



INSIGHT GEOLOGIC, INC.

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WA State Department
of Ecology (SWRO)

November 14, 2014

Ostrom Farms
8323 Steilacoom Road SE
Lacey, Washington 98512

Attention: David Knudsen

Report
Subsurface Environmental Assessment
Ostrom Mushroom Farm
Steilacoom, Washington
File No. 0335-01-03

INTRODUCTION

Insight Geologic, Inc. is pleased to provide this report regarding our subsurface investigation activities at the Ostrom Farms Mushroom Facility located at 8322 Steilacoom Road SE in Lacey, Washington. The Ostrom Farm property is located northeast of the intersection between Marvin Road SW and SW Steilacoom Road in the city of Lacey. The property occupies approximately 34 acres of land zoned as low-density residential. The site is generally flat with a gentle slope to the north. Site elevations range from approximately 230 feet above mean sea level (MSL) in the southern portion to about 212 MSL at the northern property line. The majority of the property has been cleared of trees for the development of the growing facility buildings, drive areas and compost production. Surrounding land use consists of single family residential housing to the north and east, Nisqually Middle School is located to the west of the facility across Marvin Road. The site is shown relative to surrounding physical features in the Vicinity Map, Figure 1.

The facility is operated for the commercial production of mushrooms. Included in the operation is the production of compost used as the growing media for the mushrooms. Water is supplied by a water supply well and through an intertie with the City of Lacey. Sanitary wastes are disposed of through onsite septic tanks and drainfields. Stormwater is either recycled and used for compost production or is used to spray irrigate landscaped areas. Growing room wash down water is generally disposed of to ground.

Various chemicals are used and stored on site. They include malathion, diazinon, permethrin, formaldehyde, "BFW-31" a corrosion inhibitor, various drums of sanitizers, bulk

lubricating oil and diesel fuel. During the investigation and remediation of spent mushroom compost disposed of on the south side of Steilacoom Road the following pesticides were detected: aldrin, alpha-BHC, chlordane, DDT, DDD, DDE, dieldrin, endosulfan I and II, endrin, heptachlor epoxide and methoxychlor. The detection of these compounds in and near the spent mushroom compost indicates that they have been used in the past at the production facility.

Insight Geologic performed a Phase I Environmental Site Assessment (ESA) of Ostrom Farms' Lacey, Washington growing facility in March 2007. The results of our Phase I ESA indicated several areas of potential environmental concern including:

1. The facility has had a series of underground storage tanks located on the property. Some have been removed, others have been abandoned in place and at least one is still active for standby boiler fuel. Because of the exempt status of the tanks for agricultural purposes, periodic tightness testing is not conducted. No information could be found in the Washington State Department of Ecology (Ecology) files regarding the closure of underground tanks at the site, and therefore, no information is available regarding soil and/or ground water conditions adjacent to the tanks.
2. At least one spill of diesel fuel from the existing above ground storage tank has occurred. The fuel reportedly flowed to a catch basin that drains to the septic system in the northwest portion of the site.
3. Several batteries were observed in the fueling area exposed to the elements. Metals, particularly lead, can leach from the batteries and enter the stormwater system or migrate to ground water.
4. Soil outside the bulk lubricating oil storage area was observed to be heavily stained with oil, likely as the result of spills during deliveries.
5. A series of historic and active infiltration areas for wash water and stormwater are, or have been, located in the northern portion of the property. These infiltration facilities are unlined and the influent does not receive treatment prior to discharge. These facilities have the potential to have historically received water containing pesticides including DDT.
6. Treated soil from previous environmental remediation projects in the early 1990s was used in landscape berms in several areas of the property.

At the request of Ostrom Farms, Insight Geologic performed subsurface sampling and analysis of soil and ground water samples from the areas identified during the Phase I ESA.

SCOPE OF SERVICES

The purpose of our services was to evaluate soil and ground water conditions in the areas of the identified environmental concerns on the property. We conducted the following tasks for this phase of the project:

1. Prepare a Health and Safety Plan for Insight Geologic's representatives while on site.
2. Conduct utility location at the site to assess the presence of potential subsurface obstructions.
3. Drill 16 exploratory borings on the site using a truck mounted drilling rig to collect representative soil and ground water samples from the borings.
4. Collect representative soil samples from 12 hand-augered borings in the area of the waste water disposal ponds and treated soil stockpiles (berms).
5. Provide for the chemical analysis of selected soil and ground water samples for the presence of gasoline-range hydrocarbons using Ecology method NWTPH-Gx, diesel- and oil-range hydrocarbons using Ecology Method NWTPH-Dx (extended), volatile organic compounds (VOCs) using EPA Method 8260, chlorinated pesticides using EPA Method 8081 and lead using EPA 7000 series methodology.
6. Evaluate the laboratory results with respect to current Ecology Model Toxics Control Act (MTCA) Method A cleanup levels.

SUMMARY OF ACTIVITIES

GENERAL

We visited the site on June 14, 15 and 20, 2007 to collect representative soil and ground water samples from several areas of potential environmental concern identified on the property during our Phase I ESA conducted in March 2007. The areas of environmental concern included the former maintenance shop, the former boiler house, the current fueling area, the current underground storage tank for the existing boiler, and areas containing treated petroleum-containing soil used for landscaping. Borings were drilled using an AMS Power Probe rig that uses a combination of hydraulic and vibratory methods to advance a 4-foot long sampler having acetate liners into the ground. Upon retrieval, the sampler is opened and the soil contained inside the sampler is observed for visual and olfactory indications of contamination. A representative sample is collected from each sampled interval, placed into a jar which is sealed, labeled and placed into an ice chest for storage pending analysis. The soil from the sampled interval is described by the field geologist in general accordance with the Unified Soil Classification System on boring logs. The logs of the borings conducted at the Ostrom Farm facility are contained in Attachment A to this report.

If ground water was encountered in a boring, a sample was collected using polyethylene tubing inserted down the inside of the drill string and connected to a peristaltic pump. The water was pumped from the boring until it was relatively clear and free of suspended sediment. When purging was complete, representative ground water samples were collected into laboratory-supplied containers appropriate for the intended analyses. The samples were

delivered to an on-site mobile laboratory for analysis operated by Libby Environmental of Olympia, Washington.

SOIL

Sixteen borings and 12 hand auger borings were conducted at the site in the locations depicted in Figure 2. In general, the soils encountered in the borings consisted of loose to dense sand and gravel containing variable amounts of silt. The materials encountered appeared to be glacial outwash and ablation till deposited during the waning stages of the Vashon Stade of the Fraser glaciation which ended between 10,000 and 15,000 years ago.

GROUND WATER

Ground water was encountered at depths between about 10 and 15 feet below ground surface in two borings (B-11 and B-12) located near the waste water disposal pond in the northeastern portion of the site. Ground water samples were collected from each of the borings and submitted for analysis. Ground water was not encountered in any of the other borings conducted.

CHEMICAL ANALYSIS

Soil and ground water samples were analyzed by Libby Environmental for the presence of gasoline-, diesel- and oil-range hydrocarbons using Ecology Method NWTPH-G and NWTPH-Dx (extended), for volatile aromatic hydrocarbons (VOCs) using EPA Method 8260 and for lead using EPA method 7000 series methodology. Selected soil and ground water samples were also analyzed for the presence of chlorinated pesticides using EPA Method 8081. Laboratory reports are contained in Attachment B. Laboratory results are summarized in Tables 1 – 5.

RESULTS

SOIL

Laboratory reports indicated the presence of diesel-range hydrocarbons in the soil sample collected from boring B-6 at a depth of 4 feet below ground surface in the fueling area at a concentration of 7,900 milligrams per kilogram (mg/kg). The Washington State Department of Ecology (Ecology) Model Toxics Control Act (MTCA) Method A cleanup level for diesel in soil is 2,000 mg/kg. Oil-range hydrocarbons were detected in boring B-11 near the wastewater disposal pond at a depth of 8 feet below ground surface at a concentration of 4,100 mg/kg. The MTCA Method A cleanup level for oil-range hydrocarbons is 2,000 mg/kg. Diesel- and oil-range hydrocarbons either were not detected or were detected at concentrations less than the respective cleanup levels in the remaining samples analyzed. Gasoline-range hydrocarbons were not detected in any of the soil samples. Lead and VOCs either were not detected, or were detected at concentrations less than individual cleanup levels. The chlorinated pesticide DDT (dichloro-diphenyl-trichloroethane) and breakdown products DDD

(dichloro-diphenyl-dichloroethylene) and DDE (dichloro-diphenyl-dichloroethene) were detected in the four soil samples analyzed from borings B-11 and B-12 in the area of the wastewater disposal pond at concentrations less than Ecology's MTCA Method A cleanup level of 3.0 mg/kg for the sum of the three compounds.

GROUND WATER

DDT, DDD and DDE were detected in the two ground water samples collected from borings B-11 and B-12 at concentrations less than Ecology's MTCA Method A cleanup level of 0.3 micrograms per liter ($\mu\text{g/l}$) for the sum of the three compounds. Gasoline-, diesel- and oil-range hydrocarbons were not detected in the water samples. VOCs and lead were not detected in the water samples.

CONCLUSIONS

Insight Geologic has performed a subsurface investigation of suspected areas of environmental concern at the Ostrom Farms Mushroom Facility in Lacey, Washington. The subsurface investigation was performed following our completion of a Phase I environmental site assessment of the property in March 2007.

The results of our subsurface investigation indicate the presence of diesel-range hydrocarbons in shallow soil in the fueling area of the property at concentrations exceeding Ecology's MTCA Method A cleanup level of 2,000 mg/kg. We understand that a fuel spill occurred in the fueling area several years ago and it is our opinion that this is the likely source of contamination in this area.

Oil-range hydrocarbons were detected in soil at a depth of 8 feet below ground surface in the area of the wastewater disposal pond at concentrations exceeding Ecology's MTCA Method A cleanup level of 2,000 mg/kg. We understand that storm water flows from the concrete apron area outside the maintenance building to stormwater catch basins and then to the wastewater disposal pond without any pre treatment. It appears that oil-range hydrocarbons from spills and maintenance conducted on the apron area have migrated to the waste water disposal pond and impacted shallow soils. Ground water in this area does not appear to have been affected by fuel or oil-range hydrocarbons, VOCs or lead.

DDT, DDD and DDE were detected in soil and ground water samples collected from the area of the waste water disposal pond at concentrations slightly less than their respective cleanup levels. These compounds appear to be relics of the historic use of DDT on the property prior to 1972 when it was banned for use in the United States.

Soil in the area of the former maintenance shop, the former boiler house and underground storage tank, and the present boiler house and stand-by fuel tank does not appear to have been impacted by fuel- or oil-range hydrocarbons, VOCs or lead.

Soil remediated in the early 1990s to remove petroleum hydrocarbons and subsequently used in landscape berms in the north and east portions of the property does not appear to

contain petroleum hydrocarbons, VOCs or lead at concentrations greater than Ecology's MTCA Method A cleanup levels for these compounds.

Based on the results of our subsurface investigation, we recommend remediation of petroleum-contaminated soil detected in the fueling area and in the waste water disposal pond. Remediation should be conducted under Ecology's oversight through the Voluntary Cleanup Program (VCP) so that a determination of "No Further Action" (NFA) may be obtained when remediation is completed. Given the relatively shallow depth of the impacted soil, excavation and disposal appears to be the most cost effective option for cleanup.

LIMITATIONS

We have prepared this report for use by Ostrom Farms regarding the subsurface investigation of areas of suspected environmental concern at their mushroom growing facility located at 8322 Steilacoom Road SE in Lacey, Washington. This report may be made available to regulatory agencies.

Within the limitations of scope, schedule and budget, our services have been executed in accordance with generally accepted environmental science practices in this area at the time this report was prepared. No warranty or other conditions, express or implied, should be understood.

Please refer to Attachment C titled "Report Limitations and Guidelines for Use" for additional information pertaining to use of this report.

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We trust this report meets your current requirements. Please contact us if you have questions regarding information presented in this report, or if you require additional information. We appreciate the opportunity to be of service to you on this project.

Yours very truly,

INSIGHT GEOLOGIC, INC.



William E. Halbert, L.G, L.HG.
Principal Hydrogeologist

Attachments

TABLE 1
Summary of Chemical Analytical Results - Soil¹
Ostrom's Farms
Lacey, Washington

Sample Number	Sample Date	Depth (feet)	Gasoline-range Hydrocarbons ²	Volatile Organic Compounds ³				1,3,5-Trimethylbenzene ⁴	Isopropyltoluene ⁵	n-Butylbenzene ⁶	Lead ⁷
				B	E	T	X				
B1-14'	6/14/07	14.0	<10.0	<0.0200	<0.0300	<0.0200	<0.030	<0.0200	<0.0200	<0.0200	<5.0
B1-20'	6/14/07	20.0	<10.0	<0.0200	<0.0300	<0.0200	<0.030	<0.0200	<0.0200	<0.0200	<5.0
B2-14'	6/14/07	14.0	<10.0	<0.0200	<0.0300	<0.0200	<0.030	<0.0200	<0.0200	<0.0200	<5.0
B2-20'	6/14/07	20.0	<10.0	<0.0200	<0.0300	<0.0200	<0.030	<0.0200	<0.0200	<0.0200	<5.0
B3-16'	6/20/07	16.0	<10.0	<0.0200	<0.0300	<0.0200	<0.030	<0.0200	<0.0200	<0.0200	<5.0
B4-20'	6/20/07	20.0	<10.0	<0.0200	<0.0300	<0.0200	<0.030	<0.0200	<0.0200	<0.0200	<5.0
B5-12'	6/20/07	12.0	<10.0	<0.0200	<0.0300	<0.0200	<0.030	<0.0200	<0.0200	<0.0200	<5.0
B6-4'	6/20/07	4.0	<10.0	<0.0200	<0.0300	<0.0200	<0.030	0.1200	0.0600	0.100	<5.0
B7-12'	6/20/07	12.0	<10.0	<0.0200	<0.0300	<0.0200	<0.030	<0.0200	<0.0200	<0.0200	<5.0
B8-20	6/20/07	20.0	<10.0	<0.0200	<0.0300	<0.0200	<0.030	<0.0200	<0.0200	<0.0200	<5.0
B11-8'	6/14/07	8.0	<10.0	<0.0200	<0.0300	<0.0200	<0.030	<0.0200	<0.0200	<0.0200	<5.0
B11-15'	6/14/07	15.0	<10.0	<0.0200	<0.0300	<0.0200	<0.030	<0.0200	<0.0200	<0.0200	<5.0
B12-11'	6/14/07	11.0	<10.0	<0.0200	<0.0300	<0.0200	<0.030	<0.0200	<0.0200	<0.0200	<5.0
B12-16'	6/14/07	16.0	<10.0	<0.0200	<0.0300	<0.0200	<0.030	<0.0200	<0.0200	<0.0200	<5.0
TP1A-4'	6/14/07	4.0	<10.0	<0.0200	<0.0300	<0.0200	<0.030	<0.0200	<0.0200	<0.0200	<5.0
TP1B-3.5'	6/14/07	3.5	<10.0	<0.0200	<0.0300	<0.0200	<0.030	<0.0200	<0.0200	<0.0200	<5.0
TP2A-3.5'	6/14/07	3.5	<10.0	<0.0200	<0.0300	<0.0200	<0.030	<0.0200	<0.0200	<0.0200	<5.0
TP2B-4'	6/14/07	4.0	<10.0	<0.0200	<0.0300	<0.0200	<0.030	<0.0200	<0.0200	<0.0200	<5.0
TP3A-2.5'	6/14/07	2.5	<10.0	<0.0200	<0.0300	<0.0200	<0.030	<0.0200	<0.0200	<0.0200	<5.0
TP3B-3'	6/14/07	3.0	<10.0	<0.0200	<0.0300	<0.0200	<0.030	<0.0200	<0.0200	<0.0200	5.6
TP3C-2.5'	6/14/07	2.5	<10.0	<0.0200	<0.0300	<0.0200	<0.030	<0.0200	<0.0200	<0.0200	<5.0
TP3D-2'	6/14/07	2.0	<10.0	<0.0200	<0.0300	<0.0200	<0.030	<0.0200	<0.0200	<0.0200	6.0
TP4A-1'	6/14/07	1.0	<10.0	<0.0200	<0.0300	<0.0200	<0.030	<0.0200	<0.0200	<0.0200	<5.0
TP4B-1'	6/14/07	1.0	<10.0	<0.0200	<0.0300	<0.0200	<0.030	<0.0200	<0.0200	<0.0200	<5.0
HA1-1'	6/14/07	1.0	<10.0	<0.0200	<0.0300	0.3100	<0.030	<0.0200	<0.0200	<0.0200	<5.0
HA2-1'	6/14/07	1.0	<10.0	<0.0200	<0.0300	<0.0200	<0.030	<0.0200	<0.0200	<0.0200	<5.0
MTCA Method A cleanup levels			30/100	0.03	6.0	7.0	9.0	N/A	N/A	N/A	250

Notes:

- ¹ Laboratory analysis of all samples conducted by Libby Environmental Chemistry Laboratories in Olympia, Washington.
 - ² Analysis of gasoline-range hydrocarbons was conducted using method NWTPH-Gx.
 - ³ Analysis of volatile organic compounds was conducted using EPA method 8260B.
 - ⁴ Analysis of 1,3,5-Trimethylbenzene was conducted using EPA method 8260B.
 - ⁵ Analysis of isopropyltoluene was conducted using EPA method 8260B.
 - ⁶ Analysis of n-Butylbenzene was conducted using EPA method 8260B.
 - ⁷ Analysis of lead was conducted using EPA 7000 series methodology.
- ⁸ The lower of the two cleanup levels shown for gasoline-range hydrocarbons applies if benzene is present in the same sample.
- All analytical results presented in the above table are expressed in milligrams per kilogram (mg/kg).
- B-benzene, E-ethylbenzene, T-toluene, X-total xylenes.
- <5.00" - Indicates that the analyte was not detected above the concentration shown.
- Values shown in bold indicate that the analyte was detected at this concentration.
- Shaded values indicate exceedances of the respective MTCA Method A cleanup level.

TABLE 2
Summary of Chemical Analytical Results - Soil¹
Ostrom's Farms
Lacey, Washington

Sample Number	Sample Date	Depth (feet)	Diesel-range Hydrocarbons ²	Heavy Oil-range Hydrocarbons ³	Mineral Oil Hydrocarbons ⁴
B1-14'	6/14/07	14.0	<10.0	<25.0	<40
B1-20'	6/14/07	20.0	<10.0	<25.0	<40
B2-14'	6/14/07	14.0	<10.0	<25.0	<40
B2-20'	6/14/07	20.0	<10.0	<25.0	<40
B3-16'	6/20/07	16.0	<10.0	<25.0	<40
B4-20'	6/20/07	20.0	<10.0	<25.0	<40
B5-12'	6/20/07	12.0	64	<25.0	<40
B6-4'	6/20/07	4.0	2,000	<25.0	<40
B7-12'	6/20/07	12.0	<10.0	<25.0	<40
B8-20'	6/20/07	20.0	<10.0	<25.0	<40
B11-8'	6/14/07	8.0	<10.0	<25.0	<40
B11-15'	6/14/07	15.0	<10.0	<25.0	<40
B12-11'	6/14/07	11.0	<10.0	4,100	<40
B12-16'	6/14/07	16.0	<10.0	<25.0	<40
TP1A-4'	6/14/07	4.0	<10.0	<25.0	<40
TP1B-3.5'	6/14/07	3.5	<10.0	<25.0	<40
TP2A-3.5'	6/14/07	3.5	<10.0	<25.0	<40
TP2B-4'	6/14/07	4.0	<10.0	<25.0	<40
TP3A-2.5'	6/14/07	2.5	<10.0	<25.0	<40
TP3B-3'	6/14/07	3.0	<10.0	<25.0	<40
TP3C-2.5'	6/14/07	2.5	<10.0	<25.0	<40
TP3D-2'	6/14/07	2.0	<10.0	<25.0	<40
TP4A-1'	6/14/07	1.0	<10.0	<25.0	<40
TP4B-1'	6/14/07	1.0	<10.0	<25.0	<40
HA1-1'	6/14/07	1.0	<10.0	<25.0	<40
HA2-1'	6/14/07	1.0	<10.0	<25.0	<40
MTCA Method A cleanup Level			2,000	2,000	4,000

Notes:

¹ Laboratory analysis of all samples conducted by Libby Environmental Chemistry Laboratories in Olympia, Washington.

² Analysis of diesel-range hydrocarbons was conducted using method NWTPH-Dx.

³ Analysis of heavy oil-range hydrocarbons was conducted using method NWTPH-Dx Extended.

⁴ Analysis of mineral oil-range hydrocarbons was conducted using method NWTPH-Dx Extended.

All analytical results presented in the above table are expressed in milligrams per kilogram (mg/kg).

"<10.00" - Indicates that the analyte was not detected above the concentration shown.

"-" - Indicates that the sample was not analyzed for this compound.

Values shown in bold indicate that the analyte was detected at this concentration.

Shaded values indicate exceedences of the respective MTCA Method A cleanup level.

TABLE 3
Summary of Chemical Analytical Results - Ground Water¹
Ostrom's Farms
Lacey, Washington

Sample Number	Sample Date	Gasoline-range Hydrocarbons ²	Volatile Organic Compounds ³				Diesel-range Hydrocarbons ⁴	Heavy Oil-range Hydrocarbons ⁵	Lead ⁶
			B	E	T	X			
B4W-20	6/20/07	<100	<1.0	<1.0	<2.0	<3.0	<250	<500	<2.5
B11-W	6/14/07	<100	<1.0	<1.0	<2.0	<3.0	<250	<500	<2.5
B12-W	6/14/07	<100	<1.0	<1.0	<2.0	<3.0	<250	<500	<2.5
MTCA Method A cleanup Level		800	5.0	700	1,000	1,000	500	500	15

Notes:

¹ Laboratory analysis of all samples conducted by Lacey Environmental Chemistry Laboratory Olympia, Washington

² Analysis of gasoline-range hydrocarbons was conducted using method NW7PH-G

³ Analysis of volatile organic compounds was conducted using EPA method 8260B

⁴ Analysis of diesel-range hydrocarbons was conducted using method NW7PH-Dx

⁵ Analysis of heavy oil-range hydrocarbons was conducted using method NW7PH-Dx Extended

⁶ Analysis of total lead was conducted using EPA Method 7421

All analytical results presented in the above table are expressed in micrograms per liter (µg/l).

B-benzene, E-ethylbenzene, T-toluene, X-total xylenes

"<500" - indicates that the analyte was not detected above the concentration shown.

"-" - indicates that the sample was not analyzed for this compound.

Values shown in bold indicate that the analyte was detected at this concentration.

Shaded values indicate exceedances of the respective MTCA Method A cleanup level.

TABLE 4
Summary of Chemical Analytical Results - Soil¹
Ostrom's Farms
Lacey, Washington

Sample Number	Sample Date	Depth (feet)	Chlorinated Pesticides ²			Sum of listed constituents
			4,4-DDD	4,4-DDE	4,4-DDT	
B11-8'	6/14/07	8.0	1.88	0.419	0.04	2.139
B11-15'	6/14/07	15.0	0.007	0.009	0.007	0.023
B12-11'	6/14/07	11.0	0.005	0.005	0.009	0.019
B12-16'	6/14/07	16.0	0.004	0.005	0.007	0.016
MTCA Method A Cleanup Level ³						3.00

Notes:

¹ Laboratory analysis of all samples conducted by Libby Environmental Chemistry Laboratories in Olympia, Washington.

² Analysis of Chlorinated Pesticides was conducted using method SW846 8061.

³ Combined constituents levels of 4,4-DDD, 4,4-DDE and 4,4-DDT must be greater than listed value.

All analytical results presented in the above table are expressed in milligrams per kilogram (mg/kg).

"<10.00" - Indicates that the analyte was not detected above the concentration shown.

"-" - Indicates that the sample was not analyzed for this compound.

Values shown in bold indicate that the analyte was detected at this concentration.

Shaded values indicate exceedences of the respective MTCA Method A cleanup level.

TABLE 5

Summary of Chemical Analytical Results - Water¹

Ostrom's Farms

Lacey, Washington

Sample Number	Sample Date	Depth (feet)	Chlorinated Pesticides ²			Sum of listed constituents
			4,4-DDD	4,4-DDE	4,4-DDT	
B11-W	6/14/07	15.0	0.049	0.045	0.023	0.117
B12-W	6/14/07	11.0	0.036	0.047	0.062	0.145
MTCA Method A Cleanup Level ³						0.3 µg/L

Notes:

¹ Laboratory analysis of all samples conducted by Libby Environmental Chemistry Laboratories in Olympia, Washington.² Analysis of Chlorinated Pesticides was conducted using method SW846 BQ81.³ Combined constituents levels of 4,4-DDD, 4,4-DDE and 4,4-DDT must be greater than listed value.

All analytical results presented in the above table are expressed in micrograms per liter (µg/l).

"≤10.00" - Indicates that the analyte was not detected above the concentration shown.

" - " - Indicates that the sample was not analyzed for this compound.

Values shown in bold indicate that the analyte was detected at this concentration.

Shaded values indicate exceedances of the respective MTCA Method A cleanup level.



Source: Maptech CD, Lacey, Washington 7.5 minute quadrangle, 1955, photorevised 1994



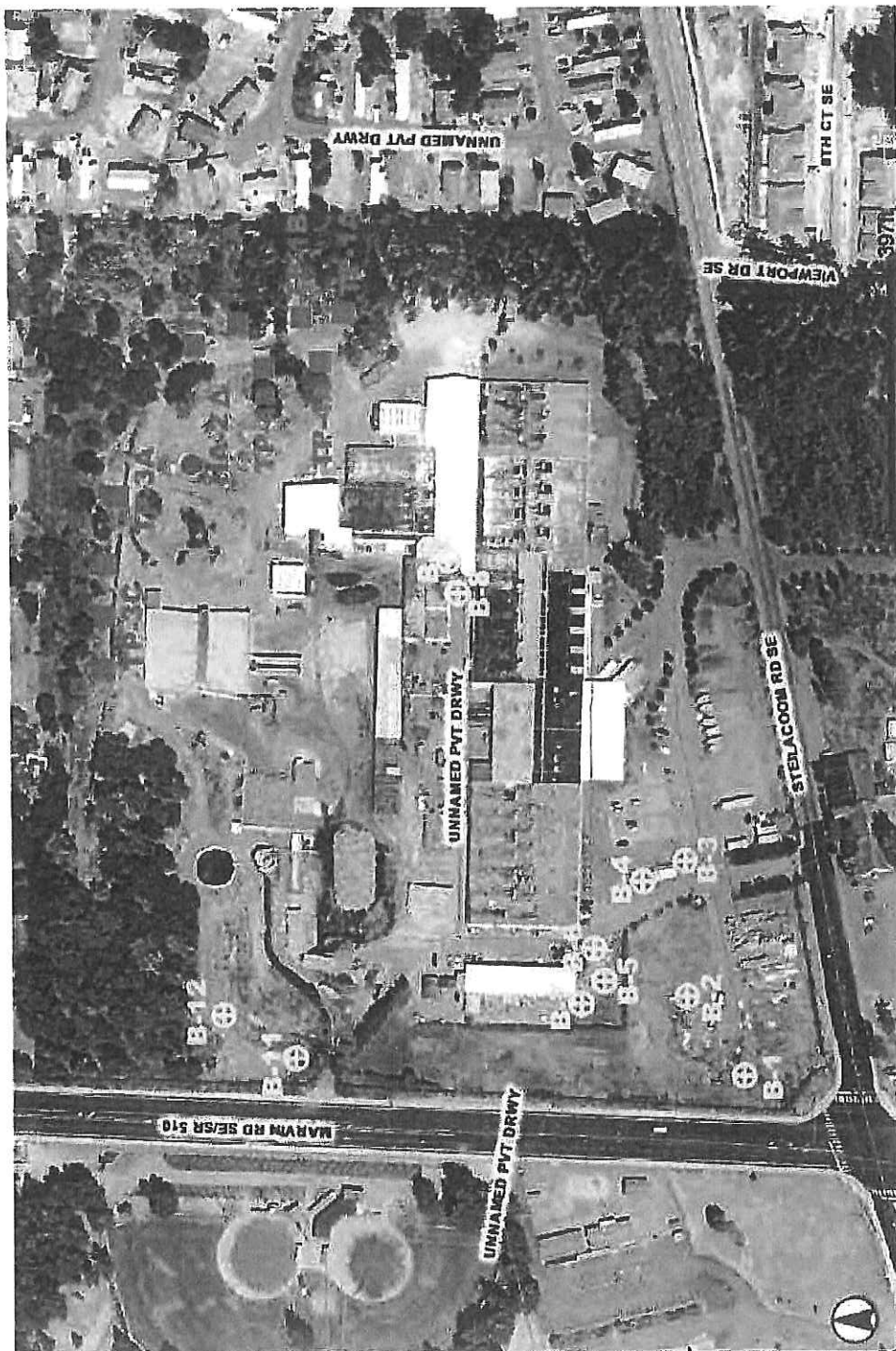
NORTH

Approximate Scale 1 inch = 4,000 feet

INSIGHT GEOLOGIC, INC.

VICINITY MAP

FIGURE 1



SUBSURFACE EXPLORATION
LOCATIONS

INSIGHT GEOLOGIC, INC.

FIGURE

ATTACHMENT A
BORING LOGS

SOIL CLASSIFICATION SYSTEM

MAJOR DIVISIONS			GROUP SYMBOL	GROUP NAME
COARSE GRAINED SOILS More Than 50% Retained on No. 200 Sieve	GRAVEL More Than 50% of Coarse Fraction Retained on No. 4 Sieve	CLEAN GRAVEL	GW	WELL-GRADED GRAVEL, FINE TO COARSE GRAVEL
			GP	POORLY-GRADED GRAVEL
		GRAVEL WITH FINES	GM	SILTY GRAVEL
			GC	CLAYEY GRAVEL
	SAND More Than 50% of Coarse Fraction Passes No. 4 Sieve	CLEAN SAND	SW	WELL-GRADED SAND, FINE TO COARSE SAND
			SP	POORLY-GRADED SAND
		SAND WITH FINES	SM	SILTY SAND
			SC	CLAYEY SAND
FINE GRAINED SOILS More Than 50% Passes No. 200 Sieve	SILT AND CLAY Liquid Limit Less Than 50	INORGANIC	ML	SILT
			CL	CLAY
		ORGANIC	OL	ORGANIC SILT, ORGANIC CLAY
	SILT AND CLAY Liquid Limit 50 or More	INORGANIC	MH	SILT OF HIGH PLASTICITY, ELASTIC SILT
			CH	CLAY OF HIGH PLASTICITY, FAT CLAY
		ORGANIC	OH	ORGANIC CLAY, ORGANIC SILT
HIGHLY ORGANIC SOILS			PT	PEAT

NOTES:

- Field classification is based on visual evaluation of soil in general accordance with ASTM D2488-90.
- Descriptions of soil density or consistency are based on interpretation of blow count data, visual appearance of soils, and/or test data.

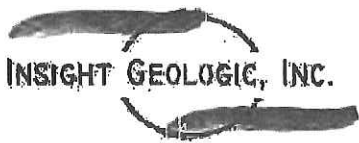
SOIL MOISTURE MODIFIERS:

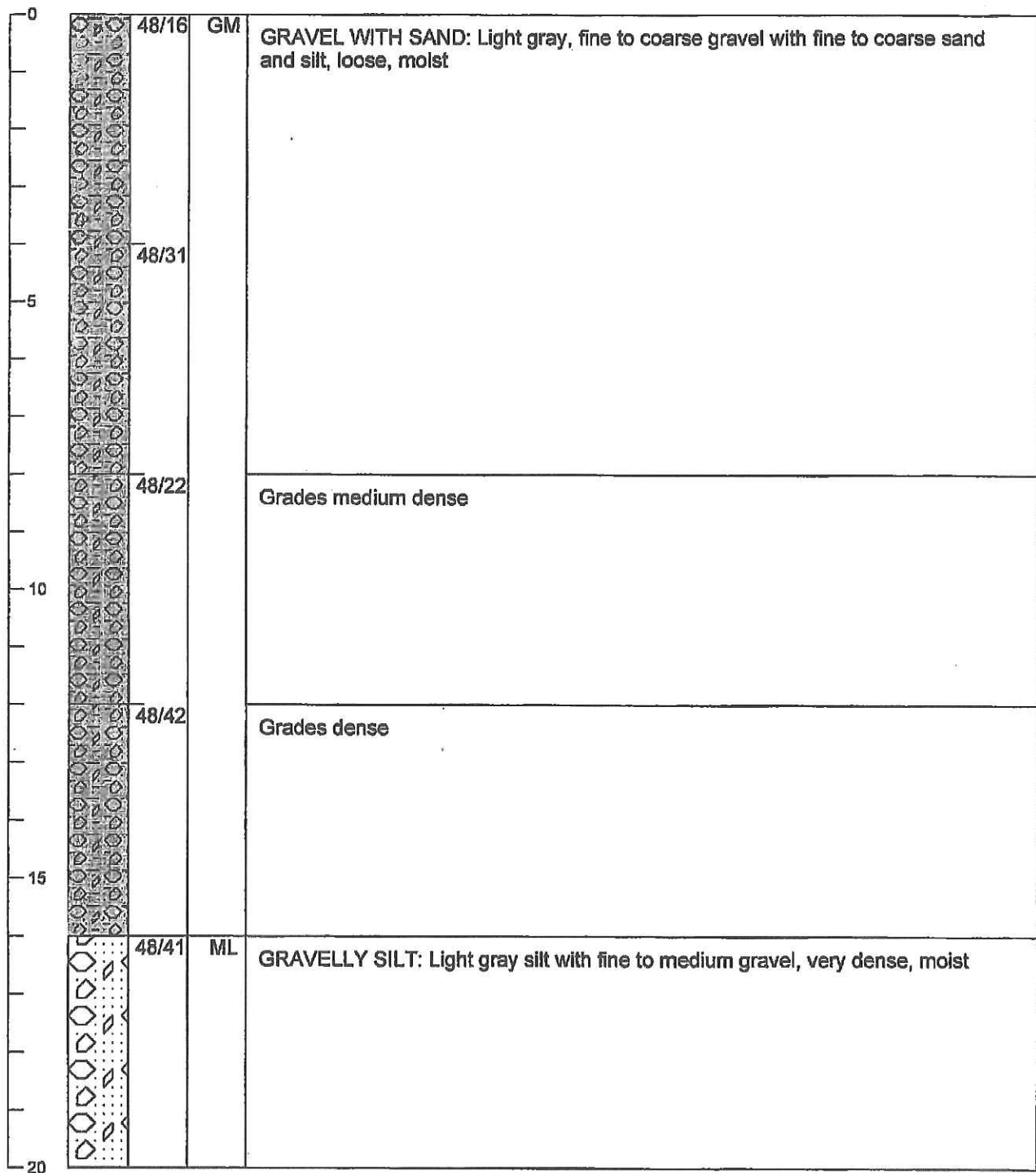
- Dry -** Absence of moisture, dusty, dry to the touch
Moist - Damp, but no visible water
Wet - Visible free water or saturated, usually soil is obtained from below water table

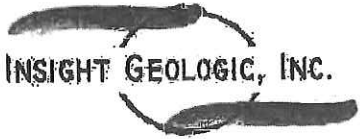
INSIGHT GEOLOGIC, INC.

SOIL CLASSIFICATION SYSTEM


FIGURE A-1

Project Name: Ostrom's Farm		Well No. : B1		
Location : Ostrom's Farm		Total Depth : 20 Feet		
Drilling Contractor : NW Probe				
Drilling Equipment : Power Probe 9630				
Driller : Rob Warren				
Logged By : Kevin Vandehey				
Date : 6/14/07				
Depth to water : N/A				
Depth/Feet	Lithology	Inches Driven /Recovery	USCS	SOIL DESCRIPTION

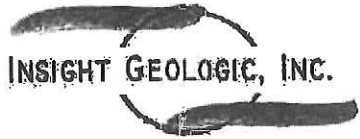


Project Name: Ostrom's Farms		Well No. : B2		
Location : Ostrom's Farms		Total Depth : 20 Feet		
Drilling Contractor : NW Probe				
Drilling Equipment : Power Probe 9630				
Driller : Rob Warren				
Logged By : Kevin Vandehey				
Date : 6/14/07				
Depth to water : N/A				
Depth/Feet	Lithology	Inches Driven /Recovery	USCS	SOIL DESCRIPTION


0		48/12	SP	SAND; Dark brown, silty, fine to medium sand with fine to medium gravel, loose, moist
5		48/17	GM	GRAVEL WITH SAND: Brown, fine to medium gravel with fine to coarse sand and silt, loose, moist
10		48/25		Grades medium dense
15		48/34		Grades very dense
20		48/48		

Project Name: Ostrom's Farm		Well No. : B3		
Location : Ostrom's Farm		Total Depth : 16 Feet		
Drilling Contractor : NW Probe				
Drilling Equipment : Power Probe 9630				
Driller : Rob Warren				
Logged By : Kevin Vandehay				
Date : 6/20/07				
Depth to water : N/A				
Depth/Feet	Lithology	Inches Driven /Recovery	USCS	SOIL DESCRIPTION


0		48/23	GM	GRAVEL: Light gray fine to coarse, with fine to medium sand, and silt, loose, moist
		48/25	GM	GRAVEL: Light gray fine to coarse, with fine to medium sand, and silt, loose, moist
5				
		48/26	GM	GRAVEL: Light gray fine to coarse, with fine to medium sand, and silt, loose, moist
10		48/30	GM	GRAVEL: Light gray fine to coarse, with fine to medium sand, and silt, loose, moist
15				
20				

Project Name: Ostrom's Farm		Well No.: B4		
Location: Ostrom's Farm		Total Depth: 20 Feet		
Drilling Contractor: NW Probe				
Drilling Equipment: Power Probe 9630				
Driller: Rob Warren				
Logged By: Kevin Vandehey				
Date: 6/20/07				
Depth to water: N/A				
Depth/Feet	Lithology	Inches Driven /Recovery	USCS	SOIL DESCRIPTION

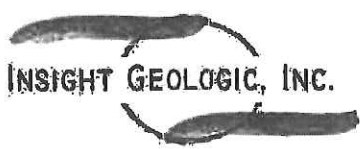
0		48/20	SP	SAND: Dark brown, silty, fine to medium sand with fine to medium gravel, loose, moist
5		48/22	GM	GRAVEL WITH SAND: Light brown, fine to medium gravel with fine to coarse sand and silt, medium dense, moist
10		48/12		Grades dense
15		48/26	SP	SAND: Light gray, fine to coarse sand with fine gravel, trace silt, dense, moist
20		48/32	GM	GRAVEL WITH SAND: Light gray, fine to medium gravel with fine to coarse sand and silt, very dense, moist to wet

Project Name: Ostrom's Farm		Well No.: B5		
Location: Ostrom's Farm		Total Depth: 18 Feet		
Drilling Contractor: NW Probe				
Drilling Equipment: Power Probe 9630				
Driller: Rob Warren				
Logged By: Kevin Vandehey				
Date: 6/20/07				
Depth to water: N/A				
Depth/Feet	Lithology	Inches Driven /Recovery	USCS	SOIL DESCRIPTION

0		48/17	SM	SILTY SAND: Dark brown, silty, fine sand with fine gravel, loose, moist
5		48/19	GM	GRAVEL WITH SAND: Light gray, fine to medium gravel with coarse to fine sand and silt, loose, moist
10		48/31		Grades medium dense
15		48/18		Grades dense
		24/24		Grades very dense


Project Name: Ostrom's Farm		Well No.: B6		
Location: Ostrom's Farm		Total Depth: 16 Feet		
Drilling Contractor: NW Probe				
Drilling Equipment: Power Probe 9630				
Driller: Rob Warren				
Logged By: Kevin Vandehey				
Date: 6/20/07				
Depth to water: N/A				
Depth/Feet	Lithology	Inches Driven / Recovery	USCS	SOIL DESCRIPTION

0		48/10	ML	SILT: Dark brown silt with fine to medium gravel, loose, moist, slight oil smell
5		48/14	GM	GRAVEL WITH SAND: Light gray, fine to coarse gravel with fine to coarse sand and silt, medium dense, moist
		48/28		Grades dense
10		48/32		Grades very dense
15				


Project Name: Ostrom's Farm	Well No.: B7	
Location: Ostrom's Farm	Total Depth: 16 Feet	
Drilling Contractor: NW Probe		
Drilling Equipment: Power Probe 9630		
Driller: Rob Warren		
Logged By: Kevin Vandehey		
Date: 6/20/07		
Depth to water: N/A		

Depth/Feet	Lithology	Inches Driven / Recovery	USCS	SOIL DESCRIPTION
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0		48/18	SM	SILTY SAND: Dark brown, silty, fine to medium sand with fine gravel, loose, moist
5		48/16	GM	GRAVEL WITH SAND: Light gray, fine to medium gravel with fine to coarse sand and silt, medium dense, moist
		48/25		Grades dense
		48/26		Grades very dense
15				

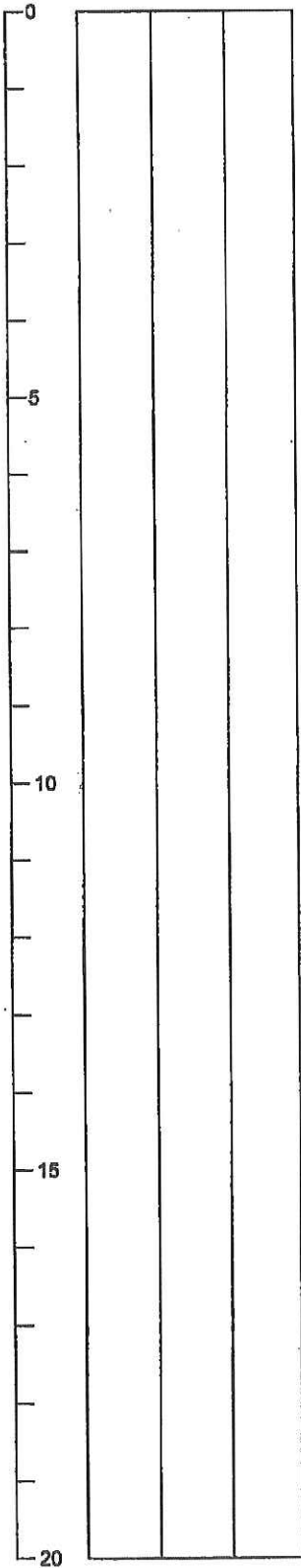
Project Name: Ostrom's Farm		Well No. : B8		
Location : Ostrom's Farm		Total Depth : 20 Feet		
Drilling Contractor : NW Probe				
Drilling Equipment : Power Probe 9630				
Driller : Rob Warren				
Logged By : Kevin Vandehey				
Date : 6/20/07				
Depth to water : N/A				
Depth/Feet	Lithology	Inches Driven / Recovery	USCS	SOIL DESCRIPTION

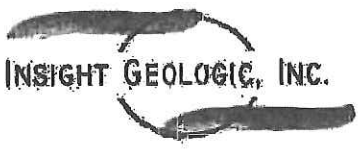
0		48/13	GM	GRAVEL WITH SAND: Light gray, fine to coarse gravel with fine to coarse sand and silt, medium dense, moist
		48/25		Grades dense
		48/28		
		48/31		
		48/34		Grades very dense
20				

Project Name: Ostrom's Farm		Well No. : B9		
Location : Ostrom's Farm		Total Depth : 20 Feet		
Drilling Contractor : NW Probe				
Drilling Equipment : Power Probe 9630				
Driller : Rob Warren				
Logged By : Kevin Vandehey				
Date : 6/20/07				
Depth to water : N/A				
Depth/Feet	Lithology	Inches Driven /Recovery	USCS	SOIL DESCRIPTION


0		48/17	GM	GRAVEL WITH SAND: Light brown, fine to medium gravel with fine to coarse sand and silt, loose, moist
5		48/18		
10		48/21		Grades medium dense
15		48/29		Grades dense
20		48/31		Grades very dense

Project Name: Ostrom's Farm	Well No. : B10
<div>Not Drilled</div> <div></div>	




Project Name: Ostrom's Farm		Well No. : B11		
Location : Ostrom's Farm		Total Depth : 15.5 Feet		
Drilling Contractor : NW Probe				
Drilling Equipment : Power Probe 9830				
Driller : Rob Warren				
Logged By : Kevin Vandehey				
Date : 6/14/07				
Depth to water : N/A				
Depth/Feet	Lithology	Inches Driven /Recovery	USCS	SOIL DESCRIPTION


0		48/17	SM	SILTY SAND: Dark brown, silty, fine to medium sand, loose, moist
5		48/23	ML	SILT: Dark brown/black silt, soft, moist Petroleum odor at 7 feet
10		48/16	GM	GRAVEL WITH SAND: Gray, fine to medium gravel with fine to coarse sand and silt, dense, moist to wet
15		42/	ML	SILT: Green gray silt with fine to medium sand and fine to medium gravel, very dense, wet



Project Name: Ostrom's Farm		Well No. : B12		
Location : Ostrom's Farm		Total Depth : 16 Feet		
Drilling Contractor : NW Probe				
Drilling Equipment : Power Probe 9630				
Driller : Rob Warren				
Logged By : Kevin Vandehey				
Date : 6/14/07				
Depth to water : 13 Feet				
Depth/Feet	Lithology	Inches Driven / Recovery	USCS	SOIL DESCRIPTION

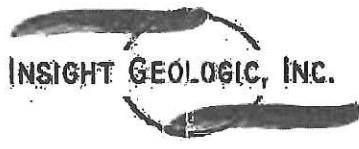
0		48/0		No recovery
5		48/3	SM	SILTY SAND: Brown, silty fine sand with fine to medium gravel, loose, dry
10		48/16	GM	GRAVEL WITH SAND: Brown, fine to coarse gravel with fine to coarse sand and silt, dense, moist
15		48/33	SM	SILTY SAND: Gray, fine to coarse sand with fine to coarse gravel and silt, very dense, moist to wet

Project Name: Ostrom's Farm		Well No.: B13		
Location: Ostrom's Farm		Total Depth: 19 Feet		
Drilling Contractor: NW Probe				
Drilling Equipment: Power Probe 9630				
Driller: Rob Warren				
Logged By: Kevin Vandehey				
Date: 6/14/07				
Depth to water: N/A				
Depth/Feet	Lithology	Inches Driven /Recovery	USCS	SOIL DESCRIPTION


0		48/16	SM	SILTY SAND: Dark brown, silty fine sand with fine to medium gravel, loose, moist
		48/3		
5				
		48/13	GM	GRAVEL WITH SAND: Light gray, fine to coarse gravel with fine to medium sand and silt, medium dense, moist
10				
		48/24		Grades dense
15				
		48/27		Grades very dense

Project Name: Ostrom's Farm		Well No.: B14		
Location: Ostrom's Farm		Total Depth: 20 Feet		
Drilling Contractor: NW Probe				
Drilling Equipment: Power Probe 9630				
Driller: Rob Warren				
Logged By: Kevin Vandehey				
Date: 6/14/07				
Depth to water: N/A				
Depth/Feet	Lithology	Inches Driven /Recovery	USCS	SOIL DESCRIPTION


0		48/7	SM	SILTY SAND: Dark brown, silty sand with fine gravel, loose, moist
5		48/0		No sample recovered
10		48/7	GM	GRAVEL WITH SAND: Light gray, fine to medium gravel with fine to medium sand and silt, medium dense, moist
15		48/25		Grades dense
20		48/29		Grades very dense

Project Name: Ostrom's Farm		Well No.: B15		
Location: Ostrom's Farm		Total Depth: 20 Feet		
Drilling Contractor: NW Probe				
Drilling Equipment: Power Probe 9830				
Driller: Rob Warren				
Logged By: Kevin Vandehey				
Date: 6/14/07				
Depth to water: N/A				
Depth/Feet	Lithology	Inches Driven / Recovery	USCS	SOIL DESCRIPTION

0		48/15	SM	SILTY SAND: Dark brown silty fine sand, occasional fine gravel, loose, moist
5		48/13	GM	GRAVEL WITH SAND: Brown, fine to coarse gravel with fine to coarse sand and silt, loose, moist
		48/12		Grades medium dense
10		48/13		Grades dense
15		48/31		Grades very dense
20				

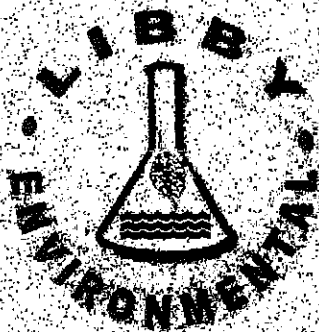
Project Name: Ostrom's Farm		Well No. : B16		
Location : Ostrom's Farm		Total Depth : 20 Feet		
Drilling Contractor : NW Probe				
Drilling Equipment : Power Probe 9630				
Driller : Rob Warren				
Logged By : Kevin Vandehey				
Date : 6/15/07				
Depth to water : N/A				
Depth/Feet	Lithology	Inches Driven /Recovery	USCS	SOIL DESCRIPTION

0	48/10	SM	SILTY SAND: Dark brown, silty fine to medium sand with fine to medium gravel, loose, moist
5	48/23	SP	SAND: Light gray, fine to coarse sand with fine to coarse gravel and silt, medium dense, moist
10	48/24	GM	GRAVEL WITH SAND: Light gray, fine to medium gravel with fine to coarse sand and silt, dense, moist
15	48/25		
20	48/20		Grades very dense

Project Name: Ostrom's Farm		Well No. : B17		
Location : Ostrom's Farm		Total Depth : 17 Feet		
Drilling Contractor : NW Probe				
Drilling Equipment : Power Probe 9630				
Driller : Rob Warren				
Logged By : Kevin Vandehey				
Date : 6/15/07				
Depth to water : N/A				
Depth/Feet	Lithology	Inches Driven /Recovery	USCS	SOIL DESCRIPTION

0		48/16	GM	GRAVEL WITH SAND: Brown, fine to coarse gravel with fine to coarse sand and silt, loose, moist
		48/22		Grades medium dense
5		48/26		Grades dense
10		48/35		Grades very dense
15		48/		

ATTACHMENT B
LABORATORY REPORTS



Libby Environmental, Inc.

4139 Libby Road N.E., Olympia, WA 98506-2518

July 13, 2007

Bill Halbert
Insight Geologic, PLLC
2528 Ellis Street
Olympia, WA 98501

Dear Mr. Halbert:

Please find enclosed the analytical data report for the Ostrom's Farm project located in Olympia Washington. Mobile Lab Services were conducted on June 14 & 15, 2007. Soil and water samples were analyzed for Diesel & Oil by NWTPH-Dx/Dx Extended, Gasoline by NWTPH-Gx, Hydrocarbon Identification by NWTPH-HCID, VOC's by EPA Method 8260B, Total Lead by EPA Method 7000 Series, and Pesticides by EPA Method 8081.

The results of the analyses are summarized in the attached tables. Applicable detection limits and QA/QC data are included. An invoice for this analytical work is also enclosed. All soil samples are reported on a dry weight basis.

Libby Environmental, Inc. appreciates the opportunity to have provided analytical services for this project. If you have any further questions about the data report, please give me a call. It was a pleasure working with you on this project, and we are looking forward to the next opportunity to work together.

Sincerely,

Sherry L. Chilcutt
President
Libby Environmental, Inc.

Phone (360) 352-2110 • Fax (360) 352-4154 • libbyenv@aol.com

**ATTACHMENT B
CHEMICAL ANALYTICAL PROGRAM**

ANALYTICAL METHODS

Chain-of-custody procedures were followed during the transfer of field samples to the analytical laboratory. The samples were held in cold storage pending extraction and/or analysis. The analytical results, analytical methods reference and laboratory quality assurance/quality control (QA/QC) records are included in this Attachment. The analytical results are also summarized in the text of this report.

ANALYTICAL DATA REVIEW

The laboratory maintains an internal quality assurance program as documented in its laboratory quality assurance manual. The laboratory uses a combination of blanks, surrogate recoveries, duplicates, matrix spike recoveries, matrix spike duplicate recoveries, blank spike recoveries, and blank spike duplicate recoveries to evaluate the validity of the analytical results. The laboratory also uses data quality goals for individual chemicals or groups of chemicals based on the long-term performance of the test methods. The data quality goals were included in the laboratory reports. The laboratory compared each group of samples with the existing data quality goals and noted any exceptions in the laboratory report.

ANALYTICAL DATA REVIEW SUMMARY

Based on our data quality review, it is our opinion that the analytical data are of acceptable quality for their intended use.

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

OSTROMS PROJECT

Lacey, Washington

Insight Geologic, Inc.

Libby Env. Project No. L070614-10

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260B IN SOIL

Sample Description		Method Blank	B1-14'	B1-20'	B2-14'	B2-20'	B11-8'
Date Extracted	Reporting	N/A	6/14/07	6/14/07	6/14/07	6/14/07	6/14/07
Date Analyzed	Limits	6/14/07	6/14/07	6/14/07	6/14/07	6/14/07	6/14/07
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Dichlorodifluoromethane	0.06	nd	nd	nd	nd	nd	nd
Chloromethane	0.06	nd	nd	nd	nd	nd	nd
Vinyl chloride *	0.02	nd	nd	nd	nd	nd	nd
Bromomethane	0.09	nd	nd	nd	nd	nd	nd
Chloroethane	0.06	nd	nd	nd	nd	nd	nd
Trichlorofluoromethane	0.05	nd	nd	nd	nd	nd	nd
1,1-Dichloroethene	0.05	nd	nd	nd	nd	nd	nd
Methylene chloride	0.02	nd	nd	nd	nd	nd	nd
<i>trans</i> -1,2-Dichloroethene	0.02	nd	nd	nd	nd	nd	nd
1,1-Dichloroethane	0.02	nd	nd	nd	nd	nd	nd
2,2-Dichloropropane	0.05	nd	nd	nd	nd	nd	nd
<i>cis</i> -1,2-Dichloroethene	0.02	nd	nd	nd	nd	nd	nd
Chloroform	0.02	nd	nd	nd	nd	nd	nd
1,1,1-Trichloroethane (TCA)	0.02	nd	nd	nd	nd	nd	nd
Carbon tetrachloride	0.02	nd	nd	nd	nd	nd	nd
1,1-Dichloropropene	0.02	nd	nd	nd	nd	nd	nd
Benzene	0.02	nd	nd	nd	nd	nd	nd
1,2-Dichloroethane (EDC)	0.03	nd	nd	nd	nd	nd	nd
Trichloroethene (TCE)	0.03	nd	nd	nd	nd	nd	nd
1,2-Dichloropropane	0.02	nd	nd	nd	nd	nd	nd
Dibromomethane	0.04	nd	nd	nd	nd	nd	nd
Bromodichloromethane	0.02	nd	nd	nd	nd	nd	nd
<i>cis</i> -1,3-Dichloropropene	0.02	nd	nd	nd	nd	nd	nd
Toluene	0.02	nd	nd	nd	nd	nd	nd
<i>Trans</i> -1,3-Dichloropropene	0.03	nd	nd	nd	nd	nd	nd
1,1,2-Trichloroethane	0.03	nd	nd	nd	nd	nd	nd
Tetrachloroethene (PCE)	0.02	nd	nd	nd	nd	nd	nd
1,3-Dichloropropane	0.05	nd	nd	nd	nd	nd	nd
Dibromochloromethane	0.03	nd	nd	nd	nd	nd	nd
1,2-Dibromoethane (EDB) *	0.005	nd	nd	nd	nd	nd	nd
Chlorobenzene	0.02	nd	nd	nd	nd	nd	nd
1,1,1,2-Tetrachloroethane	0.03	nd	nd	nd	nd	nd	nd
Ethylbenzene	0.03	nd	nd	nd	nd	nd	nd
Total Xylenes	0.03	nd	nd	nd	nd	nd	nd
Styrenes	0.02	nd	nd	nd	nd	nd	nd

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

OSTROMS PROJECT

Lacey, Washington

Insight Geologic, Inc.

Libby Env.Project No.L070614-10

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260B IN SOIL

Sample Description	Method	B1-14'	B1-20'	B2-14'	B2-20'	B11-8'
	Blank					
Date Extracted	Reporting	N/A	6/14/07	6/14/07	6/14/07	6/14/07
Date Analyzed	Limits	6/14/07	6/14/07	6/14/07	6/14/07	6/14/07
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Bromoform	0.02	nd	nd	nd	nd	nd
Isopropylbenzene	0.08	nd	nd	nd	nd	nd
1,2,3-Trichloropropane	0.02	nd	nd	nd	nd	nd
Bromobenzene	0.03	nd	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	0.02	nd	nd	nd	nd	nd
n-Propylbenzene	0.02	nd	nd	nd	nd	nd
2-Chlorotoluene	0.02	nd	nd	nd	nd	nd
4-Chlorotoluene	0.02	nd	nd	nd	nd	nd
1,3,5-Trimethylbenzene	0.02	nd	nd	nd	nd	nd
tert-Butylbenzene	0.02	nd	nd	nd	nd	nd
1,2,4-Trimethylbenzene	0.02	nd	nd	nd	nd	nd
sec-Butylbenzene	0.02	nd	nd	nd	nd	nd
1,3-Dichlorobenzene	0.02	nd	nd	nd	nd	nd
Isopropyltoluene	0.02	nd	nd	nd	nd	nd
1,4-Dichlorobenzene	0.02	nd	nd	nd	nd	nd
1,2-Dichlorobenzene	0.02	nd	nd	nd	nd	nd
n-Butylbenzene	0.02	nd	nd	nd	nd	nd
1,2-Dibromo-3-Chloropropane	0.03	nd	nd	nd	nd	nd
1,2,4-Trichlorobenzene	0.05	nd	nd	nd	nd	nd
Hexachloro-1,3-butadiene	0.10	nd	nd	nd	nd	nd
Naphthalene	0.03	nd	nd	nd	nd	nd
1,2,3-Trichlorobenzene	1.0	nd	nd	nd	nd	nd
Surrogate Recovery						
Dibromofluoromethane	114	122	118	124	123	125
1,2-Dichloroethane-d4	108	114	112	114	116	118
Toluene-d8	105	108	106	110	107	108
4-Bromofluorobenzene	105	109	112	110	110	112

"nd" Indicates not detected at listed detection limit.

"int" Indicates that interference prevents determination.

* INSTRUMENT DETECTION LIMIT

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

OSTROMS PROJECT

Lacey, Washington

Insight Geologic, Inc.

Libby Env.Project No.L070614-10

QA/QC Data - EPA 8260B Analyses

Sample Identification: L070613-1						
	Matrix Spike			Matrix Spike Duplicate		RPD
	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)
1,1-Dichloroethene	2.00	1.70	85	2.00	1.41	71
Benzene	2.00	1.97	99	2.00	1.58	79
Toluene	2.00	2.04	102	2.00	1.68	84
Chlorobenzene	2.00	2.39	120	2.00	2.11	106
Trichloroethene (TCE)	2.00	2.25	113	2.00	1.89	95
Surrogate Recovery						
Dibromofluoromethane			113			111
1,2-Dichloroethane-d4			109			96
Toluene-d8			110			105
4-Bromofluorobenzene			106			96

Laboratory Control Sample			
	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)
1,1-Dichloroethene	2.00	1.49	75
Benzene	2.00	1.79	90
Toluene	2.00	1.83	92
Chlorobenzene	2.00	2.40	120
Trichloroethene (TCE)	2.00	2.17	109
Surrogate Recovery			
Dibromofluoromethane			116
1,2-Dichloroethane-d4			112
Toluene-d8			109
4-Bromofluorobenzene			102

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 65%-135%

ACCEPTABLE RPD IS 35%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

OSTROMS PROJECT

Lacey, Washington

Insight Geologic, Inc.

Libby Env. Project No. L070614-10

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260B IN SOIL

Sample Description		B11-15'	B12-11'	B12-16'	B12-16' Dup	Method Blank	TP1A 4'
Date Extracted	Reporting	6/14/07	6/14/07	6/14/07	6/14/07	N/A	6/15/07
Date Analyzed	Limits	6/14/07	6/14/07	6/14/07	6/14/07	6/15/07	6/15/07
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Dichlorodifluoromethane	0.06	nd	nd	nd	nd	nd	nd
Chloromethane	0.06	nd	nd	nd	nd	nd	nd
Vinyl chloride *	0.02	nd	nd	nd	nd	nd	nd
Bromomethane	0.09	nd	nd	nd	nd	nd	nd
Chloroethane	0.06	nd	nd	nd	nd	nd	nd
Trichlorofluoromethane	0.05	nd	nd	nd	nd	nd	nd
1,1-Dichloroethene	0.05	nd	nd	nd	nd	nd	nd
Methylene chloride	0.02	nd	nd	nd	nd	nd	nd
<i>trans</i> -1,2-Dichloroethene	0.02	nd	nd	nd	nd	nd	nd
1,1-Dichloroethane	0.02	nd	nd	nd	nd	nd	nd
2,2-Dichloropropane	0.05	nd	nd	nd	nd	nd	nd
<i>cis</i> -1,2-Dichloroethene	0.02	nd	nd	nd	nd	nd	nd
Chloroform	0.02	nd	nd	nd	nd	nd	nd
1,1,1-Trichloroethane (TCA)	0.02	nd	nd	nd	nd	nd	nd
Carbon tetrachloride	0.02	nd	nd	nd	nd	nd	nd
1,1-Dichloropropene	0.02	nd	nd	nd	nd	nd	nd
Benzene	0.02	nd	nd	nd	nd	nd	nd
1,2-Dichloroethane (EDC)	0.03	nd	nd	nd	nd	nd	nd
Trichloroethene (TCE)	0.03	nd	nd	nd	nd	nd	nd
1,2-Dichloropropane	0.02	nd	nd	nd	nd	nd	nd
Dibromomethane	0.04	nd	nd	nd	nd	nd	nd
Bromodichloromethane	0.02	nd	nd	nd	nd	nd	nd
<i>cis</i> -1,3-Dichloropropene	0.02	nd	nd	nd	nd	nd	nd
Toluene	0.02	nd	nd	nd	nd	nd	nd
<i>Trans</i> -1,3-Dichloropropene	0.03	nd	nd	nd	nd	nd	nd
1,1,2-Trichloroethane	0.03	nd	nd	nd	nd	nd	nd
Tetrachloroethene (PCE)	0.02	nd	nd	nd	nd	nd	nd
1,3-Dichloropropane	0.05	nd	nd	nd	nd	nd	nd
Dibromochloromethane	0.03	nd	nd	nd	nd	nd	nd
1,2-Dibromoethane (EDB) *	0.005	nd	nd	nd	nd	nd	nd
Chlorobenzene	0.02	nd	nd	nd	nd	nd	nd
1,1,1,2-Tetrachloroethane	0.03	nd	nd	nd	nd	nd	nd
Ethylbenzene	0.03	nd	nd	nd	nd	nd	nd
Total Xylenes	0.03	nd	nd	nd	nd	nd	nd
Styrenes	0.02	nd	nd	nd	nd	nd	nd

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

OSTROMS PROJECT

Lacey, Washington

Insight Geologic, Inc.

Libby Env.Project No.L070614-10

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260B IN SOIL

Sample Description		B11-15'	B12-11'	B12-16'	B12-16' Dup	Method Blank	TP1A 4'
Date Extracted	Reporting	6/14/07	6/14/07	6/14/07	6/14/07	N/A	6/15/07
Date Analyzed	Limits	6/14/07	6/14/07	6/14/07	6/14/07	6/15/07	6/15/07
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Bromoform	0.02	nd	nd	nd	nd	nd	nd
Isopropylbenzene	0.08	nd	nd	nd	nd	nd	nd
1,2,3-Trichloropropane	0.02	nd	nd	nd	nd	nd	nd
Bromobenzene	0.03	nd	nd	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	0.02	nd	nd	nd	nd	nd	nd
n-Propylbenzene	0.02	nd	nd	nd	nd	nd	nd
2-Chlorotoluene	0.02	nd	nd	nd	nd	nd	nd
4-Chlorotoluene	0.02	nd	nd	nd	nd	nd	nd
1,3,5-Trimethylbenzene	0.02	nd	nd	nd	nd	nd	nd
tert-Butylbenzene	0.02	nd	nd	nd	nd	nd	nd
1,2,4-Trimethylbenzene	0.02	nd	nd	nd	nd	nd	nd
sec-Butylbenzene	0.02	nd	nd	nd	nd	nd	nd
1,3-Dichlorobenzene	0.02	nd	nd	nd	nd	nd	nd
Isopropyltoluene	0.02	nd	nd	nd	nd	nd	nd
1,4-Dichlorobenzene	0.02	nd	nd	nd	nd	nd	nd
1,2-Dichlorobenzene	0.02	nd	nd	nd	nd	nd	nd
n-Butylbenzene	0.02	nd	nd	nd	nd	nd	nd
1,2-Dibromo-3-Chloropropane	0.03	nd	nd	nd	nd	nd	nd
1,2,4-Trichlorobenzene	0.05	nd	nd	nd	nd	nd	nd
Hexachloro-1,3-butadiene	0.10	nd	nd	nd	nd	nd	nd
Naphthalene	0.03	nd	nd	nd	nd	nd	nd
1,2,3-Trichlorobenzene	1.0	nd	nd	nd	nd	nd	nd
Surrogate Recovery							
Dibromofluoromethane		116	119	122	117	111	125
1,2-Dichloroethane-d4		114	117	113	111	106	124
Toluene-d8		106	109	106	105	108	110
4-Bromofluorobenzene		111	111	111	105	106	104

"nd" Indicates not detected at listed detection limit.

"int" Indicates that interference prevents determination.

* INSTRUMENT DETECTION LIMIT

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

OSTROMS PROJECT

Lacey, Washington

Insight Geologic, Inc.

Libby Env. Project No. L070614-10

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260B IN SOIL

Sample Description		TP1B-3.5'	TP2A-3.5'	TP2B-4'	TP3A-2.5'	TP3A-2.5'	TP3B-3'
						Dup	
Date Extracted	Reporting	6/15/07	6/15/07	6/15/07	6/15/07	6/15/07	6/15/07
Date Analyzed	Limits	6/15/07	6/15/07	6/15/07	6/15/07	6/15/07	6/15/07
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Dichlorodifluoromethane	0.06	nd	nd	nd	nd	nd	nd
Chloromethane	0.06	nd	nd	nd	nd	nd	nd
Vinyl chloride *	0.02	nd	nd	nd	nd	nd	nd
Bromomethane	0.09	nd	nd	nd	nd	nd	nd
Chloroethane	0.06	nd	nd	nd	nd	nd	nd
Trichlorofluoromethane	0.05	nd	nd	nd	nd	nd	nd
1,1-Dichloroethene	0.05	nd	nd	nd	nd	nd	nd
Methylene chloride	0.02	nd	nd	nd	nd	nd	nd
<i>trans</i> -1,2-Dichloroethene	0.02	nd	nd	nd	nd	nd	nd
1,1-Dichloroethane	0.02	nd	nd	nd	nd	nd	nd
2,2-Dichloropropane	0.05	nd	nd	nd	nd	nd	nd
<i>cis</i> -1,2-Dichloroethene	0.02	nd	nd	nd	nd	nd	nd
Chloroform	0.02	nd	nd	nd	nd	nd	nd
1,1,1-Trichloroethane (TCA)	0.02	nd	nd	nd	nd	nd	nd
Carbon tetrachloride	0.02	nd	nd	nd	nd	nd	nd
1,1-Dichloropropene	0.02	nd	nd	nd	nd	nd	nd
Benzene	0.02	nd	nd	nd	nd	nd	nd
1,2-Dichloroethane (EDC)	0.03	nd	nd	nd	nd	nd	nd
Trichloroethene (TCE)	0.03	nd	nd	nd	nd	nd	nd
1,2-Dichloropropane	0.02	nd	nd	nd	nd	nd	nd
Dibromomethane	0.04	nd	nd	nd	nd	nd	nd
Bromodichloromethane	0.02	nd	nd	nd	nd	nd	nd
<i>cis</i> -1,3-Dichloropropene	0.02	nd	nd	nd	nd	nd	nd
Toluene	0.02	nd	nd	nd	nd	nd	nd
<i>Trans</i> -1,3-Dichloropropene	0.03	nd	nd	nd	nd	nd	nd
1,1,2-Trichloroethane	0.03	nd	nd	nd	nd	nd	nd
Tetrachloroethene (PCE)	0.02	nd	nd	nd	nd	nd	nd
1,3-Dichloropropane	0.05	nd	nd	nd	nd	nd	nd
Dibromochloromethane	0.03	nd	nd	nd	nd	nd	nd
1,2-Dibromoethane (EDB) *	0.005	nd	nd	nd	nd	nd	nd
Chlorobenzene	0.02	nd	nd	nd	nd	nd	nd
1,1,1,2-Tetrachloroethane	0.03	nd	nd	nd	nd	nd	nd
Ethylbenzene	0.03	nd	nd	nd	nd	nd	nd
Total Xylenes	0.03	nd	nd	nd	nd	nd	nd
Styrenes	0.02	nd	nd	nd	nd	nd	nd

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

OSTROMS PROJECT

Lacey, Washington

Insight Geologic, Inc.

Libby Env. Project No. L070614-10

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260B IN SOIL

Sample Description		TP1B-3.5'	TP2A-3.5'	TP2B-4'	TP3A-2.5'	TP3A-2.5' Dup	TP3B-3'
Date Extracted	Reporting	6/15/07	6/15/07	6/15/07	6/15/07	6/15/07	6/15/07
Date Analyzed	Limits	6/15/07	6/15/07	6/15/07	6/15/07	6/15/07	6/15/07
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Bromoform	0.02	nd	nd	nd	nd	nd	nd
Isopropylbenzene	0.08	nd	nd	nd	nd	nd	nd
1,2,3-Trichloropropane	0.02	nd	nd	nd	nd	nd	nd
Bromobenzene	0.03	nd	nd	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	0.02	nd	nd	nd	nd	nd	nd
n-Propylbenzene	0.02	nd	nd	nd	nd	nd	nd
2-Chlorotoluene	0.02	nd	nd	nd	nd	nd	nd
4-Chlorotoluene	0.02	nd	nd	nd	nd	nd	nd
1,3,5-Trimethylbenzene	0.02	nd	nd	nd	nd	nd	nd
tert-Butylbenzene	0.02	nd	nd	nd	nd	nd	nd
1,2,4-Trimethylbenzene	0.02	nd	nd	nd	nd	nd	nd
sec-Butylbenzene	0.02	nd	nd	nd	nd	nd	nd
1,3-Dichlorobenzene	0.02	nd	nd	nd	nd	nd	nd
Isopropyltoluene	0.02	nd	nd	nd	nd	nd	nd
1,4-Dichlorobenzene	0.02	nd	nd	nd	nd	nd	nd
1,2-Dichlorobenzene	0.02	nd	nd	nd	nd	nd	nd
n-Butylbenzene	0.02	nd	nd	nd	nd	nd	nd
1,2-Dibromo-3-Chloropropane	0.03	nd	nd	nd	nd	nd	nd
1,2,4-Trichlorobenzene	0.05	nd	nd	nd	nd	nd	nd
Hexachloro-1,3-butadiene	0.10	nd	nd	nd	nd	nd	nd
Naphthalene	0.03	nd	nd	nd	nd	nd	nd
1,2,3-Trichlorobenzene	1.0	nd	nd	nd	nd	nd	nd
Surrogate Recovery							
Dibromofluoromethane		118	119	117	109	105	117
1,2-Dichloroethane-d4		117	119	116	105	96.8	109
Toluene-d8		106	107	107	102	103	107
4-Bromofluorobenzene		107	104	105	110	103	108

"nd" Indicates not detected at listed detection limit.

"int" Indicates that interference prevents determination.

* INSTRUMENT DETECTION LIMIT

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

OSTROMS PROJECT

Lacey, Washington

Insight Geologic, Inc.

Libby Env. Project No. L070614-10

QA/QC Data - EPA 8260B Analyses

Sample Identification: TP3C-2.5'							
	Matrix Spike			Matrix Spike Duplicate			RPD
	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)	
1,1-Dichloroethene	2.00	1.61	81	2.00	1.61	81	0.0
Benzene	2.00	2.00	100	2.00	1.96	98	2.0
Toluene	2.00	1.52	76	2.00	1.99	100	26.8
Chlorobenzene	2.00	2.22	111	2.00	2.19	110	1.4
Trichloroethene (TCE)	2.00	2.36	118	2.00	2.33	117	1.3

Surrogate Recovery

Dibromofluoromethane	113	109
1,2-Dichloroethane-d4	101	93
Toluene-d8	106	107
4-Bromofluorobenzene	99	99

Laboratory Control Sample

	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)
1,1-Dichloroethene	2.00	1.95	98
Benzene	2.00	1.69	85
Toluene	2.00	1.77	89
Chlorobenzene	2.00	2.29	115
Trichloroethene (TCE)	2.00	2.01	101

Surrogate Recovery

Dibromofluoromethane	117
1,2-Dichloroethane-d4	106
Toluene-d8	108
4-Bromofluorobenzene	104

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 65%-135%

ACCEPTABLE RPD IS 35%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

OSTROMS PROJECT

Lacey, Washington

Insight Geologic, Inc.

Libby Env. Project No. L070614-10

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260B IN SOIL

Sample Description		TP3C-2.5'	TP3D-2'	HA1-1	HA2	TP4A-1	TP4B-1
Date Extracted	Reporting	6/15/07	6/15/07	6/15/07	6/15/07	6/15/07	6/15/07
Date Analyzed	Limits	6/15/07	6/15/07	6/15/07	6/15/07	6/15/07	6/15/07
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Dichlorodifluoromethane	0.06	nd	nd	nd	nd	nd	nd
Chloromethane	0.06	nd	nd	nd	nd	nd	nd
Vinyl chloride *	0.02	nd	nd	nd	nd	nd	nd
Bromomethane	0.09	nd	nd	nd	nd	nd	nd
Chloroethane	0.06	nd	nd	nd	nd	nd	nd
Trichlorofluoromethane	0.05	nd	nd	nd	nd	nd	nd
1,1-Dichloroethene	0.05	nd	nd	nd	nd	nd	nd
Methylene chloride	0.02	nd	nd	nd	nd	nd	nd
<i>trans</i> -1,2-Dichloroethene	0.02	nd	nd	nd	nd	nd	nd
1,1-Dichloroethane	0.02	nd	nd	nd	nd	nd	nd
2,2-Dichloropropane	0.05	nd	nd	nd	nd	nd	nd
<i>cis</i> -1,2-Dichloroethene	0.02	nd	nd	nd	nd	nd	nd
Chloroform	0.02	nd	nd	nd	nd	nd	nd
1,1,1-Trichloroethane (TCA)	0.02	nd	nd	nd	nd	nd	nd
Carbon tetrachloride	0.02	nd	nd	nd	nd	nd	nd
1,1-Dichloropropene	0.02	nd	nd	nd	nd	nd	nd
Benzene	0.02	nd	nd	nd	nd	nd	nd
1,2-Dichloroethane (EDC)	0.03	nd	nd	nd	nd	nd	nd
Trichloroethene (TCE)	0.03	nd	nd	nd	nd	nd	nd
1,2-Dichloropropane	0.02	nd	nd	nd	nd	nd	nd
Dibromomethane	0.04	nd	nd	nd	nd	nd	nd
Bromodichloromethane	0.02	nd	nd	nd	nd	nd	nd
<i>cis</i> -1,3-Dichloropropene	0.02	nd	nd	nd	nd	nd	nd
Toluene	0.02	nd	nd	0.31	nd	nd	nd
<i>Trans</i> -1,3-Dichloropropene	0.03	nd	nd	nd	nd	nd	nd
1,1,2-Trichloroethane	0.03	nd	nd	nd	nd	nd	nd
Tetrachloroethene (PCE)	0.02	nd	nd	nd	nd	nd	nd
1,3-Dichloropropane	0.05	nd	nd	nd	nd	nd	nd
Dibromochloromethane	0.03	nd	nd	nd	nd	nd	nd
1,2-Dibromoethane (EDB) *	0.005	nd	nd	nd	nd	nd	nd
Chlorobenzene	0.02	nd	nd	nd	nd	nd	nd
1,1,1,2-Tetrachloroethane	0.03	nd	nd	nd	nd	nd	nd
Ethylbenzene	0.03	nd	nd	nd	nd	nd	nd
Total Xylenes	0.03	nd	nd	nd	nd	nd	nd
Styrenes	0.02	nd	nd	nd	nd	nd	nd

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

OSTROMS PROJECT

Lacey, Washington

Insight Geologic, Inc.

Libby Env.Project No.L070614-10

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260B IN SOIL

Sample Description		TP3C-2.5'	TP3D-2'	HA1-1	HA2	TP4A-1	TP4B-1
Date Extracted	Reporting	6/15/07	6/15/07	6/15/07	6/15/07	6/15/07	6/15/07
Date Analyzed	Limits	6/15/07	6/15/07	6/15/07	6/15/07	6/15/07	6/15/07
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Bromoform	0.02	nd	nd	nd	nd	nd	nd
Isopropylbenzene	0.08	nd	nd	nd	nd	nd	nd
1,2,3-Trichloropropane	0.02	nd	nd	nd	nd	nd	nd
Bromobenzene	0.03	nd	nd	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	0.02	nd	nd	nd	nd	nd	nd
n-Propylbenzene	0.02	nd	nd	nd	nd	nd	nd
2-Chlorotoluene	0.02	nd	nd	nd	nd	nd	nd
4-Chlorotoluene	0.02	nd	nd	nd	nd	nd	nd
1,3,5-Trimethylbenzene	0.02	nd	nd	nd	nd	nd	nd
tert-Butylbenzene	0.02	nd	nd	nd	nd	nd	nd
1,2,4-Trimethylbenzene	0.02	nd	nd	nd	nd	nd	nd
sec-Butylbenzene	0.02	nd	nd	nd	nd	nd	nd
1,3-Dichlorobenzene	0.02	nd	nd	nd	nd	nd	nd
Isopropyltoluene	0.02	nd	nd	nd	nd	nd	nd
1,4-Dichlorobenzene	0.02	nd	nd	nd	nd	nd	nd
1,2-Dichlorobenzene	0.02	nd	nd	nd	nd	nd	nd
n-Butylbenzene	0.02	nd	nd	nd	nd	nd	nd
1,2-Dibromo-3-Chloropropane	0.03	nd	nd	nd	nd	nd	nd
1,2,4-Trichlorobenzene	0.05	nd	nd	nd	nd	nd	nd
Hexachloro-1,3-butadiene	0.10	nd	nd	nd	nd	nd	nd
Naphthalene	0.03	nd	nd	nd	nd	nd	nd
1,2,3-Trichlorobenzene	1.0	nd	nd	nd	nd	nd	nd
Surrogate Recovery							
Dibromofluoromethane		112	114	111	108	110	113
1,2-Dichloroethane-d4		103	103	97.2	98.2	103	105
Toluene-d8		107	107	107	106	108	108
4-Bromofluorobenzene		104	102	109	98.4	99.3	102

"nd" Indicates not detected at listed detection limit.

"int" Indicates that interference prevents determination.

* INSTRUMENT DETECTION LIMIT

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

OSTROMS PROJECT

Lacey, Washington

Insight Geologic, Inc.

Libby Env.Project No.L070614-10

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260B IN SOIL

Sample Description	Method	B3-16'	B4-20'	B6-4'	B5-12'	B7-12'
	Blank					
Date Extracted	Reporting	N/A	6/20/07	6/20/07	6/20/07	6/20/07
Date Analyzed	Limits	6/23/07	6/21/07	6/23/07	6/23/07	6/23/07
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Dichlorodifluoromethane	0.06	nd	nd	nd	nd	nd
Chloromethane	0.06	nd	nd	nd	nd	nd
Vinyl chloride *	0.02	nd	nd	nd	nd	nd
Bromomethane	0.09	nd	nd	nd	nd	nd
Chloroethane	0.06	nd	nd	nd	nd	nd
Trichlorofluoromethane	0.05	nd	nd	nd	nd	nd
1,1-Dichloroethene	0.05	nd	nd	nd	nd	nd
Methylene chloride	0.02	nd	nd	nd	nd	nd
<i>trans</i> -1,2-Dichloroethene	0.02	nd	nd	nd	nd	nd
1,1-Dichloroethane	0.02	nd	nd	nd	nd	nd
2,2-Dichloropropane	0.05	nd	nd	nd	nd	nd
<i>cis</i> -1,2-Dichloroethene	0.02	nd	nd	nd	nd	nd
Chloroform	0.02	nd	nd	nd	nd	nd
1,1,1-Trichloroethane (TCA)	0.02	nd	nd	nd	nd	nd
Carbon tetrachloride	0.02	nd	nd	nd	nd	nd
1,1-Dichloropropene	0.02	nd	nd	nd	nd	nd
Benzene	0.02	nd	nd	nd	nd	nd
1,2-Dichloroethane (EDC)	0.03	nd	nd	nd	nd	nd
Trichloroethene (TCE)	0.03	nd	nd	nd	nd	nd
1,2-Dichloropropane	0.02	nd	nd	nd	nd	nd
Dibromomethane	0.04	nd	nd	nd	nd	nd
Bromodichloromethane	0.02	nd	nd	nd	nd	nd
<i>cis</i> -1,3-Dichloropropene	0.02	nd	nd	nd	nd	nd
Toluene	0.02	nd	nd	nd	nd	nd
<i>Trans</i> -1,3-Dichloropropene	0.03	nd	nd	nd	nd	nd
1,1,2-Trichloroethane	0.03	nd	nd	nd	nd	nd
Tetrachloroethene (PCE)	0.02	nd	nd	nd	nd	nd
1,3-Dichloropropane	0.05	nd	nd	nd	nd	nd
Dibromochloromethane	0.03	nd	nd	nd	nd	nd
1,2-Dibromoethane (EDB) *	0.005	nd	nd	nd	nd	nd
Chlorobenzene	0.02	nd	nd	nd	nd	nd
1,1,1,2-Tetrachloroethane	0.03	nd	nd	nd	nd	nd
Ethylbenzene	0.03	nd	nd	nd	nd	nd
Total Xylenes	0.03	nd	nd	0.056	nd	nd
Styrenes	0.02	nd	nd	nd	nd	nd

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

OSTROMS PROJECT

Lacey, Washington

Insight Geologic, Inc.

Libby Env. Project No. L070614-10

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260B IN SOIL

Sample Description	Method	B3-16'	B4-20'	B6-4'	B5-12'	B7-12'
	Blank					
Date Extracted	Reporting	N/A	6/20/07	6/20/07	6/20/07	6/20/07
Date Analyzed	Limits	6/21/07	6/21/07	6/23/07	6/21/07	6/21/07
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Bromoform	0.02	nd	nd	nd	nd	nd
Isopropylbenzene	0.08	nd	nd	nd	nd	nd
1,2,3-Trichloropropane	0.02	nd	nd	nd	nd	nd
Bromobenzene	0.03	nd	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	0.02	nd	nd	nd	nd	nd
n-Propylbenzene	0.02	nd	nd	nd	nd	nd
2-Chlorotoluene	0.02	nd	nd	nd	nd	nd
4-Chlorotoluene	0.02	nd	nd	nd	nd	nd
1,3,5-Trimethylbenzene	0.02	nd	nd	0.12	nd	nd
tert-Butylbenzene	0.02	nd	nd	nd	nd	nd
1,2,4-Trimethylbenzene	0.02	nd	nd	nd	nd	nd
sec-Butylbenzene	0.02	nd	nd	nd	nd	nd
1,3-Dichlorobenzene	0.02	nd	nd	nd	nd	nd
Isopropyltoluene	0.02	nd	nd	0.06	nd	nd
1,4-Dichlorobenzene	0.02	nd	nd	nd	nd	nd
1,2-Dichlorobenzene	0.02	nd	nd	nd	nd	nd
n-Butylbenzene	0.02	nd	nd	0.10	nd	nd
1,2-Dibromo-3-Chloropropane	0.03	nd	nd	nd	nd	nd
1,2,4-Trichlorobenzene	0.05	nd	nd	nd	nd	nd
Hexachloro-1,3-butadiene	0.10	nd	nd	nd	nd	nd
Naphthalene	0.03	nd	nd	nd	nd	nd
1,2,3-Trichlorobenzene	1.0	nd	nd	nd	nd	nd
Surrogate Recovery						
Dibromofluoromethane		113	111	119	126	115
1,2-Dichloroethane-d4		93.3	100	101	126	98.5
Toluene-d8		111	106	124	114	111
4-Bromofluorobenzene		98.3	97.8	111	107	106

"nd" Indicates not detected at listed detection limit.

"int" Indicates that interference prevents determination.

* INSTRUMENT DETECTION LIMIT

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

OSTROMS PROJECT

Lacey, Washington

Insight Geologic, Inc.

Libby Env. Project No. L070614-10

QA/QC Data - EPA 8260B Analyses

Sample Identification: L070613-1							
	Matrix Spike			Matrix Spike Duplicate			RPD
	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)	
1,1-Dichloroethene	2.00	1.70	85	2.00	1.41	71	18.6
Benzene	2.00	1.97	99	2.00	1.58	79	22.0
Toluene	2.00	2.04	102	2.00	1.68	84	19.4
Chlorobenzene	2.00	2.39	120	2.00	2.11	106	12.4
Trichloroethene (TCE)	2.00	2.25	113	2.00	1.89	95	17.4

Surrogate Recovery

Dibromofluoromethane

1,2-Dichloroethane-d4

Toluene-d8

4-Bromofluorobenzene

Laboratory Control Sample			
	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)
1,1-Dichloroethene	2.00	2.39	120
Benzene	2.00	2.36	118
Toluene	2.00	2.10	105
Chlorobenzene	2.00	2.52	126
Trichloroethene (TCE)	2.00	2.63	132

Surrogate Recovery

Dibromofluoromethane

1,2-Dichloroethane-d4

Toluene-d8

4-Bromofluorobenzene

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

OSTROMS PROJECT

Lacey, Washington

Insight Geologic, Inc.

Libby Env.Project No.L070614-10

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260B IN SOIL

Sample Description		B8-20	B12-11'	B12-16'	B12-16' Dup	Method Blank	TP1A 4'
Date Extracted	Reporting	6/20/07	6/14/07	6/14/07	6/14/07	N/A	6/15/07
Date Analyzed	Limits	6/23/07	6/14/07	6/14/07	6/14/07	6/15/07	6/15/07
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Dichlorodifluoromethane	0.06	nd	nd	nd	nd	nd	nd
Chloromethane	0.06	nd	nd	nd	nd	nd	nd
Vinyl chloride *	0.02	nd	nd	nd	nd	nd	nd
Bromomethane	0.09	nd	nd	nd	nd	nd	nd
Chloroethane	0.06	nd	nd	nd	nd	nd	nd
Trichlorofluoromethane	0.05	nd	nd	nd	nd	nd	nd
1,1-Dichloroethene	0.05	nd	nd	nd	nd	nd	nd
Methylene chloride	0.03	nd	nd	nd	nd	nd	nd
<i>trans</i> -1,2-Dichloroethene	0.02	nd	nd	nd	nd	nd	nd
1,1-Dichloroethane	0.02	nd	nd	nd	nd	nd	nd
2,2-Dichloropropane	0.05	nd	nd	nd	nd	nd	nd
<i>cis</i> -1,2-Dichloroethene	0.02	nd	nd	nd	nd	nd	nd
Chloroform	0.02	nd	nd	nd	nd	nd	nd
1,1,1-Trichloroethane (TCA)	0.02	nd	nd	nd	nd	nd	nd
Carbon tetrachloride	0.02	nd	nd	nd	nd	nd	nd
1,1-Dichloropropene	0.02	nd	nd	nd	nd	nd	nd
Benzene	0.02	nd	nd	nd	nd	nd	nd
1,2-Dichloroethane (EDC)	0.03	nd	nd	nd	nd	nd	nd
Trichloroethene (TCE)	0.03	nd	nd	nd	nd	nd	nd
1,2-Dichloropropane	0.02	nd	nd	nd	nd	nd	nd
Dibromomethane	0.04	nd	nd	nd	nd	nd	nd
Bromodichloromethane	0.02	nd	nd	nd	nd	nd	nd
<i>cis</i> -1,3-Dichloropropene	0.02	nd	nd	nd	nd	nd	nd
Toluene	0.02	nd	nd	nd	nd	nd	nd
<i>Trans</i> -1,3-Dichloropropene	0.03	nd	nd	nd	nd	nd	nd
1,1,2-Trichloroethane	0.03	nd	nd	nd	nd	nd	nd
Tetrachloroethene (PCE)	0.02	nd	nd	nd	nd	nd	nd
1,3-Dichloropropane	0.05	nd	nd	nd	nd	nd	nd
Dibromochloromethane	0.03	nd	nd	nd	nd	nd	nd
1,2-Dibromoethane (EDB) *	0.005	nd	nd	nd	nd	nd	nd
Chlorobenzene	0.02	nd	nd	nd	nd	nd	nd
1,1,1,2-Tetrachloroethane	0.03	nd	nd	nd	nd	nd	nd
Ethylbenzene	0.03	nd	nd	nd	nd	nd	nd
Total Xylenes	0.03	nd	nd	nd	nd	nd	nd
Styrenes	0.02	nd	nd	nd	nd	nd	nd

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

OSTROMS PROJECT

Lacey, Washington

Insight Geologic, Inc.

Libby Env. Project No. L070614-10

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260B IN SOIL

Sample Description		B11-15'	B12-11'	B12-16'	B12-16' Dup	Method Blank	TP1A 4'
Date Extracted	Reporting	6/14/07	6/14/07	6/14/07	6/14/07	N/A	6/15/07
Date Analyzed	Limits	6/14/07	6/14/07	6/14/07	6/14/07	6/15/07	6/15/07
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Bromoform	0.02	nd	nd	nd	nd	nd	nd
Isopropylbenzene	0.08	nd	nd	nd	nd	nd	nd
1,2,3-Trichloropropane	0.02	nd	nd	nd	nd	nd	nd
Bromobenzene	0.03	nd	nd	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	0.02	nd	nd	nd	nd	nd	nd
n-Propylbenzene	0.02	nd	nd	nd	nd	nd	nd
2-Chlorotoluene	0.02	nd	nd	nd	nd	nd	nd
4-Chlorotoluene	0.02	nd	nd	nd	nd	nd	nd
1,3,5-Trimethylbenzene	0.02	nd	nd	nd	nd	nd	nd
tert-Butylbenzene	0.02	nd	nd	nd	nd	nd	nd
1,2,4-Trimethylbenzene	0.02	nd	nd	nd	nd	nd	nd
sec-Butylbenzene	0.02	nd	nd	nd	nd	nd	nd
1,3-Dichlorobenzene	0.02	nd	nd	nd	nd	nd	nd
Isopropyltoluene	0.02	nd	nd	nd	nd	nd	nd
1,4-Dichlorobenzene	0.02	nd	nd	nd	nd	nd	nd
1,2-Dichlorobenzene	0.02	nd	nd	nd	nd	nd	nd
n-Butylbenzene	0.02	nd	nd	nd	nd	nd	nd
1,2-Dibromo-3-Chloropropane	0.03	nd	nd	nd	nd	nd	nd
1,2,4-Trichlorobenzene	0.05	nd	nd	nd	nd	nd	nd
Hexachloro-1,3-butadiene	0.10	nd	nd	nd	nd	nd	nd
Naphthalene	0.03	nd	nd	nd	nd	nd	nd
1,2,3-Trichlorobenzene	1.0	nd	nd	nd	nd	nd	nd
Surrogate Recovery							
Dibromofluoromethane		105	125				
1,2-Dichloroethane-d4		80.2	114				
Toluene-d8		110	116				
4-Bromofluorobenzene		102	110				

"nd" Indicates not detected at listed detection limit.

"int" Indicates that interference prevents determination.

* INSTRUMENT DETECTION LIMIT

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

OSTROMS PROJECT

Lacey, Washington

Insight Geologic, Inc.

Libby Env. Project No. L070614-10

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260B IN WATER

Sample Description		Method Blank	B11-W	B11-12
Date Sampled	Reporting	N/A	6/14/07	6/14/07
Date Analyzed	Limits	6/15/07	6/15/07	6/15/07
	(ug/l)	(ug/l)	(ug/l)	(ug/l)
Dichlorodifluoromethane	2.0	nd	nd	nd
Chloromethane	2.0	nd	nd	nd
Vinyl chloride *	0.2	nd	nd	nd
Bromomethane	2.0	nd	nd	nd
Chloroethane	2.0	nd	nd	nd
Trichlorofluoromethane	2.0	nd	nd	nd
1,1-Dichloroethene	2.0	nd	nd	nd
Methylene chloride	1.0	nd	nd	nd
<i>trans</i> -1,2-Dichloroethene	1.0	nd	nd	nd
1,1-Dichloroethane	1.0	nd	nd	nd
2,2-Dichloropropane	2.0	nd	nd	nd
<i>cis</i> -1,2-Dichloroethene	1.0	nd	nd	nd
Chloroform	1.0	nd	nd	nd
1,1,1-Trichloroethane (TCA)	1.0	nd	nd	nd
Carbon tetrachloride	1.0	nd	nd	nd
1,1-Dichloropropene	1.0	nd	nd	nd
Benzene	1.0	nd	nd	nd
1,2-Dichloroethane (EDC)	1.0	nd	nd	nd
Trichloroethene (TCE)	1.0	nd	nd	nd
1,2-Dichloropropane	1.0	nd	nd	nd
Dibromomethane	1.0	nd	nd	nd
Bromodichloromethane	1.0	nd	nd	nd
<i>cis</i> -1,3-Dichloropropene	1.0	nd	nd	nd
Toluene	1.0	nd	nd	nd
<i>Trans</i> -1,3-Dichloropropene	1.0	nd	nd	nd
1,1,2-Trichloroethane	1.0	nd	nd	nd
Tetrachloroethene (PCE)	1.0	nd	nd	nd
1,3-Dichloropropane	1.0	nd	nd	nd
Dibromochloromethane	1.0	nd	nd	nd
1,2-Dibromoethane (EDB) *	0.01	nd	nd	nd
Chlorobenzene	1.0	nd	nd	nd
1,1,1,2-Tetrachloroethane	1.0	nd	nd	nd
Ethylbenzene	1.0	nd	nd	nd
Total Xylenes	1.0	nd	nd	nd
Styrenes	1.0	nd	nd	nd

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

OSTROMS PROJECT

Lacey, Washington

Insight Geologic, Inc.

Libby Env.Project No.L070614-10

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260B IN WATER

Sample Description		Method Blank	B11-W	B11-12
Date Extracted	Reporting	N/A	6/14/07	6/14/07
Date Analyzed	Limits	6/15/07	6/15/07	6/15/07
	(ug/l)	(ug/l)	(ug/l)	(ug/l)
Bromoform	1.0	nd	nd	nd
Isopropylbenzene	4.0	nd	nd	nd
1,2,3-Trichloropropane	1.0	nd	nd	nd
Bromobenzene	1.0	nd	nd	nd
1,1,2,2-Tetrachloroethane	1.0	nd	nd	nd
n-Propylbenzene	1.0	nd	nd	nd
2-Chlorotoluene	1.0	nd	nd	nd
4-Chlorotoluene	1.0	nd	nd	nd
1,3,5-Trimethylbenzene	1.0	nd	nd	nd
tert-Butylbenzene	1.0	nd	nd	nd
1,2,4-Trimethylbenzene	1.0	nd	nd	nd
sec-Butylbenzene	1.0	nd	nd	nd
1,3-Dichlorobenzene	1.0	nd	nd	nd
Isopropyltoluene	1.0	nd	nd	nd
1,4-Dichlorobenzene	1.0	nd	nd	nd
1,2-Dichlorobenzene	1.0	nd	nd	nd
n-Butylbenzene	1.0	nd	nd	nd
1,2-Dibromo-3-Chloropropane	1.0	nd	nd	nd
1,2,4-Trichlorobenzene	2.0	nd	nd	nd
Hexachloro-1,3-butadiene	5.0	nd	nd	nd
Naphthalene	5.0	nd	nd	nd
1,2,3-Trichlorobenzene	5.0	nd	nd	nd
Surrogate Recovery				
Dibromofluoromethane		111	115	115
1,2-Dichloroethane-d4		106	108	106
Toluene-d8		108	106	108
4-Bromofluorobenzene		106	104	105

"nd" Indicates not detected at listed detection limit.

"int" Indicates that interference prevents determination.

* INSTRUMENT DETECTION LIMIT

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

OSTROMS PROJECT
Lacey, Washington
Insight Geologic, Inc.
Libby Env. Project No. L070614-10

QA/QC Data - EPA 8260B Analyses

Sample Identification: B11-12							
	Matrix Spike			Matrix Spike Duplicate			RPD
	Spiked Conc. (ug/l)	Measured Conc. (ug/l)	Spike Recovery (%)	Spiked Conc. (ug/l)	Measured Conc. (ug/l)	Spike Recovery (%)	
1,1-Dichloroethene	40	37.1	93	40	38.7	97	4.2
Benzene	40	33.3	83	40	35.4	89	6.1
Toluene	40	35.3	88	40	36.5	91	3.3
Chlorobenzene	40	45.6	114	40	47.9	120	4.9
Trichloroethene (TCE)	40	39.9	100	40	41.4	104	3.7
Surrogate Recovery							
Dibromofluoromethane			118			114	
1,2-Dichloroethane-d4			113			99	
Toluene-d8			109			107	
4-Bromofluorobenzene			104			103	
Laboratory Control Sample							
	Spiked Conc. (ug/l)	Measured Conc. (ug/l)	Spike Recovery (%)				
1,1-Dichloroethene	40	39.0	98				
Benzene	40	34.0	85				
Toluene	40	35.4	89				
Chlorobenzene	40	45.8	115				
Trichloroethene (TCE)	40	40.2	101				
Surrogate Recovery							
Dibromofluoromethane			117				
1,2-Dichloroethane-d4			106				
Toluene-d8			108				
4-Bromofluorobenzene			104				

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 65%-135%

ACCEPTABLE RPD IS 35%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

OSTROMS PROJECT
Lacey, Washington
Insight Geologic, Inc.
Libby Env.Project No.L070614-10

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260B IN WATER

Sample Description		Method Blank	B4W-20	B4W-20 Dup
Date Sampled	Reporting	N/A	6/20/07	6/20/07
Date Analyzed	Limits	6/21/07	6/21/07	6/21/07
	(ug/l)	(ug/l)	(ug/l)	(ug/l)
Dichlorodifluoromethane	2.0	nd	nd	nd
Chloromethane	2.0	nd	nd	nd
Vinyl chloride *	0.2	nd	nd	nd
Bromomethane	2.0	nd	nd	nd
Chloroethane	2.0	nd	nd	nd
Trichlorofluoromethane	2.0	nd	nd	nd
1,1-Dichloroethene	2.0	nd	nd	nd
Methylene chloride	1.0	nd	nd	nd
<i>trans</i> -1,2-Dichloroethene	1.0	nd	nd	nd
1,1-Dichloroethane	1.0	nd	nd	nd
2,2-Dichloropropane	2.0	nd	nd	nd
<i>cis</i> -1,2-Dichloroethene	1.0	nd	nd	nd
Chloroform	1.0	nd	nd	nd
1,1,1-Trichloroethane (TCA)	1.0	nd	nd	nd
Carbon tetrachloride	1.0	nd	nd	nd
1,1-Dichloropropene	1.0	nd	nd	nd
Benzene	1.0	nd	nd	nd
1,2-Dichloroethane (EDC)	1.0	nd	nd	nd
Trichloroethene (TCE)	1.0	nd	nd	nd
1,2-Dichloropropane	1.0	nd	nd	nd
Dibromomethane	1.0	nd	nd	nd
Bromodichloromethane	1.0	nd	nd	nd
<i>cis</i> -1,3-Dichloropropene	1.0	nd	nd	nd
Toluene	1.0	nd	nd	nd
<i>Trans</i> -1,3-Dichloropropene	1.0	nd	nd	nd
1,1,2-Trichloroethane	1.0	nd	nd	nd
Tetrachloroethene (PCE)	1.0	nd	nd	nd
1,3-Dichloropropane	1.0	nd	nd	nd
Dibromochloromethane	1.0	nd	nd	nd
1,2-Dibromoethane (EDB) *	0.01	nd	nd	nd
Chlorobenzene	1.0	nd	nd	nd
1,1,1,2-Tetrachloroethane	1.0	nd	nd	nd
Ethylbenzene	1.0	nd	nd	nd
Total Xylenes	1.0	nd	nd	nd
Styrenes	1.0	nd	nd	nd

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

OSTROMS PROJECT
Lacey, Washington
Insight Geologic, Inc.
Libby Env.Project No.L070614-10

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260B IN WATER

Sample Description		Method Blank	B4W-20	B4W-20 Dup
Date Extracted	Reporting	N/A	6/20/07	6/20/07
Date Analyzed	Limits	6/21/07	6/21/07	6/21/07
	(ug/l)	(ug/l)	(ug/l)	(ug/l)
Bromoform	1.0	nd	nd	nd
Isopropylbenzene	4.0	nd	nd	nd
1,2,3-Trichloropropane	1.0	nd	nd	nd
Bromobenzene	1.0	nd	nd	nd
1,1,2,2-Tetrachloroethane	1.0	nd	nd	nd
n-Propylbenzene	1.0	nd	nd	nd
2-Chlorotoluene	1.0	nd	nd	nd
4-Chlorotoluene	1.0	nd	nd	nd
1,3,5-Trimethylbenzene	1.0	nd	nd	nd
tert-Butylbenzene	1.0	nd	nd	nd
1,2,4-Trimethylbenzene	1.0	nd	nd	nd
sec-Butylbenzene	1.0	nd	nd	nd
1,3-Dichlorobenzene	1.0	nd	nd	nd
Isopropyltoluene	1.0	nd	nd	nd
1,4-Dichlorobenzene	1.0	nd	nd	nd
1,2-Dichlorobenzene	1.0	nd	nd	nd
n-Butylbenzene	1.0	nd	nd	nd
1,2-Dibromo-3-Chloropropane	1.0	nd	nd	nd
1,2,4-Trichlorobenzene	2.0	nd	nd	nd
Hexachloro-1,3-butadiene	5.0	nd	nd	nd
Naphthalene	5.0	nd	nd	nd
1,2,3-Trichlorobenzene	5.0	nd	nd	nd
Surrogate Recovery				
Dibromofluoromethane		117	121	121
1,2-Dichloroethane-d4		106	105	121
Toluene-d8		107	107	110
4-Bromofluorobenzene		98.3	106	118

"nd" Indicates not detected at listed detection limit.

"int" Indicates that interference prevents determination.

* INSTRUMENT DETECTION LIMIT

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

OSTROMS PROJECT
Lacey, Washington
Insight Geologic, Inc.
Libby Env.Project No.L070614-10

QA/QC Data - EPA 8260B Analyses

Sample Identification:						
	Matrix Spike			Matrix Spike Duplicate		
	Spiked Conc. (ug/l)	Measured Conc. (ug/l)	Spike Recovery (%)	Spiked Conc. (ug/l)	Measured Conc. (ug/l)	Spike Recovery (%)
1,1-Dichloroethene	40	37.1	93	40	38.7	97
Benzene	40	33.3	83	40	35.4	89
Toluene	40	35.3	88	40	36.5	91
Chlorobenzene	40	45.6	114	40	47.9	120
Trichloroethene (TCE)	40	39.9	100	40	41.4	104

4.2
6.1
3.3
4.9
3.7

Surrogate Recovery

Dibromofluoromethane
1,2-Dichloroethane-d4
Toluene-d8
4-Bromofluorobenzene

Laboratory Control Sample			
	Spiked Conc. (ug/l)	Measured Conc. (ug/l)	Spike Recovery (%)
1,1-Dichloroethene	40	43.9	110
Benzene	40	45.6	114
Toluene	40	41.2	103
Chlorobenzene	40	51.3	128
Trichloroethene (TCE)	40	49.4	124

Surrogate Recovery

Dibromofluoromethane 120
1,2-Dichloroethane-d4 109
Toluene-d8 108
4-Bromofluorobenzene 102

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 65%-135%

ACCEPTABLE RPD IS 35%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

OSTROMS PROJECT

Lacey, Washington

Insight Geologic, Inc.

Libby Env. Project No. L070614-10

Analyses of Diesel & Oil (NWTPH-Dx/Dx Extended) in Soil

Sample Number	Date Analyzed	Surrogate Recovery (%)	Diesel (mg/kg)	Mineral Oil (mg/kg)	Oil (mg/kg)
Method Blank	6/14/2007	116	nd	nd	nd
B1-14'	6/14/2007	110	nd	nd	nd
B1-20'	6/14/2007	101	nd	nd	nd
B2-14'	6/14/2007	99	nd	nd	nd
B2-20'	6/14/2007	91	nd	nd	nd
B11-8'	6/14/2007	108	nd	nd	4100
B11-15'	6/14/2007	121	nd	nd	nd
B12-11'	6/14/2007	117	nd	nd	nd
B12-11' Dup	6/14/2007	86	nd	nd	nd
B12-16'	6/14/2007	108	nd	nd	nd
Practical Quantitation Limit			25	40	40

"nd" Indicates not detected at the listed detection limits.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (2-F Biphenyl): 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

OSTROMS PROJECT

Lacey, Washington

Insight Geologic, Inc.

Libby Env.Project No.L070614-10

Analyses of Diesel & Oil (NWTPH-Dx/Dx Extended) in Soil

Sample Number	Date Analyzed	Surrogate Recovery (%)	Diesel (mg/kg)	Mineral Oil (mg/kg)	Oil (mg/kg)
Method Blank	6/15/2007	101	nd	nd	nd
TP1A-4'	6/15/2007	81	nd	nd	nd
TP1B-3.5'	6/15/2007	87	nd	nd	nd
TP2A-3.5'	6/15/2007	95	nd	nd	nd
TP2B-4'	6/15/2007	92	nd	nd	nd
TP3A-2.5"	6/15/2007	77	nd	nd	nd
TP3B-3'	6/15/2007	75	nd	nd	nd
TP3C-2.5'	6/15/2007	83	nd	nd	nd
TP3D-2	6/15/2007	80	nd	nd	nd
HA1-1	6/15/2007	119	nd	nd	nd
TP4A-1	6/15/2007	76	nd	nd	nd
TP4B-1	6/15/2007	97	nd	nd	nd
HA2	6/15/2007	96	nd	nd	nd
HA2 Dup	6/15/2007	110	nd	nd	nd
Practical Quantitation Limit			25	40	40

"nd" Indicates not detected at the listed detection limits.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (2-F Biphenyl): 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

OSTROMS PROJECT

Lacey, Washington

Insight Geologic, Inc.

Libby Env.Project No.L070614-10

Analyses of Diesel & Oil (NWTPH-Dx/Dx Extended) in Soil

Sample Number	Date Analyzed	Surrogate Recovery (%)	Diesel (mg/kg)	Mineral Oil (mg/kg)	Oil (mg/kg)
Method Blank	6/20/2007	108	nd	nd	nd
B3-16	6/20/2007	86	nd	nd	nd
B4-20	6/20/2007	72	nd	nd	nd
B6-4	6/20/2007	int	7900	nd	nd
B5-12	6/20/2007	76	64	nd	nd
B7-12	6/20/2007	94	nd	nd	nd
B8-20	6/20/2007	103	nd	nd	nd
B8-20 Dup	6/20/2007	96	nd	nd	nd
Practical Quantitation Limit			25	40	40

"nd" Indicates not detected at the listed detection limits.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (2-F Biphenyl): 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

OSTROMS PROJECT

Lacey, Washington

Insight Geologic, Inc.

Libby Env.Project No.L070614-10

Hydrocarbon Identification by NWTPH-HCID for Soil

Sample Number	Date Analyzed	Surrogate Recovery (%)	Gasoline (mg/kg)	Diesel (mg/kg)	Mineral Oil (mg/kg)	Heavy Oil (mg/kg)
Method Blank	6/14/2007	116	nd	nd	nd	nd
B13-14	6/14/2007	87	nd	nd	nd	nd
B13-19	6/14/2007	116	nd	nd	nd	nd
Practical Quantitation Limit			20	50	100	100

"nd" Indicates not detected at listed detection limits.

"D" Indicates detected above the listed detection limit.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (2-F Biphenyl): 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

OSTROMS PROJECT

Lacey, Washington

Insight Geologic, Inc.

Libby Env.Project No.L070614-10

Analyses of Diesel & Oil (NWTPH-Dx/Dx Extended) in Water

Sample Number	Date Analyzed	Surrogate Recovery (%)	Diesel (ug/l)	Mineral Oil (ug/l)	Oil (ug/l)
Method Blank	6/14/07	87	nd	nd	nd
B11-W	6/14/07	130	nd	nd	nd
B12-W	6/14/07	124	nd	nd	nd
Practical Quantitation Limit			200	400	400

"nd" Indicates not detected at the listed detection limits.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (2-F Biphenyl): 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

OSTROMS PROJECT

Lacey, Washington

Insight Geologic, Inc.

Libby Env.Project No.L070614-10

Analyses of Diesel & Oil (NWTPH-Dx/Dx Extended) in Water

Sample Number	Date Analyzed	Surrogate Recovery (%)	Diesel (ug/l)	Mineral Oil (ug/l)	Oil (ug/l)
Method Blank	6/21/07	91	nd	nd	nd
B4W-20	6/21/07	108	nd	nd	nd
Practical Quantitation Limit			200	400	400

"nd" Indicates not detected at the listed detection limits.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (2-F Biphenyl): 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

OSTROMS PROJECT

Lacey, Washington

Insight Geologic, Inc.

Libby Env.Project No.L070614-10

Analyses of Gasoline (NWTPH-Gx) in Water

Sample Number	Date Analyzed	Surrogate Recovery (%)	Gasoline (ug/l)
Method Blank	6/14/07	87	nd
B11-W	6/14/07	86	nd
B11-W Dup	6/14/07	92	nd
B12-W	6/14/07	82	nd
Practical Quantitation Limit			100

"nd" Indicates not detected at the listed detection limits.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Trifluorotoluene): 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

OSTROMS PROJECT

Lacey, Washington

Insight Geologic, Inc.

Libby Env.Project No.L070614-10

Analyses of Gasoline (NWTPH-Gx) in Soil

Sample Number	Date Analyzed	Surrogate Recovery (%)	Gasoline (mg/kg)
Method Blank	6/14/07	87	nd
B1-14'	6/14/07	95	nd
B1-20'	6/14/07	99	nd
B2-14'	6/14/07	88	nd
B2-20'	6/14/07	88	nd
B11-8'	6/14/07	113	nd
B11-15'	6/14/07	79	nd
B12-11'	6/14/07	92	nd
B12-11' Dup	6/14/07	92	nd
B12-16'	6/14/07	92	nd
Practical Quantitation Limit			10

"nd" Indicates not detected at the listed detection limits.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Trifluorotoluene): 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

OSTROMS PROJECT

Lacey, Washington

Insight Geologic, Inc.

Libby Env.Project No.L070614-10

Analyses of Gasoline (NWTPH-Gx) in Soil

Sample Number	Date Analyzed	Surrogate Recovery (%)	Gasoline (mg/kg)
Method Blank	6/15/07	79	nd
TP1A-4'	6/15/07	80	nd
TP1B-3.5'	6/15/07	76	nd
TP2A-3.5'	6/15/07	80	nd
TP2B-4'	6/15/07	68	nd
TP2B-4' Dup	6/15/07	78	nd
TP3A-2.5"	6/15/07	66	nd
TP3B-3'	6/15/07	78	nd
TP3C-2.5'	6/15/07	82	nd
TP3D-2	6/15/07	68	nd
HA1-1	6/15/07	70	nd
T4A-1	6/15/07	75	nd
T4B-1	6/15/07	68	nd
HA2	6/15/07	68	nd

Practical Quantitation Limit

10

"nd" Indicates not detected at the listed detection limits.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Trifluorotoluene): 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

OSTROMS PROJECT

Lacey, Washington

Insight Geologic, Inc.

Libby Env.Project No.L070614-10

Analyses of Gasoline (NWTPH-Gx) in Soil

Sample Number	Date Analyzed	Surrogate Recovery (%)	Gasoline (mg/kg)
Method Blank	6/20/07	104	nd
B6-4	6/20/07	81	nd
B5-12	6/20/07	113	nd
B7-12	6/20/07	112	nd
Practical Quantitation Limit			10

"nd" Indicates not detected at the listed detection limits.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Trifluorotoluene): 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

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OSTROMS PROJECT

Lacey, Washington

Insight Geologic, Inc.

Libby Env.Project No.L070614-10

Analyses of Total Lead in Water by EPA Method 7421

Sample Number	Date Analyzed	Lead (ug/l)
Method Blank	6/18/07	nd
B11-W	6/18/07	nd
B11-W Dup	6/18/07	nd
B12-W	6/18/07	nd
Practical Quantitation Limit		2.5

"nd" Indicates not detected at the listed detection limits.

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

OSTROMS PROJECT

Lacey, Washington

Insight Geologic, Inc.

Libby Env.Project No.L070614-10

QA/QC for Lead in Water by EPA Method 7421

Sample Number	Date Analyzed	Lead (ug/l)
LCS	6/18/07	108
MS	6/18/07	78%
MSD	6/18/07	77%
RPD	6/18/07	1.3
Practical Quantitation Limit		2.5

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 65%-135%

ACCEPTABLE RPD IS 35%

ANALYSES PERFORMED BY: Sherry Chilcutt

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OSTROMS PROJECT

Lacey, Washington

Insight Geologic, Inc.

Libby Env. Project No. L070614-10

Analyses of Lead in Soil by EPA Method 7421

Sample Number	Date Analyzed	Lead (mg/kg)
Method Blank	6/18/07	nd
B1-14'	6/18/07	nd
B1-20'	6/18/07	nd
B2-14'	6/18/07	nd
B2-20'	6/18/07	nd
B11-8'	6/18/07	nd
B11-15'	6/18/07	nd
B12-11'	6/18/07	nd
B12-11' Dup	6/18/07	nd
B12-16'	6/18/07	nd
TP1A-4'	6/18/07	nd
TP1B-3.5'	6/18/07	nd
TP2A-3.5'	6/18/07	nd
TP2B-4'	6/18/07	nd
TP2B-4' Dup	6/18/07	nd
TP3A-2.5"	6/18/07	nd
TP3B-3'	6/18/07	5.6
TP3C-2.5'	6/18/07	nd
TP3D-2	6/18/07	6.0
HA1-1	6/18/07	nd
T4A-1	6/18/07	nd
T4B-1	6/18/07	nd
HA2	6/18/07	nd
Practical Quantitation Limit		5.0

"nd" Indicates not detected at the listed detection limits.

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

OSTROMS PROJECT
Lacey, Washington
Insight Geologic, Inc.
Libby Env.Project No.L070614-10

QA/QC for Lead in Soil by EPA Method 7421

Sample Number	Date Analyzed	Lead (mg/kg)
LCS	6/18/07	108
TP3C-2.5' MS	6/18/07	93%
TP3C-2.5' MSD	6/18/07	105%
RPD	6/18/07	12
Practical Quantitation Limit		5.0

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 65%-135%
ACCEPTABLE RPD IS 35%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

OSTROMS PROJECT
Lacey, Washington
Insight Geologic, Inc.
Libby Env.Project No.L070614-10

Analyses of Lead in Soil by EPA Method 7421

Sample Number	Date Analyzed	Lead (mg/kg)
Method Blank	7/1/07	nd
B6-4'	7/1/07	nd
B5-12'	7/1/07	nd
B7-12'	7/1/07	23
Practical Quantitation Limit		5.0

"nd" Indicates not detected at the listed detection limits.

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

OSTROMS PROJECT
Lacey, Washington
Insight Geologic, Inc.
Libby Env.Project No.L070614-10

QA/QC for Lead in Soil by EPA Method 7421

Sample Number	Date Analyzed	Lead (mg/kg)
LCS	7/1/07	100%
MS	7/1/07	104%
MSD	7/1/07	113%
RPD	7/1/07	8.3
Practical Quantitation Limit		5.0

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 65%-135%
ACCEPTABLE RPD IS 35%

ANALYSES PERFORMED BY: Sherry Chilcutt



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07/10/2007

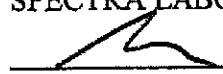
Libby Environmental, LLC
4139 Libby Rd NE
Olympia, WA 98506
Attn: Sherry Chilcutt

Project: Ostrom's
Client ID: B11-8'
Sample Matrix: Soil
Date Sampled: 06/14/2007
Date Received: 06/19/2007
Spectra Project: 2007060301
Spectra Number: 1

Analyte	Result	Units	Method
4,4-DDD	1.68	mg/Kg	SW846 8081
4,4-DDE	0.419	mg/Kg	SW846 8081
4,4-DDT	0.040	mg/Kg	SW846 8081
Aldrin	<0.002	mg/Kg	SW846 8081
Dieldrin	<0.002	mg/Kg	SW846 8081
Endosulfan I	<0.002	mg/Kg	SW846 8081
Endosulfan II	<0.002	mg/Kg	SW846 8081
Endosulfan Sulfate	<0.002	mg/Kg	SW846 8081
Endrin	<0.002	mg/Kg	SW846 8081
Endrin Aldehyde	<0.002	mg/Kg	SW846 8081
Endrin Ketone	<0.002	mg/Kg	SW846 8081
Heptachlor	<0.002	mg/Kg	SW846 8081
Heptachlor Epoxide	<0.002	mg/Kg	SW846 8081
Methoxychlor	<0.002	mg/Kg	SW846 8081
alpha-BHC	<0.002	mg/Kg	SW846 8081
alpha-Chlordane	<0.002	mg/Kg	SW846 8081
beta-BHC	<0.002	mg/Kg	SW846 8081
delta-BHC	<0.002	mg/Kg	SW846 8081
gamma-BHC (Lindane)	<0.002	mg/Kg	SW846 8081
gamma-Chlordane	<0.002	mg/Kg	SW846 8081

Surrogate	% Recovery	Method
Decachlorobiphenyl	94	SW846 8081

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Page 1 of 6



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Libby Environmental, LLC
4139 Libby Rd NE
Olympia, WA 98506
Attn: Sherry Chilcutt

Project: Ostrom's
Client ID: B11-15'
Sample Matrix: Soil
Date Sampled: 06/14/2007
Date Received: 06/19/2007
Spectra Project: 2007060301
Spectra Number: 2

Analyte	Result	Units	Method
4,4-DDD	0.007	mg/Kg	SW846 8081
4,4-DDE	0.009	mg/Kg	SW846 8081
4,4-DDT	0.007	mg/Kg	SW846 8081
Aldrin	<0.002	mg/Kg	SW846 8081
Dieldrin	<0.002	mg/Kg	SW846 8081
Endosulfan I	<0.002	mg/Kg	SW846 8081
Endosulfan II	<0.002	mg/Kg	SW846 8081
Endosulfan Sulfate	<0.002	mg/Kg	SW846 8081
Endrin	<0.002	mg/Kg	SW846 8081
Endrin Aldehyde	<0.002	mg/Kg	SW846 8081
Endrin Ketone	<0.002	mg/Kg	SW846 8081
Heptachlor	<0.002	mg/Kg	SW846 8081
Heptachlor Epoxide	<0.002	mg/Kg	SW846 8081
Methoxychlor	<0.002	mg/Kg	SW846 8081
alpha-BHC	<0.002	mg/Kg	SW846 8081
alpha-Chlordane	<0.002	mg/Kg	SW846 8081
beta-BHC	<0.002	mg/Kg	SW846 8081
delta-BHC	<0.002	mg/Kg	SW846 8081
gamma-BHC (Lindane)	<0.002	mg/Kg	SW846 8081
gamma-Chlordane	<0.002	mg/Kg	SW846 8081

Surrogate	% Recovery	Method
Decachlorobiphenyl	110	SW846 8081

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Page 2 of 6



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07/10/2007


Libby Environmental, LLC
4139 Libby Rd NE
Olympia, WA 98506
Attn: Sherry Chilcutt

Project: Ostrom's
Client ID: B11-W
Sample Matrix: Water
Date Sampled: 06/14/2007
Date Received: 06/19/2007
Spectra Project: 2007060301
Spectra Number: 3

Analyte	Result	Units	Method
4,4'-DDD	0.049	µg/L	SW846 8081
4,4'-DDE	0.045	µg/L	SW846 8081
4,4'-DDT	0.023	µg/L	SW846 8081
Aldrin	<0.01	µg/L	SW846 8081
Dieldrin	<0.01	µg/L	SW846 8081
Endosulfan I	<0.01	µg/L	SW846 8081
Endosulfan II	<0.01	µg/L	SW846 8081
Endosulfan Sulfate	<0.01	µg/L	SW846 8081
Endrin	<0.01	µg/L	SW846 8081
Endrin Aldehyde	<0.01	µg/L	SW846 8081
Endrin Ketone	<0.01	µg/L	SW846 8081
Heptachlor	<0.01	µg/L	SW846 8081
Heptachlor Epoxide	<0.01	µg/L	SW846 8081
Methoxychlor	<0.01	µg/L	SW846 8081
alpha-BHC	<0.01	µg/L	SW846 8081
alpha-Chlordane	<0.01	µg/L	SW846 8081
beta-BHC	<0.01	µg/L	SW846 8081
delta-BHC	<0.01	µg/L	SW846 8081
gamma-BHC (Lindane)	<0.01	µg/L	SW846 8081
gamma-Chlordane	<0.01	µg/L	SW846 8081

Surrogate	% Recovery	Method
Decachlorobiphenyl	119	SW846 8082

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07/10/2007


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4139 Libby Rd NE
Olympia, WA 98506
Attn: Sherry Chilcutt

Project: Ostrom's
Client ID: B12-11
Sample Matrix: Soil
Date Sampled: 06/14/2007
Date Received: 06/19/2007
Spectra Project: 2007060301
Spectra Number: 4

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>
4,4-DDD	0.005	mg/Kg	SW846 8081
4,4-DDE	0.005	mg/Kg	SW846 8081
4,4-DDT	0.009	mg/Kg	SW846 8081
Aldrin	<0.002	mg/Kg	SW846 8081
Dieldrin	<0.002	mg/Kg	SW846 8081
Endosulfan I	<0.002	mg/Kg	SW846 8081
Endosulfan II	<0.002	mg/Kg	SW846 8081
Endosulfan Sulfate	<0.002	mg/Kg	SW846 8081
Endrin	<0.002	mg/Kg	SW846 8081
Endrin Aldehyde	<0.002	mg/Kg	SW846 8081
Endrin Ketone	<0.002	mg/Kg	SW846 8081
Heptachlor	<0.002	mg/Kg	SW846 8081
Heptachlor Epoxide	<0.002	mg/Kg	SW846 8081
Methoxychlor	<0.002	mg/Kg	SW846 8081
alpha-BHC	<0.002	mg/Kg	SW846 8081
alpha-Chlordane	<0.002	mg/Kg	SW846 8081
beta-BHC	<0.002	mg/Kg	SW846 8081
delta-BHC	<0.002	mg/Kg	SW846 8081
gamma-BHC (Lindane)	<0.002	mg/Kg	SW846 8081
gamma-Chlordane	<0.002	mg/Kg	SW846 8081

<u>Surrogate</u>	<u>% Recovery</u>	<u>Method</u>
Decachlorobiphenyl	110	SW846 8081

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Libby Environmental, LLC
4139 Libby Rd NE
Olympia, WA 98506
Attn: Sherry Chilcutt

Project: Ostrom's
Client ID: B12-16
Sample Matrix: Soil
Date Sampled: 06/14/2007
Date Received: 06/19/2007
Spectra Project: 2007060301
Spectra Number: 5

Analyte	Result	Units	Method
4,4-DDD	0.004	mg/Kg	SW846 8081
4,4-DDE	0.005	mg/Kg	SW846 8081
4,4-DDT	0.007	mg/Kg	SW846 8081
Aldrin	<0.002	mg/Kg	SW846 8081
Dieldrin	<0.002	mg/Kg	SW846 8081
Endosulfan I	<0.002	mg/Kg	SW846 8081
Endosulfan II	<0.002	mg/Kg	SW846 8081
Endosulfan Sulfate	<0.002	mg/Kg	SW846 8081
Endrin	<0.002	mg/Kg	SW846 8081
Endrin Aldehyde	<0.002	mg/Kg	SW846 8081
Endrin Ketone	<0.002	mg/Kg	SW846 8081
Heptachlor	<0.002	mg/Kg	SW846 8081
Heptachlor Epoxide	<0.002	mg/Kg	SW846 8081
Methoxychlor	<0.002	mg/Kg	SW846 8081
alpha-BHC	<0.002	mg/Kg	SW846 8081
alpha-Chlordane	<0.002	mg/Kg	SW846 8081
beta-BHC	<0.002	mg/Kg	SW846 8081
delta-BHC	<0.002	mg/Kg	SW846 8081
gamma-BHC (Lindane)	<0.002	mg/Kg	SW846 8081
gamma-Chlordane	<0.002	mg/Kg	SW846 8081

Surrogate	% Recovery	Method
Decachlorobiphenyl	102	SW846 8081

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Steve Hibbs, Laboratory Manager
a5/jjb



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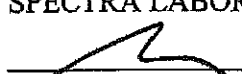
Libby Environmental, LLC
4139 Libby Rd NE
Olympia, WA 98506
Attn: Sherry Chilcutt

Project: Ostrom's
Client ID: B12-W
Sample Matrix: Water
Date Sampled: 06/14/2007
Date Received: 06/19/2007
Spectra Project: 2007060301
Spectra Number: 6

Analyte	Result	Units	Method
4,4'-DDD	0.036	µg/L	SW846 8081
4,4'-DDE	0.047	µg/L	SW846 8081
4,4'-DDT	0.062	µg/L	SW846 8081
Aldrin	<0.01	µg/L	SW846 8081
Dieldrin	<0.01	µg/L	SW846 8081
Endosulfan I	<0.01	µg/L	SW846 8081
Endosulfan II	<0.01	µg/L	SW846 8081
Endosulfan Sulfate	<0.01	µg/L	SW846 8081
Endrin	<0.01	µg/L	SW846 8081
Endrin Aldehyde	<0.01	µg/L	SW846 8081
Endrin Ketone	<0.01	µg/L	SW846 8081
Heptachlor	<0.01	µg/L	SW846 8081
Heptachlor Epoxide	<0.01	µg/L	SW846 8081
Methoxychlor	<0.01	µg/L	SW846 8081
alpha-BHC	<0.01	µg/L	SW846 8081
alpha-Chlordane	<0.01	µg/L	SW846 8081
beta-BHC	<0.01	µg/L	SW846 8081
delta-BHC	<0.01	µg/L	SW846 8081
gamma-BHC (Lindane)	<0.01	µg/L	SW846 8081
gamma-Chlordane	<0.01	µg/L	SW846 8081

Surrogate	% Recovery	Method
Decachlorobiphenyl	110	SW846 8081

SPECTRA LABORATORIES


Steve Hibbs, Laboratory Manager
a5/jjb

Page 6 of 6

Libby Environmental, Inc.

4139 Libby Road NE
Olympia, WA 98506
Ph: 360-352-2110
Fax: 360-352-4154

Chain of Custody Record

Date: 6/14/07 Page: 1 of 1

Project Manager: Bill Hallert

Project Name: Ostroms

Address:

Phone:

Fax:

Client Project #:

Location:

Collector: Kenny Chandler Date of Collection: 6/14/07

Sample Number	Depth	Time	Sample Type	Container Type	VOA 8021B VOA 8260 SEMI VOL 8270 NMTPH-HCD NMTPH-GX NMTPH-DX PAH 8270 PCBs 8082 MTCA 5 Metals Asbestos	Field Note/# Containers
1 B1-14	14'		Soil	100%T-1		
2 B1-20'	20'		"	"		
3 B2-14'	14'	10:15	"	"		
4 B2-20'	20'	10:30	"	"		
5 B11-8'	8'	11:15	"	"		
6 B11-15'	15'	11:30	"	"		
7 B11-14'	13'	11:35	H ₂ O	"		
8 B12-11'	11'	12:45	Soil	"		
9 B12-16'	16'	12:55	"	"		
10 B12-14'	13'	13:30	H ₂ O	"		
11 B13-14'	14'	14:00	Soil	"		
12 B13-17'	17'	14:20	Soil	"		
13 B14-15'	15'	15:15	"	"		
14 B14-20'	20'	15:30	"	"		
15 B15-12'	12'	15:50	Soil	"		
16 B15-20'	20'	16:00	Soil	"		
17						
18						

Relinquished by: David Hallert Date / Time: 6/14/07 13:30

Received by: John A. Ullrich Date / Time: 6-14-07

Relinquished by: _____ Date / Time: _____

Received by: _____ Date / Time: _____

Relinquished by: _____ Date / Time: _____

Received by: _____ Date / Time: _____

Remarks:

Good Condition? ☐

Cold? ☐

Seals Intact? ☐

Total Number of Containers

TAT 24HR 48HR 5-Day

Libby Environmental, Inc.

4139 Libby Road NIE
Olympia, WA 98506
Ph: 360-352-2110
Fax: 360-352-4154

Chain of Custody Record

Date: 6/15/07 Page: 1 of 1

Project Manager: Bill Halbert

Project Name: OSF/CI/MS

Location: _____

Collector: _____

Date of Collection: 6/15/07

Client Project # _____

Sample Number	Depth	Time	Sample Type	Container Type	VOA 8021B BTEX only	VOA 8021B BTEX only	SEM VOL 8270	NWTPH-GX	NWTPH-DX	PAH 8270	PCBS 8082	MTCA 5 Metals	Field Note/# Containers
1 B16-12	12	9:05	Soil	4oz. Jar									Hold
2 B16-20	20	9:30	Soil	4oz. Jar									Hold
3 B17-15	15	10:15	Soil	"									Hold
4 B17-17	17	10:45	Soil	"									Hold
5 TPA-1	4'	11:45	Soil	VOA+3									
6 TPA-3.5	3.5	12:00	Soil	"									
7 TPA-3.5	3.5	12:46	Soil	"									
8 TPA-4	4	12:20	Soil	"									
9 TPA-3	3	13:30	Soil	"									
10 TPA-2.5	2.5	14:00	Soil	"									
11 TPA-2.5		12:46	Soil	"									
12 TPA-2		14:25	Soil	"									
13 HA1-1		14:45	Soil	"									
14 T4A-1	1'	15:00	Soil	"									
15 T4B-1	1'	15:15	Soil	"									
16 HA2	1'	15:30	Soil	"									
17													
18													

Relinquished by: Ken Carabian Date / Time: 6/15/07 15:30 Received by: Bill Halbert Date / Time: 6/15/07 15:07

Relinquished by: _____ Date / Time: _____ Received by: _____ Date / Time: _____

Relinquished by: _____ Date / Time: _____ Received by: _____ Date / Time: _____

Remarks: _____

Sample Receipt: _____

Good Condition? _____ Cold? _____

Seals Intact? _____

Total Number of Containers: _____

TAT: 24HR 48HR 5-Day

Libby Environmental, Inc.

4139 Libby Road NE
Olympia, WA 98506
Ph: 360-352-2110
Fax: 360-352-4154

Client: Insight Geologic

Address: _____

Phone: _____ Fax: _____

Client Project # _____

Chain of Custody Record

Date: 6-20-07 Page: 1 of 1

Project Manager: _____

Project Name: Ostrom's Farm

Location: _____

Collector: Kevin Stenhouse Date of Collection: 6-20-07

Sample Number	Depth	Time	Sample Type	Container Type	VOA 80218 VOA 80218 BTEX ONLY	SEM VOL 8270	NWTPH-HClD	NWTPH-GX	NWTPH-DX	PAH 8270	PCBs 8082	MTCs 8082	Field Note# Containers
1 B3-12	12'	9:45	Soil	VOA Jar									
2 B3-16 *	16'	9:55	"	"	X				X				
3 B4-8	8'	9:55	"	"	X				X				
4 B4-20 *	20'	9:40	"	"	X				X				
5 B4-20 *	20'	10:45	Water	VOA Jar	X				X				
6 B6-4 *	4'	10:05	Soil	VOA Jar	X				X				
7 B6-16	16'	10:30	"	"	X				X				
8 B5-12 *	12'	11:05	"	"	X				X				
9 B5-20	20'	11:40	"	"	X				X				
10 B7-12 *	12'	12:00	"	"	X				X				
11 B7-16	16'	12:25	"	"	X				X				
12 B8-12	12'	13:10	"	"	X				X				
13 B8-20 *	20'	13:35	"	"	X				X				
14 B9-15	15'	13:55	"	"	X				X				
15 B9-20 *	20'	14:15	"	"	X				X				
16													
17													
18													

Relinquished by: Kevin Stenhouse Date / Time: 6/20/07 16:25

Relinquished by: Kevin Stenhouse Date / Time: 6/20/07 16:25

Received by: Kevin Stenhouse Date / Time: 6/20/07 16:25

Received by: Kevin Stenhouse Date / Time: 6/20/07 16:25

Remarks: _____

Good Condition? ☐ Cold? ☐ Seals Intact? ☐ Total Number of Containers: _____

TAT 24HR 48HR 5-Day

ATTACHMENT C
LIMITATIONS AND GUIDELINES FOR USE

ATTACHMENT C

REPORT LIMITATIONS AND GUIDELINES FOR USE¹

This Attachment provides information to help you manage your risks with respect to the use of this report.

ENVIRONMENTAL SERVICES ARE PERFORMED FOR SPECIFIC PURPOSES, PERSONS AND PROJECTS

This report has been prepared for the exclusive use of Ostrom Farms and their authorized agents. This report may be made available to regulatory agencies for review. This report is not intended for use by others, and the information contained herein is not applicable to other sites.

Insight Geologic, Inc. structures our services to meet the specific needs of our clients. For example, an environmental site assessment study conducted for a property owner may not fulfill the needs of a prospective purchaser of the same property. Because each environmental study is unique, each environmental report is unique, prepared solely for the specific client and project site. No one except Ostrom Farms should rely on this environmental report without first conferring with Insight Geologic, Inc.. This report should not be applied for any purpose or project except the one originally contemplated.

THIS ENVIRONMENTAL REPORT IS BASED ON A UNIQUE SET OF PROJECT-SPECIFIC FACTORS

This report has been prepared for the Ostrom Farms Mushroom Facility located at 8322 Steilacoom Road SE in Lacey, Washington. Insight Geologic, Inc. considered a number of unique, project-specific factors when establishing the scope of services for this project and report. Unless Insight Geologic, Inc. specifically indicates otherwise, do not rely on this report if it was:

- not prepared for you,
- not prepared for your project,
- not prepared for the specific site explored, or
- completed before important project changes were made.

If important changes are made after the date of this report, Insight Geologic, Inc. should be given the opportunity to review our interpretations and recommendations and provide written modifications or confirmation, as appropriate.

RELIANCE CONDITIONS FOR THIRD PARTIES

Our report was prepared for the exclusive use of our Client. No other party may rely on the product of our services unless we agree in advance to such reliance in writing. This is to provide our firm with reasonable protection against open-ended liability claims by third parties with whom there would otherwise be no contractual limits to their actions. Within the limitations of scope, schedule and budget, our services have been executed in accordance with our Agreement

¹ Developed based on material provided by ASFE, Professional Firms Practicing in the Geosciences; www.asfe.org.

with the Client and generally accepted environmental practices in this area at the time this report was prepared.

ENVIRONMENTAL REGULATIONS ARE ALWAYS EVOLVING

Some substances may be present in the site vicinity in quantities or under conditions that may have led, or may lead, to contamination of the subject site, but are not included in current local, state or federal regulatory definitions of hazardous substances or do not otherwise present current potential liability. Insight Geologic, Inc. cannot be responsible if the standards for appropriate inquiry, or regulatory definitions of hazardous substance, change or if more stringent environmental standards are developed in the future.

UNCERTAINTY MAY REMAIN EVEN AFTER THIS PHASE II ESA IS COMPLETED

No ESA can wholly eliminate uncertainty regarding the potential for contamination in connection with a property. Our interpretation of subsurface conditions in this study is based on field observations and chemical analytical data from widely-spaced sampling locations. It is always possible that contamination exists in areas that were not explored, sampled or analyzed.

SUBSURFACE CONDITIONS CAN CHANGE

This environmental report is based on conditions that existed at the time the study was performed. The findings and conclusions of this report may be affected by the passage of time, by manmade events such as construction on or adjacent to the site, by new releases of hazardous substances, or by natural events such as floods, earthquakes, slope instability or ground water fluctuations. Always contact Insight Geologic, Inc. before applying this report to determine if it is still applicable.

SOIL AND GROUND WATER END USE

The cleanup levels referenced in this report are site- and situation-specific. The cleanup levels may not be applicable for other sites or for other on-site uses of the affected media (soil and/or ground water). Note that hazardous substances may be present in some of the site soil and/or ground water at detectable concentrations that are less than the referenced cleanup levels. Insight Geologic, Inc. should be contacted prior to the export of soil or ground water from the subject site or reuse of the affected media on site to evaluate the potential for associated environmental liabilities. We cannot be responsible for potential environmental liability arising out of the transfer of soil and/or ground water from the subject site to another location or its reuse on site in instances that we were not aware of or could not control.

MOST ENVIRONMENTAL FINDINGS ARE PROFESSIONAL OPINIONS

Our interpretations of subsurface conditions are based on field observations and chemical analytical data from widely spaced sampling locations at the site. Site exploration identifies subsurface conditions only at those points where subsurface tests are conducted or samples are

taken. Insight Geologic, Inc. reviewed field and laboratory data and then applied our professional judgment to render an opinion about subsurface conditions throughout the site. Actual subsurface conditions may differ – sometimes significantly – from those indicated in this report. Our report, conclusions and interpretations should not be construed as a warranty of the subsurface conditions.

DO NOT REDRAW THE EXPLORATION LOGS

Environmental scientists prepare final boring and testing logs based upon their interpretation of field logs and laboratory data. To prevent errors or omissions, the logs included in an environmental report should never be redrawn for inclusion in other design drawings. Only photographic or electronic reproduction is acceptable, but recognize that separating logs from the report can elevate risk.

READ THESE PROVISIONS CLOSELY

Some clients, design professionals and contractors may not recognize that the geoscience practices (geotechnical engineering, geology and environmental science) are far less exact than other engineering and natural science disciplines. This lack of understanding can create unrealistic expectations that could lead to disappointments, claims and disputes. Insight Geologic, Inc. includes these explanatory “limitations” provisions in our reports to help reduce such risks. Please confer with Insight Geologic, Inc. if you are unclear how these “Report Limitations and Guidelines for Use” apply to your project or site.

GEOTECHNICAL, GEOLOGIC AND GEOENVIRONMENTAL REPORTS SHOULD NOT BE INTERCHANGED

The equipment, techniques and personnel used to perform an environmental study differ significantly from those used to perform a geotechnical or geologic study and vice versa. For that reason, a geotechnical engineering or geologic report does not usually relate any environmental findings, conclusions or recommendations; e.g., about the likelihood of encountering underground storage tanks or regulated contaminants. Similarly, environmental reports are not used to address geotechnical or geologic concerns regarding a specific project.

BIOLOGICAL POLLUTANTS

Insight Geologic, Inc.’s Scope of Work specifically excludes the investigation, detection, or assessment of the presence of Biological Compounds which are Pollutants in or around any structure. Accordingly, this report includes no interpretations, recommendations, findings, or conclusions for the purpose of detecting, assessing, or abating Biological Pollutants. The term “Biological Pollutants” includes, but is not limited to, molds, fungi, spores, bacteria, and viruses, and/or any of their byproducts.