

Limited Phase II Site Assessment
Cleanup Report - Soil Extraction for PCE

December 20, 2012

Prepared for: Helena Lee

One Stop Laundry
1610 Bay Street
Port Orchard, WA.98366

Prepared by: Kevin Wilkerson

WA. State Site Assessor
5012674-U7

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Enclosed

Appendix A - Analytical

1.0 Executive Summary

Northwest Environmental Solutions, Inc. (NES) has conducted a Limited Environmental Site Assessment (ESA) for the subject property One Stop Laundry, Inc. located at 1610 Bay Street Port Orchard, WA. 98366. The site had been previously tested by KEE Environmental and located soil samples contained in one area above MTCA clean up levels. The soil borings were taken at 2-4' depths on June 11, 2012 the soil was contaminated with (PCE) Tetrachloroethene. NES proceeded to take additional samples at the request of Helena Lee. Inquires or further information regarding this report, the presentation of the information and the interpretation of the data should be referred to Mr. Wilkerson, of NES, Inc.

ASTM E 1527-05 Section 1.1.1 *Recognized Environmental Conditions* – The term *recognized environmental conditions* (REC) means the presence or likely presence of any *hazardous substances* or *petroleum products* on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any *hazardous substances* or *petroleum products* into structures on the *property* or into the ground, groundwater, or surface water on the *property*. The term includes hazardous substances or *petroleum products* even under conditions in compliance with laws. The term is not intended to include *de minimis* conditions that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be *de minimis* are not recognized environmental conditions.

Mr. Kevin Wilkerson, Washington State Registered Site Assessor performed the visual, physical and photographic field inspection, soil collection and review. Mr. Wilkerson compiled and submitted the final report on July 24, 2012. Inquires or further information regarding this report, the presentation of the information and the interpretation of the data should be referred to Mr. Wilkerson, NES Environmental Projects Manager and Mr. George Webster – Registered P.E.

2.0 Introduction

Our purpose is to conduct an appropriate inquiry into the previous ownership and uses of the subject property consistent with good commercial or customary practices as defined in CERCLA 242 Section 9601 (35)(B). Appropriate inquiry includes the investigation of the subject property for recognized environmental conditions in terms of hazardous waste or petroleum products existing within the study area, and the determination of the potential sources for and likelihood of hazardous materials migrating onto the subject property from adjoining properties. As per the publication ASTM E 1527-00, a hazardous substance is defined pursuant to CERCLA 42 Section USC 9601(14) as interpreted by EPA regulations and any applicable litigating agencies. For the purposes of this study, recognized environmental conditions are defined as the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release or a material threat of a release on any hazardous substances or petroleum products in the structures on the property or into the ground, ground water or surface water of the property. The term includes a hazardous substances or petroleum products even under conditions in compliance with laws.

The term is not intended to include de minimus conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of enforcement action if brought to the attention of appropriate government agencies. Put simply, a hazardous substance refers to a wide variety of biological, chemical or radioactive substances which pose health and safety risks to humans, the environment, vegetation or wildlife; the release of which through spill, incineration, etc. would result in contamination.

2.1 Scope of Work

The environmental assessment of the subject property included a review of aerial photographs; interviews with knowledgeable site contacts; a review of past inspection, investigation or report relating to hazardous materials spills, storage, usage and transport; a review of underground storage tank; the visual inspection of the property and adjoining properties and all improvements thereon.

NES, Inc. performed the visual, physical, photographic field inspection, soil collection and review. We complied and submitted the final report on December 20, 2012. Inquires or further information regarding this report, the presentation of the information and the interpretation of the data should be referred to Mr. Wilkerson, of NES, Inc.

- Perform (1) Site Assessment;
- Collect soil samples – PCE and 8260 B
- Submitting soil samples for laboratory analysis; and
- Excavate the original contaminated site of origin; and
- Transport contaminated soil to Arlington Oregon; and
- Preparing this report and summarizing our observations and findings

This report is generated to define the condition of the specified properties with respect to subsurface contamination and compliance with current Department of Ecology regulation pursuant to WAC 173-360 Underground Storage Tank Regulations. Information presented in this report was obtained from combination of a general site inspection and information provided from the DOE Database research and subsurface soil sampling. This site is not listed as a contaminated site on DOE ISIS Date Base.

Site Information: The subject site consists of approximate 0.6 acres of developed parcel located on the northeast section of Bay Street and Guy Wetzel Street on Port Orchard, WA the property was built in 1968. The site has a one story single building used as a shopping strip including a laundry facility.

2.2.2 Subsurface Soil Sampling

The samples were advanced with a concord drill using Geo-probe tools to remove the samples. The soil is Urban Land-Alderwood complex. Map unit symbol is 63 – Urban Land – Alderwood complex, 0-8% slopes. Typical profile of the site is 0-1 inches: Very gravelly sandy loam, 1-22 inches; Very Gravelly loam, 22-60 inches; Very gravelly sandy loam. Water was not encountered below surface grade this location; soil samples were collected and placed in four-ounce glass jars, which were laboratory-certified. The water was sampled using a peristaltic pump, the samples were placed into the jars, leaving no headspace, labeled and placed into a zip-lock bag, placed into a cooler with ice-substitute. The cooler was delivered to Spectra Laboratories – Tacoma, WA. for analysis using the proper “chain-of-custody” protocols.

3.0 Site Description

The site descriptions that follow are a result of the site reconnaissance consisting of photographic documentation as well as visual and physical surveys. In addition, reviews of reasonable ascertainable record from publicly available standard environmental were conducted.

Site Location	1610 Bay Street Port Orchard, WA. 98366
LEGAL	LOT 3 EXCEPT THE SOUTH 20 FEET, LOTS 4 TO 7 AND LOT 8 EXCEPT THE NORTHERLY 20 FEET, BLOCK 3 ANNAPOLIS AS PER PLAT RECORDED IN VOLUME 1 OF PLATS PAGE 64, RECORDS OF KITSAP COUNTY, WASHINGTON. AND LOTS 6 AND 7, BLOCK 1, ANNAPOLIS, AS PER PLAT RECORDED IN VOLUME 1 OF PLATS, PAGE 64, RECORDS OF KITSAP COUNTY AUDITOR; SITUATE IN THE CITY OF PORT ORCHARD, COUNTY OF KITSAP, STATE OF WASHINGTON
Present Use	Laundry – combined use
Approximate Depth to Ground Water	>10'
Soil Classification	SM – GC Mix

3.1 Topographic and Geologic Map Interpretation NA

4.0 Historical Background Review - NA

The historical review included assessing property history and reviewing local, state and federal regulatory agency records.

4.1.1 Site History

One Stop Laundry

4.1.2 Kitsap County Assessor's Records

NA

4.1.3 Street Directories

NA

4.1.4 Sanborn Maps

NA

4.1.5 Aerial Photograph

NA

5.0 Local Regulatory Agency Interface

A review of local regulatory agency records was conducted to help determine if hazardous materials have been handled, stored or generated on the subject site and /or the adjacent properties and businesses.

5.1.1 Kitsap County Health District

NA

5.1.2 Washington State Department of Ecology

NA – NES was going to use the contained out method – process was not approved in time – Method “Arlington” disposal.

5.1.3 Kitsap County Fire Department

City of Renton has jurisdiction for fire protection for the subject site and the immediate vicinity.

5.1.4 Potable Water Source

NA

5.1.5 Sewer Disposal System

NA

5.1.6 Regulatory Agency List Review

NA

The following databases were reviewed for this assessment: NA – Original Phase I by ENCON.

NPL Listing, RODS, RCRIS-Generator Listing, RCRA-TSD Facilities Listings, RCRA-Corrupts Facilities Listing, CERCLIS Listing, CERCLIS NFRAP Listing, ERNS, CSCSL, UST, LUST, ICR, SWF/LF

6.0 Standard Environmental Records - NA

7.0 Additional Environmental Records – NA

8.0 Analytical Results For Soil

Date	Sample #	Soil Water	"PCE" Tetrachloroethene						
07/24/12	1SB #4	Soil	0.522 mg/Kg						
07/24/12	2SB #5	Soil	0.315 mg/Kg						
07/24/12	3SB #6	Soil	0.357 mg/Kg						
08/17/12	5SB	Soil	0.075 mg/Kg						
08/17/12	6SB	Soil	<0.025 mg/Kg	Removed 35 Tons of soil bottom samples					
08/17/12	7SB	Soil	0.015 mg/Kg	Removed 35 Tons of soil bottom samples					
08/17/12	8SB	Soil	0.150 mg/Kg						

Limits: 0.05 mg/Kg

BOLDED Results = Above Cleanup Standards

Clean Up Standards for Soil Clean Up Standards for Water ND = Non Detect SC- See Comments

Comments: Excavated and removed 35 tons**9.0 Site Reconnaissance**

A site reconnaissance, which included a visual observation of the subject site and surrounding properties, was conducted by a representative on NES on July 24, 2012. The objective of the site reconnaissance is to obtain information indicating the likelihood of identifying recognized environmental conditions, including hazardous substances and petroleum product, in connection with the property.

9.1.1 Observations

Table III summarizes conditions encountered during our site reconnaissance, which included the site and surrounding lots, but no indoor observations of any surrounding property's buildings. Refer to the photographs following text for the locations of items discussed in this section of the report. At the time of the site visit the following observations were made: Gas in the interstitial space; Determining the presence of USTs is considered essential in assessing potential contamination sources. Visual inspection and the review of tank registration records are used to determine the possible existence of past and present USTs in the area of the subject property. It must be noted however, that the absence of certain site conditions or lack of past records may restrict or prevent the determination of the number and contents of USTs on the subject property. No stained soil or stressed vegetation was observed on the property.

A visual reconnaissance of the surrounding area was conducted, which revealed that subject property. The visual showed no chemical or other hazardous materials appeared to be stored outside an of the surrounding facilities.

9.1.2 Summary of Site Reconnaissance

Table III

Features	Observed	Not Observed
Structures (Existing)	X	
Evidence of present uses	X	
Hazardous substances and/or petroleum products		X
Existing contaminated area – Work area	X – To be test, excavated	
Underground Storage Tanks (UST's)		X
Pools of liquid likely to be hazardous		X
Drums		X
Unidentified substance containers		X
Subsurface hydraulic equipment		X
Stains or corrosion on floors, walls or ceilings		X
Floor drains and sumps		X
Pits, ponds or lagoons		X
Stained soil and/or pavement		X
Stressed Vegetation		X
Waste or wastewater discharges to surface waters on subject site (including storm water)		X
Wells (irrigation, domestic, dry, injection, abandoned, monitoring Wells)		X
Oil Water Separator		X

10.0 Adjacent Street and Property Usage

Commercial / Residential

11.0 Discussion of Findings

See conclusions

11.1.1 On-Site Environmental Concerns

Based on the information gathered and on observation made during this investigation, this Limited Environmental Site Assessment has revealed soil impacts on the subject property. The soil was over excavated and disposed properly.

12.0 Conclusions

NES has conducted a Limited ESA for the subject site property "One Stop Laundry". It's the professional opinion of (NES) Northwest Environmental Solutions that we have performed an appropriate level of inquiry and detailed cleanup for the subject property for the and uses of the property consistent with good commercial and customary proactive in an effort to minimize liability, as of December 20, 2012. NES sampled, excavated 35 tons of PCE contaminated soil from the previous Phase II performed by KEE Environmental. The soil was generated and hauled off by Allied Waste Seattle-Oregon. Generator ID No. WAD988478921 – Waste code: F002; tonnage 35. We re-sampled on excavation bottom to establish samples were below MTCA levels. Note: Groundwater was not encounter at the time of excavation - *All final soil samples are below MTCA Cleanup Levels.*

12.1 Recommendations – None

13.0 Limitation

The opinion expressed herein is based on the information collected during our study, our present understanding of the site conditions and our professional judgment in light of such information at the time of preparation of this opinion. The report is a professional opinion work, and no warrant is either expressed, implied or made as to the conclusions, advice and recommendations offered in this report.

The interpretations and conclusions contained in this report are based on the results of laboratory tests and analysis intended to detect the presence and concentration of certain chemical constituents in samples taken from the subject property. Consultant has no involvement in, or control over, such testing and analysis and has no non-laboratory means of confirming the accuracy of such laboratory results. Consultant, therefore, disclaims any responsibility for any inaccuracy in such laboratory results.

The findings, conclusions and recommendations in the report are considered valid as of the present date. However, changes in the conditions of the property can occur with the passage of time, due to natural process or the works of man on this or adjacent properties. In addition, changes in applicable or appropriate standard may occur. Accordingly, portions of this report may be invalidated wholly or partially by the changes beyond our control.

If you have any questions or if we can be of further assistance, please do not hesitate to contact office at (253)241-6213

Respectfully submitted;

Kevin Wilkerson – RSA # 5012674-U7. Exp 07/02/13

Northwest Environmental Solutions, Inc.



SPECTRA Laboratories

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08/21/2012

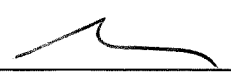
Northwest Environmental Solutions, Inc
PO Box 1583
Sumner, WA 98390

Project: One Stop Laundry
Client ID: 5SB-NE
Sample Matrix: Soil
Date Sampled: 08/17/2012
Date Received: 08/20/2012
Spectra Project: 2012080368
Spectra Number: 1
Rush

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>
Tetrachloroethene	0.075	mg/Kg	SW846 8260C

<u>Surrogate</u>	<u>Recovery</u>	<u>Method</u>
1,2-Dichloroethane-d4	84	SW846 8260C
Dibromofluoromethane	87	SW846 8260C
Toluene-d8	97	SW846 8260C
4-Bromofluorobenzene	99	SW846 8260C

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Steve Hibbs, Laboratory Manager
a6/mkw



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08/21/2012


Northwest Environmental Solutions, Inc
PO Box 1583
Sumner, WA 98390

Project: One Stop Laundry
Client ID: 6SB-N
Sample Matrix: Soil
Date Sampled: 08/17/2012
Date Received: 08/20/2012
Spectra Project: 2012080368
Spectra Number: 2
Rush

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>
Tetrachloroethene	<0.025	mg/Kg	SW846 8260C

<u>Surrogate</u>	<u>Recovery</u>	<u>Method</u>
1,2-Dichloroethane-d4	83	SW846 8260C
4-Bromofluorobenzene	100	SW846 8260C
Toluene-d8	98	SW846 8260C
Dibromofluoromethane	90	SW846 8260C

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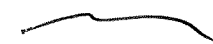
Northwest Environmental Solutions, Inc
PO Box 1583
Sumner, WA 98390

Project: One Stop Laundry
Client ID: 7SB-S
Sample Matrix: Soil
Date Sampled: 08/17/2012
Date Received: 08/20/2012
Spectra Project: 2012080368
Spectra Number: 3
Rush

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>
Tetrachloroethene	<0.025	mg/Kg	SW846 8260C

<u>Surrogate</u>	<u>Recovery</u>	<u>Method</u>
1,2-Dichloroethane-d4	84	SW846 8260C
4-Bromofluorobenzene	98	SW846 8260C
Toluene-d8	98	SW846 8260C
Dibromofluoromethane	87	SW846 8260C

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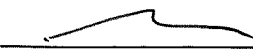
Northwest Environmental Solutions, Inc
PO Box 1583
Sumner, WA 98390

Project: One Stop Laundry
Client ID: 8SB-C
Sample Matrix: Soil
Date Sampled: 08/17/2012
Date Received: 08/20/2012
Spectra Project: 2012080368
Spectra Number: 4
Rush

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>
Tetrachloroethene	0.150	mg/Kg	SW846 8260C

<u>Surrogate</u>	<u>Recovery</u>	<u>Method</u>
1,2-Dichloroethane-d4	85	SW846 8260C
4-Bromofluorobenzene	101	SW846 8260C
Toluene-d8	97	SW846 8260C
Dibromofluoromethane	90	SW846 8260C

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CHAIN of CUSTODY

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STANDARD ☐ RUSH ☒

CLIENT: NES, Inc		ADDRESS: POB 1583 Sumner, WA. 98390		ADDRESS CHANGE	
PROJECT: One Stop Laundry		ORGANICS		METALS	
CONTACT: Kevin Wilkerson		8260/624 VOA		TOTAL METALS RCRA 8	
PHONE: 253-241-6213 FAX: 360-872-0699		8260 CHLOR SOLVENTS		TOTAL METALS (SPECIFY)	
e-MAIL: nesinc@hotmail.com		8270 PAH/PNA		TCLP METALS RCRA 8	
PURCHASE ORDER #		8270/625 SEMI VOA		TCLP METALS (SPECIFY)	
		1664 SGT-HCM (TPH)		BOD	
		1664 HEM (FOG)		FLASH POINT	
		NM/TPH-DX		TURBIDITY	
		NM/TPH-G		TX/TOX 9076	
		BTEX/NM/TPH-G		PH 9040/9045	
		BTEX			
		NM/TPH-HCID			
NUMBER OF CONTAINERS		HYDROCARBONS		OTHER	
SAMPLE ID	DATE SAMPLED	TIME SAMPLED	MATRIX		
1 5SB-NE	08/17/12	13:49	Soil		
2 6SB-N	"	14:30	"		
3 7SB-S	"	15:01	"		
4 8SB-C	"	15:45	"		
5					
6					
7					
8					
9					
0					
SPECIAL INSTRUCTIONS/COMMENTS:			PRINTED NAME		DATE
PC E #8260 RELINQUISHED BY: <i>Kevin Wilkerson</i> RECEIVED BY: <i>Marie Holt</i> RELINQUISHED BY: <i>Marie Holt</i> RECEIVED BY:			NES, Inc.		08/20/12 10:42 A
			Kevin Wilkerson		8-20-12 10:45
RETURN SAMPLES <input type="checkbox"/> DISPOSE SAMPLES <input type="checkbox"/>			Payment Terms: Net 30 days. Past due accounts subject to 1 1/2 % per month interest. Customer agrees to pay all costs of collection including reasonable attorney's fees and all other costs of collection regardless of whether suit is filed in Pierce Co., WA venue. Spectra Analytical, Inc.		



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08/24/2012

Northwest Environmental Solutions, Inc
PO Box 1583
Sumner, WA 98390


P.O.#: *
Project: One Stop Laundry
Client ID: 5-C
Sample Matrix: Soil
Date Sampled: 08/23/2012
Date Received: 08/23/2012
Spectra Project: 2012080465
Spectra Number: 1

Rush

Analyte	Result	Units	Method	Analyte	Result	Units	Method
1,1,1,2-Tetrachloroethane	<0.012	mg/Kg	SW846 8260C	2-Butanone (MEK)	<0.125	mg/Kg	SW846 8260C
1,1,1-Trichloroethane	<0.012	mg/Kg	SW846 8260C	2-Chlorotoluene	<0.012	mg/Kg	SW846 8260C
1,1,2,2-Tetrachloroethane	<0.012	mg/Kg	SW846 8260C	2-Hexanone (MBK)	<0.125	mg/Kg	SW846 8260C
1,1,2-Trichloroethane	<0.012	mg/Kg	SW846 8260C	4-Chlorotoluene	<0.012	mg/Kg	SW846 8260C
1,1-Dichloroethane	<0.012	mg/Kg	SW846 8260C	4-Isopropyltoluene	<0.012	mg/Kg	SW846 8260C
1,1-Dichloroethene	<0.012	mg/Kg	SW846 8260C	4-methyl-2-pentanone	<0.125	mg/Kg	SW846 8260C
1,1-Dichloropropene	<0.012	mg/Kg	SW846 8260C	Acetone	<0.125	mg/Kg	SW846 8260C
1,2,3-Trichlorobenzene	<0.012	mg/Kg	SW846 8260C	Acrolein	<0.125	mg/Kg	SW846 8260C
1,2,3-Trichloropropane	<0.012	mg/Kg	SW846 8260C	Acrylonitrile	<0.125	mg/Kg	SW846 8260C
1,2,4-Trichlorobenzene	<0.012	mg/Kg	SW846 8260C	Benzene	<0.012	mg/Kg	SW846 8260C
1,2,4-Trimethylbenzene	<0.012	mg/Kg	SW846 8260C	Bromobenzene	<0.012	mg/Kg	SW846 8260C
1,2-Dibromo3Chloropropane	<0.125	mg/Kg	SW846 8260C	Bromochloromethane	<0.012	mg/Kg	SW846 8260C
1,2-Dibromoethane (EDB)	<0.012	mg/Kg	SW846 8260C	Bromodichloromethane	<0.012	mg/Kg	SW846 8260C
1,2-Dichlorobenzene	<0.012	mg/Kg	SW846 8260C	Bromoform	<0.012	mg/Kg	SW846 8260C
1,2-Dichloroethane	<0.012	mg/Kg	SW846 8260C	Bromomethane	<0.012	mg/Kg	SW846 8260C
1,2-Dichloropropane	<0.012	mg/Kg	SW846 8260C	Carbon Tetrachloride	<0.012	mg/Kg	SW846 8260C
1,3,5-Trimethylbenzene	<0.012	mg/Kg	SW846 8260C	Chlorobenzene	<0.012	mg/Kg	SW846 8260C
1,3-Dichlorobenzene	<0.012	mg/Kg	SW846 8260C	Chlorodibromomethane	<0.012	mg/Kg	SW846 8260C
1,3-Dichloropropane	<0.012	mg/Kg	SW846 8260C	Chloroethane	<0.012	mg/Kg	SW846 8260C
1,4-Dichlorobenzene	<0.012	mg/Kg	SW846 8260C	Chloroform	<0.012	mg/Kg	SW846 8260C
2,2-Dichloropropane	<0.012	mg/Kg	SW846 8260C	Chloromethane	<0.012	mg/Kg	SW846 8260C

Surrogate	Recovery	Method
1,2-Dichloroethane-d4	88	SW846 8260C
4-Bromofluorobenzene	95	SW846 8260C
Dibromofluoromethane	97	SW846 8260C
Toluene-d8	95	SW846 8260C

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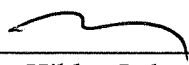
P.O.#: *
Project: One Stop Laundry
Client ID: 5-C
Sample Matrix: Soil
Date Sampled: 08/23/2012
Date Received: 08/23/2012
Spectra Project: 2012080465
Spectra Number: 1
Rush

Analyte	Result	Units	Method
Dibromomethane	<0.012	mg/Kg	SW846 8260C
Dichlorodifluoromethane	<0.012	mg/Kg	SW846 8260C
Ethylbenzene	<0.012	mg/Kg	SW846 8260C
Hexachlorobutadiene	<0.012	mg/Kg	SW846 8260C
Isopropylbenzene	<0.012	mg/Kg	SW846 8260C
Methyl-tert-Butyl Ether	<0.012	mg/Kg	SW846 8260C
Methylene chloride	<0.012	mg/Kg	SW846 8260C
Naphthalene	<0.012	mg/Kg	SW846 8260C
Styrene	<0.012	mg/Kg	SW846 8260C
Tetrachloroethene	<0.012	mg/Kg	SW846 8260C
Toluene	<0.012	mg/Kg	SW846 8260C
Total Xylenes	<0.025	mg/Kg	SW846 8260C
Trichloroethene	<0.012	mg/Kg	SW846 8260C
Trichlorofluoromethane	<0.012	mg/Kg	SW846 8260C
Vinyl Acetate	<0.125	mg/Kg	SW846 8260C
Vinyl chloride	<0.012	mg/Kg	SW846 8260C
cis-1,2-Dichloroethene	<0.012	mg/Kg	SW846 8260C
cis-1,3-Dichloropropene	<0.012	mg/Kg	SW846 8260C
n-Butylbenzene	<0.012	mg/Kg	SW846 8260C
n-Propylbenzene	<0.012	mg/Kg	SW846 8260C
sec-Butylbenzene	<0.012	mg/Kg	SW846 8260C

Analyte	Result	Units	Method
tert-Butylbenzene	<0.012	mg/Kg	SW846 8260C
trans-1,2-Dichloroethene	<0.012	mg/Kg	SW846 8260C
trans-1,3-Dichloropropene	<0.012	mg/Kg	SW846 8260C

Surrogate	Recovery	Method
1,2-Dichloroethane-d4	88	SW846 8260C
4-Bromofluorobenzene	95	SW846 8260C
Dibromofluoromethane	97	SW846 8260C
Toluene-d8	95	SW846 8260C

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager
a14/sgh



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08/24/2012


Northwest Environmental Solutions, Inc
PO Box 1583
Sumner, WA 98390

P.O.#: *
Project: One Stop Laundry
Client ID: 6-NE
Sample Matrix: Soil
Date Sampled: 08/23/2012
Date Received: 08/23/2012
Spectra Project: 2012080465
Spectra Number: 2
Rush

Analyte	Result	Units	Method	Analyte	Result	Units	Method
1,1,1,2-Tetrachloroethane	<0.012	mg/Kg	SW846 8260C	2-Butanone (MEK)	<0.125	mg/Kg	SW846 8260C
1,1,1-Trichloroethane	<0.012	mg/Kg	SW846 8260C	2-Chlorotoluene	<0.012	mg/Kg	SW846 8260C
1,1,2,2-Tetrachloroethane	<0.012	mg/Kg	SW846 8260C	2-Hexanone (MBK)	<0.125	mg/Kg	SW846 8260C
1,1,2-Trichloroethane	<0.012	mg/Kg	SW846 8260C	4-Chlorotoluene	<0.012	mg/Kg	SW846 8260C
1,1-Dichloroethane	<0.012	mg/Kg	SW846 8260C	4-Isopropyltoluene	<0.012	mg/Kg	SW846 8260C
1,1-Dichloroethene	<0.012	mg/Kg	SW846 8260C	4-methyl-2-pentanone	<0.125	mg/Kg	SW846 8260C
1,1-Dichloropropene	<0.012	mg/Kg	SW846 8260C	Acetone	<0.125	mg/Kg	SW846 8260C
1,2,3-Trichlorobenzene	<0.012	mg/Kg	SW846 8260C	Acrolein	<0.125	mg/Kg	SW846 8260C
1,2,3-Trichloropropane	<0.012	mg/Kg	SW846 8260C	Acrylonitrile	<0.125	mg/Kg	SW846 8260C
1,2,4-Trichlorobenzene	<0.012	mg/Kg	SW846 8260C	Benzene	<0.012	mg/Kg	SW846 8260C
1,2,4-Trimethylbenzene	<0.012	mg/Kg	SW846 8260C	Bromobenzene	<0.012	mg/Kg	SW846 8260C
1,2-Dibromo3Chloropropane	<0.125	mg/Kg	SW846 8260C	Bromochloromethane	<0.012	mg/Kg	SW846 8260C
1,2-Dibromoethane (EDB)	<0.012	mg/Kg	SW846 8260C	Bromodichloromethane	<0.012	mg/Kg	SW846 8260C
1,2-Dichlorobenzene	<0.012	mg/Kg	SW846 8260C	Bromoform	<0.012	mg/Kg	SW846 8260C
1,2-Dichloroethane	<0.012	mg/Kg	SW846 8260C	Bromomethane	<0.012	mg/Kg	SW846 8260C
1,2-Dichloropropane	<0.012	mg/Kg	SW846 8260C	Carbon Tetrachloride	<0.012	mg/Kg	SW846 8260C
1,3,5-Trimethylbenzene	<0.012	mg/Kg	SW846 8260C	Chlorobenzene	<0.012	mg/Kg	SW846 8260C
1,3-Dichlorobenzene	<0.012	mg/Kg	SW846 8260C	Chlorodibromomethane	<0.012	mg/Kg	SW846 8260C
1,3-Dichloropropane	<0.012	mg/Kg	SW846 8260C	Chloroethane	<0.012	mg/Kg	SW846 8260C
1,4-Dichlorobenzene	<0.012	mg/Kg	SW846 8260C	Chloroform	<0.012	mg/Kg	SW846 8260C
2,2-Dichloropropane	<0.012	mg/Kg	SW846 8260C	Chloromethane	<0.012	mg/Kg	SW846 8260C

Surrogate	Recovery	Method
1,2-Dichloroethane-d4	85	SW846 8260C
4-Bromofluorobenzene	99	SW846 8260C
Dibromofluoromethane	95	SW846 8260C
Toluene-d8	95	SW846 8260C

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager
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Page 3 of 4



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08/24/2012

Northwest Environmental Solutions, Inc
PO Box 1583
Sumner, WA 98390

P.O.#: *
Project: One Stop Laundry
Client ID: 6-NE
Sample Matrix: Soil
Date Sampled: 08/23/2012
Date Received: 08/23/2012
Spectra Project: 2012080465
Spectra Number: 2


Rush

Analyte	Result	Units	Method
Dibromomethane	<0.012	mg/Kg	SW846 8260C
Dichlorodifluoromethane	<0.012	mg/Kg	SW846 8260C
Ethylbenzene	<0.012	mg/Kg	SW846 8260C
Hexachlorobutadiene	<0.012	mg/Kg	SW846 8260C
Isopropylbenzene	<0.012	mg/Kg	SW846 8260C
Methyl-tert-Butyl Ether	<0.012	mg/Kg	SW846 8260C
Methylene chloride	<0.012	mg/Kg	SW846 8260C
Naphthalene	<0.012	mg/Kg	SW846 8260C
Styrene	<0.012	mg/Kg	SW846 8260C
Tetrachloroethene	<0.012	mg/Kg	SW846 8260C
Toluene	<0.012	mg/Kg	SW846 8260C
Total Xylenes	<0.025	mg/Kg	SW846 8260C
Trichloroethene	<0.012	mg/Kg	SW846 8260C
Trichlorofluoromethane	<0.012	mg/Kg	SW846 8260C
Vinyl Acetate	<0.125	mg/Kg	SW846 8260C
Vinyl chloride	<0.012	mg/Kg	SW846 8260C
cis-1,2-Dichloroethene	<0.012	mg/Kg	SW846 8260C
cis-1,3-Dichloropropene	<0.012	mg/Kg	SW846 8260C
n-Butylbenzene	<0.012	mg/Kg	SW846 8260C
n-Propylbenzene	<0.012	mg/Kg	SW846 8260C
sec-Butylbenzene	<0.012	mg/Kg	SW846 8260C

Analyte	Result	Units	Method
tert-Butylbenzene	<0.012	mg/Kg	SW846 8260C
trans-1,2-Dichloroethene	<0.012	mg/Kg	SW846 8260C
trans-1,3-Dichloropropene	<0.012	mg/Kg	SW846 8260C

Surrogate	Recovery	Method
1,2-Dichloroethane-d4	85	SW846 8260C
4-Bromofluorobenzene	99	SW846 8260C
Dibromofluoromethane	95	SW846 8260C
Toluene-d8	95	SW846 8260C

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager
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August 24, 2012

Northwest Environmental Solutions, Inc.
P.O. Box 1583
Sumner, WA 98390


Sample Matrix: Water
EPA Method: 624/8260C
Spectra Project: 2012080465
Date Analyzed: 8/23/2012
Units: ug/L
Applies to Spectra #'s: #1-2
Spiked Sample 2012080464-1

GCMS VOLATILE ORGANIC ANALYSIS
Matrix Spike/ Matrix Spike Duplicate Results

COMPOUND	SAMPLE RESULT	SPIKE AMOUNT	MS RESULT	MS %REC	MSD RESULT	MSD %REC	RPD
1,1-Dichloroethene	<1	10.00	9.62	96	9.31	93	3
Benzene	<1	10.00	8.90	89	9.07	91	2
Trichloroethene	<1	10.00	9.46	95	9.27	93	2
Toluene	<1	10.00	9.55	96	9.72	97	2
Chlorobenzene	<1	10.00	9.50	95	9.29	93	2
(Results after dilution)							

Surrogates

	MS	MSD
Dibromofluoromethane	95	97
1,2-Dichloroethane-d4	86	86
Toluene-d8	97	98
4-Bromofluorobenzene	92	91



Steven G. Hibbs
Laboratory Manager



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August 24, 2012

Northwest Environmental Solutions, Inc.
P.O. Box 1583
Sumner, WA 98390

Sample ID: **Method Blank**
Project:
Sample Matrix: **Soil**
Spectra Project: **2012080465**

Methanolic Extraction

Date Received: 8/23/2012
Date Analyzed: 8/23/2012
Sample Weight (g): 5.00
< = less than
Applies to: #1-2

VOLATILE ORGANIC ANALYSIS:

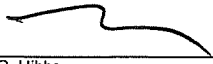
Compound	mg/Kg Dry wt.
Acetone	< 0.125
Benzene	< 0.013
Bromobenzene	< 0.013
Bromochloromethane	< 0.013
Bromodichloromethane	< 0.013
Bromoform	< 0.013
Bromomethane	< 0.013
2-Butanone (MEK)	< 0.125
n-Butylbenzene	< 0.013
sec-Butylbenzene	< 0.013
tert-Butylbenzene	< 0.013
Carbon tetrachloride	< 0.013
Chlorobenzene	< 0.013
Chlorodibromomethane	< 0.013
Chloroethane	< 0.013
Chloroform	< 0.013
Chloromethane	< 0.013
2-Chlorotoluene	< 0.013
4-Chlorotoluene	< 0.013
1,2-Dibromo-3-Chloropropane (DBCP)	< 0.125
1,2-Dibromoethane (EDB)	< 0.013
Dibromomethane	< 0.013
1,2-Dichlorobenzene	< 0.013
1,3-Dichlorobenzene	< 0.013
1,4-Dichlorobenzene	< 0.013
Dichlorodifluoromethane	< 0.013
1,1-Dichloroethane	< 0.013
1,2-Dichloroethane	< 0.013
1,1-Dichloroethene	< 0.013
cis-1,2-Dichloroethene	< 0.013
trans-1,2-Dichloroethene	< 0.013

METHOD 8260C—Methanolic Ext.

Compound	mg/Kg Dry wt.
1,2-Dichloropropane	< 0.013
1,3-Dichloropropane	< 0.013
cis-1,3-Dichloropropene	< 0.013
trans-1,3-Dichloropropene	< 0.013
2,2-Dichloropropane	< 0.013
1,1-Dichloropropene	< 0.013
Ethylbenzene	< 0.013
2-Hexanone (MBK)	< 0.125
Hexachlorobutadiene	< 0.013
Isopropylbenzene	< 0.013
p-Isopropyltoluene	< 0.013
Methylene chloride	< 0.013
4-Methyl-2-pentanone (MIBK)	< 0.125
Naphthalene	< 0.013
n-Propylbenzene	< 0.013
Styrene	< 0.013
1,1,1,2-Tetrachloroethane	< 0.013
1,1,2,2-Tetrachloroethane	< 0.013
Tetrachloroethene	< 0.013
Toluene	< 0.013
1,2,3-Trichlorobenzene	< 0.013
1,2,4-Trichlorobenzene	< 0.013
1,1,1-Trichloroethane	< 0.013
1,1,2-Trichloroethane	< 0.013
Trichloroethene	< 0.013
Trichlorofluoromethane	< 0.013
1,2,3-Trichloropropane	< 0.013
1,2,4-Trimethylbenzene	< 0.013
1,3,5-Trimethylbenzene	< 0.013
Vinyl chloride	< 0.013
Total Xylenes	< 0.025
Methyl tert-butyl ether	< 0.013
Acrolein	< 0.125
Acrylonitrile	< 0.125
Vinyl Acetate	< 0.125

SURROGATE RECOVERIES

Dibromofluoromethane	84	%
1,2-Dichloroethane-d4	78	%
Toluene-d8	94	%
4-Bromofluorobenzene	88	%



Steven G. Hibbs
Laboratory Manager

CHAIN of CUSTODY

PAGE 1 of 1

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STANDARD

RUSH

CLIENT: NES, Inc		ADDRESS: POB 1583 Sumner, WA 98390		ADDRESS CHANGE	
PROJECT: One Stop Laundry		HYDROCARBONS		METALS	
CONTACT: Kevin Wilkerson		ORGANICS		OTHER	
PHONE: 253-241-6213 FAX: 360-872-0699		8260/624 VOA		TOTAL METALS RCRA 8	
e-MAIL: nesinc@hotmail.com		8260 CHLOR SOLVENTS		TOTAL METALS (SPECIFY)	
PURCHASE ORDER #		8270/625 SEMI VOA		TCLP METALS RCRA 8	
		8270 PAH/PNA		TCLP METALS (SPECIFY)	
		8082/608 PCB		BOD	
		1664 HEM (FOG)		FLASH POINT	
		1664 SGT-HEM (TPH)		TURBIDITY	
		NM/TPH-DX		TX/TOX 9076	
		NM/TPH-G		PH 9040/9045	
		BTEX/NM/TPH-G			
		BTEX			
		NM/TPH-HCID			
NUMBER OF CONTAINERS					
SAMPLE ID	DATE SAMPLED	TIME SAMPLED	MATRIX		
1 5-C	08/23/12	13:50	Soil 1		
2 6-NE	"	14:13	Soil 1		
3					
4					
5					
6					
7					
8					
9					
0					
SPECIAL INSTRUCTIONS/COMMENTS:				DATE	
pce				TIME	
RELINQUISHED BY		PRINTED NAME		COMPANY	
RECEIVED BY		Kevin Wilkerson		NES, Inc.	
RELINQUISHED BY		Randa Ross		Spectra	
RECEIVED BY				8/24/12 0915	
RETURN SAMPLES		DISPOSE SAMPLES		Payment Terms: Net 30 days. Past due accounts subject to 1 1/2 % per month interest. Customer agrees to pay all costs of collection including reasonable attorney's fees and all other costs of collection regardless of whether suit is filed in Pierce Co., WA venue. Spectra Analytical, Inc.	



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08/31/2012

Northwest Environmental Solutions, Inc
PO Box 1583
Sumner, WA 98390


Project: One Stop Laundry
Client ID: 5SB-NE
Sample Matrix: Soil
Date Sampled: 08/17/2012
Date Received: 08/20/2012
Spectra Project: 2012080368
Spectra Number: 1
Rush

Analyte	Result	Units	Method	Analyte	Result	Units	Method
1,1,1,2-Tetrachloroethane	<0.025	mg/Kg	SW846 8260C	2-Butanone (MEK)	<0.25	mg/Kg	SW846 8260C
1,1,1-Trichloroethane	<0.025	mg/Kg	SW846 8260C	2-Chlorotoluene	<0.025	mg/Kg	SW846 8260C
1,1,2,2-Tetrachloroethane	<0.025	mg/Kg	SW846 8260C	2-Hexanone (MBK)	<0.25	mg/Kg	SW846 8260C
1,1,2-Trichloroethane	<0.025	mg/Kg	SW846 8260C	4-Chlorotoluene	<0.025	mg/Kg	SW846 8260C
1,1-Dichloroethane	<0.025	mg/Kg	SW846 8260C	4-Isopropyltoluene	<0.025	mg/Kg	SW846 8260C
1,1-Dichloroethene	<0.025	mg/Kg	SW846 8260C	4-methyl-2-pentanone	<0.25	mg/Kg	SW846 8260C
1,1-Dichloropropene	<0.025	mg/Kg	SW846 8260C	Acetone	<0.25	mg/Kg	SW846 8260C
1,2,3-Trichlorobenzene	<0.025	mg/Kg	SW846 8260C	Acrolein	<0.25	mg/Kg	SW846 8260C
1,2,3-Trichloropropane	<0.025	mg/Kg	SW846 8260C	Acrylonitrile	<0.25	mg/Kg	SW846 8260C
1,2,4-Trichlorobenzene	<0.025	mg/Kg	SW846 8260C	Benzene	<0.025	mg/Kg	SW846 8260C
1,2,4-Trimethylbenzene	<0.025	mg/Kg	SW846 8260C	Bromobenzene	<0.025	mg/Kg	SW846 8260C
1,2-Dibromo3Chloropropane	<0.25	mg/Kg	SW846 8260C	Bromochloromethane	<0.025	mg/Kg	SW846 8260C
1,2-Dibromoethane (EDB)	<0.025	mg/Kg	SW846 8260C	Bromodichloromethane	<0.025	mg/Kg	SW846 8260C
1,2-Dichlorobenzene	<0.025	mg/Kg	SW846 8260C	Bromoform	<0.025	mg/Kg	SW846 8260C
1,2-Dichloroethane	<0.025	mg/Kg	SW846 8260C	Bromomethane	<0.025	mg/Kg	SW846 8260C
1,2-Dichloropropane	<0.025	mg/Kg	SW846 8260C	Carbon Tetrachloride	<0.025	mg/Kg	SW846 8260C
1,3,5-Trimethylbenzene	<0.025	mg/Kg	SW846 8260C	Chlorobenzene	<0.025	mg/Kg	SW846 8260C
1,3-Dichlorobenzene	<0.025	mg/Kg	SW846 8260C	Chlorodibromomethane	<0.025	mg/Kg	SW846 8260C
1,3-Dichloropropane	<0.025	mg/Kg	SW846 8260C	Chloroethane	<0.025	mg/Kg	SW846 8260C
1,4-Dichlorobenzene	<0.025	mg/Kg	SW846 8260C	Chloroform	<0.025	mg/Kg	SW846 8260C
2,2-Dichloropropane	<0.025	mg/Kg	SW846 8260C	Chloromethane	<0.025	mg/Kg	SW846 8260C

Sample analyzed on 8/21/2012.

Surrogate	Recovery	Method
1,2-Dichloroethane-d4	84	SW846 8260C
Dibromofluoromethane	87	SW846 8260C
Toluene-d8	97	SW846 8260C
4-Bromofluorobenzene	99	SW846 8260C

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Steve Hibbs, Laboratory Manager
a14/sgh

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08/31/2012

Northwest Environmental Solutions, Inc
PO Box 1583
Sumner, WA 98390

Project: One Stop Laundry
Client ID: 5SB-NE
Sample Matrix: Soil
Date Sampled: 08/17/2012
Date Received: 08/20/2012
Spectra Project: 2012080368
Spectra Number: 1
Rush

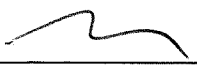
Analyte	Result	Units	Method
Dibromomethane	<0.025	mg/Kg	SW846 8260C
Dichlorodifluoromethane	<0.025	mg/Kg	SW846 8260C
Ethylbenzene	<0.025	mg/Kg	SW846 8260C
Hexachlorobutadiene	<0.025	mg/Kg	SW846 8260C
Isopropylbenzene	<0.025	mg/Kg	SW846 8260C
Methyl-tert-Butyl Ether	<0.025	mg/Kg	SW846 8260C
Methylene chloride	<0.025	mg/Kg	SW846 8260C
Naphthalene	<0.025	mg/Kg	SW846 8260C
Styrene	<0.025	mg/Kg	SW846 8260C
Tetrachloroethene	0.075	mg/Kg	SW846 8260C
Toluene	<0.025	mg/Kg	SW846 8260C
Total Xylenes	<0.05	mg/Kg	SW846 8260C
Trichloroethene	<0.025	mg/Kg	SW846 8260C
Trichlorofluoromethane	<0.025	mg/Kg	SW846 8260C
Vinyl Acetate	<0.25	mg/Kg	SW846 8260C
Vinyl chloride	<0.025	mg/Kg	SW846 8260C
cis-1,2-Dichloroethene	<0.025	mg/Kg	SW846 8260C
cis-1,3-Dichloropropene	<0.025	mg/Kg	SW846 8260C
n-Butylbenzene	<0.025	mg/Kg	SW846 8260C
n-Propylbenzene	<0.025	mg/Kg	SW846 8260C
sec-Butylbenzene	<0.025	mg/Kg	SW846 8260C

Analyte	Result	Units	Method
tert-Butylbenzene	<0.025	mg/Kg	SW846 8260C
trans-1,2-Dichloroethene	<0.025	mg/Kg	SW846 8260C
trans-1,3-Dichloropropene	<0.025	mg/Kg	SW846 8260C

Sample analyzed on 8/21/2012.

Surrogate	Recovery	Method
1,2-Dichloroethane-d4	84	SW846 8260C
Dibromofluoromethane	87	SW846 8260C
Toluene-d8	97	SW846 8260C
4-Bromofluorobenzene	99	SW846 8260C

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Steve Hibbs, Laboratory Manager
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08/31/2012

Northwest Environmental Solutions, Inc
PO Box 1583
Sumner, WA 98390

Project: One Stop Laundry
Client ID: 6SB-N
Sample Matrix: Soil
Date Sampled: 08/17/2012
Date Received: 08/20/2012
Spectra Project: 2012080368
Spectra Number: 2


Rush

Analyte	Result	Units	Method	Analyte	Result	Units	Method
1,1,1,2-Tetrachloroethane	<0.025	mg/Kg	SW846 8260C	2-Butanone (MEK)	<0.25	mg/Kg	SW846 8260C
1,1,1-Trichloroethane	<0.025	mg/Kg	SW846 8260C	2-Chlorotoluene	<0.025	mg/Kg	SW846 8260C
1,1,2,2-Tetrachloroethane	<0.025	mg/Kg	SW846 8260C	2-Hexanone (MBK)	<0.25	mg/Kg	SW846 8260C
1,1,2-Trichloroethane	<0.025	mg/Kg	SW846 8260C	4-Chlorotoluene	<0.025	mg/Kg	SW846 8260C
1,1-Dichloroethane	<0.025	mg/Kg	SW846 8260C	4-Isopropyltoluene	<0.025	mg/Kg	SW846 8260C
1,1-Dichloroethene	<0.025	mg/Kg	SW846 8260C	4-methyl-2-pentanone	<0.25	mg/Kg	SW846 8260C
1,1-Dichloropropene	<0.025	mg/Kg	SW846 8260C	Acetone	<0.25	mg/Kg	SW846 8260C
1,2,3-Trichlorobenzene	<0.025	mg/Kg	SW846 8260C	Acrolein	<0.25	mg/Kg	SW846 8260C
1,2,3-Trichloropropane	<0.025	mg/Kg	SW846 8260C	Acrylonitrile	<0.25	mg/Kg	SW846 8260C
1,2,4-Trichlorobenzene	<0.025	mg/Kg	SW846 8260C	Benzene	<0.025	mg/Kg	SW846 8260C
1,2,4-Trimethylbenzene	<0.025	mg/Kg	SW846 8260C	Bromobenzene	<0.025	mg/Kg	SW846 8260C
1,2-Dibromo3Chloropropane	<0.25	mg/Kg	SW846 8260C	Bromochloromethane	<0.025	mg/Kg	SW846 8260C
1,2-Dibromoethane (EDB)	<0.025	mg/Kg	SW846 8260C	Bromodichloromethane	<0.025	mg/Kg	SW846 8260C
1,2-Dichlorobenzene	<0.025	mg/Kg	SW846 8260C	Bromoform	<0.025	mg/Kg	SW846 8260C
1,2-Dichloroethane	<0.025	mg/Kg	SW846 8260C	Bromomethane	<0.025	mg/Kg	SW846 8260C
1,2-Dichloropropane	<0.025	mg/Kg	SW846 8260C	Carbon Tetrachloride	<0.025	mg/Kg	SW846 8260C
1,3,5-Trimethylbenzene	<0.025	mg/Kg	SW846 8260C	Chlorobenzene	<0.025	mg/Kg	SW846 8260C
1,3-Dichlorobenzene	<0.025	mg/Kg	SW846 8260C	Chlorodibromomethane	<0.025	mg/Kg	SW846 8260C
1,3-Dichloropropane	<0.025	mg/Kg	SW846 8260C	Chloroethane	<0.025	mg/Kg	SW846 8260C
1,4-Dichlorobenzene	<0.025	mg/Kg	SW846 8260C	Chloroform	<0.025	mg/Kg	SW846 8260C
2,2-Dichloropropane	<0.025	mg/Kg	SW846 8260C	Chloromethane	<0.025	mg/Kg	SW846 8260C

Sample analyzed on 8/21/2012.

Surrogate	Recovery	Method
1,2-Dichloroethane-d4	83	SW846 8260C
4-Bromofluorobenzene	100	SW846 8260C
Toluene-d8	98	SW846 8260C
Dibromofluoromethane	90	SW846 8260C

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager

a14/sgh

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08/31/2012

Northwest Environmental Solutions, Inc
PO Box 1583
Sumner, WA 98390

Project: One Stop Laundry
Client ID: 6SB-N
Sample Matrix: Soil
Date Sampled: 08/17/2012
Date Received: 08/20/2012
Spectra Project: 2012080368
Spectra Number: 2
Rush

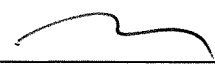
Analyte	Result	Units	Method
Dibromomethane	<0.025	mg/Kg	SW846 8260C
Dichlorodifluoromethane	<0.025	mg/Kg	SW846 8260C
Ethylbenzene	<0.025	mg/Kg	SW846 8260C
Hexachlorobutadiene	<0.025	mg/Kg	SW846 8260C
Isopropylbenzene	<0.025	mg/Kg	SW846 8260C
Methyl-tert-Butyl Ether	<0.025	mg/Kg	SW846 8260C
Methylene chloride	<0.025	mg/Kg	SW846 8260C
Naphthalene	<0.025	mg/Kg	SW846 8260C
Styrene	<0.025	mg/Kg	SW846 8260C
Tetrachloroethene	<0.025	mg/Kg	SW846 8260C
Toluene	<0.025	mg/Kg	SW846 8260C
Total Xylenes	<0.05	mg/Kg	SW846 8260C
Trichloroethene	<0.025	mg/Kg	SW846 8260C
Trichlorofluoromethane	<0.025	mg/Kg	SW846 8260C
Vinyl Acetate	<0.25	mg/Kg	SW846 8260C
Vinyl chloride	<0.025	mg/Kg	SW846 8260C
cis-1,2-Dichloroethene	<0.025	mg/Kg	SW846 8260C
cis-1,3-Dichloropropene	<0.025	mg/Kg	SW846 8260C
n-Butylbenzene	<0.025	mg/Kg	SW846 8260C
n-Propylbenzene	<0.025	mg/Kg	SW846 8260C
sec-Butylbenzene	<0.025	mg/Kg	SW846 8260C

Analyte	Result	Units	Method
tert-Butylbenzene	<0.025	mg/Kg	SW846 8260C
trans-1,2-Dichloroethene	<0.025	mg/Kg	SW846 8260C
trans-1,3-Dichloropropene	<0.025	mg/Kg	SW846 8260C

Sample analyzed on 8/21/2012.

Surrogate	Recovery	Method
1,2-Dichloroethane-d4	83	SW846 8260C
4-Bromofluorobenzene	100	SW846 8260C
Toluene-d8	98	SW846 8260C
Dibromofluoromethane	90	SW846 8260C

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager
a14/sgh

08/31/2012

Northwest Environmental Solutions, Inc
PO Box 1583
Sumner, WA 98390

Project: One Stop Laundry
Client ID: 7SB-S
Sample Matrix: Soil
Date Sampled: 08/17/2012
Date Received: 08/20/2012
Spectra Project: 2012080368
Spectra Number: 3

Rush

Analyte	Result	Units	Method	Analyte	Result	Units	Method
1,1,1,2-Tetrachloroethane	<0.025	mg/Kg	SW846 8260C	2-Butanone (MEK)	<0.25	mg/Kg	SW846 8260C
1,1,1-Trichloroethane	<0.025	mg/Kg	SW846 8260C	2-Chlorotoluene	<0.025	mg/Kg	SW846 8260C
1,1,2,2-Tetrachloroethane	<0.025	mg/Kg	SW846 8260C	2-Hexanone (MBK)	<0.25	mg/Kg	SW846 8260C
1,1,2-Trichloroethane	<0.025	mg/Kg	SW846 8260C	4-Chlorotoluene	<0.025	mg/Kg	SW846 8260C
1,1-Dichloroethane	<0.025	mg/Kg	SW846 8260C	4-Isopropyltoluene	<0.025	mg/Kg	SW846 8260C
1,1-Dichloroethene	<0.025	mg/Kg	SW846 8260C	4-methyl-2-pentanone	<0.25	mg/Kg	SW846 8260C
1,1-Dichloropropene	<0.025	mg/Kg	SW846 8260C	Acetone	<0.25	mg/Kg	SW846 8260C
1,2,3-Trichlorobenzene	<0.025	mg/Kg	SW846 8260C	Acrolein	<0.25	mg/Kg	SW846 8260C
1,2,3-Trichloropropane	<0.025	mg/Kg	SW846 8260C	Acrylonitrile	<0.25	mg/Kg	SW846 8260C
1,2,4-Trichlorobenzene	<0.025	mg/Kg	SW846 8260C	Benzene	<0.025	mg/Kg	SW846 8260C
1,2,4-Trimethylbenzene	<0.025	mg/Kg	SW846 8260C	Bromobenzene	<0.025	mg/Kg	SW846 8260C
1,2-Dibromo3Chloropropane	<0.25	mg/Kg	SW846 8260C	Bromochloromethane	<0.025	mg/Kg	SW846 8260C
1,2-Dibromoethane (EDB)	<0.025	mg/Kg	SW846 8260C	Bromodichloromethane	<0.025	mg/Kg	SW846 8260C
1,2-Dichlorobenzene	<0.025	mg/Kg	SW846 8260C	Bromoform	<0.025	mg/Kg	SW846 8260C
1,2-Dichloroethane	<0.025	mg/Kg	SW846 8260C	Bromomethane	<0.025	mg/Kg	SW846 8260C
1,2-Dichloropropane	<0.025	mg/Kg	SW846 8260C	Carbon Tetrachloride	<0.025	mg/Kg	SW846 8260C
1,3,5-Trimethylbenzene	<0.025	mg/Kg	SW846 8260C	Chlorobenzene	<0.025	mg/Kg	SW846 8260C
1,3-Dichlorobenzene	<0.025	mg/Kg	SW846 8260C	Chlorodibromomethane	<0.025	mg/Kg	SW846 8260C
1,3-Dichloropropane	<0.025	mg/Kg	SW846 8260C	Chloroethane	<0.025	mg/Kg	SW846 8260C
1,4-Dichlorobenzene	<0.025	mg/Kg	SW846 8260C	Chloroform	<0.025	mg/Kg	SW846 8260C
2,2-Dichloropropane	<0.025	mg/Kg	SW846 8260C	Chloromethane	<0.025	mg/Kg	SW846 8260C

Sample analyzed on 8/21/2012.

Surrogate	Recovery	Method
1,2-Dichloroethane-d4	84	SW846 8260C
4-Bromofluorobenzene	98	SW846 8260C
Toluene-d8	98	SW846 8260C
Dibromofluoromethane	87	SW846 8260C

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08/31/2012

Northwest Environmental Solutions, Inc
PO Box 1583
Sumner, WA 98390

Project: One Stop Laundry
Client ID: 7SB-S
Sample Matrix: Soil
Date Sampled: 08/17/2012
Date Received: 08/20/2012
Spectra Project: 2012080368
Spectra Number: 3

Rush

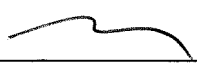
Analyte	Result	Units	Method
Dibromomethane	<0.025	mg/Kg	SW846 8260C
Dichlorodifluoromethane	<0.025	mg/Kg	SW846 8260C
Ethylbenzene	<0.025	mg/Kg	SW846 8260C
Hexachlorobutadiene	<0.025	mg/Kg	SW846 8260C
Isopropylbenzene	<0.025	mg/Kg	SW846 8260C
Methyl-tert-Butyl Ether	<0.025	mg/Kg	SW846 8260C
Methylene chloride	<0.025	mg/Kg	SW846 8260C
Naphthalene	<0.025	mg/Kg	SW846 8260C
Styrene	<0.025	mg/Kg	SW846 8260C
Tetrachloroethene	<0.025	mg/Kg	SW846 8260C
Toluene	<0.025	mg/Kg	SW846 8260C
Total Xylenes	<0.05	mg/Kg	SW846 8260C
Trichloroethene	<0.025	mg/Kg	SW846 8260C
Trichlorofluoromethane	<0.025	mg/Kg	SW846 8260C
Vinyl Acetate	<0.25	mg/Kg	SW846 8260C
Vinyl chloride	<0.025	mg/Kg	SW846 8260C
cis-1,2-Dichloroethene	<0.025	mg/Kg	SW846 8260C
cis-1,3-Dichloropropene	<0.025	mg/Kg	SW846 8260C
n-Butylbenzene	<0.025	mg/Kg	SW846 8260C
n-Propylbenzene	<0.025	mg/Kg	SW846 8260C
sec-Butylbenzene	<0.025	mg/Kg	SW846 8260C

Analyte	Result	Units	Method
tert-Butylbenzene	<0.025	mg/Kg	SW846 8260C
trans-1,2-Dichloroethene	<0.025	mg/Kg	SW846 8260C
trans-1,3-Dichloropropene	<0.025	mg/Kg	SW846 8260C

Sample analyzed on 8/21/2012.

Surrogate	Recovery	Method
1,2-Dichloroethane-d4	84	SW846 8260C
4-Bromofluorobenzene	98	SW846 8260C
Toluene-d8	98	SW846 8260C
Dibromofluoromethane	87	SW846 8260C

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Steve Hibbs, Laboratory Manager
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08/31/2012

Northwest Environmental Solutions, Inc
PO Box 1583
Sumner, WA 98390


Project: One Stop Laundry
Client ID: 8SB-C
Sample Matrix: Soil
Date Sampled: 08/17/2012
Date Received: 08/20/2012
Spectra Project: 2012080368
Spectra Number: 4
Rush

Analyte	Result	Units	Method	Analyte	Result	Units	Method
1,1,1,2-Tetrachloroethane	<0.025	mg/Kg	SW846 8260C	2-Butanone (MEK)	<0.25	mg/Kg	SW846 8260C
1,1,1-Trichloroethane	<0.025	mg/Kg	SW846 8260C	2-Chlorotoluene	<0.025	mg/Kg	SW846 8260C
1,1,2,2-Tetrachloroethane	<0.025	mg/Kg	SW846 8260C	2-Hexanone (MBK)	<0.25	mg/Kg	SW846 8260C
1,1,2-Trichloroethane	<0.025	mg/Kg	SW846 8260C	4-Chlorotoluene	<0.025	mg/Kg	SW846 8260C
1,1-Dichloroethane	<0.025	mg/Kg	SW846 8260C	4-Isopropyltoluene	<0.025	mg/Kg	SW846 8260C
1,1-Dichloroethene	<0.025	mg/Kg	SW846 8260C	4-methyl-2-pentanone	<0.25	mg/Kg	SW846 8260C
1,1-Dichloropropene	<0.025	mg/Kg	SW846 8260C	Acetone	<0.25	mg/Kg	SW846 8260C
1,2,3-Trichlorobenzene	<0.025	mg/Kg	SW846 8260C	Acrolein	<0.25	mg/Kg	SW846 8260C
1,2,3-Trichloropropane	<0.025	mg/Kg	SW846 8260C	Acrylonitrile	<0.25	mg/Kg	SW846 8260C
1,2,4-Trichlorobenzene	<0.025	mg/Kg	SW846 8260C	Benzene	<0.025	mg/Kg	SW846 8260C
1,2,4-Trimethylbenzene	0.028	mg/Kg	SW846 8260C	Bromobenzene	<0.025	mg/Kg	SW846 8260C
1,2-Dibromo3Chloropropane	<0.25	mg/Kg	SW846 8260C	Bromochloromethane	<0.025	mg/Kg	SW846 8260C
1,2-Dibromoethane (EDB)	<0.025	mg/Kg	SW846 8260C	Bromodichloromethane	<0.025	mg/Kg	SW846 8260C
1,2-Dichlorobenzene	<0.025	mg/Kg	SW846 8260C	Bromoform	<0.025	mg/Kg	SW846 8260C
1,2-Dichloroethane	<0.025	mg/Kg	SW846 8260C	Bromomethane	<0.025	mg/Kg	SW846 8260C
1,2-Dichloropropane	<0.025	mg/Kg	SW846 8260C	Carbon Tetrachloride	<0.025	mg/Kg	SW846 8260C
1,3,5-Trimethylbenzene	<0.025	mg/Kg	SW846 8260C	Chlorobenzene	<0.025	mg/Kg	SW846 8260C
1,3-Dichlorobenzene	<0.025	mg/Kg	SW846 8260C	Chlorodibromomethane	<0.025	mg/Kg	SW846 8260C
1,3-Dichloropropane	<0.025	mg/Kg	SW846 8260C	Chloroethane	<0.025	mg/Kg	SW846 8260C
1,4-Dichlorobenzene	<0.025	mg/Kg	SW846 8260C	Chloroform	<0.025	mg/Kg	SW846 8260C
2,2-Dichloropropane	<0.025	mg/Kg	SW846 8260C	Chloromethane	<0.025	mg/Kg	SW846 8260C

Sample analyzed on 8/21/2012.

Surrogate	Recovery	Method
1,2-Dichloroethane-d4	85	SW846 8260C
4-Bromofluorobenzene	101	SW846 8260C
Toluene-d8	97	SW846 8260C
Dibromofluoromethane	90	SW846 8260C

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Steve Hibbs, Laboratory Manager
a14/sgh

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08/31/2012

Northwest Environmental Solutions, Inc
PO Box 1583
Sumner, WA 98390

Project: One Stop Laundry
Client ID: 8SB-C
Sample Matrix: Soil
Date Sampled: 08/17/2012
Date Received: 08/20/2012
Spectra Project: 2012080368
Spectra Number: 4
Rush

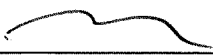
Analyte	Result	Units	Method
Dibromomethane	<0.025	mg/Kg	SW846 8260C
Dichlorodifluoromethane	<0.025	mg/Kg	SW846 8260C
Ethylbenzene	<0.025	mg/Kg	SW846 8260C
Hexachlorobutadiene	<0.025	mg/Kg	SW846 8260C
Isopropylbenzene	<0.025	mg/Kg	SW846 8260C
Methyl-tert-Butyl Ether	<0.025	mg/Kg	SW846 8260C
Methylene chloride	<0.025	mg/Kg	SW846 8260C
Naphthalene	<0.025	mg/Kg	SW846 8260C
Styrene	<0.025	mg/Kg	SW846 8260C
Tetrachloroethene	0.150	mg/Kg	SW846 8260C
Toluene	0.054	mg/Kg	SW846 8260C
Total Xylenes	0.058	mg/Kg	SW846 8260C
Trichloroethene	<0.025	mg/Kg	SW846 8260C
Trichlorofluoromethane	<0.025	mg/Kg	SW846 8260C
Vinyl Acetate	<0.25	mg/Kg	SW846 8260C
Vinyl chloride	<0.025	mg/Kg	SW846 8260C
cis-1,2-Dichloroethene	<0.025	mg/Kg	SW846 8260C
cis-1,3-Dichloropropene	<0.025	mg/Kg	SW846 8260C
n-Butylbenzene	<0.025	mg/Kg	SW846 8260C
n-Propylbenzene	<0.025	mg/Kg	SW846 8260C
sec-Butylbenzene	<0.025	mg/Kg	SW846 8260C

Analyte	Result	Units	Method
tert-Butylbenzene	<0.025	mg/Kg	SW846 8260C
trans-1,2-Dichloroethene	<0.025	mg/Kg	SW846 8260C
trans-1,3-Dichloropropene	<0.025	mg/Kg	SW846 8260C

Sample analyzed on 8/21/2012.

Surrogate	Recovery	Method
1,2-Dichloroethane-d4	85	SW846 8260C
4-Bromofluorobenzene	101	SW846 8260C
Toluene-d8	97	SW846 8260C
Dibromofluoromethane	90	SW846 8260C

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Steve Hibbs, Laboratory Manager
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August 31, 2012


Northwest Environmental Solutions, Inc.
P.O. Box 1583
Sumner, WA 98390

Sample Matrix: Soil
EPA Method: 8260C--MeOH ext.
Spiked Sample: 2012080368-1
Date Analyzed: 8/21/2012
Units: mg/Kg
Spectra Project: 2012080368
Applies to: 1-4

GCMS VOLATILE ORGANIC ANALYSIS METHOD 8260C Matrix Spike Results

COMPOUND	SAMPLE RESULT	SPIKE AMOUNT	SPIKE RESULT	% REC	DUP RESULT	DUP %REC	% RPD
1,1-Dichloroethene	<0.025	0.50	0.41	83	0.41	82	0
Trichloroethene	<0.025	0.50	0.44	87	0.45	90	4
Benzene	<0.025	0.50	0.42	84	0.44	87	4
Toluene	<0.025	0.50	0.47	94	0.47	94	1
Chlorobenzene	<0.025	0.50	0.46	93	0.46	92	1

* out of limits



Steven G. Hibbs
Laboratory Manager



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August 31, 2012

Northwest Environmental Solutions, Inc.
P.O. Box 1583
Sumner, WA 98390

Sample ID: **Method Blank**
Project:
Sample Matrix: **Soil**

Spectra Project: **2012080368**

Methanolic Extraction

Date Received: 8/20/2012
Date Analyzed: 8/21/2012
Sample Weight (g): 5.00
< = less than
Applies to: #1-4

VOLATILE ORGANIC ANALYSIS:


Compound	mg/Kg Dry wt.
Acetone	< 0.250
Benzene	< 0.025
Bromobenzene	< 0.025
Bromochloromethane	< 0.025
Bromodichloromethane	< 0.025
Bromoform	< 0.025
Bromomethane	< 0.025
2-Butanone (MEK)	< 0.250
n-Butylbenzene	< 0.025
sec-Butylbenzene	< 0.025
tert-Butylbenzene	< 0.025
Carbon tetrachloride	< 0.025
Chlorobenzene	< 0.025
Chlorodibromomethane	< 0.025
Chloroethane	< 0.025
Chloroform	< 0.025
Chloromethane	< 0.025
2-Chlorotoluene	< 0.025
4-Chlorotoluene	< 0.025
1,2-Dibromo-3-Chloropropane (DBCP)	< 0.250
1,2-Dibromoethane (EDB)	< 0.025
Dibromomethane	< 0.025
1,2-Dichlorobenzene	< 0.025
1,3-Dichlorobenzene	< 0.025
1,4-Dichlorobenzene	< 0.025
Dichlorodifluoromethane	< 0.025
1,1-Dichloroethane	< 0.025
1,2-Dichloroethane	< 0.025
1,1-Dichloroethene	< 0.025
cis-1,2-Dichloroethene	< 0.025
trans-1,2-Dichloroethene	< 0.025

METHOD 8260C--Methanolic Ext.

Compound	mg/Kg Dry wt.
1,2-Dichloropropane	< 0.025
1,3-Dichloropropane	< 0.025
cis-1,3-Dichloropropene	< 0.025
trans-1,3-Dichloropropene	< 0.025
2,2-Dichloropropane	< 0.025
1,1-Dichloropropene	< 0.025
Ethylbenzene	< 0.025
2-Hexanone (MBK)	< 0.250
Hexachlorobutadiene	< 0.025
Isopropylbenzene	< 0.025
p-Isopropyltoluene	< 0.025
Methylene chloride	< 0.025
4-Methyl-2-pentanone (MIBK)	< 0.250
Naphthalene	< 0.025
n-Propylbenzene	< 0.025
Styrene	< 0.025
1,1,1,2-Tetrachloroethane	< 0.025
1,1,2,2-Tetrachloroethane	< 0.025
Tetrachloroethene	< 0.025
Toluene	< 0.025
1,2,3-Trichlorobenzene	< 0.025
1,2,4-Trichlorobenzene	< 0.025
1,1,1-Trichloroethane	< 0.025
1,1,2-Trichloroethane	< 0.025
Trichloroethene	< 0.025
Trichlorofluoromethane	< 0.025
1,2,3-Trichloropropane	< 0.025
1,2,4-Trimethylbenzene	< 0.025
1,3,5-Trimethylbenzene	< 0.025
Vinyl chloride	< 0.025
Total Xylenes	< 0.050
Methyl tert-butyl ether	< 0.025
Acrolein	< 0.250
Acrylonitrile	< 0.250
Vinyl Acetate	< 0.250

SURROGATE RECOVERIES

Dibromofluoromethane	95	%
1,2-Dichloroethane-d4	86	%
Toluene-d8	91	%
4-Bromofluorobenzene	100	%


Steven G. Hibbs
Laboratory Manager

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STANDARD

RUST

CLIENT:	NES, Inc	ADDRESS CHANGE
	ADDRESS: POB 1583 Sumner, WA. 98390	

PROJECT: One Stop Laundry

CONTACT: Kevin Wilkerson

PHONE: 253-241-6213
FAX: 360-872-0699

e-MAIL: nesinc@hotmail.com **Prefer FAX or e-MAIL**

PURCHASE ORDER #

SAMPLE ID	DATE SAMPLED	TIME SAMPLED	MATRIX
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1	5SB-NE	08/17/12	1349	Soil	1
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26SB-N	"	14:30	"	1
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37SB-S	"	15:01	"	1
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48SB-C	"	15:45	"	1
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5				
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SPECIAL INSTRUCTIONS/COMMENTS:

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Payment Terms: Net 30 days	Bank due accounts subject to 4.4% W-9 not monthly interest	Cost
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	PAYMENT TERMS: Net 30 days; Past due accounts subject to 1 1/2 % per month interest.	CUSTOMER AGREES TO PAY ALL COSTS OF COLLECTION INCLUDING REASONABLE ATTORNEY'S FEES AND ALL OTHER COSTS OF COLLECTION REGARDLESS OF WHETHER SUIT IS FILED IN Pierce Co. WA versus Snohomish Associates, Inc.
RETURN SAMPLES		
DISPOSE SAMPLES		



