SOIL SAMPLING AND ANALYSIS

FORMER VALETOR CLEANERS
3011 GRAND AVENUE
EVERETT, WASHINGTON

Prepared For:

Liger Lapinski LLC
3132 Rucker Avenue
Everett, WA 98206

Prepared By:

ADEPT Geoscience & Environment, Inc.
PO Box 1328
Everett, Washington 98206-1328

ADEPT PROJECT NUMBER: 3.232

January, 2004

ADEPT Geoscience & Environment

ENVIRONMENTAL
ENGINEERING GEOLOGY
HYDROGEOLOGY

GRAND BUILDING / former Valetor Cleaners Everett VCP NW 1220 LUST 5917,87

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1.0 EXECUTIVE SUMMARY

At the request of Liger Lapinski, LLC, Adept Geoscience & Environment, Inc. (AGE) collected and arranged for the chemical analysis of four soil samples from an underground storage tank (UST) excavation at the former Valetor Cleaners on November 27, 2003. The subject property is located at 3011 Grand Avenue in Everett, Washington.

It is our understanding that two USTs had been located in the pit. The tanks were removed by others on September 8, 2003. The UST removal was described in a report dated September 24, 2003 prepared by Pinnacle Geosciences. Both tanks reportedly contained Stoddard solvent and were each 500-gallons in size. According to the Pinnacle Geosciences report, both tanks appeared to be corroded. Soil underlying one of the tanks contained volatile total petroleum hydrocarbons (Stoddard solvent) in excess of MTCA Method A cleanup levels. Soil on the excavation sidewall nearest the building (on the west side of the excavation) contained Stoddard solvent and tetrachloroethylene (also known as perchloroethylene or PCE) in excess of MTCA Method A cleanup levels. The concentration of PCE in the west sidewall did not exceed risk-based standard Method B cleanup levels for direct contact.

According to the Pinnacle Geosciences report, an unstated volume of soil that was removed to allow access to the USTs was stockpiled and covered on-site. A representative of Liger Lapinski LLC informed us that this soil was no longer present on the site upon their involvement.

Liger Lapinski LLC had arranged for the excavation of the remaining contaminated soil prior to our first arrival on the site. We found that the east side of the UST excavation had been partially backfilled upon our arrival. We were informed of the former location of the tanks and hand dug through the fill soil into apparent native soil. One soil sample was collected from beneath the reported location of each tank. Additional samples were collected from apparent native soil on the north sidewall, and from the west sidewall beneath the building.

All soil samples were analyzed for volatile total petroleum hydrocarbons and volatile organic compounds (including PCE), and none were detected.

A third UST, reportedly a 2,000-gallon tank used to store diesel, was also removed by others on September 8, 2003 at a separate location on the subject property. According to the Pinnacle Geosciences report that tank had not leaked, and we were not retained to complete soil sampling in that excavation.

2.0 INTRODUCTION

2.1 Purpose

The purpose of this project was to collect soil samples and arrange for chemical analyses to determine if cleanup efforts completed by others had satisfied cleanup levels defined in the Model Toxics Control Act (MTCA, WAC 173-340).

2.2 Scope of Services

The following tasks have been completed in support of this project.

1. Completed a site visit to the subject property to collect residual soil samples following a cleanup completed by others.
2. Reviewed an existing report describing UST removal.
3. Arranged for chemical analyses at an Ecology-accredited laboratory.
4. Completed this report.

2.3 Potential Contaminants of Concern

Based on past use of the subject property as a dry cleaner, and more specifically based on the identification of potential contaminants described in reports previously completed by others, potential contaminants of concern consisted of Stoddard solvent and tetrachloroethylene.

2.4 Cleanup Level Goals

Applicable cleanup levels under MTCA can be developed using either conservative Method A tabulated values or using Method B and Method C risk-based formulations. Method A and Method B cleanup levels allow for unrestricted land use, including residential use. Method C cleanup levels apply only to industrial properties as defined in WAC 173-340-745. The subject property was not zoned industrial, and thus Method C cleanup levels were eliminated from consideration.

The Method A soil cleanup levels are based on ground water protection concerns, assuming worst-case leachability of potential contaminants. The Method B and Method C soil cleanup levels are provided in two forms: (1) the direct contact cleanup level assumes that direct contact with the soil is the primary contaminant pathway; and (2) the groundwater protection cleanup level assumes that groundwater has been contaminated or that there is a high potential for groundwater contamination. Method B and Method C cleanup levels can be developed using generic, default assumptions in the risk assessment equations

(standard method), or by using chemical specific or site specific information to change the default assumptions (modified method).

The risk-based Method B cleanup levels for hydrocarbon products must account for the total risk presented by the complete hydrocarbon mixture. Special analytical procedures (not used for this investigation) are used to determine the concentration of individual components of the hydrocarbon mixture. The cleanup levels must meet the following standards:

- For a single hazardous substance, the hazard quotient cannot exceed 1.0 and the excess carcinogenic risk cannot exceed one-in-one million (1 in 100,000 for industrial sites); and
- For total site risk (mixture of all contaminants), the hazard index cannot exceed 1.0 and the sum of the excess carcinogenic risk cannot exceed 1 in 100,000.

Method A and standard Method B cleanup levels for Stoddard solvent (as measured by volatile total petroleum hydrocarbons) and PCE are presented in Table 1.

2.5 Terrestrial Ecological Evaluation

In accordance with WAC 173-340-7491(1)(c), a terrestrial ecological evaluation is not required, because there is less than 1.5 acres of contiguous undeveloped land on the site or within 500 feet of the site.

2.6 Significant Assumptions

AGE assumes that our client has made full and accurate disclosure as to any potentially hazardous wastes, substances, pollutants or contaminants which client knows or has reason to believe exists at the project site. AGE further assumes that our client has accurately disclosed the former location of the USTs and the floor of the UST excavation.

2.7 Limitations and Exceptions

AGE has prepared this report using reasonable efforts in each phase of its work to estimate the liabilities associated with recognized environmental conditions within the UST pit. However, it must be recognized that no environmental site assessment can wholly eliminate uncertainty regarding the potential for recognized environmental conditions in connection with a property. This report is intended to reduce, but not eliminate, uncertainty regarding the existence of recognized environmental conditions in the UST pit.

This report is not an exhaustive assessment of the environmental condition of the subject property, and should not be assumed to be a complete or specific definition of all conditions above or below grade.

Surface and subsurface exploration, sampling, and chemical analysis in areas other than the specific UST pit described in this report were not within the scope of this study.

AGE makes no warranty, expressed or implied, as to the accuracy of information contained in reports prepared by others.

2.8 User Reliance

This report has been prepared solely for the use of Liger Lapinski LLC and authorized regulatory agencies for specific application to the subject property, and may not be relied upon by any other persons for any reason without the written consent of AGE.

The findings, conclusions, and recommendations contained within this report are intended for application to specific areas of the subject property at the time the report was prepared, and should not be applied to any other areas or for other times.

3.0 SITE DESCRIPTION

3.1 Location

The subject property is located at 3011 Grand Avenue in the City of Everett, Snohomish County, Washington. The parcel is located in the Northeast ¼ of Section 30, Township 29 North, Range 05 East. A Topographic Map indicating the location of the subject property is included in Figure 1.

3.2 Site and Vicinity General Characteristics

The subject property lies within the fully developed urban core of Everett, on a gently graded northwest-facing slope at an elevation of approximately 110 feet (Figure 1). The property is located approximately 2,000 feet east of Port Gardner Bay. The nearest surface drainage is Pigeon Creek, located approximately one mile southwest of the subject property. The vicinity of the subject property was developed for commercial, single-family and multiple-family residential purposes at the time of our investigation.

3.3 Historic and Current Site Use

The subject property had been formerly used as a dry cleaner. It is our understanding that dry cleaning activities at the site ceased in 1994; the site was used to dismantle cars for a period of time following 1994, and has been unoccupied for the last few years. The property was un-occupied at the time this report was prepared.

3.4 Site Zoning

The subject property was zoned C-1 (General Commercial) at the time this report was prepared (City of Everett Zoning Map, dated 10-25-01).

3.5 Hydrogeologic Setting

Unconsolidated Quaternary sediments (surficial deposits) overlie bedrock in most coastal areas in northwestern Washington. The thickness of these soils ranges from a few feet to greater than 3,200 feet in parts of Whidbey Island and Camano Island. The Quaternary sediments consist predominantly of gravel, sand, silt, and clay deposited during several glacial and inter-glacial periods that occurred in northwest Washington over the past 12 million years. Most of the sediments that can be observed at the present day ground surface are 11,000 to 15,000 years old, and are derived from the last major glaciation, named the Vashon Stade of the Fraser Glaciation. Quaternary sediments also include stream sediment, beach deposits, and landslide debris that began forming near the end of the last glacial period. These sediments continue to accumulate along streams, beaches, and in areas of moderate to steep slopes.

In general, the Vashon Stade sediments consist of a layer of sand and gravel (the Advance Outwash), overlain by a layer of glacially compacted sediments (the Vashon Till), in turn overlain by more sand and gravel (the Recessional Outwash). The Advance and Recessional Outwash consist of sediments deposited by glacial meltwater streams during glacial advance and retreat, respectively.

Geologic conditions in the Everett area have been described by Minard (1981). According to Minard, the subject property lies on or near the geologic contact between the Vashon advance outwash deposits and the Vashon glacial till.

The Vashon advance outwash consists of unconsolidated soils of glacial-fluvial origin, and generally consist of poorly graded sand and gravel, with some cobbles. These soils were deposited by glacial meltwater streams in front of and along the margins of the continental ice sheet as it advanced southward into the Puget Sound region approximately 13,000 years ago. The Vashon advance outwash is as much as 230 feet thick in the Everett area, and is quite permeable. The advance outwash is one of the most extensive aquifers in the Puget Sound region, but to our knowledge is not utilized as a source of potable groundwater in the urban Everett area.

The advance Outwash is underlain by fine grained soil (clay, silt, and fine sand), locally referred to the Lawton Clay, Pilchuck Clay, or transitional beds. These soils posses a low permeability, and the groundwater comprising the overlying aquifer within the advance outwash is perched upon them.

The advance outwash is overlain by the Vashon glacial till. The glacial till consists of a poorly sorted mixture of rock fragments deposited directly by the Vashon-age ice sheet. Finer portions of the soil consist of clay, silt, and sand. These fine particle comprise a moderately to highly compact matrix in which coarser components (gravel, cobbles, and boulders) are firmly imbedded. The glacial till generally possess a low permeability, except for the weathered upper portion (within a few feet of the ground surface) which may contain perched groundwater.

Based on our limited site observations, the UST excavation was underlain by brown sand with a trace of gravel that may be part of the advance outwash.

We are unaware of any site specific information regarding the depth to groundwater beneath the subject property. Inspection of the geologic map suggests that groundwater may lie at an elevation no lower than 80 feet (30 feet beneath the subject property). This is the elevation of the top of the underlying fine grained soil with low permeability. Based on topographic conditions near the subject property and probable locations of groundwater discharge points near Port Gardner, we estimate that shallow groundwater flows in a westerly to northwesterly direction beneath the subject property.

4.0 SITE OBSERVATIONS AND SAMPLING

We arrived on-site on November 27, 2003. We found two open excavations on the east side of the site, adjacent to an alley. It was our understanding that the northerly excavation had contained the 2,000-gallon diesel UST and that the southerly excavation had contained two 500-gallon USTs. Soil that had been removed from the southerly excavation by Liger Lapinski LLC prior to our arrival was covered with plastic and stockpiled on the west side of the building.

We were directed to collect residual soil samples from the southerly excavation. Soil sample locations were selected based on the location of soil with detectable TPH and PCE as analyzed by others, and based on the assumed westerly to northwesterly direction of shallow groundwater flow. Soil sampling was completed in general concordance with the Guidance for Site Checks and Site Assessments for Underground Storage Tanks (Department of Ecology Underground Storage Tank Program, 2003).

The excavation comprised an area of approximately 155 square feet, and had been partially backfilled with imported sand and gravel, with the fill sloping slightly up towards the ground surface on the east side of the excavation. The depth of the west side of the excavation ranged from approximately 5 feet to 6 feet below the ground surface. The excavation extended approximately two feet underneath the building, and the base of the building foundation was exposed during our site visit. A broken sewer

pipe extended into the south side of the excavation from beneath the building. The pipe was broken during cleanup activities. The pipe was dry at the time of our site visit. It is our understanding that this pipe formerly transmitted liquids from floor drains inside the building. It is also our understanding that the pipe was repaired prior to backfilling the excavation, and the floor drains inside the building have been filled with concrete.

We proceeded to hand dig one test hole beneath the reported former location of each UST. Both test holes were advanced by hand through approximately two feet of fill soil until apparent native soil was encountered. Soil samples were collected by hand using the blade of a clean shovel at the base of each hole at a depth of approximately 8 feet below the ground surface.

A third sample was collected from the west sidewall of the excavation, underneath the building. A test hole was advanced through approximately 2 feet of fill soil until apparent native soil was encountered. This test hole was also approximately 8 feet below the ground surface. A soil sample were collected from the base of the hole.

A fourth sample was collected from the north sidewall at a depth of approximately 7 feet below the ground surface.

It was our understanding that each soil sample was collected at a depth consistent with the base of the excavation prior to the placement of fill soil. Native soil consisted of dark brown sand with a trace of gravel. No groundwater seeps were observed.

Soil samples were placed in 4-ounce glass sample containers supplied by the laboratory. Care was taken to completely fill each jar to minimize volatilization. Each container was labeled with the project number, date, time, sample number, and sampling personnel. Sample containers were placed in a cooler with ice-substitute immediately after sampling, and subsequently transported to our office and refrigerated. Samples were delivered to the laboratory by AGE on December 1, 2003.

5.0 SOIL SAMPLING RESULTS

All soil samples were analyzed by CCI Analytical Laboratories of Everett, Washington. Each sample was analyzed for chlorinated volatile organic compounds using the EPA-8260 method. There are no specific analytical methods to detect Stoddard solvent. Following consultation with the laboratory, each sample was also analyzed for volatile total petroleum hydrocarbons using the NWTPH-GX method to estimate the concentration of Stoddard solvent.

The chemical results are summarized in Table 2 and the complete laboratory report is presented in Appendix I. Data packages were checked for completeness immediately upon receipt from the laboratory

to ensure that data and QA/QC information requested were present. Data quality was assessed by considering hold times, surrogate recovery, and detection limits. All data were determined useable as qualified for the purposes of this project.

Volatile total petroleum hydrocarbons and chlorinated volatile organic compounds were not detected in any of the samples.

6.0 DISCUSSION AND CONCLUSIONS

It is our understanding that a total of 37.69 tons of soil was removed from the excavation and disposed at the Rinker Materials Inert Waste Landfill on December 18, 2003 by Liger Lapinski LLC. This volume is consistent with the size of the excavation we observed, less the volume of the tanks and soil previously removed by others. One sample of the disposed soil was collected and analyzed by Liger Lapinski LLC and a second sample was analyzed by Rinker Materials. Liger Lapinski LLC analyzed for volatile TPH and tetrachloroethylene at CCI Analytical Laboratories. Volatile TPH was detected at a concentration of 89 mg/kg and tetrachloroethylene was not detected above the detection limit of 0.06 mg/kg. Rinker Materials analyzed in-house for semi-volatile TPH, which was detected in the diesel range at a concentration of 93 mg/kg. Both lab reports indicated that the detected contaminant was mineral spirits or solvent based (which we interpret to be Stoddard solvent). Laboratory reports and a copy of the Certificate of Disposal is included in Appendix II of this report.

According to the Pinnacle Geosciences report, UST #1 (north tank) contained liquid and sludge, and UST #2 (south tank) was empty. Both tanks were described as corroded with pinholes, but the location of pinholes was not stated. According to a representative of Liger Lapinski LLC, corrosion and pinholes were limited to the upper half of each tank.

A sample collected by Pinnacle Geosciences beneath the north tank contained volatile TPH at a concentration of 8,000 mg/kg. The sample did not contain detectable concentrations of tetrachloroethylene, but the detection limit was elevated (20 mg/kg), apparently due to the high concentration of TPH. According to the Pinnacle Geosciences report an undisclosed volume of liquid and sludge, both of which contained TPH and tetrachloroethylene, was removed from the north tank and stored in drums. A representative of Liger Lapinski LLC stated that this material is currently stored in six 55-gallon drums inside of the building. Five of the drums are full, and one drum in half full. This amounts to a total volume of approximately 300 gallons, indicating that the north tank was approximately two-thirds full upon removal.

Pinnacle Geosciences did not analyze a sample beneath the empty tank (south tank), but sheen and vapor tests suggest that the south tank did not leak to a significant degree (Pinnacle sample S-1).

The only soil sample collected thus far with detectable concentrations of tetrachloroethylene was a sample from the west sidewall collected by Pinnacle Geosciences, prior to the cleanup completed by Liger Lapinski LLC. The sample contained tetrachloroethylene at a concentration of 12 mg/kg. This concentration is below the standard Method B cleanup level for direct contact of 19.6 mg/kg. Therefore, given the existing information and if it could be shown that groundwater is not at risk, no cleanup for PCE would have been required.

Given the assumptions and limitations described in Section 2 of this report, we conclude that soil in the UST pit containing TPH and tetrachloroethylene in concentrations above MTCA cleanup levels has been removed and disposed.

7.0 REFERENCES

City of Everett Zoning Map, dated October 25, 2001

Guidance for Site Checks and Site Assessments for Underground Storage Tanks, Department of Ecology Underground Storage Tank Program, Publication #90-52 (April, 2003 Revision).

Minard, J.P., 1981, Distribution and Description of the Geologic Units in the Everett Quadrangle, Washington, United States Geological Survey, Open-File Report, 81-248, Scale 1:24,000.

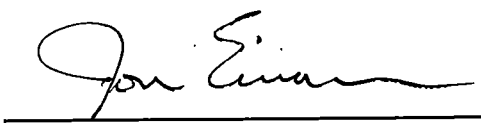
Model Toxics Control Act Cleanup Regulation, WAC Chapter 173-340, 2001 Revision.

8.0 SIGNATURES

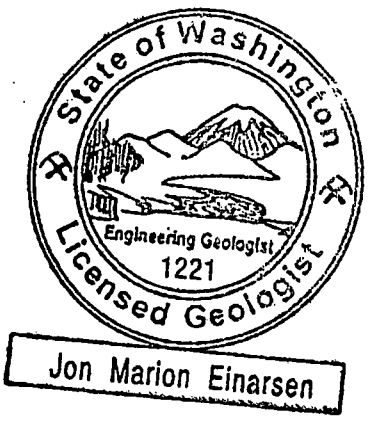
We appreciate the opportunity to provide our services, and have enjoyed working with you on this project. Should you have any questions or require further information regarding this report, please contact our office at (425) 353-9848 or toll-free at (866)-353-9848.

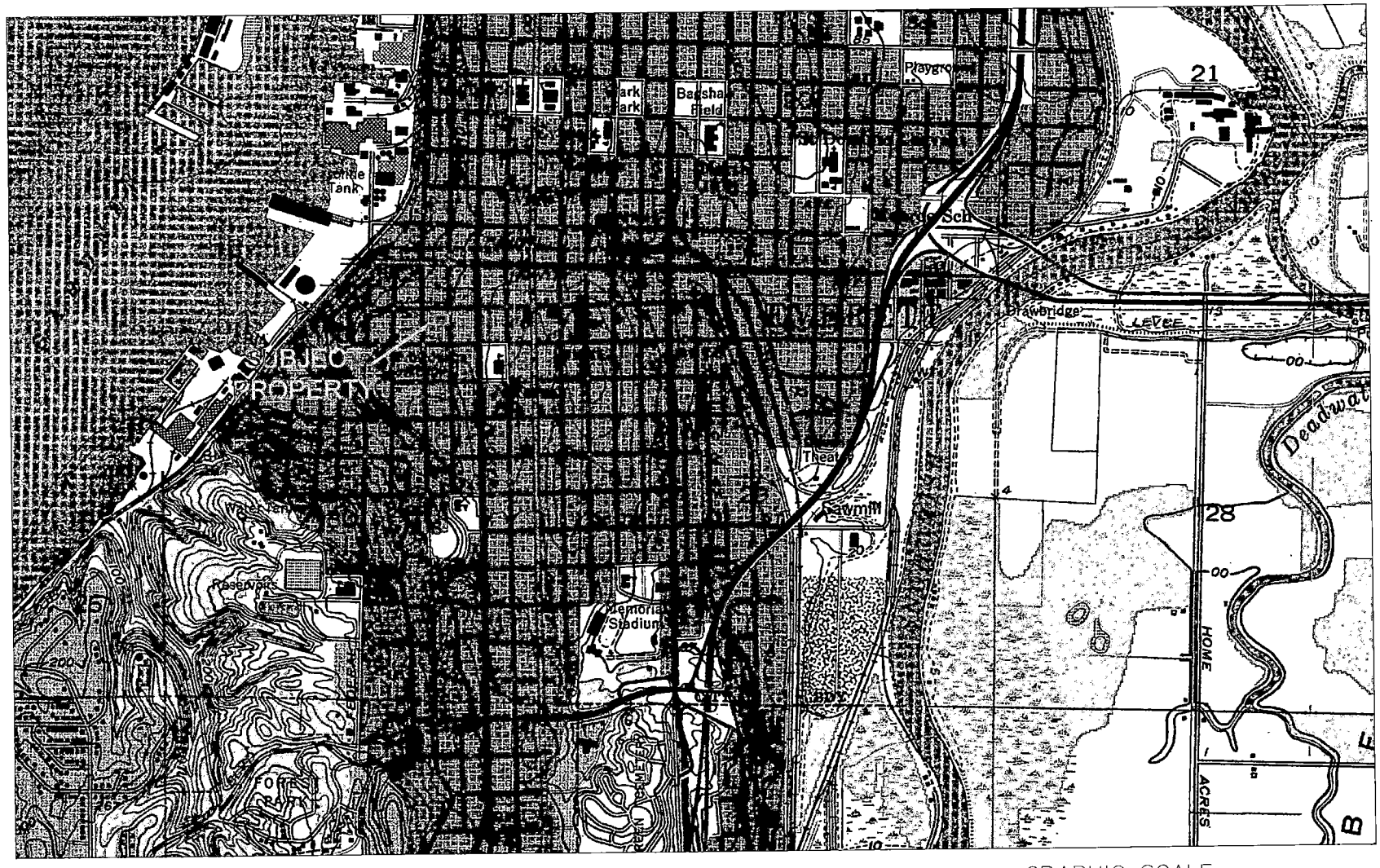
Sincerely yours,

ADEPT GEOSCIENCE & ENVIRONMENT, INC.



Jon M. Einarsen, Ph.D., LG
WA UST Assessor License #32-US-000684





REFERENCE: EVERETT QUADRANGLE (U.S.G.S., 1953, REVISED 1968 AND 1973)

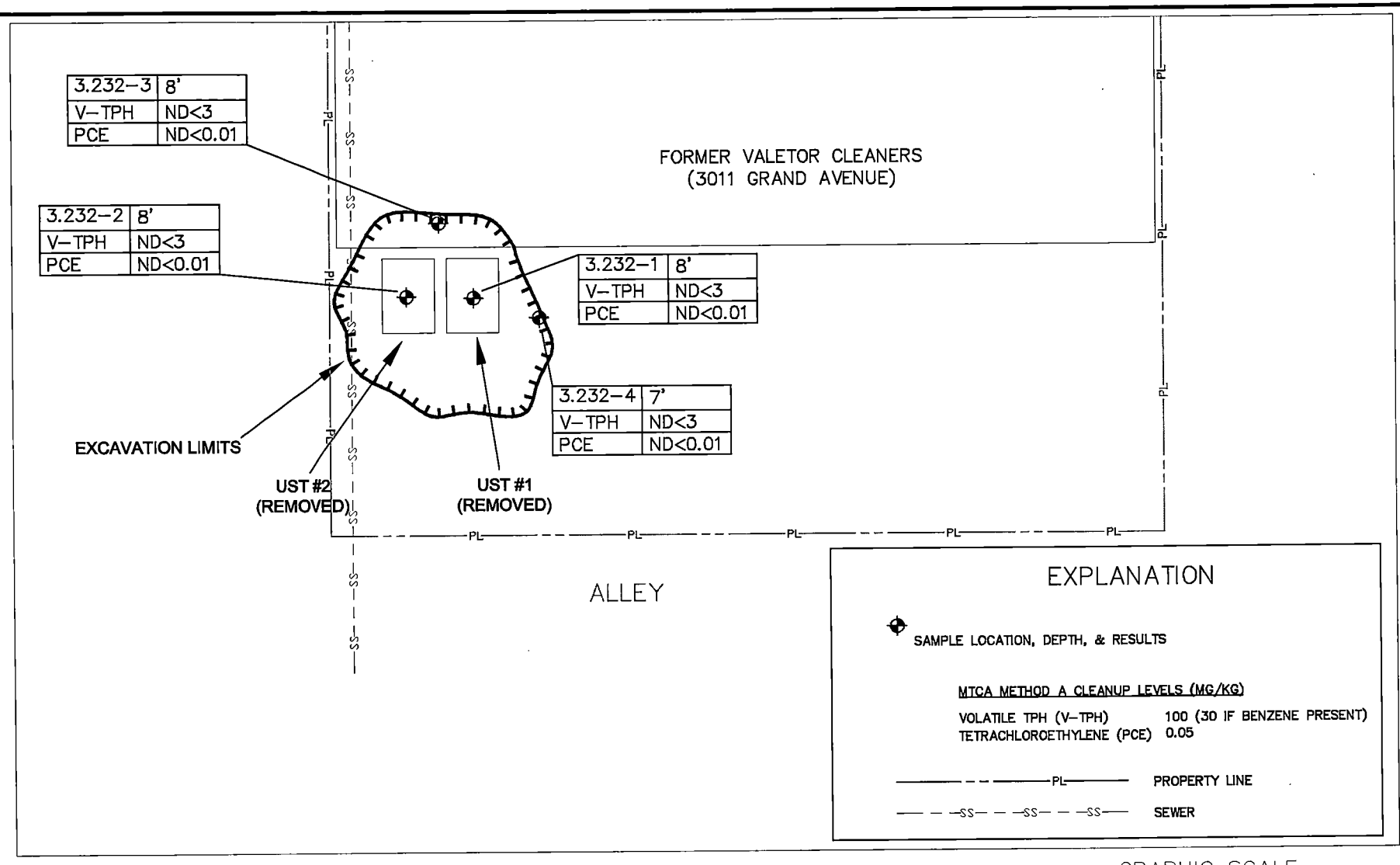
ADEPT Geoscience & Environment
ENVIRONMENTAL
ENGINEERING GEOLOGY
HYDROGEOLOGY
PHONE: (425) 353-9848

TOPOGRAPHIC MAP
SOIL SAMPLING & ANALYSIS
FORMER VALETOR CLEANERS
EVERETT, WASHINGTON

REFERENCE: LIGER LAPINSKI LLC	
DATE: 01/04	SCALE: 1" = 2000'
DESIGNED BY: JME	REVISION #: 1
DRAWN BY: JME	FILENAME: EVERETT.DWG

PROJECT NO. 3.232

FIGURE NO. 1



ADEPT Geoscience & Environment
ENVIRONMENTAL
ENGINEERING GEOLOGY
HYDROGEOLOGY
PHONE: (425) 353-9848

SITE PLAN
SOIL SAMPLING & ANALYSIS
FORMER VALETOR CLEANERS
EVERETT, WASHINGTON

REFERENCE: LIGER LAPINSKI LLC	
DATE: 01/04	SCALE: 1" = 10'
DESIGNED BY: JME	REVISION #: 1
DRAWN BY: JME	FILENAME: 3.232F2

PROJECT NO. 3.232

FIGURE NO. 2

Photo #1. UST excavation, view looking southwest. The excavation was partially backfilled with fill soil, and ranged from approximately 5 feet to 6 feet deep. Holes were advanced by hand through the fill to collect samples of apparent native soil at the base of the excavation.

Photo #2. Hand-dug hole for sample 3.232-3 can be seen in right-center part of photo. The pipe near the south side of the excavation was dry at the time of our site visit, but reportedly is a drain pipe for floor drains inside of the building.

Photo #3. Hand-dug hole for sample 3.232-4 can be seen in center of photo.

TABLE 1. Prospective Soil Cleanup Levels

Compound	Method A Unrestricted Land Use	Standard Method B Unrestricted Land Use	
		Direct Contact	Groundwater Protection
TPH (mg/kg)			
Volatile TPH	100[A]	See Text, Page 3	
Semi-Volatile TPH	2,000		
Volatile Organic Compounds (mg/kg)			
Tetrachloroethylene	0.05	19.6	0.009

[A] Gasoline mixtures without benzene and the total of ethyl benzene, toluene and xylene are less than 1% of the gasoline mixture. Cleanup level is 30 mg/kg for all other gasoline mixtures.

TABLE 2. Summarized Analytical Results

Sample ID	Location	Depth (ft.)	Volatile TPH (mg/kg)	Tetrachloroethylene (mg/kg)	Other VOC[B] (mg/kg)
3.232-1	Beneath UST #1	8	ND<3	ND<0.01	ND
3.232-2	Beneath UST #2	8	ND<3	ND<0.01	ND
3.232-3	West sidewall	8	ND<3	ND<0.01	ND
3.232-4	North sidewall	7	ND<3	ND<0.01	ND
MTCA Method A Cleanup Levels			100[A]	0.05	

[A] Gasoline mixtures without benzene and the total of ethyl benzene, toluene and xylene are less than 1% of the gasoline mixture. Cleanup level is 30 mg/kg for all other gasoline mixtures. [B] See laboratory report for detection limits. ND – Not detected at indicated concentration.

CCI Analytical Laboratories, Inc.
8620 Holly Drive
Everett, WA 98208
Phone (425) 356-2600
(206) 292-9059 Seattle
(425) 356-2626 Fax
http://www.ccilabs.com

Chain Of Custody/ Laboratory Analysis Request

CCI Job# (Laboratory Use Only) 312005

Date 12/1/03 Page 1 Of 1

PROJECT ID: 3.232
REPORT TO COMPANY: Adapt Engineering & Env
PROJECT MANAGER: Jon Swanson
ADDRESS: PO Box 1328
Everett WA 98206
PHONE: 425-353-9848 FAX: 425-353-8918
P.O. NUMBER: 3.232 E-MAIL:
INVOICE TO COMPANY: Same
ATTENTION:
ADDRESS:

SAMPLE I.D.	DATE	TIME	TYPE	LAB#
1. 3.232-1	11/27/03		SOIL	1
2. 3.232-2	"		"	2
3. 3.232-3	"		"	3
4. 3.232-4	"		"	4
5.				
6.				
7.				
8.				
9.				
10.				

ANALYSIS REQUESTED

	NWTPH-HCID	NWTPH-DX	NWTPH-GX	BTEX by EPA-8021	MTBE by EPA-8021 ☐ EPA-8260 ☐	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	Ethylene dibromide (EDB) by EPA-8260 ☐ EPA-504.1 ☐	1,2 Dichloroethene (EDC) by EPA-8260	Semivolatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA-8270 SIM ☐	PCB ☐ Pesticides ☐ by EPA 8081/8082	Metals-MTCA-5 ☐ RCRA-8 ☐ Pri Pol ☐ TAL ☐	Metals Other (Specify)	TCLP-Metals ☐ VOA ☐ Semi-Vol ☐ Pest ☐ Herbs ☐	OTHER (Specify)	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?
1.			X				X										2	
2.			↓				↓										↓	
3.			↓				↓											
4.			↓				↓											
5.																		
6.																		
7.																		
8.																		
9.																		
10.																		

REPORT COPY

SPECIAL INSTRUCTIONS

CCI Analytical Laboratories, Inc accepts and processes this request on the terms and conditions set forth on the reverse side. By its signature hereon, Customer accepts these terms and conditions.

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: Jon Swanson / AGE / 12-1-03 / 3:45 PM
   Received By: [signature] CCIAL 12/1/03 3:45
2. Relinquished By:
   Received By:

TURNAROUND REQUESTED in Business Days*

Organic, Metals & Inorganic Analysis: ☒ 10 Standard ☐ 5 ☐ 3 ☐ 2 ☐ 1 ☐ SAME DAY

Fuels & Hydrocarbon Analysis: ☒ 5 Standard ☐ 3 ☐ 1 ☐ SAME DAY

OTHER:

Specify:

CCI
ANALYTICAL
LABORATORIES, INC.

CERTIFICATE OF ANALYSIS

CLIENT: ADEPT GEOSCIENCE & ENV
P.O. BOX 1328
EVERETT, WA 98206-1328

DATE: 12/11/03
CCIL JOB #: 312005
CCIL SAMPLE #: 1
DATE RECEIVED: 12/1/03
WDOE ACCREDITATION #: C142

CLIENT CONTACT: JON EINARSEN

CLIENT PROJECT ID: 3.232
CLIENT SAMPLE ID: 3.232-1 11/27/03

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-VOLATILE RANGE	NWTPH-GX	ND	MG/KG	12/8/03	LAH
DICHLORODIFLUOROMETHANE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
CHLOROMETHANE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
VINYL CHLORIDE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
BROMOMETHANE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
CHLOROETHANE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
TRICHLOROFLUOROMETHANE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
ACETONE	EPA-8260	ND(<50)	UG/KG	12/5/03	CCN
1,1-DICHLOROETHENE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
METHYLENE CHLORIDE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
ACRYLONITRILE	EPA-8260	ND(<50)	UG/KG	12/5/03	CCN
METHYL T-BUTYL ETHER	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
TRANS-1,2-DICHLOROETHENE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
1,1-DICHLOROETHANE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
2-BUTANONE	EPA-8260	ND(<50)	UG/KG	12/5/03	CCN
CIS-1,2-DICHLOROETHENE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
2,2-DICHLOROPROPANE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
BROMOCHLOROMETHANE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
CHLOROFORM	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
1,1,1-TRICHLOROETHANE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
1,1-DICHLOROPROPENE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
CARBON TETRACHLORIDE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
1,2-DICHLOROETHANE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
BENZENE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
TRICHLOROETHENE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
1,2-DICHLOROPROPANE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
DIBROMOMETHANE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
BROMODICHLOROMETHANE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
TRANS-1,3-DICHLOROPROPENE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
4-METHYL-2-PENTANONE	EPA-8260	ND(<50)	UG/KG	12/5/03	CCN
TOLUENE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
CIS-1,3-DICHLOROPROPENE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
1,1,2-TRICHLOROETHANE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
2-HEXANONE	EPA-8260	ND(<50)	UG/KG	12/5/03	CCN
1,3-DICHLOROPROPANE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN

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CERTIFICATE OF ANALYSIS

CLIENT: ADEPT GEOSCIENCE & ENV
P.O. BOX 1328
EVERETT, WA 98206-1328

DATE: 12/11/03
CCIL JOB #: 312005
CCIL SAMPLE #: 1
DATE RECEIVED: 12/1/03
WDOE ACCREDITATION #: C142

CLIENT CONTACT: JON EINARSEN

CLIENT PROJECT ID: 3.232
CLIENT SAMPLE ID: 3.232-1 11/27/03

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TETRACHLOROETHYLENE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
DIBROMOCHLOROMETHANE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
1,2-DIBROMOETHANE	EPA-8260	ND(<5)	UG/KG	12/5/03	CCN
CHLOROBENZENE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
1,1,1,2-TETRACHLOROETHANE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
ETHYLBENZENE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
M+P XYLENE	EPA-8260	ND(<20)	UG/KG	12/5/03	CCN
STYRENE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
O-XYLENE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
BROMOFORM	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
ISOPROPYLBENZENE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
1,1,2,2-TETRACHLOROETHANE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
1,2,3-TRICHLOROPROPANE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
BROMOBENZENE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
N-PROPYL BENZENE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
2-CHLOROTOLUENE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
1,3,5-TRIMETHYLBENZENE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
4-CHLOROTOLUENE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
T-BUTYL BENZENE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
1,2,4-TRIMETHYLBENZENE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
S-BUTYL BENZENE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
P-ISOPROPYLTOLUENE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
1,3 DICHLOROBENZENE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
1,4-DICHLOROBENZENE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
N-BUTYLBENZENE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
1,2-DICHLOROBENZENE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
1,2-DIBROMO 3-CHLOROPROPANE	EPA-8260	ND(<50)	UG/KG	12/5/03	CCN
1,2,4-TRICHLOROBENZENE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
HEXACHLORO1,3-BUTADIENE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
NAPHTHALENE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
1,2,3-TRICHLOROBENZENE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN

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CLIENT: ADEPT GEOSCIENCE & ENV
P.O. BOX 1328
EVERETT, WA 98206-1328

DATE: 12/11/03
CCIL JOB #: 312005
CCIL SAMPLE #: 1
DATE RECEIVED: 12/1/03
WDOE ACCREDITATION #: C142

CLIENT CONTACT: JON EINARSEN

CLIENT PROJECT ID: 3.232
CLIENT SAMPLE ID: 3.232-1 11/27/03

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES OR AS FOLLOWS:
GASOLINE(VOLATILE RANGE) REPORTING LIMIT IS 3 MG/KG

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

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CERTIFICATE OF ANALYSIS

CLIENT: ADEPT GEOSCIENCE & ENV
P.O. BOX 1328
EVERETT, WA 98206-1328

DATE: 12/11/03
CCIL JOB #: 312005
CCIL SAMPLE #: 2
DATE RECEIVED: 12/1/03
WDOE ACCREDITATION #: C142

CLIENT CONTACT: JON EINARSEN

CLIENT PROJECT ID: 3.232
CLIENT SAMPLE ID: 3.232-2 11/27/03

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-VOLATILE RANGE	NWTPH-GX	ND	MG/KG	12/8/03	LAH
DICHLORODIFLUOROMETHANE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
CHLOROMETHANE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
VINYL CHLORIDE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
BROMOMETHANE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
CHLOROETHANE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
TRICHLOROFLUOROMETHANE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
ACETONE	EPA-8260	ND(<50)	UG/KG	12/5/03	CCN
1,1-DICHLOROETHENE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
METHYLENE CHLORIDE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
ACRYLONITRILE	EPA-8260	ND(<50)	UG/KG	12/5/03	CCN
METHYL T-BUTYL ETHER	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
TRANS-1,2-DICHLOROETHENE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
1,1-DICHLOROETHANE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
2-BUTANONE	EPA-8260	ND(<50)	UG/KG	12/5/03	CCN
CIS-1,2-DICHLOROETHENE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
2,2-DICHLOROPROPANE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
BROMOCHLOROMETHANE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
CHLOROFORM	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
1,1,1-TRICHLOROETHANE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
1,1-DICHLOROPROPENE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
CARBON TETRACHLORIDE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
1,2-DICHLOROETHANE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
BENZENE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
TRICHLOROETHENE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
1,2-DICHLOROPROPANE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
DIBROMOMETHANE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
BROMODICHLOROMETHANE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
TRANS-1,3-DICHLOROPROPENE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
4-METHYL-2-PENTANONE	EPA-8260	ND(<50)	UG/KG	12/5/03	CCN
TOLUENE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
CIS-1,3-DICHLOROPROPENE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
1,1,2-TRICHLOROETHANE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
2-HEXANONE	EPA-8260	ND(<50)	UG/KG	12/5/03	CCN
1,3-DICHLOROPROPANE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN

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CERTIFICATE OF ANALYSIS

CLIENT: ADEPT GEOSCIENCE & ENV
P.O. BOX 1328
EVERETT, WA 98206-1328

DATE: 12/11/03
CCIL JOB #: 312005
CCIL SAMPLE #: 2
DATE RECEIVED: 12/1/03
WDOE ACCREDITATION #: C142

CLIENT CONTACT: JON EINARSEN

CLIENT PROJECT ID: 3.232
CLIENT SAMPLE ID: 3.232-2 11/27/03

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TETRACHLOROETHYLENE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
DIBROMOCHLOROMETHANE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
1,2-DIBROMOETHANE	EPA-8260	ND(<5)	UG/KG	12/5/03	CCN
CHLOROBENZENE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
1,1,1,2-TETRACHLOROETHANE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
ETHYLBENZENE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
M+P XYLENE	EPA-8260	ND(<20)	UG/KG	12/5/03	CCN
STYRENE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
O-XYLENE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
BROMOFORM	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
ISOPROPYLBENZENE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
1,1,2,2-TETRACHLOROETHANE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
1,2,3-TRICHLOROPROPANE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
BROMOBENZENE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
N-PROPYL BENZENE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
2-CHLOROTOLUENE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
1,3,5-TRIMETHYLBENZENE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
4-CHLOROTOLUENE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
T-BUTYL BENZENE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
1,2,4-TRIMETHYLBENZENE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
S-BUTYL BENZENE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
P-ISOPROPYLTOLUENE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
1,3 DICHLOROBENZENE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
1,4-DICHLOROBENZENE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
N-BUTYLBENZENE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
1,2-DICHLOROBENZENE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
1,2-DIBROMO 3-CHLOROPROPANE	EPA-8260	ND(<50)	UG/KG	12/5/03	CCN
1,2,4-TRICHLOROBENZENE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
HEXACHLORO1,3-BUTADIENE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
NAPHTHALENE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN
1,2,3-TRICHLOROBENZENE	EPA-8260	ND(<10)	UG/KG	12/5/03	CCN

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CERTIFICATE OF ANALYSIS

CLIENT: ADEPT GEOSCIENCE & ENV
P.O. BOX 1328
EVERETT, WA 98206-1328

DATE: 12/11/03
CCIL JOB #: 312005
CCIL SAMPLE #: 2
DATE RECEIVED: 12/1/03
WDOE ACCREDITATION #: C142

CLIENT CONTACT: JON EINARSEN

CLIENT PROJECT ID: 3.232
CLIENT SAMPLE ID: 3.232-2 11/27/03

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES OR AS FOLLOWS:
GASOLINE(VOLATILE RANGE) REPORTING LIMIT IS 3 MG/KG

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

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CERTIFICATE OF ANALYSIS

CLIENT: ADEPT GEOSCIENCE & ENV
P.O. BOX 1328
EVERETT, WA 98206-1328

DATE: 12/11/03
CCIL JOB #: 312005
CCIL SAMPLE #: 3
DATE RECEIVED: 12/1/03
WDOE ACCREDITATION #: C142

CLIENT CONTACT: JON EINARSEN

CLIENT PROJECT ID: 3.232
CLIENT SAMPLE ID: 3.232-3 11/27/03

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-VOLATILE RANGE	NWTPH-GX	ND	MG/KG	12/8/03	LAH
DICHLORODIFLUOROMETHANE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
CHLOROMETHANE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
VINYL CHLORIDE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
BROMOMETHANE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
CHLOROETHANE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
TRICHLOROFLUOROMETHANE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
ACETONE	EPA-8260	ND(<50)	UG/KG	12/10/03	CCN
1,1-DICHLOROETHENE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
METHYLENE CHLORIDE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
ACRYLONITRILE	EPA-8260	ND(<50)	UG/KG	12/10/03	CCN
METHYL T-BUTYL ETHER	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
TRANS-1,2-DICHLOROETHENE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
1,1-DICHLOROETHANE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
2-BUTANONE	EPA-8260	ND(<50)	UG/KG	12/10/03	CCN
CIS-1,2-DICHLOROETHENE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
2,2-DICHLOROPROPANE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
BROMOCHLOROMETHANE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
CHLOROFORM	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
1,1,1-TRICHLOROETHANE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
1,1-DICHLOROPROPENE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
CARBON TETRACHLORIDE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
1,2-DICHLOROETHANE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
BENZENE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
TRICHLOROETHENE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
1,2-DICHLOROPROPANE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
DIBROMOMETHANE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
BROMODICHLOROMETHANE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
TRANS-1,3-DICHLOROPROPENE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
4-METHYL-2-PENTANONE	EPA-8260	ND(<50)	UG/KG	12/10/03	CCN
TOLUENE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
CIS-1,3-DICHLOROPROPENE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
1,1,2-TRICHLOROETHANE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
2-HEXANONE	EPA-8260	ND(<50)	UG/KG	12/10/03	CCN
1,3-DICHLOROPROPANE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN

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CERTIFICATE OF ANALYSIS

CLIENT: ADEPT GEOSCIENCE & ENV
P.O. BOX 1328
EVERETT, WA 98206-1328

DATE: 12/11/03
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CCIL SAMPLE #: 3
DATE RECEIVED: 12/1/03
WDOE ACCREDITATION #: C142

CLIENT CONTACT: JON EINARSEN

CLIENT PROJECT ID: 3.232
CLIENT SAMPLE ID: 3.232-3 11/27/03

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TETRACHLOROETHYLENE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
DIBROMOCHLOROMETHANE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
1,2-DIBROMOETHANE	EPA-8260	ND(<5)	UG/KG	12/10/03	CCN
CHLOROBENZENE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
1,1,1,2-TETRACHLOROETHANE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
ETHYLBENZENE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
M+P XYLENE	EPA-8260	ND(<20)	UG/KG	12/10/03	CCN
STYRENE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
O-XYLENE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
BROMOFORM	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
ISOPROPYLBENZENE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
1,1,2,2-TETRACHLOROETHANE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
1,2,3-TRICHLOROPROPANE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
BROMOBENZENE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
N-PROPYL BENZENE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
2-CHLOROTOLUENE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
1,3,5-TRIMETHYLBENZENE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
4-CHLOROTOLUENE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
T-BUTYL BENZENE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
1,2,4-TRIMETHYLBENZENE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
S-BUTYL BENZENE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
P-ISOPROPYLTOLUENE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
1,3 DICHLOROBENZENE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
1,4-DICHLOROBENZENE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
N-BUTYLBENZENE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
1,2-DICHLOROBENZENE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
1,2-DIBROMO 3-CHLOROPROPANE	EPA-8260	ND(<50)	UG/KG	12/10/03	CCN
1,2,4-TRICHLOROBENZENE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
HEXACHLORO1,3-BUTADIENE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
NAPHTHALENE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
1,2,3-TRICHLOROBENZENE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN

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CERTIFICATE OF ANALYSIS

CLIENT: ADEPT GEOSCIENCE & ENV
P.O. BOX 1328
EVERETT, WA 98206-1328

DATE: 12/11/03
CCIL JOB #: 312005
CCIL SAMPLE #: 3
DATE RECEIVED: 12/1/03
WDOE ACCREDITATION #: C142

CLIENT CONTACT: JON EINARSEN

CLIENT PROJECT ID: 3.232
CLIENT SAMPLE ID: 3.232-3 11/27/03

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES OR AS FOLLOWS:
GASOLINE(VOLATILE RANGE) REPORTING LIMIT IS 3 MG/KG

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

APPROVED BY:

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CERTIFICATE OF ANALYSIS

CLIENT: ADEPT GEOSCIENCE & ENV
P.O. BOX 1328
EVERETT, WA 98206-1328

DATE: 12/11/03
CCIL JOB #: 312005
CCIL SAMPLE #: 4
DATE RECEIVED: 12/1/03
WDOE ACCREDITATION #: C142

CLIENT CONTACT: JON EINARSEN

CLIENT PROJECT ID: 3.232
CLIENT SAMPLE ID: 3.232-4 11/27/03

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-VOLATILE RANGE	NWTPH-GX	ND	MG/KG	12/8/03	LAH
DICHLORODIFLUOROMETHANE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
CHLOROMETHANE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
VINYL CHLORIDE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
BROMOMETHANE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
CHLOROETHANE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
TRICHLOROFLUOROMETHANE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
ACETONE	EPA-8260	ND(<50)	UG/KG	12/10/03	CCN
1,1-DICHLOROETHENE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
METHYLENE CHLORIDE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
ACRYLONITRILE	EPA-8260	ND(<50)	UG/KG	12/10/03	CCN
METHYL T-BUTYL ETHER	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
TRANS-1,2-DICHLOROETHENE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
1,1-DICHLOROETHANE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
2-BUTANONE	EPA-8260	ND(<50)	UG/KG	12/10/03	CCN
CIS-1,2-DICHLOROETHENE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
2,2-DICHLOROPROPANE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
BROMOCHLOROMETHANE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
CHLOROFORM	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
1,1,1-TRICHLOROETHANE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
1,1-DICHLOROPROPENE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
CARBON TETRACHLORIDE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
1,2-DICHLOROETHANE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
BENZENE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
TRICHLOROETHENE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
1,2-DICHLOROPROPANE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
DIBROMOMETHANE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
BROMODICHLOROMETHANE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
TRANS-1,3-DICHLOROPROPENE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
4-METHYL-2-PENTANONE	EPA-8260	ND(<50)	UG/KG	12/10/03	CCN
TOLUENE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
CIS-1,3-DICHLOROPROPENE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
1,1,2-TRICHLOROETHANE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
2-HEXANONE	EPA-8260	ND(<50)	UG/KG	12/10/03	CCN
1,3-DICHLOROPROPANE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN

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CERTIFICATE OF ANALYSIS

CLIENT: ADEPT GEOSCIENCE & ENV
P.O. BOX 1328
EVERETT, WA 98206-1328

DATE: 12/11/03
CCIL JOB #: 312005
CCIL SAMPLE #: 4
DATE RECEIVED: 12/1/03
WDOE ACCREDITATION #: C142

CLIENT CONTACT: JON EINARSEN

CLIENT PROJECT ID: 3.232
CLIENT SAMPLE ID: 3.232-4 11/27/03

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TETRACHLOROETHYLENE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
DIBROMOCHLOROMETHANE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
1,2-DIBROMOETHANE	EPA-8260	ND(<5)	UG/KG	12/10/03	CCN
CHLOROBENZENE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
1,1,1,2-TETRACHLOROETHANE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
ETHYLBENZENE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
M+P XYLENE	EPA-8260	ND(<20)	UG/KG	12/10/03	CCN
STYRENE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
O-XYLENE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
BROMOFORM	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
ISOPROPYLBENZENE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
1,1,2,2-TETRACHLOROETHANE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
1,2,3-TRICHLOROPROPANE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
BROMOBENZENE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
N-PROPYL BENZENE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
2-CHLOROTOLUENE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
1,3,5-TRIMETHYLBENZENE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
4-CHLOROTOLUENE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
T-BUTYL BENZENE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
1,2,4-TRIMETHYLBENZENE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
S-BUTYL BENZENE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
P-ISOPROPYLTOLUENE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
1,3 DICHLOROBENZENE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
1,4-DICHLOROBENZENE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
N-BUTYLBENZENE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
1,2-DICHLOROBENZENE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
1,2-DIBROMO 3-CHLOROPROPANE	EPA-8260	ND(<50)	UG/KG	12/10/03	CCN
1,2,4-TRICHLOROBENZENE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
HEXACHLORO1,3-BUTADIENE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
NAPHTHALENE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN
1,2,3-TRICHLOROBENZENE	EPA-8260	ND(<10)	UG/KG	12/10/03	CCN

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CLIENT: ADEPT GEOSCIENCE & ENV
P.O. BOX 1328
EVERETT, WA 98206-1328

DATE: 12/11/03
CCIL JOB #: 312005
CCIL SAMPLE #: 4
DATE RECEIVED: 12/1/03
WDOE ACCREDITATION #: C142

CLIENT CONTACT: JON EINARSEN

CLIENT PROJECT ID: 3.232
CLIENT SAMPLE ID: 3.232-4 11/27/03

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES OR AS FOLLOWS:
GASOLINE(VOLATILE RANGE) REPORTING LIMIT IS 3 MG/KG

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

APPROVED BY:

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EVERETT, WA 98206-1328

DATE: 12/11/03
CCIL JOB #: 312005

DATE RECEIVED: 12/1/03
WDOE ACCREDITATION #: C142

CLIENT CONTACT: JON EINARSEN

CLIENT PROJECT ID: 3.232

QUALITY CONTROL RESULTS

SURROGATE RECOVERY

CCIL SAMPLE ID	ANALYTE	SUR ID	% RECV
312005-01	NWTPH-GX	TFT	91
312005-01	EPA-8260	1,2-DCE-d4	113
312005-01	EPA-8260	TOLUENE-d8	97
312005-01	EPA-8260	4-BFB	100
312005-02	NWTPH-GX	TFT	92
312005-02	EPA-8260	1,2-DCE-d4	114
312005-02	EPA-8260	TOLUENE-d8	99
312005-02	EPA-8260	4-BFB	98
312005-03	NWTPH-GX	TFT	89
312005-03	EPA-8260	1,2-DCE-d4	114
312005-03	EPA-8260	TOLUENE-d8	95
312005-03	EPA-8260	4-BFB	96
312005-04	NWTPH-GX	TFT	92
312005-04	EPA-8260	1,2-DCE-d4	108
312005-04	EPA-8260	TOLUENE-d8	97
312005-04	EPA-8260	4-BFB	95

APPROVED BY:

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CERTIFICATE OF ANALYSIS

CLIENT: DUNSTON BRADLEY
P.O BOX 13266
EVERETT, WA 98206

DATE: 12/18/03
CCIL JOB #: 312087
CCIL SAMPLE #: 1
DATE RECEIVED: 12/18/03
WDOE ACCREDITATION #: C142

CLIENT CONTACT: BRAD LIGER

CLIENT PROJECT ID: NONE GIVEN
CLIENT SAMPLE ID: GRAND 12/18 9:15

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-VOLATILE RANGE	NWTPH-GX	69	MG/KG	12/18/03	LAH
TETRACHLOROETHYLENE	EPA-8260	ND(<60)	UG/KG	12/18/03	CCN

NOTE: CHROMATOGRAM INDICATES SAMPLE CONTAINS PRODUCT WHICH IS LIKELY MINERAL SPIRITS

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES OR AS FOLLOWS: GASOLINE(VOLATILE RANGE) REPORTING LIMIT IS 5 MG/KG

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

APPROVED BY: CHL

8620 Holly Drive • Everett, WA 98208 • 425 356-2600 • FAX 425 356-2626 • Seattle 206 292-9059

CLIENT: DUNSTON BRADLEY
P.O BOX 13266
EVERETT, WA 98206

DATE: 12/18/03
CCIL JOB #: 312087

DATE RECEIVED: 12/18/03
WDOE ACCREDITATION #: C142

CLIENT CONTACT: BRAD LIGER

CLIENT PROJECT ID: NONE GIVEN

QUALITY CONTROL RESULTS

SURROGATE RECOVERY

CCIL SAMPLE ID	ANALYTE	SUR ID	% RECV
312087-01	NWTPH-GX	TFT	91
312087-01	EPA-8260	1,2-DCE-d4	101
312087-01	EPA-8260	4-BFB	112

APPROVED BY: CNL

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Rinker MATERIALS™

WDOE Accreditation # 1091

Lab Code:	2003-186	**Date Collected:**	12/19/03
Project:	Brad Liger	**Date Received:**	12/19/03
Matrix:	Soil	**Date Analyzed:**	12/19/03

Northwest Total Petroleum Hydrocarbons-Dx
Units: mg/Kg (ppm)
Dry Weight Basis

Diesel MRL = 25 mg/Kg
Oil MRL = 50 mg/Kg

Sample Name	Lab		Diesel	Oil
Brad Liger	186-1		*93	ND

ND: Non-Detect
MRL: Minimum Reporting Limit

*Result does not match typical Diesel fingerprint. Contaminant appears to be solvent based

Rinker MATERIALS™

Release of Liability/Certificate of Disposal

LIGER / LAPINSKI PROPERTIES: is released from liability for all petroleum contaminated soil originating from,

3011 GRAND AVE.
EVERETT WA.

and transported to:

Rinker Materials, Northwest Division.
6300 Glenwood Ave.
Everett WA 98203

On 12/18/2003

A total of 37.69 tons of petroleum-contaminated soil were transported to the above facility. The material was treated and disposed of in the following manner:

Landfill for Reclamation

Treatment/Disposal of the contaminated soil was performed in accordance with all applicable federal, state, and local laws and regulations.

Signed: Date: January 9, 2004

Larry W. Baker

Operations Manager,
Soil Remediation Division