (PID)		*Recovery: 102%*		*Limits: 80-130%*	"								*03/11/09 21:54*	

TestAmerica Seattle

Curtis D. Armstrong, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
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Sound Environmental Strategies	Project Name:	**Nordic Properties - Port Orchard**	
2400 Airport Way South, Suite 200	Project Number:	0644-001-01	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Terry Montoya	03/24/09 09:39

BTEX Confirmation by EPA Method 8260B - Laboratory Quality Control Results

TestAmerica Seattle

QC Batch: 9C13023 **Water Preparation Method: EPA 5030B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (9C13023-BLK1)								**Extracted: 03/13/09 15:15**						
Benzene	EPA 8260B	ND	---	0.500	ug/l	1x	--	--	--	--	--	--	03/13/09 16:53	
Surrogate(s): 1,2-DCA-d4		*Recovery: 97.9%*			*Limits: 80-120%*	"							*03/13/09 16:53*	
Toluene-d8		*99.4%*			*80-120%*	"							"	
4-BFB		*97.8%*			*80-120%*	"							"	
LCS (9C13023-BS1)								**Extracted: 03/13/09 15:15**						
Benzene	EPA 8260B	42.4	---	0.500	ug/l	1x	--	40.0	106%	(80-120)	--	--	03/13/09 15:26	
Surrogate(s): 1,2-DCA-d4		*Recovery: 92.0%*			*Limits: 80-120%*	"							*03/13/09 15:26*	
Toluene-d8		*101%*			*80-120%*	"							"	
4-BFB		*102%*			*80-120%*	"							"	
Matrix Spike (9C13023-MS1)							**QC Source: BSC0118-05**	**Extracted: 03/13/09 15:15**						
Benzene	EPA 8260B	52.9	---	0.500	ug/l	1x	8.71	40.0	111%	(75-130)	--	--	03/13/09 15:57	
Surrogate(s): 1,2-DCA-d4		*Recovery: 93.5%*			*Limits: 80-120%*	"							*03/13/09 15:57*	
Toluene-d8		*102%*			*80-120%*	"							"	
4-BFB		*99.1%*			*80-120%*	"							"	
Matrix Spike Dup (9C13023-MSD1)							**QC Source: BSC0118-05**	**Extracted: 03/13/09 15:15**						
Benzene	EPA 8260B	52.1	---	0.500	ug/l	1x	8.71	40.0	108%	(75-130)	1.66%	(25)	03/13/09 16:23	
Surrogate(s): 1,2-DCA-d4		*Recovery: 91.0%*			*Limits: 80-120%*	"							*03/13/09 16:23*	
Toluene-d8		*102%*			*80-120%*	"							"	
4-BFB		*98.9%*			*80-120%*	"							"	

TestAmerica Seattle

Curtis D. Armstrong, Project Manager

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Sound Environmental Strategies	Project Name:	**Nordic Properties - Port Orchard**	
2400 Airport Way South, Suite 200	Project Number:	0644-001-01	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Terry Montoya	03/24/09 09:39

Anions by EPA Method 300.0 - Laboratory Quality Control Results

TestAmerica Seattle

QC Batch: 9C11015 **Water Preparation Method: General Preparation**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (9C11015-BLK1)								**Extracted: 03/11/09 10:21**						
Sulfate	EPA 300.0	ND	---	0.400	mg/l	1x	--	--	--	--	--	--	03/11/09 13:41	
LCS (9C11015-BS1)								**Extracted: 03/11/09 10:21**						
Sulfate	EPA 300.0	5.98	---	0.400	mg/l	1x	--	6.00	99.7%	(90-110)	--	--	03/11/09 13:57	
Duplicate (9C11015-DUP1)					**QC Source: BSC0088-02**				**Extracted: 03/11/09 10:21**					
Sulfate	EPA 300.0	30.2	---	4.00	mg/l	10x	29.7	--	--	--	1.67%	(20)	03/11/09 16:49	
Matrix Spike (9C11015-MS1)					**QC Source: BSC0088-02**				**Extracted: 03/11/09 10:21**					
Sulfate	EPA 300.0	35.7	---	4.00	mg/l	10x	29.7	6.00	100%	(80-120)	--	--	03/11/09 17:04	

TestAmerica Seattle

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Seattle, WA/USA 98134-2020	Project Manager:	Terry Montoya	03/24/09 09:39

CERTIFICATION SUMMARY

TestAmerica Seattle

Method	Matrix	Nelac	Washington
EPA 300.0	Water	X	X
EPA 8260B	Water	X	X
NWTPH-Gx/8021B	Water		X

Any abnormalities or departures from sample acceptance policy shall be documented on the 'Sample Receipt and Temperature Log Form' and 'Sample Non-conformance Form' (if applicable) included with this report.

For information concerning certifications of this facility or another TestAmerica facility, please visit our website at www.TestAmericaInc.com

Samples collected by TestAmerica Field Services personnel are noted on the Chain of Custody (COC) .

TestAmerica Seattle

Curtis D. Armstrong, Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Nordic Properties - Port Orchard**	
2400 Airport Way South, Suite 200	Project Number:	0644-001-01	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Terry Montoya	03/24/09 09:39

Notes and Definitions

Report Specific Notes:

R4 - Due to the low levels of analyte in the sample, the duplicate RPD calculation does not provide useful information.

Laboratory Reporting Conventions:

DET - Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only.

ND - Analyte NOT DETECTED at or above the reporting limit (MDL or MRL, as appropriate).

NR/NA - Not Reported / Not Available

dry - Sample results reported on a Dry Weight Basis. Results and Reporting Limits have been corrected for Percent Dry Weight.

wet - Sample results and reporting limits reported on a Wet Weight Basis (as received). Results with neither 'wet' nor 'dry' are reported on a Wet Weight Basis.

RPD - RELATIVE PERCENT DIFFERENCE (RPDs calculated using Results, not Percent Recoveries).

MRL - METHOD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.

MDL* - METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B. *MDLs are listed on the report only if the data has been evaluated below the MRL. Results between the MDL and MRL are reported as Estimated Results.

Dil - Dilutions are calculated based on deviations from the standard dilution performed for an analysis, and may not represent the dilution found on the analytical raw data.

Reporting Limits - Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and percent solids, where applicable.

Electronic Signature - Electronic Signature added in accordance with TestAmerica's *Electronic Reporting and Electronic Signatures Policy.* Application of electronic signature indicates that the report has been reviewed and approved for release by the laboratory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

TestAmerica Seattle

Curtis D. Armstrong, Project Manager

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244 425-420-9200 FAX 420-9210
11922 E. First Ave, Spokane, WA 99206-5302 509-924-9200 FAX 924-9290
9405 SW Nimbus Ave,Beaverton, OR 97008-7145 503-906-9200 FAX 906-9210
2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 907-563-9200 FAX 563-9210

CHAIN OF CUSTODY REPORT

Work Order #: BSC0094

CLIENT: SES

INVOICE TO: Tony Mantey

REPORT TO: 2400 Airport Way S
ADDRESS:

PHONE: 206-306-1900 FAX: 206-306-1907

P.O. NUMBER: 0644-003-01

PROJECT NAME: Nordic properties - Port Orchard

PROJECT NUMBER: 0644-003-01

SAMPLED BY: RMT

TURNAROUND REQUEST
in Business Days *

Organic & Inorganic Analyses: [10] STD. [7] [5] [4] [3] [2] [1] [<1]

Petroleum Hydrocarbon Analyses: [5] STD. [4] [3] [2] [1] [<1]

[OTHER] Specify:

* Turnaround Requests less than standard may incur Rush Charges.

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	PRESERVATIVE: HCl	HCl	None	REQUESTED ANALYSES: BTEX	GRPH	Sulfate	MATRIX (W, S, O)	# OF CONT.	LOCATION/ COMMENTS	TA WO ID
1	MW03-20090309	03/09/09 1549			✓				W	1		-01
2	MW16-20090309	03/09/09 1543	✓	✓					W	4		-02
3												
4												
5												
6												
7												
8												
9												
10												

RELEASED BY:		DATE: 03/10/09	RECEIVED BY:	DATE: 3/10/09
PRINT NAME: Ryan Thomson	FIRM: SES	TIME: 1230	PRINT NAME: Francisco Luna, Jr.	FIRM: TA-SEA	TIME: 1230
RELEASED BY:		DATE:	RECEIVED BY:	DATE:
PRINT NAME:	FIRM:	TIME:	PRINT NAME:	FIRM:	TIME:

ADDITIONAL REMARKS: w/o

TEMP: 7.1°C

PAGE OF

TAL-1000(0408)

TAT: _____ Paperwork to PM – Date:_____ Time:_____ Non-Conformances?

Page Time & Initials:_____ Circle (Y) or N

(If Y, see other side)

TEST AMERICA SAMPLE RECEIPT CHECKLIST

Received By: (applies to temp at receipt)	**Logged-in By:**	**Unpacked/Labeled By:**	***Cooler ID:*** _____
Date: 3/10/09	Date: 3/10/09	Date: 3/10/09	Work Order No. BSC0094
Time: 1230	Time: 1254	Time: 1302	Client: _____
Initials: FL	Initials: FL	Initials: FL	Project: _____

Container Type:

____ Cooler
____ Box
X (None)/Other _____

COC Seals:

____ Ship Container _____ Sign By
____ On Bottles _____ Date
X None

Packing Material:

X Bubble Bags ____ Styrofoam
____ Foam Packs
____ None/Other _____

Refrigerant:

____ Gel Ice Pack _____
____ Loose Ice _____
X (None)/Other _____

Soil Stir Bars/Encores:

Placed in freezer #46:
Y or N or (NA)
Initial/date/time_____

Received Via: Bill#:

____ Fed Ex X Client
____ UPS ____ TA Courier
____ DHL ____ Mid Valley
____ Senvoy ____ TDP
____ GS ____ Other_____

Cooler Temperature (*IR*): 7.1 °C (Plastic) Glass (Frozen filters, Tedlars and aqueous Metals exempt)
(circle one)

Temperature Blank? _____°C or (NA) comments _____ Trip Blank? Y or N or (NA)

BP, OPLC,ARCO-Temperature monitoring every 15 minutes:
(initial/date/time):_____
Comments:_____

Sample Containers:		ID			ID
Intact?	(Y) or N	_____	Metals Preserved?	Y or N or (NA)	_____
Provided by TA?	(Y) or N	_____	Client QAPP Preserved?	Y or N or (NA)	_____
Correct Type?	(Y) or N	_____	Adequate Volume? (for tests requested)	(Y) or N	_____
#Containers match COC?	(Y) or N	_____	Water VOAs: Headspace?	(Y) or N or NA	02-D
IDs/time/date match COC?	FL (X) or (N)	_____	Comments:		
Hold Times in hold?	(Y) or N	_____			

PROJECT MANAGEMENT

Is the Chain of Custody complete? Y or N If N, circle the items that were incomplete

Comments,Problems_____

_____

_____

_____

Total access set up? Y or N
Has client been contacted regarding non-conformances? Y or N If Y, ____/____ (Date Time)

PM Initials: _____ Date: _____ Time: _____

(rev 5, 03/04/09)

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

June 16, 2009

Terry Montoya
Sound Environmental Strategies
2400 Airport Way South, Suite 200
Seattle, WA/USA 98134-2020

RE: Nordic Properties - Port Orchard

Enclosed are the results of analyses for samples received by the laboratory on 06/09/09 16:00. The following list is a summary of the Work Orders contained in this report, generated on 06/16/09 14:42.

If you have any questions concerning this report, please feel free to contact me.

Work Order	Project	ProjectNumber
BSF0100	Nordic Properties - Port Orcha	0644-001-01

TestAmerica Seattle

Curtis D. Armstrong, Project Manager

TestAmerica
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PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Nordic Properties - Port Orchard**	
2400 Airport Way South, Suite 200	Project Number:	0644-001-01	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Terry Montoya	06/16/09 14:42

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW16-20090608	BSF0100-01	Water	06/08/09 14:46	06/09/09 16:00

TestAmerica Seattle

Curtis D. Armstrong, Project Manager

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Sound Environmental Strategies	Project Name:	**Nordic Properties - Port Orchard**	
2400 Airport Way South, Suite 200	Project Number:	0644-001-01	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Terry Montoya	06/16/09 14:42

Gasoline Hydrocarbons (Benzene to Naphthalene) and BTEX by NWTPH-G and EPA 8021B

TestAmerica Seattle

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BSF0100-01 (MW16-20090608)		**Water**			**Sampled: 06/08/09 14:46**					
Gasoline Range Hydrocarbons	NWTPH-Gx/802 1B	ND	-----	50.0	ug/l	1x	9F11016	06/11/09 13:02	06/12/09 21:40	
Benzene	"	**0.846**	-----	0.500	"	"	"	"	"	
Toluene	"	ND	-----	0.500	"	"	"	"	"	
Ethylbenzene	"	ND	-----	0.500	"	"	"	"	"	
Xylenes (total)	"	ND	-----	1.00	"	"	"	"	"	
Surrogate(s): 4-BFB (FID)			*83.6%*		*70 - 145 %*	"			"	
4-BFB (PID)			*94.1%*		*80 - 130 %*	"			"	

TestAmerica Seattle

Curtis D. Armstrong, Project Manager

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Sound Environmental Strategies	Project Name:	**Nordic Properties - Port Orchard**	
2400 Airport Way South, Suite 200	Project Number:	0644-001-01	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Terry Montoya	06/16/09 14:42

Gasoline Hydrocarbons (Benzene to Naphthalene) and BTEX by NWTPH-G and EPA 8021B - Laboratory Quality Control Results

TestAmerica Seattle

QC Batch: 9F11016 **Water Preparation Method: EPA 5030B (P/T)**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (9F11016-BLK1)								**Extracted: 06/11/09 13:02**						
Gasoline Range Hydrocarbons	NWTPH-Gx/ 8021B	ND	---	50.0	ug/l	1x	--	--	--	--	--	--	06/12/09 18:57	
Benzene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Xylenes (total)	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Surrogate(s): 4-BFB (FID)		*Recovery: 83.6%*			*Limits: 70-145%*	"							*06/12/09 18:57*	
4-BFB (PID)		*93.1%*			*80-130%*	"							"	
LCS (9F11016-BS1)								**Extracted: 06/11/09 13:02**						
Gasoline Range Hydrocarbons	NWTPH-Gx/ 8021B	1070	---	50.0	ug/l	1x	--	1000	107%	(80-120)	--	--	06/12/09 19:30	
Surrogate(s): 4-BFB (FID)		*Recovery: 94.4%*			*Limits: 70-145%*	"							*06/12/09 19:30*	
LCS (9F11016-BS2)								**Extracted: 06/11/09 13:02**						
Benzene	NWTPH-Gx/ 8021B	28.8	---	0.500	ug/l	1x	--	30.0	95.9%	(80-125)	--	--	06/12/09 20:02	
Toluene	"	30.3	---	0.500	"	"	--	"	101%	(80-120)	--	--	"	
Ethylbenzene	"	30.2	---	0.500	"	"	--	"	101%	(80-125)	--	--	"	
Xylenes (total)	"	90.3	---	1.00	"	"	--	90.0	100%	(75-120)	--	--	"	
Surrogate(s): 4-BFB (PID)		*Recovery: 95.3%*			*Limits: 80-130%*	"							*06/12/09 20:02*	
Duplicate (9F11016-DUP1)					**QC Source: BSF0101-01**			**Extracted: 06/11/09 13:02**						
Gasoline Range Hydrocarbons	NWTPH-Gx/ 8021B	ND	---	50.0	ug/l	1x	ND	--	--	--	NR	(25)	06/12/09 22:45	
Benzene	"	ND	---	0.500	"	"	ND	--	--	--	21.6%	"	"	
Toluene	"	ND	---	0.500	"	"	ND	--	--	--	13.0%	"	"	
Ethylbenzene	"	ND	---	0.500	"	"	ND	--	--	--	NR	"	"	
Xylenes (total)	"	ND	---	1.00	"	"	ND	--	--	--	NR	"	"	
Surrogate(s): 4-BFB (FID)		*Recovery: 84.8%*			*Limits: 70-145%*	"							*06/12/09 22:45*	
4-BFB (PID)		*92.1%*			*80-130%*	"							"	
Matrix Spike (9F11016-MS1)					**QC Source: BSF0100-01**			**Extracted: 06/11/09 13:02**						
Gasoline Range Hydrocarbons	NWTPH-Gx/ 8021B	1080	---	50.0	ug/l	1x	ND	1000	108%	(70-135)	--	--	06/13/09 04:42	
Surrogate(s): 4-BFB (FID)		*Recovery: 93.1%*			*Limits: 70-145%*	"							*06/13/09 04:42*	
Matrix Spike (9F11016-MS2)					**QC Source: BSF0101-01**			**Extracted: 06/11/09 13:02**						
Benzene	NWTPH-Gx/ 8021B	31.7	---	0.500	ug/l	1x	0.128	30.0	105%	(60-135)	--	--	06/13/09 05:47	
Toluene	"	31.6	---	0.500	"	"	0.115	"	105%	(65-135)	--	--	"	
Ethylbenzene	"	32.3	---	0.500	"	"	ND	"	108%	"	--	--	"	
Xylenes (total)	"	94.6	---	1.00	"	"	ND	90.0	105%	(65-130)	--	--	"	

TestAmerica Seattle

Curtis D. Armstrong, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Nordic Properties - Port Orchard**	
2400 Airport Way South, Suite 200	Project Number:	0644-001-01	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Terry Montoya	06/16/09 14:42

Gasoline Hydrocarbons (Benzene to Naphthalene) and BTEX by NWTPH-G and EPA 8021B - Laboratory Quality Control Results

TestAmerica Seattle

QC Batch: 9F11016 **Water Preparation Method: EPA 5030B (P/T)**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Matrix Spike (9F11016-MS2)					**QC Source: BSF0101-01**				**Extracted: 06/11/09 13:02**					
Surrogate(s): 4-BFB (PID)		*Recovery: 92.6%*			*Limits: 80-130%*	*1x*							*06/13/09 05:47*	
Matrix Spike Dup (9F11016-MSD1)					**QC Source: BSF0100-01**				**Extracted: 06/11/09 13:02**					
Gasoline Range Hydrocarbons	NWTPH-Gx/ 8021B	1030	---	50.0	ug/l	1x	ND	1000	103%	(70-135)	4.55%	(25)	06/13/09 05:15	
Surrogate(s): 4-BFB (FID)		*Recovery: 91.8%*			*Limits: 70-145%*	*"*							*06/13/09 05:15*	
Matrix Spike Dup (9F11016-MSD2)					**QC Source: BSF0101-01**				**Extracted: 06/11/09 13:02**					
Benzene	NWTPH-Gx/ 8021B	31.5	---	0.500	ug/l	1x	0.128	30.0	104%	(60-135)	0.694%	(25)	06/13/09 06:20	
Toluene	"	31.4	---	0.500	"	"	0.115	"	104%	(65-135)	0.734%	"	"	
Ethylbenzene	"	32.2	---	0.500	"	"	ND	"	107%	"	0.310%	"	"	
Xylenes (total)	"	94.2	---	1.00	"	"	ND	90.0	105%	(65-130)	0.376%	"	"	
Surrogate(s): 4-BFB (PID)		*Recovery: 93.1%*			*Limits: 80-130%*	*"*							*06/13/09 06:20*	

TestAmerica Seattle

Curtis D. Armstrong, Project Manager

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Sound Environmental Strategies	Project Name:	**Nordic Properties - Port Orchard**	
2400 Airport Way South, Suite 200	Project Number:	0644-001-01	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Terry Montoya	06/16/09 14:42

CERTIFICATION SUMMARY

TestAmerica Seattle

Method	Matrix	Nelac	Washington
NWTPH-Gx/8021B	Water		X

Any abnormalities or departures from sample acceptance policy shall be documented on the 'Sample Receipt and Temperature Log Form' and 'Sample Non-conformance Form' (if applicable) included with this report.

For information concerning certifications of this facility or another TestAmerica facility, please visit our website at www.TestAmericaInc.com

Samples collected by TestAmerica Field Services personnel are noted on the Chain of Custody (COC) .

TestAmerica Seattle

Curtis D. Armstrong, Project Manager

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Sound Environmental Strategies	Project Name:	**Nordic Properties - Port Orchard**	
2400 Airport Way South, Suite 200	Project Number:	0644-001-01	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Terry Montoya	06/16/09 14:42

Notes and Definitions

Report Specific Notes:

None

Laboratory Reporting Conventions:

DET	-	Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only.
ND	-	Analyte NOT DETECTED at or above the reporting limit (MDL or MRL, as appropriate).
NR/NA	-	Not Reported / Not Available
dry	-	Sample results reported on a Dry Weight Basis. Results and Reporting Limits have been corrected for Percent Dry Weight.
wet	-	Sample results and reporting limits reported on a Wet Weight Basis (as received). Results with neither 'wet' nor 'dry' are reported on a Wet Weight Basis.
RPD	-	RELATIVE PERCENT DIFFERENCE (RPDs calculated using Results, not Percent Recoveries).
MRL	-	METHOD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.
MDL*	-	METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B. *MDLs are listed on the report only if the data has been evaluated below the MRL. Results between the MDL and MRL are reported as Estimated Results.
Dil	-	Dilutions are calculated based on deviations from the standard dilution performed for an analysis, and may not represent the dilution found on the analytical raw data.
Reporting Limits	-	Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and percent solids, where applicable.
Electronic Signature	-	Electronic Signature added in accordance with TestAmerica's *Electronic Reporting and Electronic Signatures Policy.* Application of electronic signature indicates that the report has been reviewed and approved for release by the laboratory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

TestAmerica Seattle

Curtis D. Armstrong, Project Manager

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2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 907-563-9200 FAX 563-9210

CHAIN OF CUSTODY REPORT

Work Order #: BSF0100

CLIENT: Nordic Properties

REPORT TO: Terry Montoya SES
ADDRESS: 2400 Airport Way S Seattle WA

PHONE: 206-306-1900 FAX: 206-306-1907

INVOICE TO: Nordic Properties

P.O. NUMBER: 0644-001-01

PROJECT NAME: Nordic Props - Port Orchard - Bay St

PROJECT NUMBER: 0644-001-01

SAMPLED BY: RMT

TURNAROUND REQUEST

in Business Days *

Organic & Inorganic Analyses: [10] STD. | 7 | 5 | 4 | 3 | 2 | 1 | <1

Petroleum Hydrocarbon Analyses: [5] STD. | 4 | 3 | 2 | 1 | <1

OTHER Specify:

* Turnaround Requests less than standard may incur Rush Charges.

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	PRESERVATIVE: HCl	HCl	REQUESTED ANALYSES: TPH-Gx	BTEX 8021										MATRIX (W, S, O)	# OF CONT.	LOCATION/ COMMENTS	TA WO ID
1	MW16-20090608	06/08/09 1446	Y	Y												W	4		-01
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			

RELEASED BY:			RECEIVED BY:		
PRINT NAME: RYAN THOMPSON	FIRM: SES	DATE: 06/09/09 TIME: 1300	PRINT NAME: Francisco Luna, Jr.	FIRM: TASEA	DATE: 6/9/09 TIME: 1300
RELEASED BY:			RECEIVED BY:		
PRINT NAME:	FIRM:	DATE: TIME:	PRINT NAME:	FIRM:	DATE: TIME:

ADDITIONAL REMARKS: @Lab 1600 w/o

TEMP: °C 7.7

PAGE OF

TAL-1000(0408)

TAT: _____ Paperwork to PM – Date:_____ Time:_____ Non-Conformances?

Page Time & Initials:_____ Circle (Y) or N

(If Y, see other side)

TEST AMERICA SAMPLE RECEIPT CHECKLIST

Received By: (applies to temp at receipt) **Logged-in By:** **Unpacked/ Labeled by:** **Label Review by:** ***Cooler ID:*** 321

Date: 6/9/09 Date: 06/10 Date: 6/11 Date 06.11 Work Order No. BSF0100

Time: 1600 Time: 1117 Time: 11:50 Time: 1200 Client: _____

Initials: FL Initials: CW Initials: CW Initials: CW Project: _____

Container Type:

X Cooler

____ Box

____ None/Other _____

COC Seals:

____ Ship Container _____ Sign By

____ On Bottles _____ Date

X None

Packing Material:

X Bubble Bags ____ Styrofoam

____ Foam Packs

FL ____ None/Other _____

Refrigerant:

____ Gel Ice Pack _____

X Loose Ice At bottom

____ None/Other _____

Soil Stir Bars/Encores:

Placed in freezer #46:

Y or N or (NA)

Initial/date/time_____

Received Via: Bill#:

____ Fed Ex ____ Client

____ UPS X TA Courier

____ DHL ____ Mid Valley

____ Senvoy ____ TDP

____ GS ____ Other_____

Cooler Temperature (*IR*): 7.7 °C Plastic ~~Glass~~ (Frozen filters, Tedlars and aqueous Metals exempt)

Temperature Blank? _____°C or (NA) (circle one) comments _____ Trip Blank? Y or (N) or NA

BP, OPLC,ARCO-Temperature monitoring every 15 minutes:

(initial/date/time):_____

Comments:_____

Sample Containers:		ID			ID
Intact?	(Y) or N	_____	Metals Preserved?	Y or N or (NA)	_____
Provided by TA?	(Y) or N	_____	Client QAPP Preserved?	Y or N or (NA)	_____
Correct Type?	(Y) or N	_____	Adequate Volume? (for tests requested)	(Y) or N	_____
#Containers match COC?	(Y) or N	_____	Water VOAs: Headspace?	Y or (N) or NA	_____
IDs/time/date match COC?	(Y) or N	_____	Comments:		
Hold Times in hold?	(Y) or N	_____			

PROJECT MANAGEMENT

Is the Chain of Custody complete? Y or N If N, circle the items that were incomplete

Comments,Problems_____

_____

_____

_____

Total access set up? Y or N

(rev 6, 04/22/09)

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

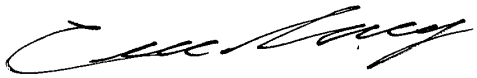
ANALYTICAL REPORT

Job Number: 580-15525-1

Job Description: Port Orchard - Bag St.

For:
Sound Environmental Strategies
2400 Airport Way South
Suite 205
Seattle, WA 98134

Attention: Terry Montoya



Approved for release.
Curtis Armstrong
Project Manager I
9/30/2009 6:35 PM

Curtis Armstrong
Project Manager I
curtis.armstrong@testamericainc.com
09/30/2009

cc: Ryan Thompson

TestAmerica Tacoma is a part of TestAmerica Laboratories, Inc.

The results included in this report have been reviewed for compliance with the laboratory QA/QC plan and meet all requirements of NELAC. All data have been found to be compliant with laboratory protocol, with the exception of any items noted in the case narrative.

Table of Contents

METHOD SUMMARY

Client: Sound Environmental Strategies

Job Number: 580-15525-1

Description	Lab Location	Method	Preparation Method
Matrix Water			
Volatile Organic Compounds (GC/MS)	TAL TAC	SW846 8260B	
Purge and Trap	TAL TAC		SW846 5030B
Northwest - Volatile Petroleum Products (GC)	TAL TAC	NWTPH NWTPH-Gx	
Purge and Trap	TAL TAC		SW846 5030B

Lab References:

TAL TAC = TestAmerica Tacoma

Method References:

NWTPH = Northwest Total Petroleum Hydrocarbon

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

SAMPLE SUMMARY

Client: Sound Environmental Strategies

Job Number: 580-15525-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
580-15525-1	MW16 - 20090917	Water	09/17/2009 1412	09/18/2009 1330

Client: Sound Environmental Strategies | Job Number: 580-15525-1

Client Sample ID: **MW16 - 20090917**

Lab Sample ID: 580-15525-1 | Date Sampled: 09/17/2009 1412
Client Matrix: Water | Date Received: 09/18/2009 1330

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 580-51039		Instrument ID:	TAC043
Preparation:	5030B			Lab File ID:	VB00118387.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Date Analyzed:	09/29/2009 0204			Final Weight/Volume:	5 mL
Date Prepared:	09/29/2009 0204				

Analyte	Result (ug/L)	Qualifier	RL
Benzene	ND		1.0
Toluene	ND		1.0
Ethylbenzene	ND		1.0
m-Xylene & p-Xylene	ND		2.0
o-Xylene	ND		1.0
Naphthalene	ND		1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Fluorobenzene (Surr)	100		80 - 120
Toluene-d8 (Surr)	96		85 - 120
Ethylbenzene-d10	105		80 - 120
Trifluorotoluene (Surr)	87		80 - 120
4-Bromofluorobenzene (Surr)	102		75 - 120

Client: Sound Environmental Strategies | Job Number: 580-15525-1

Client Sample ID: **MW16 - 20090917**

Lab Sample ID: 580-15525-1 | Date Sampled: 09/17/2009 1412
Client Matrix: Water | Date Received: 09/18/2009 1330

NWTPH-Gx Northwest - Volatile Petroleum Products (GC)

Method:	NWTPH-Gx	Analysis Batch: 580-50830		Instrument ID:	SEA008
Preparation:	5030B			Initial Weight/Volume:	5 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Date Analyzed:	09/24/2009 1854			Injection Volume:	
Date Prepared:	09/24/2009 1854			Result Type:	PRIMARY

Analyte	Result (mg/L)	Qualifier	RL
Gasoline	ND		0.050

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	97		50 - 150
Trifluorotoluene (Surr)	105		50 - 150

Client: Sound Environmental Strategies

Job Number: 580-15525-1

Method Blank - Batch: 580-51039

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 580-51039/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/28/2009 1738
Date Prepared: 09/28/2009 1738

Analysis Batch: 580-51039
Prep Batch: N/A
Units: ug/L

Instrument ID: TAC043
Lab File ID: VB00118366.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	RL
Benzene	ND		1.0
Toluene	ND		1.0
Ethylbenzene	ND		1.0
m-Xylene & p-Xylene	ND		2.0
o-Xylene	ND		1.0
Naphthalene	ND		1.0

Surrogate	% Rec	Acceptance Limits
Fluorobenzene (Surr)	99	80 - 120
Toluene-d8 (Surr)	100	85 - 120
Ethylbenzene-d10	111	80 - 120
Trifluorotoluene (Surr)	85	80 - 120
4-Bromofluorobenzene (Surr)	108	75 - 120

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Sound Environmental Strategies

Job Number: 580-15525-1

Lab Control Sample - Batch: 580-51039

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 580-51039/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/28/2009 1803
Date Prepared: 09/28/2009 1803

Analysis Batch: 580-51039
Prep Batch: N/A
Units: ug/L

Instrument ID: TAC043
Lab File ID: VB00118367.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	20.1	21.4	107	80 - 120	
Toluene	20.1	20.0	100	75 - 120	
Ethylbenzene	20.1	20.8	104	75 - 125	
m-Xylene & p-Xylene	40.1	37.1	92	75 - 130	
o-Xylene	19.9	18.3	92	80 - 120	
Naphthalene	20.1	15.4	77	55 - 140	

Surrogate	% Rec	Acceptance Limits
Fluorobenzene (Surr)	103	80 - 120
Toluene-d8 (Surr)	102	85 - 120
Ethylbenzene-d10	109	80 - 120
Trifluorotoluene (Surr)	88	80 - 120
4-Bromofluorobenzene (Surr)	105	75 - 120

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Sound Environmental Strategies

Job Number: 580-15525-1

Method Blank - Batch: 580-50830

Method: NWTPH-Gx
Preparation: 5030B

Lab Sample ID: MB 580-50830/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/24/2009 1609
Date Prepared: 09/24/2009 1609

Analysis Batch: 580-50830
Prep Batch: N/A
Units: mg/L

Instrument ID: SEA008
Lab File ID: I2409013.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	RL
Gasoline	ND		0.050

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene (Surr)	96	50 - 150
Trifluorotoluene (Surr)	103	50 - 150

Lab Control Sample - Batch: 580-50830

Method: NWTPH-Gx
Preparation: 5030B

Lab Sample ID: LCS 580-50830/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/24/2009 1637
Date Prepared: 09/24/2009 1637

Analysis Batch: 580-50830
Prep Batch: N/A
Units: mg/L

Instrument ID: SEA008
Lab File ID: I2409014.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Gasoline	1.00	0.857	86	79 - 110	

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene (Surr)	101	50 - 150
Trifluorotoluene (Surr)	93	50 - 150

Calculations are performed before rounding to avoid round-off errors in calculated results.

Login Sample Receipt Check List

Client: Sound Environmental Strategies

Job Number: 580-15525-1

Login Number: 15525

List Source: TestAmerica Tacoma

Creator: Blankinship, Tom

List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	False	10.6
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Is the Field Sampler's name present on COC?	True	
Sample Preservation Verified	N/A	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

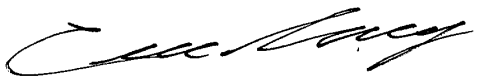
ANALYTICAL REPORT

Job Number: 580-17031-1

Job Description: Nordic Properties:Bay St

For:
Sound Environmental Strategies
2400 Airport Way South
Suite 205
Seattle, WA 98134

Attention: Terry Montoya



Approved for release.
Curtis Armstrong
Project Manager I
12/30/2009 8:53 AM

Curtis Armstrong
Project Manager I
curtis.armstrong@testamericainc.com
12/30/2009

cc: Ryan Thompson

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The results included in this report have been reviewed for compliance with the laboratory QA/QC plan and meet all requirements of NELAC. All data have been found to be compliant with laboratory protocol, with the exception of any items noted in the case narrative.

Table of Contents

METHOD SUMMARY

Client: Sound Environmental Strategies Job Number: 580-17031-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL TAC	SW846 8260B	
Purge and Trap	TAL TAC		SW846 5030B
Northwest - Volatile Petroleum Products (GC)	TAL TAC	NWTPH NWTPH-Gx	
Purge and Trap	TAL TAC		SW846 5030B

Lab References:

TAL TAC = TestAmerica Tacoma

Method References:

NWTPH = Northwest Total Petroleum Hydrocarbon

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

SAMPLE SUMMARY

Client: Sound Environmental Strategies

Job Number: 580-17031-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
580-17031-1	MW16-20091214	Water	12/14/2009 1358	12/15/2009 0920

Client: Sound Environmental Strategies | Job Number: 580-17031-1

Client Sample ID: **MW16-20091214**

Lab Sample ID: 580-17031-1 | Date Sampled: 12/14/2009 1358
Client Matrix: Water | Date Received: 12/15/2009 0920

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 580-55894	Instrument ID: TAC043
Preparation:	5030B		Lab File ID: VB00121453.D
Dilution:	1.0		Initial Weight/Volume: 5 mL
Date Analyzed:	12/21/2009 1740		Final Weight/Volume: 5 mL
Date Prepared:	12/21/2009 1740		

Analyte	Result (ug/L)	Qualifier	RL
Benzene	ND	*	1.0
Toluene	ND		1.0
Ethylbenzene	ND		1.0
m-Xylene & p-Xylene	ND		2.0
o-Xylene	ND		1.0
Naphthalene	ND		1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Fluorobenzene (Surr)	115		80 - 120
Toluene-d8 (Surr)	100		85 - 120
Ethylbenzene-d10	94		80 - 120
Trifluorotoluene (Surr)	89		80 - 120
4-Bromofluorobenzene (Surr)	91		75 - 120

Client: Sound Environmental Strategies | Job Number: 580-17031-1

Client Sample ID: **MW16-20091214**

Lab Sample ID: 580-17031-1 | Date Sampled: 12/14/2009 1358
Client Matrix: Water | Date Received: 12/15/2009 0920

NWTPH-Gx Northwest - Volatile Petroleum Products (GC)

Method:	NWTPH-Gx	Analysis Batch: 580-55930		Instrument ID:	SEA008
Preparation:	5030B			Initial Weight/Volume:	5 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Date Analyzed:	12/21/2009 1622			Injection Volume:	
Date Prepared:	12/21/2009 1622			Result Type:	PRIMARY

Analyte	Result (mg/L)	Qualifier	RL
Gasoline	ND		0.050

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	97		50 - 150
Trifluorotoluene (Surr)	112		50 - 150

DATA REPORTING QUALIFIERS

Client: Sound Environmental Strategies Job Number: 580-17031-1

Lab Section	Qualifier	Description
GC/MS VOA		
	*	LCS or LCSD exceeds the control limits
	X	Surrogate exceeds the control limits

Client: Sound Environmental Strategies

Job Number: 580-17031-1

Method Blank - Batch: 580-55894

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 580-55894/6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/21/2009 1048
Date Prepared: 12/21/2009 1048

Analysis Batch: 580-55894
Prep Batch: N/A
Units: ug/L

Instrument ID: TAC043
Lab File ID: VB00121441.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	RL
Benzene	ND		1.0
Toluene	ND		1.0
Ethylbenzene	ND		1.0
m-Xylene & p-Xylene	ND		2.0
o-Xylene	ND		1.0
Naphthalene	ND		1.0

Surrogate	% Rec		Acceptance Limits
Fluorobenzene (Surr)	113		80 - 120
Toluene-d8 (Surr)	100		85 - 120
Ethylbenzene-d10	97		80 - 120
Trifluorotoluene (Surr)	74	X	80 - 120
4-Bromofluorobenzene (Surr)	91		75 - 120

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Sound Environmental Strategies

Job Number: 580-17031-1

Lab Control Sample - Batch: 580-55894

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 580-55894/7
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/21/2009 1318
Date Prepared: 12/21/2009 1318

Analysis Batch: 580-55894
Prep Batch: N/A
Units: ug/L

Instrument ID: TAC043
Lab File ID: VB00121442.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	20.1	25.0	125	80 - 120	*
Toluene	20.1	20.3	101	75 - 120	
Ethylbenzene	20.1	22.2	110	75 - 125	
m-Xylene & p-Xylene	40.1	44.9	112	75 - 130	
o-Xylene	19.9	21.3	107	80 - 120	
Naphthalene	20.1	15.8	79	55 - 140	

Surrogate	% Rec	Acceptance Limits
Fluorobenzene (Surr)	109	80 - 120
Toluene-d8 (Surr)	102	85 - 120
Ethylbenzene-d10	102	80 - 120
Trifluorotoluene (Surr)	88	80 - 120
4-Bromofluorobenzene (Surr)	97	75 - 120

Calculations are performed before rounding to avoid round-off errors in calculated results.

Method Blank - Batch: 580-55930

Method: NWTPH-Gx
Preparation: 5030B

Lab Sample ID: MB 580-55930/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/21/2009 1333
Date Prepared: 12/21/2009 1333

Analysis Batch: 580-55930
Prep Batch: N/A
Units: mg/L

Instrument ID: SEA008
Lab File ID: L2109004.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	RL
Gasoline	ND		0.050

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene (Surr)	100	50 - 150
Trifluorotoluene (Surr)	112	50 - 150

Lab Control Sample - Batch: 580-55930

Method: NWTPH-Gx
Preparation: 5030B

Lab Sample ID: LCS 580-55930/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/21/2009 1400
Date Prepared: 12/21/2009 1400

Analysis Batch: 580-55930
Prep Batch: N/A
Units: mg/L

Instrument ID: SEA008
Lab File ID: L2109005.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Gasoline	1.00	0.982	98	79 - 110	

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene (Surr)	104	50 - 150
Trifluorotoluene (Surr)	106	50 - 150

Calculations are performed before rounding to avoid round-off errors in calculated results.

Login Sample Receipt Check List

Client: Sound Environmental Strategies

Job Number: 580-17031-1

Login Number: 17031

List Source: TestAmerica Tacoma

Creator: Gamble, Cathy

List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Is the Field Sampler's name present on COC?	False	
Sample Preservation Verified	N/A	