PHASE II

ENVIRONMENTAL SITE ASSESSMENT

Columbia Oil Company-Sgt. Bubs Site
1345 Lee Blvd.
Richland, Washington

April 19, 2005

Prepared for:

Columbia Oil Company
2830 Troon Court
Richland, Washington 99352

Prepared by:

BLUE MOUNTAIN ENVIRONMENTAL CONSULTING, INC.
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PHASE II ENVIRONMENTAL SITE ASSESSMENT

Client:	Columbia Oil Company 2830 Troon Court Richland, WA 99352
Contact:	Colin & Sue Bleiler
Property:	Columbia Oil Company-Sgt Bubs Site 1345 Lee Blvd. Richland, WA
Key Site Manager:	Colin & Sue Bleiler
Environmental Professionals:	Peter H. Trabusiner, Engineer Jon A. Neely, P. E. (#21217)
Project Number:	E2005/0310
Report Date:	April 19, 2005

Executive Summary

Blue Mountain Environmental Consulting, Inc. (BMEC), was contracted by Columbia Oil Company, in Richland, Washington, to review available information and comment on the environmental status of the site in Richland.

The subject property, located at 1345 Lee Blvd., in Richland, Washington, is occupied by a large building with a construction company and a fresh produce store. From a review of historical information, and according to a copy of the Undergound Storage Tank (UST) Site Closure Report from 2000, conducted by White Shield, Inc., of Grandview, Washington, we know that the property was developed in the 1950s by Columbia Oil Company. The site was used by Columbia Oil Company from 1950 until about 1985 as bulk fuel storage and a service station. Since decommissioning, the site has been occupied by Sgt. Bub's and Ryder Sausage Haus.
The White Shield Report documents the excavations, cleaning and removal of three 8,000-gallon USTs, one 10,000-gallon diesel fuel UST, one 5,000-gallon gasoline UST, one 500-gallon used oil UST, and one 250-gallon heating oil UST.
Petroleum hydrocarbon contamination was detected in both the soil and groundwater at this site. A total of approximately 425 cubic tons of petroleum-contaminated soil (PCS) was removed and transported to Lower Valley Remediation, in Mabton, WA, for remedial treatment. Diesel contamination, ranging from 44 to 6,100 parts per million (ppm), gasoline contamination ranging from 0.64 to 25 ppm, benzene contamination ranging from 293 to 14,000 ppm, tolulene contamination, ranging from 0.25 to 370 ppm, ethylbenzine contamination ranging from 0.23 to 250 ppm, and total xylene contamination ranging from 0.76 to 1,200 ppm, remained in the soil. The contamination remaining in the soil ranges in depth from 8 feet to 13 feet.
Petroleum Pump & Equipment, Kennewick, WA, provided the UST excavation, decommissioning and transportation services. The laboratory analyses of 45 samples were provided by OnSite Environmental Laboratory, Redmond, WA, an EPA and State of Washington accredited laboratory. White Shield, Inc. provided the site assessment services. Additional transportation and disposal services were provided by Lower Valley Remediation, in Mabton. WA.

Due to lack of information, BMEC recommended a limited site investigation to determine if there is environmental liability present after many years of petroleum-related occupation. Following this recommendation, Blue Mountain Environmental, Inc. (BMEC), was contracted by Columbia Oil Company for the site investigation in March of 2005. BMEC concentrated the investigation at the areas where contamination from the previous fuel operation was most likely.

Mr. Peter Trabusiner, an Engineer, and Mr. Jon A. Neely, P.E., both with BMEC, conducted the subsurface soil investigation on March 17, 2005.
Environmental West Exploration, Inc., from Spokane, Washington, conducted the soil testing. Six test holes were driven with a Mobile Geo-Probe outfitted with a direct push 140-lb. drive hammer. (See location map)

The samples were taken with a mono-tube sampler fitted with a four foot long and two inch diameter PVC liner. Samples were taken at four foot increments. The samples were tested for petroleum hydrocarbons visually, olfactorily, and by headspace testing with a PID.

Test holes 2, 4, and 7 were located down-gradient of the inferred groundwater flow, southeast of the former USTs location, to intercept possibly migrating contamination. Test holes #1 and 3 were located to the north of the former USTs site. Test hole #6 was located up-gradient from the USTs site at the corner of Wellsian Way and Lee Blvd. Several of the soil samples screened in the field had indications for petroleum hydrocarbons, ranging from 35 to 1,980 ppm, at test holes #1, 3, 4, and 7.

Analysis of four selected soil samples taken from the test borings #2, 4, 6, and 7 was conducted by OnSite Environmental, Inc., in Redmond, Washington, and showed VOC contamination. Two water samples from test borings #1 and 6 showed petroleum hydrocarbons in the gasoline range, VOC's, and BTEX compounds. The level of contamination was above the Washington Model Toxics Control Act Cleanup Regulations (Chapter 173-340 WAC), and therefore further action is required at the site (see laboratory report). According to the laboratory report, none of the samples contained petroleum hydrocarbons in the lube oil range.

Given the history of the site and to obtain a No Further Action (NFA) letter, review through the Voluntary Cleanup Program (VCP) is recommended. This includes the installation of a minimum of four monitoring wells, and ground water monitoring has to be conducted for up to five years. The installation of the wells shall be supervised by a professional geologist. The wells will be 2" in diameter, 25 foot deep with 10 foot of screen, and have flush ground-mount monuments.

Phase II Environmental Site Assessment Overview

Purpose:

The purpose of this Phase II Environmental Site Assessment was to investigate and evaluate through soil sampling and testing by a trained environmental professional the presence or likely existence of:

- Contamination by petroleum products which had been stored and handled at the previously demolished gas station.

- A brief overview, evaluation, and assessment of the severity of the current potential environmental risk based upon known standards or applicable regulations.

Unless specifically noted within the text of this report, this site investigation does not include or address groundwater with respect to testing, or sampling analysis.

Protocol:

The procedure for this Phase II Environmental Site Assessment was to perform in practical and reasonable steps--employing currently available technology, existing regulations, and generally acceptable engineering practices--an investigation to ascertain the possibility, presence, or absence of an environmental release as limited by the Scope of Work.

Objectives:

- To provide environmental information that will assist in evaluating ownership's risk of potential loss or value impairment of the security interest, due to environmental defects. To provide information for decisions and operational limitations concerning the National Pollution Contingency Plan Under CERCLA, Lender Liability Final Rule 40 CFR Part 300 XI.

While this Phase II Environmental Site Assessment cannot absolutely quantify and qualify every possible past and present environmental risk, the assessment does provide a partial information basis for reasonable decision making regarding the potential for environmental liabilities and

risk, based upon the current site-specific situation, assessment limitations, and methods of evaluation.

General Site Reconnaissance Overview

Blue Mountain Environmental Consulting, Inc. (BMEC), was retained by Columbia Oil Company, from Richland, Washington, to perform a Phase II Environmental Site Assessment at the site of an old gas station long since removed, in what is now a building occupied by a construction company, located at the corner of 1345 Lee Blvd., Richland, Washington.

The weather during the site investigation was sunny with temperatures in the 40s (°F).

Physical Setting Source:

The property's physical location was researched employing a United States Geological Survey (USGS) 7.5 Minute Topographic Quadrangle (Quad) Map section relevant to the property. The USGS 7.5 Minute Quad Map has an approximate scale of 1 inch to 2,000 feet, and shows physical features such as wetlands, water bodies, roadways, mines, and buildings.

The physical and natural features illustrated on the Quad Map served as areas of visual emphasis when conducting the site inspection of the property. The USGS 7.5 Minute Quad Map was used as the only Standard Physical Setting Source, and was sufficient as a single reference.

According to the topographic map, the property is located approximately one mile north of Highway 182 on Lee Blvd. in downtown Richland. No railroad right-of ways, wetlands, or quarries are identified in the area of the property. According to the topographic map, the surface elevation of the site is approximately 700 feet above mean sea level. In addition, this map indicated that the topography in the general area of the property slopes toward the south-southeast (Columbia River).

Visual Description:

At the time of the site inspection, a building occupied by a construction company was located at the site, in addition to a fresh produce store. The site is accessible from the north from Lee Blvd. To the west across Wellsian Way is the Carmichael Middle School campus, to the east is a Quick Lube building, and to the south is the Atomic Bowl Casino. No pits, ponds, swales, or lagoons were observed on the property. The overall topography of the property appeared flat.

Subsurface and Hydrological Characteristics:

Core samples brought up from the borings were virtually identical. The top 4-inches of each boring was asphalt and gravel. The remainder of each boring was sand varying in coarseness with the depth of each boring. Generally the sand was finer with more moisture near the bottom of each boring. There was a minor amount of silt material mixed in with the sand. The predominant color was light brownish to yellowish.
All of the soil samples had some visual evidence for petroleum hydrocarbons.

The property lies within the boundaries of a mixed aquifer located under the Tri-Cities, influenced by the Columbia River. There are no records of wells existing on the property.
According to the Washington Department of Agriculture, Soil Conservation, the ground water level is estimated at 15 feet in the area of the property. According to the Aquiflow Information System, the general direction of the groundwater flow is to the south.

Surface flow of water is typically to the south but has been modified by the construction of impermeable surfaces and anthropogenic pathways, i.e., roadways, storm drains, and catch basins. The groundwater gradient inferred from topography is to the south-southwest following the hydraulic gradient influenced by the Columbia River.

Sampling Rationale:

Seven test borings were made (see location map). Core samples were field screened from each boring at 4 foot increments. A total of four soil samples, one from the bottom of borings #2, 4, 6, and 7 were sent to the laboratory.
Groundwater was encountered during our site investigation, and samples SB 317-1-01 and SB 317-6-01, were sampled for TPH-G/BTEX, VOCs, EDB, EDC, and MTBE.

Sampling Method:

The soil samples for the laboratory were collected from the PVC liner fitted inside the two inch tube sampler (see photo documentation). The boring and sampling equipment was cleaned between each boring with an Alconox solution and triple-rinsed with distilled water. Soil samples were collected from the liner with new latex gloves, labeled with sample number, date and time collected, and placed in an ice chest containing 'blue-ice' for UPS overnight delivery to OnSite Environmental Laboratory, in Redmond, Washington.
The Washington State Department of Ecology has implemented changes to the method for collecting and preparing soil samples for Volatiles by EPA Method 8260B and NWTPH-Gx/BTEX analyses. EPA Method 5035A was developed and approved in July 2002 and has been included in the third edition of "Test Methods for Evaluating Solid Wastes" (SW-846).

Volatiles by EPA 8260B
2 sodium bisulfate preserved, pre-weighed vials (per sample) containing a magnetic stir bar for low level analysis.
1 methanol preserved, pre-weighed vial (per sample) for high level analysis.
1 two or four ounce jar for percent total solids determination.

NWTPH-Gx/BTEX
1 pre-weighed vial (per sample) containing methanol for high level analysis.
1 two or four ounce jar for percent total solids determination.

The samples were accompanied by a chain-of-custody and the request for analysis.

Field Screening:

Field testing was done by utilizing the "head space" field screening method to detect volatiles as measured by a Photo Ionization Detector (PID).
Soils are contained inside a sealed glass container and exposed to a heat source. The volatile components in the soil evaporate and are contained within the "head space." The Teflon probe of the PID is inserted through the seal and the gases are extracted and measured within the PID.

Water samples were collected with a peristaltic pump with a silicon tube lowered to the water level. Water samples were placed in 40-milliliter vials (volatile organic analysis-VOA). All sample containers were new (except for containing HCL preservative prepared by the laboratory). The vials were used for water samples to be analyzed for gasoline and gasoline constituents (e.g. BTEX). Disposable latex gloves were used at all times during sampling. Each sample container was closed with a plastic screw cap onto a Teflon faced septum which was used to seal the bottle without headspace. Each sample bottle was then inverted and tapped to test for air bubbles. The bottles were labeled and placed in an ice chest with blue-ice for transport to the laboratory. All samples were accompanied from the field to laboratory by a signed and dated chain-of-custody and request for analysis. Two (2) VOA's were filled with groundwater from each geo-probe boring for analysis.
Free product or petroleum odors were not observed during water sampling.
Analysis of the samples taken during the site activities was conducted by On Site Environmental, Inc., in Redmond, Washington, an EPA and State of Washington accredited laboratory.

Sampling Results:

All soil samples were tested for the presence of TPH-G/BTEX compounds by Method 5035A, and VOCs by Method 8260B. Water samples were tested for TPH-G/BTEX and VOCs by Method 8260B. Water samples were additionally sampled for EDB, EDC, and MTBE compounds.

Matrix: Soil-mg/Kg

Sample Number	NWTPH-Gx/BTEX
SB317-2-01	ND
SB317-4-01	ND
SB317-6-02	ND
SB317-7-01	ND

ND= Non Dedect

Volatiles by EPA 8260B

Contaminant (ppb)	SB317-2-01	SB317-4-01	SB317-6-02	SB317-7-01
Tolulene	0.0023		0.0016	0.0014
Ethylbenzene			0.0019	0.0042
m,p-Xylene				0.0052
o-Xylene				
n-Propylbenzene				0.0018
1,3,5-Trimethylbenzene	0.0024			0.0028
1,2,4-Trimethylbenzene	0.0069			0.0078
p-Isopropyltolulene				
Napthalene	0.0069			0.0017
Chloroform				
Acetone		0.097	0.020	0.028
Benzene			0.0023	0.0028
Dichloropropane				0.0010
2-Butanone				0.0064

Volatiles by EPA 8260B
Matrix: Water/ppb

Contaminant (ppb)	SB317-1-01	SB317-6-01
Tolulene	40	0.25
Ethylbenzene	960	0.42
m,p-Xylene	1,000	0.71
o-Xylene	54	ND
n-Propylbenzene	320	0.57
1,3,5-Trimethylbenzene	440	0.94
1,2,4-Trimethylbenzene	1,400	2.2
p-Isopropyltolulene	17	0.21
Napthalene	190	ND
Chloroform	ND	0.36
TPH-G	2,400	ND

Compounds not detected are not included in this results table. See laboratory report in the appendix.
EDB was not detected in the water samples.

Conclusions:

Volatile organic compounds (VOCs) contamination above the Washington Model Toxics Control Act (WMTCA) cleanup regulation levels (Chapter 173-340 WAC) were detected in the soil during our site investigation, and groundwater sampled showed TPH-G/BTEX and VOC contamination above the WMTCA cleanup levels; therefore, further action will be required at this site. (See laboratory report).

The installation of minimum of three monitoring wells is required. Ground water monitoring has to be conducted from one year up to five years. Installation of the wells will be supervised by a professional geologist and the depth of the wells will be 25 feet with 10 feet of screen.

STATEMENT OF THE ENVIRONMENTAL PROFESSIONALS

Statement of Quality Assurance

I have performed this Assessment in accordance with generally accepted environmental practices and procedures, as of the date of this report. I have employed the degree of care and skill ordinarily exercised under similar circumstances by reputable environmental professionals practicing in this area. The conclusions contained within this Assessment are based upon site conditions I readily observed or which were reasonably ascertainable and present at the time of the site inspection.

The conclusions and recommendations stated in this report are based upon personal observations made by employees of BMEC and upon information provided by others. I have no reason to suspect or believe that the information provided by others is inaccurate.

Blue Mountain Environmental Consulting, Inc.

Peter H. Trabusiner
Engineer

Statement of Quality Control

The objective of this Environmental Site Assessment was to ascertain the potential presence or absence of environmental problems that could impact the subject property, as delineated by the Scope of Work. The procedure was to perform reasonable steps in accordance with the existing regulations, currently available technology, and generally accepted engineering practices in order to accomplish the stated objective.
To the best of my knowledge, this site investigation has been performed in compliance with BMEC's Standard Operating Procedures protocol for Environmental Site Assessments.

Blue Mountain Environmental Consulting, Inc.

Jon A. Neely P.E.

Report Limitations:

The enclosed site assessment has been performed for the exclusive use of, Columbia Oil Company, or agents specified by them for the transaction at issue concerning the subject property, in Richland, Washington.

The purpose of an environmental investigation is to evaluate potential or actual effects of past or current practices on a given site. In performing an environmental investigation, a balance must be struck between reasonable inquiry into environmental issues and an exhaustive analysis of every conceivable issue of possible concern. This environmental assessment contains BMEC opinion regarding environmental issues of concern and/or additional issues that may need to be addressed. In rendering our professional opinion, BMEC warrants that the services provided within the scope of this assessment were performed, within the limits described, in accordance with generally accepted environmental consulting principles and practices. No other warranty, expressed or implied, is made. The following paragraphs describe the assumptions and standard parameters under which such opinion is rendered.

Any opinions and/or recommendations presented in this report apply to site conditions existing at the time of performance of services. BMEC is unable to report on or accurately predict events that may affect the site after performance of services, whether occurring naturally or caused by human forces. BMEC assumes no responsibility for conditions BMEC did not investigate, or conditions not generally recognized as environmentally unacceptable at the time services were performed.

Where subsurface work was performed, BMEC professional opinions are based in part on the interpretation of data from discrete sample locations that may not represent actual conditions at the non-sampled locations.

Except where there is expressed concern of our client, or where specific environmental contaminants have previously been reported by others, naturally occurring toxic substances, potential environmental contaminants located inside buildings, or contaminant concentrations not of current environmental concern, may not be addressed in this document.

No assessment is thorough enough to exclude the presence of hazardous materials at a given site. Therefore, if specific hazardous materials have not been identified during this assessment, the lack of such identifications should not be construed as a guarantee of the absence of hazardous materials, but merely as the result of services performed within the scope, limitations, and cost of work done.

BMEC is not responsible for the effects of changes in applicable environmental standards, practices, or regulations after the performance of services.

Services provided for this assessment were performed in accordance with BMEC's agreement and understanding with our client, which may not be fully disclosed in this report. Opinions and/or recommendations are intended for the client, purpose, site, location, time frame, and project parameters indicated.

This report was prepared solely for the use of our client, and should be reviewed in its entirety; BMEC is not responsible for subsequent separation, detachment, or partial use of this document. Any reliance on this report by a third party shall be at such party's sole risk.

OnSite Environmental Inc.
Analytical Testing and Mobile Laboratory Services

March 31, 2005

Peter Trabusiner
Blue Mountain Environmental, Inc.
1500 Adair Drive
Richland, WA 99352

Re: Analytical Data for Project E 2005/0310
Laboratory Reference No. 0503-206

Dear Peter:

Enclosed are the analytical results and associated quality control data for samples submitted on March 22, 2005.

The standard policy of OnSite Environmental Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

Date of Report: March 31, 2005
Samples Submitted: March 22, 2005
Laboratory Reference: 0503-206
Project: E 2005/0310

Case Narrative

Samples were collected on March 17, 2005 and received by the laboratory on March 22, 2005. They were maintained at the laboratory at a temperature of 2°C to 6°C.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

NWTPH Gx (Water) Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials preserved with Methanol and Sodium Bisulfate.

The sample container for sample SB317-6-01 contained headspace (larger than pea-sized air pocket).

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

Volatiles EPA 8260B (Water) Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials preserved with Methanol and Sodium Bisulfate.

Some MTCA cleanup levels are non-achievable for sample SB317-1-01 due to the high concentration of hydrocarbons in the sample.

The sample container used for the Volatiles analysis of sample SB317-6-01 contained headspace (larger than pea-sized air pocket). All the VOAs provided for this sample had similar amounts of headspace.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

EDB by EPA 8011 (Water) Analysis

The surrogate recovery for the sample SB317-1-01 (03-206-01) was below the control limits of 41 – 162%. It was re-extracted and was still below control limits. Since all other QC was within limits, no further action is necessary.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

Date of Report: March 31, 2005
Samples Submitted: March 22, 2005
Laboratory Reference: 0503-206
Project: E 2005/0310

NWTPH-Gx

Date Extracted: 3-24-05
Date Analyzed: 3-24-05

Matrix: Water
Units: ug/L (ppb)

Client ID:	**SB317-1-01**			**SB317-6-01**		
Lab ID:	03-206-01			03-206-04		
	Result	Flags	PQL	**Result**	Flags	PQL
TPH-Gas	**24000**		1000	**ND**		100
Surrogate Recovery:						
Fluorobenzene	116%			114%		

Date of Report: March 31, 2005
Samples Submitted: March 22, 2005
Laboratory Reference: 0503-206
Project: E 2005/0310

NWTPH-Gx
METHOD BLANK QUALITY CONTROL

Date Extracted:	3-24-05
Date Analyzed:	3-24-05
Matrix: Water	
Units: ug/L (ppb)	
Lab ID:	MB0324W1

	Result	Flags	PQL
TPH-Gas	**ND**		100
Surrogate Recovery:			
Fluorobenzene	112%		

Date of Report: March 31, 2005
Samples Submitted: March 22, 2005
Laboratory Reference: 0503-206
Project: E 2005/0310

NWTPH-Gx
DUPLICATE QUALITY CONTROL

Date Extracted: 3-24-05
Date Analyzed: 3-24-05

Matrix: Water
Units: ug/L (ppb)

Lab ID:	03-241-02 **Original**	03-241-02 **Duplicate**	**RPD**	**Flags**
TPH-Gas	**ND**	**ND**	NA	
Surrogate Recovery:				
Fluorobenzene	98%	100%		

Date of Report: March 31, 2005
Samples Submitted: March 22, 2005
Laboratory Reference: 0503-206
Project: E 2005/0310

NWTPH-Gx

Date Extracted:	3-24-05					
Date Analyzed:	3-25-05					
Matrix: Soil						
Units: mg/kg (ppm)						
Client ID:	**SB317-2-01**			**SB317-4-01**		
Lab ID:	03-206-02			03-206-03		
	Result	Flags	PQL	**Result**	Flags	PQL
TPH-Gas	**ND**		9.1	**ND**		5.7
Surrogate Recovery:						
Fluorobenzene	85%			78%		

Date of Report: March 31, 2005
Samples Submitted: March 22, 2005
Laboratory Reference: 0503-206
Project: E 2005/0310

NWTPH-Gx

Date Extracted:	3-24-05					
Date Analyzed:	3-25-05					
Matrix: Soil						
Units: mg/kg (ppm)						
Client ID:	**SB317-6-02**			**SB317-7-01**		
Lab ID:	03-206-05			03-206-06		
	Result	Flags	PQL	**Result**	Flags	PQL
TPH-Gas	**ND**		5.9	**ND**		5.2
Surrogate Recovery:						
Fluorobenzene	82%			88%		

Date of Report: March 31, 2005
Samples Submitted: March 22, 2005
Laboratory Reference: 0503-206
Project: E 2005/0310

NWTPH-Gx
METHOD BLANK QUALITY CONTROL

Date Extracted: 3-24-05
Date Analyzed: 3-24-05

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB0324S1

	Result	Flags	PQL
TPH-Gas	**ND**		5.0
Surrogate Recovery:			
Fluorobenzene	93%		

Date of Report: March 31, 2005
Samples Submitted: March 22, 2005
Laboratory Reference: 0503-206
Project: E 2005/0310

NWTPH-Gx
DUPLICATE QUALITY CONTROL

Date Extracted: 3-24-05
Date Analyzed: 3-24-05

Matrix: Soil
Units: mg/kg (ppm)

Lab ID:	03-205-01 Original	03-205-01 Duplicate	RPD	Flags
TPH-Gas	ND	ND	NA	
Surrogate Recovery:				
Fluorobenzene	79%	84%		

Date of Report: March 31, 2005
Samples Submitted: March 22, 2005
Laboratory Reference: 0503-206
Project: E 2005/0310

VOLATILES by EPA 8260B

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Date Extracted:	3-24-05
Date Analyzed:	3-25-05
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	03-206-01
Client ID:	**SB317-1-01**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		10
Chloromethane	ND		10
Vinyl Chloride	ND		10
Bromomethane	ND		10
Chloroethane	ND		10
Trichlorofluoromethane	ND		10
1,1-Dichloroethene	ND		10
Acetone	ND		250
Iodomethane	ND		50
Carbon Disulfide	ND		10
Methylene Chloride	ND		50
(trans) 1,2-Dichloroethene	ND		10
Methyl t-Butyl Ether	ND		10
1,1-Dichloroethane	ND		10
Vinyl Acetate	ND		50
2,2-Dichloropropane	ND		10
(cis) 1,2-Dichloroethene	ND		10
2-Butanone	ND		250
Bromochloromethane	ND		10
Chloroform	ND		10
1,1,1-Trichloroethane	ND		10
Carbon Tetrachloride	ND		10
1,1-Dichloropropene	ND		10
Benzene	ND		10
1,2-Dichloroethane	ND		10
Trichloroethene	ND		10
1,2-Dichloropropane	ND		10
Dibromomethane	ND		10
Bromodichloromethane	ND		10
2-Chloroethyl Vinyl Ether	ND		50
(cis) 1,3-Dichloropropene	ND		10
Methyl Isobutyl Ketone	ND		50
Toluene	40		10
(trans) 1,3-Dichloropropene	ND		10

Date of Report: March 31, 2005
Samples Submitted: March 22, 2005
Laboratory Reference: 0503-206
Project: E 2005/0310

VOLATILES by EPA 8260B

Lab ID: 03-206-01
Client ID: SB317-1-01

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		10
Tetrachloroethene	ND		10
1,3-Dichloropropane	ND		10
2-Hexanone	ND		50
Dibromochloromethane	ND		10
1,2-Dibromoethane	ND		10
Chlorobenzene	ND		10
1,1,1,2-Tetrachloroethane	ND		10
Ethylbenzene	960		10
m,p-Xylene	1000		20
o-Xylene	54		10
Styrene	ND		10
Bromoform	ND		50
Isopropylbenzene	100		10
Bromobenzene	ND		10
1,1,2,2-Tetrachloroethane	ND		10
1,2,3-Trichloropropane	ND		10
n-Propylbenzene	320		10
2-Chlorotoluene	ND		10
4-Chlorotoluene	ND		10
1,3,5-Trimethylbenzene	440		10
tert-Butylbenzene	ND		10
1,2,4-Trimethylbenzene	1400		10
sec-Butylbenzene	ND		10
1,3-Dichlorobenzene	ND		10
p-Isopropyltoluene	17		10
1,4-Dichlorobenzene	ND		10
1,2-Dichlorobenzene	ND		10
n-Butylbenzene	ND		10
1,2-Dibromo-3-chloropropane	ND		50
1,2,4-Trichlorobenzene	ND		10
Hexachlorobutadiene	ND		10
Naphthalene	190		50
1,2,3-Trichlorobenzene	ND		10

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	87	70-123
Toluene, d8	100	70-119
4-Bromofluorobenzene	112	70-119

Date of Report: March 31, 2005
Samples Submitted: March 22, 2005
Laboratory Reference: 0503-206
Project: E 2005/0310

VOLATILES by EPA 8260B

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Date Extracted:	3-24-05
Date Analyzed:	3-25-05
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	03-206-04
Client ID:	**SB317-6-01**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		0.20
Vinyl Chloride	ND		0.20
Bromomethane	ND		0.20
Chloroethane	ND		0.20
Trichlorofluoromethane	ND		0.20
1,1-Dichloroethene	ND		0.20
Acetone	ND		5.0
Iodomethane	ND		1.0
Carbon Disulfide	ND		0.20
Methylene Chloride	ND		1.0
(trans) 1,2-Dichloroethene	ND		0.20
Methyl t-Butyl Ether	ND		0.20
1,1-Dichloroethane	ND		0.20
Vinyl Acetate	ND		1.0
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	ND		0.20
2-Butanone	ND		5.0
Bromochloromethane	ND		0.20
Chloroform	0.36		0.20
1,1,1-Trichloroethane	ND		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
Benzene	ND		0.20
1,2-Dichloroethane	ND		0.20
Trichloroethene	ND		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
Methyl Isobutyl Ketone	ND		1.0
Toluene	0.25		0.20
(trans) 1,3-Dichloropropene	ND		0.20

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Lab ID: 03-206-04
Client ID: SB317-6-01

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.20
Tetrachloroethene	ND		0.20
1,3-Dichloropropane	ND		0.20
2-Hexanone	ND		1.0
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Ethylbenzene	0.42		0.20
m,p-Xylene	0.71		0.40
o-Xylene	ND		0.20
Styrene	ND		0.20
Bromoform	ND		1.0
Isopropylbenzene	ND		0.20
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
n-Propylbenzene	0.57		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3,5-Trimethylbenzene	0.94		0.20
tert-Butylbenzene	ND		0.20
1,2,4-Trimethylbenzene	2.2		0.20
sec-Butylbenzene	ND		0.20
1,3-Dichlorobenzene	ND		0.20
p-Isopropyltoluene	0.21		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
n-Butylbenzene	ND		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
Naphthalene	ND		1.0
1,2,3-Trichlorobenzene	ND		0.20

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	106	70-123
Toluene, d8	101	70-119
4-Bromofluorobenzene	110	70-119

Date of Report: March 31, 2005
Samples Submitted: March 22, 2005
Laboratory Reference: 0503-206
Project: E 2005/0310

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METHOD BLANK QUALITY CONTROL
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Date Extracted:	3-24-05
Date Analyzed:	3-24-05
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	MB0324W1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		0.20
Vinyl Chloride	ND		0.20
Bromomethane	ND		0.20
Chloroethane	ND		0.20
Trichlorofluoromethane	ND		0.20
1,1-Dichloroethene	ND		0.20
Acetone	ND		5.0
Iodomethane	ND		1.0
Carbon Disulfide	ND		0.20
Methylene Chloride	ND		1.0
(trans) 1,2-Dichloroethene	ND		0.20
Methyl t-Butyl Ether	ND		0.20
1,1-Dichloroethane	ND		0.20
Vinyl Acetate	ND		1.0
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	ND		0.20
2-Butanone	ND		5.0
Bromochloromethane	ND		0.20
Chloroform	ND		0.20
1,1,1-Trichloroethane	ND		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
Benzene	ND		0.20
1,2-Dichloroethane	ND		0.20
Trichloroethene	ND		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
Methyl Isobutyl Ketone	ND		1.0
Toluene	ND		0.20
(trans) 1,3-Dichloropropene	ND		0.20

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METHOD BLANK QUALITY CONTROL
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Lab ID: MB0324W1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.20
Tetrachloroethene	ND		0.20
1,3-Dichloropropane	ND		0.20
2-Hexanone	ND		1.0
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Ethylbenzene	ND		0.20
m,p-Xylene	ND		0.40
o-Xylene	ND		0.20
Styrene	ND		0.20
Bromoform	ND		1.0
Isopropylbenzene	ND		0.20
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
n-Propylbenzene	ND		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3,5-Trimethylbenzene	ND		0.20
tert-Butylbenzene	ND		0.20
1,2,4-Trimethylbenzene	ND		0.20
sec-Butylbenzene	ND		0.20
1,3-Dichlorobenzene	ND		0.20
p-Isopropyltoluene	ND		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
n-Butylbenzene	ND		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
Naphthalene	ND		1.0
1,2,3-Trichlorobenzene	ND		0.20

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	90	70-123
Toluene, d8	100	70-119
4-Bromofluorobenzene	104	70-119

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VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Date Extracted: 3-24-05
Date Analyzed: 3-24-05

Matrix: Water
Units: ug/L (ppb)

Lab ID: SB0324W1

Compound	Spike Amount	SB	Percent Recovery	SBD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	10.0	8.53	85	9.41	94	70-130	
Benzene	10.0	9.05	91	9.76	98	70-130	
Trichloroethene	10.0	8.72	87	9.12	91	70-130	
Toluene	10.0	9.46	95	9.89	99	70-130	
Chlorobenzene	10.0	9.32	93	9.90	99	70-130	

	RPD	RPD Limit	Flags
1,1-Dichloroethene	10	17	
Benzene	8	13	
Trichloroethene	5	12	
Toluene	5	14	
Chlorobenzene	6	9	

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Samples Submitted: March 22, 2005
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Date Extracted:	3-25-05
Date Analyzed:	3-25-05
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	03-206-02
Client ID:	**SB317-2-01**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0020
Chloromethane	ND		0.0020
Vinyl Chloride	ND		0.0020
Bromomethane	ND		0.0020
Chloroethane	ND		0.0020
Trichlorofluoromethane	ND		0.0020
1,1-Dichloroethene	ND		0.0020
Acetone	ND		0.010
Iodomethane	ND		0.010
Carbon Disulfide	ND		0.0020
Methylene Chloride	ND		0.010
(trans) 1,2-Dichloroethene	ND		0.0020
Methyl t-Butyl Ether	ND		0.0020
1,1-Dichloroethane	ND		0.0020
Vinyl Acetate	ND		0.010
2,2-Dichloropropane	ND		0.0020
(cis) 1,2-Dichloroethene	ND		0.0020
2-Butanone	ND		0.010
Bromochloromethane	ND		0.0020
Chloroform	ND		0.0020
1,1,1-Trichloroethane	ND		0.0020
Carbon Tetrachloride	ND		0.0020
1,1-Dichloropropene	ND		0.0020
Benzene	ND		0.0020
1,2-Dichloroethane	ND		0.0020
Trichloroethene	ND		0.0020
1,2-Dichloropropane	ND		0.0020
Dibromomethane	ND		0.0020
Bromodichloromethane	ND		0.0020
2-Chloroethyl Vinyl Ether	ND		0.010
(cis) 1,3-Dichloropropene	ND		0.0020
Methyl Isobutyl Ketone	ND		0.010
Toluene	0.0023		0.0020
(trans) 1,3-Dichloropropene	ND		0.0020

Date of Report: March 31, 2005
Samples Submitted: March 22, 2005
Laboratory Reference: 0503-206
Project: E 2005/0310

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Lab ID: 03-206-02
Client ID: SB317-2-01

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0020
Tetrachloroethene	ND		0.0020
1,3-Dichloropropane	ND		0.0020
2-Hexanone	ND		0.010
Dibromochloromethane	ND		0.0020
1,2-Dibromoethane	ND		0.0020
Chlorobenzene	ND		0.0020
1,1,1,2-Tetrachloroethane	ND		0.0020
Ethylbenzene	ND		0.0020
m,p-Xylene	ND		0.0041
o-Xylene	ND		0.0020
Styrene	ND		0.0020
Bromoform	ND		0.0020
Isopropylbenzene	ND		0.0020
Bromobenzene	ND		0.0020
1,1,2,2-Tetrachloroethane	ND		0.0020
1,2,3-Trichloropropane	ND		0.0020
n-Propylbenzene	ND		0.0020
2-Chlorotoluene	ND		0.0020
4-Chlorotoluene	ND		0.0020
1,3,5-Trimethylbenzene	0.0024		0.0020
tert-Butylbenzene	ND		0.0020
1,2,4-Trimethylbenzene	0.0069		0.0020
sec-Butylbenzene	ND		0.0020
1,3-Dichlorobenzene	ND		0.0020
p-Isopropyltoluene	ND		0.0020
1,4-Dichlorobenzene	ND		0.0020
1,2-Dichlorobenzene	ND		0.0020
n-Butylbenzene	ND		0.0020
1,2-Dibromo-3-chloropropane	ND		0.010
1,2,4-Trichlorobenzene	ND		0.0020
Hexachlorobutadiene	ND		0.010
Naphthalene	0.0069		0.0020
1,2,3-Trichlorobenzene	ND		0.0020

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	89	71-126
Toluene, d8	81	73-130
4-Bromofluorobenzene	90	70-130

Date of Report: March 31, 2005
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Date Extracted:	3-25-05
Date Analyzed:	3-25-05
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	03-206-03
Client ID:	**SB317-4-01**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0011
Chloromethane	ND		0.0011
Vinyl Chloride	ND		0.0011
Bromomethane	ND		0.0011
Chloroethane	ND		0.0011
Trichlorofluoromethane	ND		0.0011
1,1-Dichloroethene	ND		0.0011
Acetone	0.0097		0.0055
Iodomethane	ND		0.0055
Carbon Disulfide	ND		0.0011
Methylene Chloride	ND		0.0055
(trans) 1,2-Dichloroethene	ND		0.0011
Methyl t-Butyl Ether	ND		0.0011
1,1-Dichloroethane	ND		0.0011
Vinyl Acetate	ND		0.0055
2,2-Dichloropropane	ND		0.0011
(cis) 1,2-Dichloroethene	ND		0.0011
2-Butanone	ND		0.0055
Bromochloromethane	ND		0.0011
Chloroform	ND		0.0011
1,1,1-Trichloroethane	ND		0.0011
Carbon Tetrachloride	ND		0.0011
1,1-Dichloropropene	ND		0.0011
Benzene	ND		0.0011
1,2-Dichloroethane	ND		0.0011
Trichloroethene	ND		0.0011
1,2-Dichloropropane	ND		0.0011
Dibromomethane	ND		0.0011
Bromodichloromethane	ND		0.0011
2-Chloroethyl Vinyl Ether	ND		0.0055
(cis) 1,3-Dichloropropene	ND		0.0011
Methyl Isobutyl Ketone	ND		0.0055
Toluene	ND		0.0011
(trans) 1,3-Dichloropropene	ND		0.0011

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Lab ID: 03-206-03
Client ID: SB317-4-01

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0011
Tetrachloroethene	ND		0.0011
1,3-Dichloropropane	ND		0.0011
2-Hexanone	ND		0.0055
Dibromochloromethane	ND		0.0011
1,2-Dibromoethane	ND		0.0011
Chlorobenzene	ND		0.0011
1,1,1,2-Tetrachloroethane	ND		0.0011
Ethylbenzene	ND		0.0011
m,p-Xylene	ND		0.0022
o-Xylene	ND		0.0011
Styrene	ND		0.0011
Bromoform	ND		0.0011
Isopropylbenzene	ND		0.0011
Bromobenzene	ND		0.0011
1,1,2,2-Tetrachloroethane	ND		0.0011
1,2,3-Trichloropropane	ND		0.0011
n-Propylbenzene	ND		0.0011
2-Chlorotoluene	ND		0.0011
4-Chlorotoluene	ND		0.0011
1,3,5-Trimethylbenzene	ND		0.0011
tert-Butylbenzene	ND		0.0011
1,2,4-Trimethylbenzene	ND		0.0011
sec-Butylbenzene	ND		0.0011
1,3-Dichlorobenzene	ND		0.0011
p-Isopropyltoluene	ND		0.0011
1,4-Dichlorobenzene	ND		0.0011
1,2-Dichlorobenzene	ND		0.0011
n-Butylbenzene	ND		0.0011
1,2-Dibromo-3-chloropropane	ND		0.0055
1,2,4-Trichlorobenzene	ND		0.0011
Hexachlorobutadiene	ND		0.0055
Naphthalene	ND		0.0011
1,2,3-Trichlorobenzene	ND		0.0011

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	86	71-126
Toluene, d8	84	73-130
4-Bromofluorobenzene	90	70-130

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Date Extracted:	3-25-05
Date Analyzed:	3-25-05
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	03-206-05
Client ID:	**SB317-6-02**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0011
Chloromethane	ND		0.0011
Vinyl Chloride	ND		0.0011
Bromomethane	ND		0.0011
Chloroethane	ND		0.0011
Trichlorofluoromethane	ND		0.0011
1,1-Dichloroethene	ND		0.0011
Acetone	0.020		0.0057
Iodomethane	ND		0.0057
Carbon Disulfide	ND		0.0011
Methylene Chloride	ND		0.0057
(trans) 1,2-Dichloroethene	ND		0.0011
Methyl t-Butyl Ether	ND		0.0011
1,1-Dichloroethane	ND		0.0011
Vinyl Acetate	ND		0.0057
2,2-Dichloropropane	ND		0.0011
(cis) 1,2-Dichloroethene	ND		0.0011
2-Butanone	ND		0.0057
Bromochloromethane	ND		0.0011
Chloroform	ND		0.0011
1,1,1-Trichloroethane	ND		0.0011
Carbon Tetrachloride	ND		0.0011
1,1-Dichloropropene	ND		0.0011
Benzene	0.0023		0.0011
1,2-Dichloroethane	ND		0.0011
Trichloroethene	ND		0.0011
1,2-Dichloropropane	ND		0.0011
Dibromomethane	ND		0.0011
Bromodichloromethane	ND		0.0011
2-Chloroethyl Vinyl Ether	ND		0.0057
(cis) 1,3-Dichloropropene	ND		0.0011
Methyl Isobutyl Ketone	ND		0.0057
Toluene	0.0016		0.0011
(trans) 1,3-Dichloropropene	ND		0.0011

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Lab ID: 03-206-05
Client ID: SB317-6-02

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0011
Tetrachloroethene	ND		0.0011
1,3-Dichloropropane	ND		0.0011
2-Hexanone	ND		0.0057
Dibromochloromethane	ND		0.0011
1,2-Dibromoethane	ND		0.0011
Chlorobenzene	ND		0.0011
1,1,1,2-Tetrachloroethane	ND		0.0011
Ethylbenzene	0.0019		0.0011
m,p-Xylene	ND		0.0023
o-Xylene	ND		0.0011
Styrene	ND		0.0011
Bromoform	ND		0.0011
Isopropylbenzene	ND		0.0011
Bromobenzene	ND		0.0011
1,1,2,2-Tetrachloroethane	ND		0.0011
1,2,3-Trichloropropane	ND		0.0011
n-Propylbenzene	ND		0.0011
2-Chlorotoluene	ND		0.0011
4-Chlorotoluene	ND		0.0011
1,3,5-Trimethylbenzene	ND		0.0011
tert-Butylbenzene	ND		0.0011
1,2,4-Trimethylbenzene	ND		0.0011
sec-Butylbenzene	ND		0.0011
1,3-Dichlorobenzene	ND		0.0011
p-Isopropyltoluene	ND		0.0011
1,4-Dichlorobenzene	ND		0.0011
1,2-Dichlorobenzene	ND		0.0011
n-Butylbenzene	ND		0.0011
1,2-Dibromo-3-chloropropane	ND		0.0057
1,2,4-Trichlorobenzene	ND		0.0011
Hexachlorobutadiene	ND		0.0057
Naphthalene	ND		0.0011
1,2,3-Trichlorobenzene	ND		0.0011

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	88	71-126
Toluene, d8	85	73-130
4-Bromofluorobenzene	88	70-130

Date of Report: March 31, 2005
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Project: E 2005/0310

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Date Extracted:	3-25-05
Date Analyzed:	3-25-05
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	03-206-06
Client ID:	**SB317-7-01**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0010
Chloromethane	ND		0.0010
Vinyl Chloride	ND		0.0010
Bromomethane	ND		0.0010
Chloroethane	ND		0.0010
Trichlorofluoromethane	ND		0.0010
1,1-Dichloroethene	ND		0.0010
Acetone	0.028		0.0052
Iodomethane	ND		0.0052
Carbon Disulfide	ND		0.0010
Methylene Chloride	ND		0.0052
(trans) 1,2-Dichloroethene	ND		0.0010
Methyl t-Butyl Ether	ND		0.0010
1,1-Dichloroethane	ND		0.0010
Vinyl Acetate	ND		0.0052
2,2-Dichloropropane	ND		0.0010
(cis) 1,2-Dichloroethene	ND		0.0010
2-Butanone	0.0064		0.0052
Bromochloromethane	ND		0.0010
Chloroform	ND		0.0010
1,1,1-Trichloroethane	ND		0.0010
Carbon Tetrachloride	ND		0.0010
1,1-Dichloropropene	ND		0.0010
Benzene	0.0028		0.0010
1,2-Dichloroethane	ND		0.0010
Trichloroethene	ND		0.0010
1,2-Dichloropropane	ND		0.0010
Dibromomethane	ND		0.0010
Bromodichloromethane	ND		0.0010
2-Chloroethyl Vinyl Ether	ND		0.0052
(cis) 1,3-Dichloropropene	ND		0.0010
Methyl Isobutyl Ketone	ND		0.0052
Toluene	0.0014		0.0010
(trans) 1,3-Dichloropropene	ND		0.0010

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Lab ID: 03-206-06
Client ID: SB317-7-01

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0010
Tetrachloroethene	ND		0.0010
1,3-Dichloropropane	0.0010		0.0010
2-Hexanone	ND		0.0052
Dibromochloromethane	ND		0.0010
1,2-Dibromoethane	ND		0.0010
Chlorobenzene	ND		0.0010
1,1,1,2-Tetrachloroethane	ND		0.0010
Ethylbenzene	0.0042		0.0010
m,p-Xylene	0.0052		0.0021
o-Xylene	ND		0.0010
Styrene	ND		0.0010
Bromoform	ND		0.0010
Isopropylbenzene	ND		0.0010
Bromobenzene	ND		0.0010
1,1,2,2-Tetrachloroethane	ND		0.0010
1,2,3-Trichloropropane	ND		0.0010
n-Propylbenzene	0.0018		0.0010
2-Chlorotoluene	ND		0.0010
4-Chlorotoluene	ND		0.0010
1,3,5-Trimethylbenzene	0.0028		0.0010
tert-Butylbenzene	ND		0.0010
1,2,4-Trimethylbenzene	0.0078		0.0010
sec-Butylbenzene	ND		0.0010
1,3-Dichlorobenzene	ND		0.0010
p-Isopropyltoluene	ND		0.0010
1,4-Dichlorobenzene	ND		0.0010
1,2-Dichlorobenzene	ND		0.0010
n-Butylbenzene	ND		0.0010
1,2-Dibromo-3-chloropropane	ND		0.0052
1,2,4-Trichlorobenzene	ND		0.0010
Hexachlorobutadiene	ND		0.0052
Naphthalene	0.0017		0.0010
1,2,3-Trichlorobenzene	ND		0.0010

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	86	71-126
Toluene, d8	89	73-130
4-Bromofluorobenzene	87	70-130

Date of Report: March 31, 2005
Samples Submitted: March 22, 2005
Laboratory Reference: 0503-206
Project: E 2005/0310

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
Page 1 of 2

Date Extracted:	3-25-05
Date Analyzed:	3-25-05
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	MB0325S1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0010
Chloromethane	ND		0.0010
Vinyl Chloride	ND		0.0010
Bromomethane	ND		0.0010
Chloroethane	ND		0.0010
Trichlorofluoromethane	ND		0.0010
1,1-Dichloroethene	ND		0.0010
Acetone	ND		0.0050
Iodomethane	ND		0.0050
Carbon Disulfide	ND		0.0010
Methylene Chloride	ND		0.0050
(trans) 1,2-Dichloroethene	ND		0.0010
Methyl t-Butyl Ether	ND		0.0010
1,1-Dichloroethane	ND		0.0010
Vinyl Acetate	ND		0.0050
2,2-Dichloropropane	ND		0.0010
(cis) 1,2-Dichloroethene	ND		0.0010
2-Butanone	ND		0.0050
Bromochloromethane	ND		0.0010
Chloroform	ND		0.0010
1,1,1-Trichloroethane	ND		0.0010
Carbon Tetrachloride	ND		0.0010
1,1-Dichloropropene	ND		0.0010
Benzene	ND		0.0010
1,2-Dichloroethane	ND		0.0010
Trichloroethene	ND		0.0010
1,2-Dichloropropane	ND		0.0010
Dibromomethane	ND		0.0010
Bromodichloromethane	ND		0.0010
2-Chloroethyl Vinyl Ether	ND		0.0050
(cis) 1,3-Dichloropropene	ND		0.0010
Methyl Isobutyl Ketone	ND		0.0050
Toluene	ND		0.0010
(trans) 1,3-Dichloropropene	ND		0.0010

Date of Report: March 31, 2005
Samples Submitted: March 22, 2005
Laboratory Reference: 0503-206
Project: E 2005/0310

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
Page 2 of 2

Lab ID: MB0325S1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0010
Tetrachloroethene	ND		0.0010
1,3-Dichloropropane	ND		0.0010
2-Hexanone	ND		0.0050
Dibromochloromethane	ND		0.0010
1,2-Dibromoethane	ND		0.0010
Chlorobenzene	ND		0.0010
1,1,1,2-Tetrachloroethane	ND		0.0010
Ethylbenzene	ND		0.0010
m,p-Xylene	ND		0.0020
o-Xylene	ND		0.0010
Styrene	ND		0.0010
Bromoform	ND		0.0010
Isopropylbenzene	ND		0.0010
Bromobenzene	ND		0.0010
1,1,2,2-Tetrachloroethane	ND		0.0010
1,2,3-Trichloropropane	ND		0.0010
n-Propylbenzene	ND		0.0010
2-Chlorotoluene	ND		0.0010
4-Chlorotoluene	ND		0.0010
1,3,5-Trimethylbenzene	ND		0.0010
tert-Butylbenzene	ND		0.0010
1,2,4-Trimethylbenzene	ND		0.0010
sec-Butylbenzene	ND		0.0010
1,3-Dichlorobenzene	ND		0.0010
p-Isopropyltoluene	ND		0.0010
1,4-Dichlorobenzene	ND		0.0010
1,2-Dichlorobenzene	ND		0.0010
n-Butylbenzene	ND		0.0010
1,2-Dibromo-3-chloropropane	ND		0.0050
1,2,4-Trichlorobenzene	ND		0.0010
Hexachlorobutadiene	ND		0.0050
Naphthalene	ND		0.0010
1,2,3-Trichlorobenzene	ND		0.0010

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	82	71-126
Toluene, d8	84	73-130
4-Bromofluorobenzene	85	70-130

Date of Report: March 31, 2005
Samples Submitted: March 22, 2005
Laboratory Reference: 0503-206
Project: E 2005/0310

VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Date Extracted: 3-25-05
Date Analyzed: 3-25-05

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: SB0325S1

Compound	Spike Amount	SB	Percent Recovery	SBD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	0.0500	0.0494	99	0.0536	107	70-130	
Benzene	0.0500	0.0508	102	0.0539	108	70-130	
Trichloroethene	0.0500	0.0523	105	0.0537	107	70-130	
Toluene	0.0500	0.0530	106	0.0529	106	70-130	
Chlorobenzene	0.0500	0.0535	107	0.0560	112	70-130	

	RPD	RPD Limit	Flags
1,1-Dichloroethene	8	11	
Benzene	6	11	
Trichloroethene	3	13	
Toluene	0	11	
Chlorobenzene	4	12	

Date of Report: March 31, 2005
Samples Submitted: March 22, 2005
Laboratory Reference: 0503-206
Project: E 2005/0310

EDB by EPA 8011

Date Extracted:	3-28-05
Date Analyzed:	3-28-05
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	03-206-01
Client ID:	**SB317-1-01**

Analyte	Result	PQL	Flags
1,2-Dibromoethane (EDB)	**ND**	0.0092	

Surrogate	Percent Recovery	Control Limits
TCMX	34	41 - 162

Flags: Q

Date of Report: March 31, 2005
Samples Submitted: March 22, 2005
Laboratory Reference: 0503-206
Project: E 2005/0310

EDB by EPA 8011

Date Extracted:	3-28-05
Date Analyzed:	3-28-05
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	03-206-04
Client ID:	**SB317-6-01**

Analyte	Result	PQL	Flags
1,2-Dibromoethane (EDB)	**ND**	0.0089	

Surrogate	Percent Recovery	Control Limits
TCMX	44	41 - 162

Flags:

Date of Report: March 31, 2005
Samples Submitted: March 22, 2005
Laboratory Reference: 0503-206
Project: E 2005/0310

EDB by EPA 8011
METHOD BLANK QUALITY CONTROL

Date Extracted:	3-28-05
Date Analyzed:	3-28-05
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	MB0328W1

Analyte	Result	PQL	Flags
1,2-Dibromoethane (EDB)	ND	0.010	

Surrogate	Percent Recovery	Control Limits
TCMX	89	41 - 162

Date of Report: March 31, 2005
Samples Submitted: March 22, 2005
Laboratory Reference: 0503-206
Project: E 2005/0310

EDB by EPA 8011
SB/SBD QUALITY CONTROL

Date Extracted: 3-28-05
Date Analyzed: 3-28-05

Matrix: Water
Units: ug/L (ppb)

Lab ID: SB0328W1

Analyte	SB Spike Level	SB	Percent Recovery	SBD	Percent Recovery	RPD
EDB	0.100	0.100	100	0.110	110	10

Surrogate	Percent Recovery	Percent Recovery	Control Limits
TCMX	115	117	41 - 162

Date of Report: March 31, 2005
Samples Submitted: March 22, 2005
Laboratory Reference: 0503-206
Project: E 2005/0310

% MOISTURE

Date Analyzed: 3-24-05

Client ID	Lab ID	% Moisture
SB317-2-01	03-206-02	24
SB317-4-01	03-206-03	21
SB317-6-02	03-206-05	19
SB317-7-01	03-206-06	12

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

G - Insufficient sample quantity for duplicate analysis.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

O - Hydrocarbons indicative of diesel fuel are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a silica gel cleanup procedure.

Y - Sample extract treated with an acid/silica gel cleanup procedure.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

Chain of Custody

Page 1 of 1

OnSite Environmental Inc.
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • Fax: (425) 885-4603

Company: BHFC, INC.
Project Number: E2005/0310
Project Name: COLUMBIA OIL CO. SGT. BUBS SITE
Project Manager: P. TRABUSINER
Sampled by: P. TRABUSINER

Turnaround Request (in working days)

(Check One)

☐ Same Day ☐ 1 Day
☐ 2 Day ☐ 3 Day
☒ Standard (7 working days)
☐ _____ (other)

Laboratory Number: 03-206

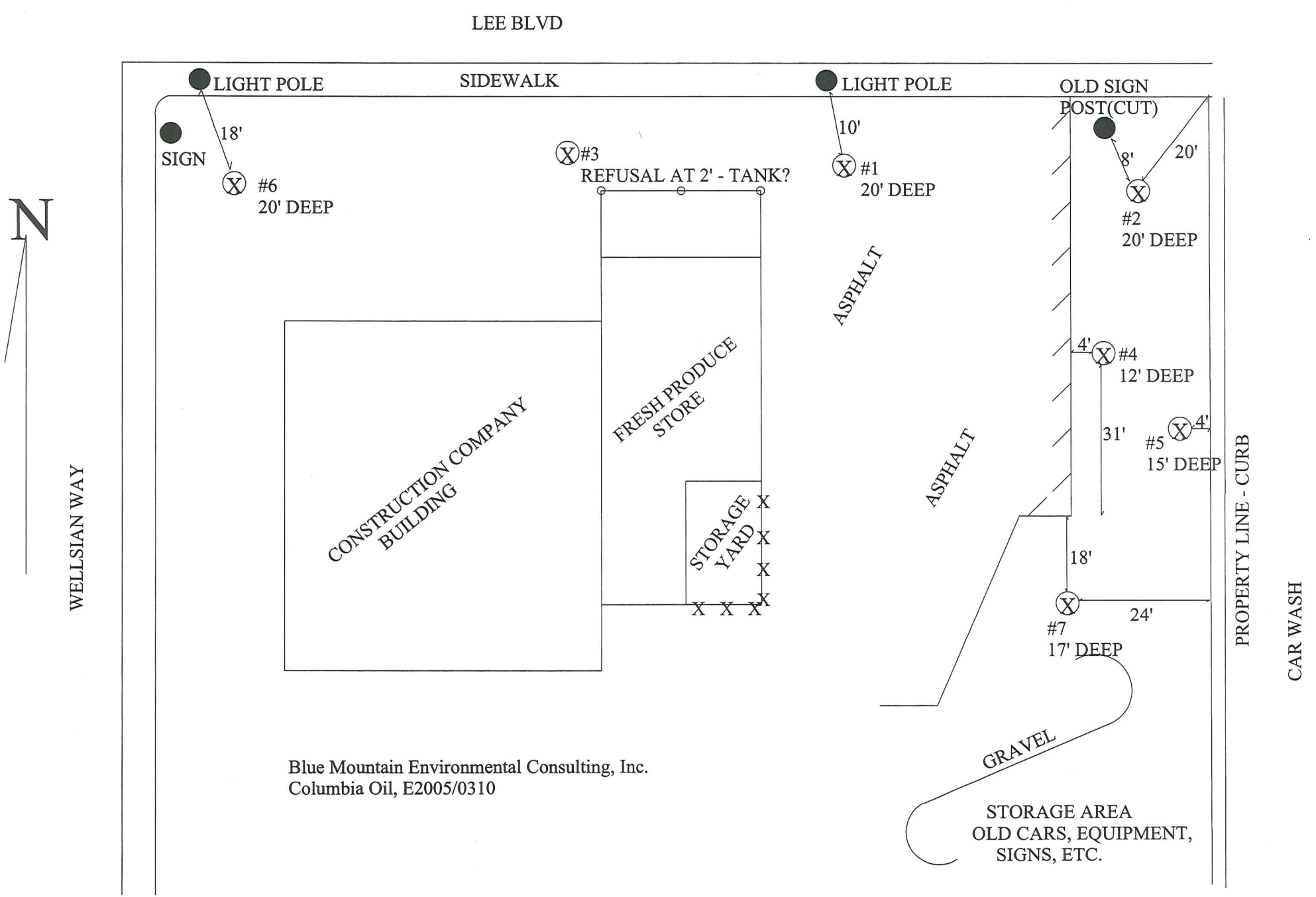
Requested Analysis

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Dx	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270C	PAHs by 8270C / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total RCRA Metals (8)	TCLP Metals	HEM by 1664	VPH	EPH	EDB/EDC/MTBE				% Moisture
1	SB317-1-01	3/17/05	8:30	H_2O	8		X		X												X				
2	SB317-2-01	3/17/05	11:40	Soil	5		X		X																X
3	SB317-4-01	3/17/05	10:35	Soil	5		X		X																X
4	SB317-6-01	3/17/05	12:05	H_2O	8		X		X												X				
5	SB317-6-02	3/17/05	1	Soil	5		X		X																X
6	SB317-7-01	3/17/05	13:00	Soil	5		X		X																X

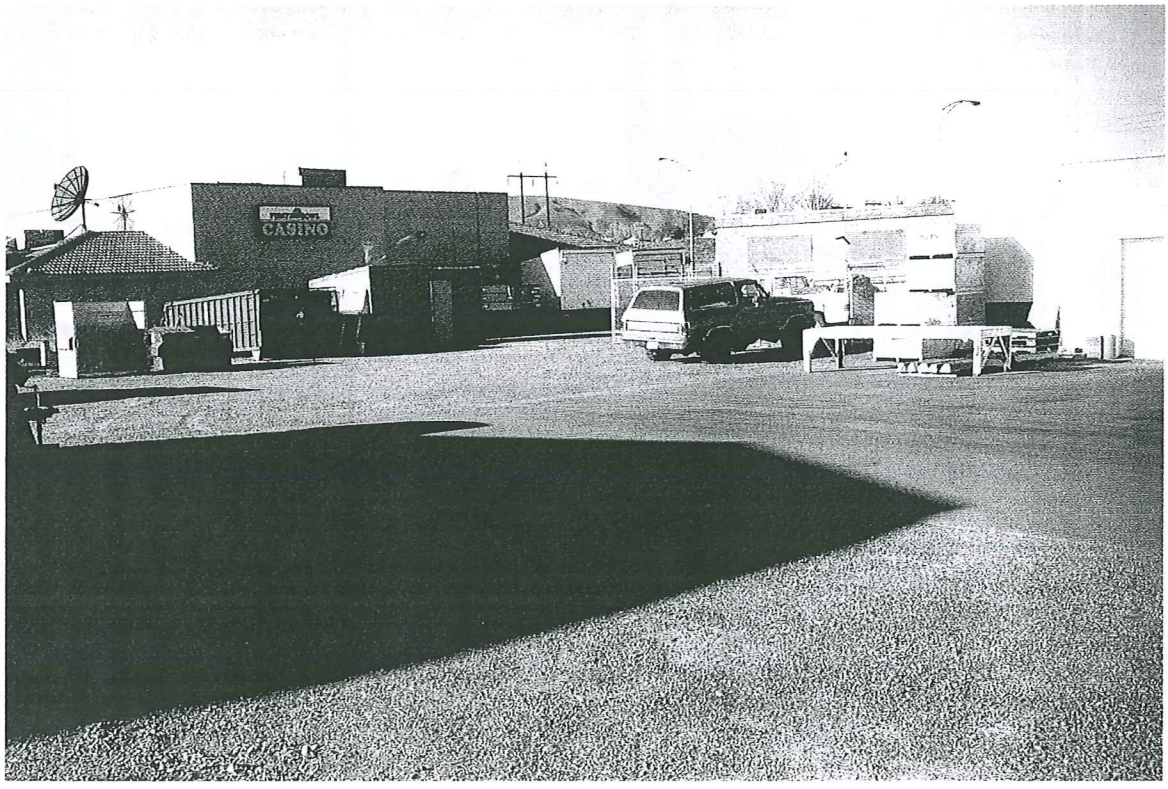
	Signature	Company	Date	Time
Relinquished by	T Trabusiner	BHFC, INC	3/21/05	15:10
Received by		OnSite Env.	3/22/05	1000
Relinquished by				
Received by				
Relinquished by				
Received by				
Reviewed by/Da		Reviewed by/Date		

Comments/Special Instructions:

Chromatograms with final report ☐



Blue Mountain Environmental Consulting, Inc.
Columbia Oil, E2005/0310


CASINO