Associated Environmental Group, LLC

Phase II Environmental Site Assessment

Conducted on:
Comfort Suites Airport
7200 Fun Center Way
Tukwila, Washington 98188-5508

Prepared for:
Charles Musang Lee
East Wind Investments, Inc.
Dba: Comfort Suites Airport
7200 Fun Center Way
Tukwila, Washington 98188-5508

Prepared & Reviewed by:

John Schenk
Staff Scientist

Scott Rose, L.H.G.
Senior Hydrogeologist

State of Washington
Hydrogeologist
2635
Licensed Geologist
SCOTT I ROSE

AEG Project #: 21-110
Date of Report: March 15, 2021

TABLE OF CONTENTS

1.0 INTRODUCTION 1

1.1 Site and Vicinity Area Background 2
1.2 Site History 2
1.3 Site Geology and Hydrogeology 3

2.0 OBJECTIVES AND SCOPE OF WORK 4

3.0 FIELD METHODOLOGY 5

3.1 Soil Borings 5
3.2 Soil Sampling Procedures 5
3.3 Groundwater Sampling Procedures 5
3.4 Laboratory Analyses 6
3.5 Quality Controls 6

4.0 ANALYTICAL RESULTS 7

4.1 Soil Results 7
4.2 Groundwater Results 7

5.0 CONCLUSIONS AND RECOMMENDATIONS 8

5.1 Conclusions 8
5.2 Recommendations 8

6.0 LIMITATIONS 9

7.0 REFERENCES 10

FIGURES

Figure 1: *Site Map*

TABLES

Table 1: *Summary of Soil Analytical Results*
Table 2: *Summary of Groundwater Analytical Results*

APPENDICES

Appendix A: Supporting Documents:
Boring Logs
Laboratory Datasheets

1.0 INTRODUCTION

Associated Environmental Group, LLC (AEG) has completed a Phase II Environmental Site Assessment (ESA) for Comfort Suites Airport located at 7200 Fun Center Way in Tukwila, King County, Washington (Site). This Phase II investigation was performed in accordance with Washington Administrative Code (WAC) 173-340 – Model Toxics Control Act (MTCA), and was initiated in response to recommendations included in a Phase I ESA conducted by AEG in September 2020. The Phase I ESA identified the following as a Recognized Environmental Concern (REC):

- *According to a SHA completed by Ecology in February 2019, the Property and adjoining properties were formerly occupied by five residences with ancillary buildings, one auto repair shop, one barn, one former nursery retail shop, and one milk processing plant and shed. Most of these building structures were reported located on the current Family Fun Center property, except the barn located on the southern portion of the subject Property. A Phase I and Phase II ESA were performed at the larger property in 1997. According to the SHA, steel slag fill was reportedly brought to the northern portion of the Property by Renton Sand and Gravel. The slag fill was also observed at the ground surface along the gravel road bisecting the current Family Fun Center and the subject Property, and on many of the driveways to the residential buildings. Metals, including arsenic and chromium, were detected above the MTCA Method A cleanup levels in shallow soils between 0.5 and 1 foot below ground surface near the auto repair shop (southern portion of the Property). In addition, arsenic was detected at concentrations above the MTCA Method A cleanup level in groundwater at the northern portion of the larger property. Arsenic was also previously (in 1996) detected in groundwater at concentrations above the MTCA Method A cleanup level at the southeast corner of the larger property.*

  Three groundwater monitoring wells (MW-20 and MW-21 on the current Family Fun Center, and MW-22 on the subject Property) were installed along the northern edge of the larger boundary (downgradient) in 2002 after redevelopment and remedial soil excavation. These monitoring wells were sampled between April 2002 and January 2005. Concentrations of arsenic and lead were detected above the MTCA Method A groundwater cleanup levels in groundwater of MW-22 on the Property. Groundwater samples collected from a monitoring well (MW-19) installed at the southeast portion of the Family Fun Center (upgradient) in 1997 did not contain detectable dissolved arsenic concentrations. Therefore, it was presumed that the elevated metal concentrations in the downgradient wells MW-20 through MW-22 were from on-site sources. The exact on-site sources are reported as unknown, but are presumed to be associated with the steel slag present on greater property.

Based on the information included in the Washington State Department of Ecology (Ecology) Site Hazard Assessment (SHA), the Comfort Suites property is part of a larger listed site (Family Fun Center; Facility/Site ID No. 18434384) that includes both the Family Fun Center to the east and south and the commercial property to the west.

To assess potential contamination, AEG collected soil and groundwater samples from five borings around the Site. The borings were advanced up to 26.5 feet below ground surface (bgs) and soil and groundwater samples were laboratory analyzed for MTCA 5 metals.

1.1 Site and Vicinity Area Background

The Site consists of one 3.57-acre King County Assessor Tax Parcel (242304-9013) and is situated on the northeast corner of the intersection of Southwest Grady Way and Interurban Avenue South within the incorporated limits of the City of Tukwila, Washington. The current improvements were completed in 2002 (King County Assessor). The Site consists of a four-story, 88,137-square-foot, reinforced-concrete building that was designed and built as a hotel, asphalt-paved parking and drive areas, and associated landscaping. The building faces south with the main entrance to the south. An asphalt-paved parking and drive area is present on all sides of the building. Access is via a driveway on the southwest that is connected to Fun Center Way (formerly Monster Road Southwest).

1.2 Site History

A Phase I ESA performed by AEG in September 2020 noted the Site was unimproved land as early as 1897, developed with a barn associated with the adjoining properties, including five residences with ancillary buildings, one auto repair shop, one former nursery retail shop, and one milk processing plant and shed. Most of these building structures were reported located on the current Family Fun Center property to the east and south, except for the barn that was located on the southern portion of the Site.

No evidence of historical underground storage tanks (USTs) was identified for the Site; however, Site soils were reported impacted with petroleum hydrocarbons (TPH) and carcinogenic polycyclic aromatic hydrocarbons (cPAHs) from the former USTs, and with metals associated with steel slag fill that was spread across the larger property. Excavated contaminated soils and slag were placed as fill under a cap in the south parking lot of the current Family Fun Center. The cap is protected by a restrictive covenant placed on the Family Fun Center property by Ecology

1.3 Site Geology and Hydrogeology

The Property is in the region of the Puget Lowlands, an elongated topographic and structural depression filled with complex sequences of glacial and non-glacial sediments that overlie bedrock. Continental ice sheets up to 3,000 feet thick covered portions of the Puget Lowland several times during the Quaternary period. Retreating ice carved new landscapes, rechanneled rivers, drained or formed lakes, and deposited glacial drift including till and outwash. The geology is variable within one-half mile of the Property. According to the Geologic Map of Washington, the Property and surrounding properties overlie Pre-Fraser glaciation age deposits that primarily consist of horizontally bedded to cross bedded, coarse lag sand and gravel deposited in outwash channels that carried south draining glacial meltwater during ice retreat.

According to the US Geologic Survey Geologic Map of Washington, the Property and vicinity area are underlain by Pleistocene-aged younger glacial drift, which is characterized as "*Advance and recessional outwash, stratified drift and associated deposits* [that are] *primarily silt, sand and gravel with some clay"* (Huntting, M.T, et. al. 1961).

Soils encountered by AEG during drilling included poorly graded sand and silt, which transitioned to a silt at about 15 feet, then back to poorly graded sane at about 20.5 feet. Groundwater was encountered at about 21 to 25 feet bgs in all borings, except for B-5, which encountered refusal at 9 feet bgs prior to encountering groundwater.

2.0 OBJECTIVES AND SCOPE OF WORK

The primary objective of this investigation was to further evaluate the impacts to soil and groundwater previously noted in the Phase I report conducted by AEG.

Specific tasks performed included:

- Conducting a Site visit to mark for utilities and arranging for public and private utilities to be located.
- Providing oversight during the advancement of five total soil borings at the Site in one day of drilling. Soil borings were advanced throughout the Site up to depths of 26.5 feet bgs.
- Collecting soil and groundwater samples from each boring prior to backfilling each boring.
- Continuously logging the subsurface media during the advancement of all borings. Soil samples were observed to document soil lithology, color, moisture content, and sensory evidence of impairment. Soil samples were classified in the field and field-screened utilizing a Photoionization Detector (PID) to facilitate the selection of appropriate soil samples were submitted to the analytical laboratory.
- Collecting all soil and groundwater samples in laboratory-provided containers. The containers were labeled and placed in a portable chilled ice chest and transported to the laboratory following standard chain-of-custody procedures.
- Submitting selected samples to a Washington State-accredited analytical laboratory for one or more of the following parameters:
    - MTCA 5 Metals (arsenic, cadmium, chromium, lead, and mercury) using Method EPA 7010 and 7471.

3.0 FIELD METHODOLOGY

3.1 Soil Borings

On February 11 and 12, 2021, AEG supervised the advancement of soil borings B-1 through B-4 to about 26.5 feet bgs, and B-5 to 9 feet bgs at the Site via a truck mounted hollow-stem auger rig operated by subcontractor Cascade Drilling, LP (Cascade) drilling company. Soil and groundwater samples were collected during drilling for field screening and laboratory analyses. Boring and well locations are illustrated on Figure 1, *Site Map*. Boring logs and laboratory analytical results are provided in Appendix A, Supporting Documents, *Boring Logs, Laboratory Datasheets*.

3.2 Soil Sampling Procedures

Soil sampling methods for this work followed the protocols established by Ecology and the U.S. Environmental Protection Agency (EPA). To minimize VOC losses, soil sampling and field preservation methods for VOCs followed methods set forth by EPA's Method 5035A and Ecology's guidance, "*Collecting and Preparing Soil Samples for VOC Analysis*". Soil samples were collected from the soil borings via a split-spoon sampler advanced inside the hollow-stem augers. Soils were observed to document soil lithology, color, moisture content, and sensory evidence of contamination.

Soil samples were collected and placed into laboratory provided 4-ounce jars for the analyses of constituents of concern. The soil samples were transported to Libby Environmental, Inc. (Libby), a Washington State accredited laboratory, for analyses following industry standard chain-of-custody procedures.

3.3 Groundwater Sampling Procedures

AEG sampled the groundwater from B-1 through B-4 using a temporary well screen. Groundwater was not encountered in B-5. The temporary well screen was placed at the interval below the vadose zone where groundwater was encountered during drilling activities. Dedicated polyethylene tubing was inserted into the retractable screen and groundwater purged via the EPA-approved low-flow purge technique. A peristaltic pump was used to purge the well until the discharge was relatively free of sediment.

Groundwater monitoring wells were sampled via the low flow-purging technique, and purged until the field parameters, including pH, temperature, specific conductivity, dissolved oxygen, and/or total dissolved solids were stabilized, and the water was relatively free of sediment.

Groundwater samples were collected in laboratory-provided 40-ml volatile organic analysis (VOA) vials. Upon collection, the samples were placed in a chilled cooler for transport to the Libby laboratory in Olympia, Washington, for analyses following industry standard chain-of-custody procedures.

3.4 Laboratory Analyses

Soil and groundwater samples were analyzed for the following analyses:

- MTCA 5 Metals (arsenic, cadmium, chromium, lead, and mercury) using Method EPA 7010 and 7471.

3.5 Quality Controls

To ensure that quality information was obtained at the Site:

- All samples were collected in general accordance with industry protocols for the collection, documentation, and handling of environmental samples.
- Descriptions of soil sampling depths were carefully logged in the field. The driller and geologist confirmed sample depths as soil samples were collected.
- Nitrile gloves were worn when handling all sampling containers and sampling devices. Clean gloves were used at each soil boring to prevent cross contamination.
- The sampling equipment was scrubbed with Alconox detergent and rinsed with water prior to each sample extracted.
- Soil samples were tightly packed into laboratory-provided dedicated sampling containers to eliminate sample headspace.
- Upon sampling, all soil samples were immediately placed into chilled ice chests and transported for analysis under a chain-of-custody protocol to the Libby analytical laboratory in Olympia, Washington.

The analytical laboratory provided project quality assurance/quality control (QA/QC), including:

- Surrogate recoveries for each sample.
- Method blank results.
- Duplicate analysis.
- Laboratory control samples.

All analytical laboratory QA/QC results were within required limits. Analytical Laboratory results are provided in Appendix A, Supporting Documents, *Laboratory Datasheets.*

4.0 ANALYTICAL RESULTS

Analytical results obtained from all samples were compared to MTCA Method A cleanup levels for unrestricted land uses. Copies of the laboratory analytical results are provided in Appendix A, Supporting Documents, *Laboratory Datasheets*.

4.1 Soil Results

Analytical results of the soil samples indicated all analyzed constituents were either non-detect or below MTCA Method A cleanup levels, with one exception: the sample collected from B-5 indicated the presence of arsenic at 33 milligrams per kilogram (mg/kg), which is above the MTCA Method A cleanup level of 20 mg/kg.

Table 1, *Summary of Soil Analytical Results,* presents a summary of all soil analytical results as compared to MTCA Method A cleanup levels.

4.2 Groundwater Results

Analytical results of the groundwater samples detected constituents of concern (COC) above laboratory detection limits in all borings. Detections of COCs above MTCA Method A cleanup levels are described as follows:

- Lead was detected at or above the MTCA Method A cleanup level of 15 micrograms per liter (µg/L) in borings B-1 (150 µg/L), B-2 (79 µg/L), B-3 (84 µg/L), and B-4 (15 µg/L).
- Arsenic was detected above the MTCA Method A cleanup level of 5 µg/L in borings B-1 (150 µg/L), B-2 (47 µg/L), B-3 (88 µg/L), and B-4 (75 µg/L).
- Cadmium was detected above the MTCA Method A cleanup level of 5 µg/L in boring B-2 (10 µg/L).

Table 2, *Summary of Groundwater Analytical Results*, presents the groundwater analytical results for all samples analyzed as compared to MTCA Method A groundwater cleanup levels.

5.0 CONCLUSIONS AND RECOMMENDATIONS

The conclusions and recommendations derived during the subsurface assessment activities at the Site are as follows:

5.1 Conclusions

- Five soil borings were advanced at the Site by AEG up to 26.5 feet bgs. Arsenic was detected in one soil sample (B5-6) above the MTCA Method A cleanup level at 20 mg/kg. All other constituents analyzed for were either non-detect or were detected below their applicable MTCA cleanup levels.
- Groundwater analytical results from all borings detected lead and arsenic above the MTCA Method A cleanup levels at 15 µg/L and 5 µg/L, respectively. Additionally, boring B-2 detected cadmium above the MTCA Method A cleanup level of 5 µg/L. All other constituents analyzed for were either non-detect or were detected below their applicable MTCA cleanup levels.
- Groundwater was encountered at depths of approximately 21 to 25 feet bgs at the time of drilling.

5.2 Recommendations

As stated earlier in this report, the Comfort Suites property is part of a larger listed Site (Family Fun Center; Facility/Site ID No. 18434384) that includes both the Family Fun Center to the east and south and the commercial property to the west. For the Site to receive a Property-Specific No Further Action (NFA) Letter from Ecology, at a minimum, AEG recommends the following:

- Additional borings should be advanced to define the extent of arsenic detected in Site soil.
- Installation of monitoring wells and quarterly groundwater sampling to determine the extent of metals impacts in groundwater as well as any seasonal variation in metals concentrations and groundwater flow direction.
- Draft a Remedial Investigation Report summarizing the extent of contamination identified in soil and groundwater.
- Enrollment in Ecology's Voluntary Cleanup Program, and submittal of the Remedial Investigation Report for review.

6.0 LIMITATIONS

This report summarizes the findings of the services authorized under our agreement with Mr. Charles Musang Lee. It has been prepared using generally accepted professional practices, related to the nature of the work accomplished. This report was prepared for the exclusive use of Mr. Lee and his designated representatives, for the specific application to the project purpose.

Recommendations, opinions, Site history, and proposed actions contained in this report apply to conditions and information available at the time this report was completed. Since conditions and regulations beyond our control can change at any time after completion of this report, or our proposed work, we are not responsible for any impacts of any changes in conditions, standards, practices, and/or regulations subsequent to our performance of services. We cannot warrant or validate the accuracy of information supplied by others, in whole or part.

7.0 REFERENCES

American Society for Testing and Materials (ASTM) Standard E 1903-97. *Standard Guide Environmental Site Assessments: Phase II Environmental Site Assessment Process*.

Associated Environmental Group, LLC. 2021. *Phase I Environmental Site Assessment, Comfort Inn Suites, 7200 Fun Center Way, Tukwila, Washington 98188*, dated September 23, 2020.

Walsh, T. J. 2003. *Geologic Map Northwest Quadrangle, Washington.* Washington State Department of Natural Resources.

Washington State Department of Ecology. 2004. *Collecting and Preparing Soil Samples for VOC Analysis*, Implementation Memorandum #5.

Washington State Department of Ecology. 2007. *Model Toxic Control Act Statute and Regulation – Chapter 173-340 WAC*, Publication number 94-06 (Revised November 2007).

Washington State Department of Ecology. 2019. *Site Hazard Assessment, Family Fun Center*, February.

FIGURES

2633 PARKMONT LANE SW, SUITE A • OLYMPIA, WA • 98502-5751
Phone: 360.352.9835 • Fax: 360.352.8164 • Email: admin@aegwa.com

Subject Property

Storm Drain

Listed in the Database Report *

Monitoring Wells

Hot Spots

AEG Boring Locations

Inferred direction of shallow-seated groundwater

Figure 1 - SITE MAP

DRAWING NOT TO SCALE

Associated Environmental Group, LLC

Site Name:	Comfort Suites Airport Tukwila 7200 Fun Center Way Tukwila, Washington 98188
Project Number	20-185

TABLES

2633 PARKMONT LANE SW, SUITE A • OLYMPIA, WA • 98502-5751
Phone: 360.352.9835 • Fax: 360.352.8164 • Email: admin@aegwa.com

Table 1 - Summary of Soil Analytical Results
Comfort Suites Airport Tukwila (21-110)
Tukwila, WA

Sample Number	Depth Collected (feet)	Date Collected	MTCA 5 Metals				
			Mercury	Lead	Cadmium	Chromium	Arsenic
B1-21	21.0	2/16/2021	<0.5	**9.0**	<1.0	**8.1**	**14**
B2-21	21.0	2/16/2021	<0.5	**7.8**	<1.0	<5.0	**12**
B3-21	21.0	2/16/2021	<0.5	<5.0	<1.0	<5.0	**5.6**
B4-21	21.0	2/16/2021	<0.5	<5.0	<1.0	<5.0	<5.0
B5-6	6.0	2/16/2021	<0.5	**170**	**1.1**	**33**	**33**
PQL			0.5	5.0	1.0	5.0	5.0
MTCA Method A Cleanup Levels			2	250	2	2,000	20

Notes:
All values in milligrams per kilogram (mg/kg)
-- = Not analyzed for constituent
< = Not detected at the listed laboratory detection limits
PQL = Practical Quantification Limit (laboratory detection limit)
Red Bold indicates the detected concentration exceeds Ecology MTCA Method A cleanup level
Bold indicates the detected concentration is below Ecology MTCA Method A cleanup levels

Table 2 - Summary of Groundwater Analytical Results
Comfort Suites Airport Tukwila (21-110)
Tukwila, WA

Sample Number	Date Sampled	MTCA 5 Metals - Total Metals				
		Mercury	Lead	Cadmium	Chromium	Arsenic
B1-W	2/16/2021	<0.1	**150**	**4.0**	**21**	**150**
B2-W	2/16/2021	<0.1	**79**	**10**	<5.0	**47**
B3-W	2/16/2021	**0.328**	**84**	**4.1**	**13**	**88**
B4-W	2/16/2021	<0.1	**15**	**1.5**	<5.0	**75**
PQL		0.1	5.0	0.5	5.0	3.0
MTCA Method A Cleanup Levels		2	15	5	50	5

Notes:
All values in micrograms per liter (µg/L)
-- = Not analyzed for constituent
< = Not detected at the listed laboratory detection limits
PQL = Practical Quantification Limit (laboratory detection limit)
Red Bold indicates the detected concentration exceeds Ecology MTCA Method A cleanup level
Bold indicates the detected concentration is below Ecology MTCA Method A cleanup levels

APPENDIX A

SUPPORTING DOCUMENTS

Boring Logs
Laboratory Datasheets

2633 PARKMONT LANE SW SUITE A • OLYMPIA, WA • 98502-5751
Phone: 360.352.9835 • Fax: 360.352.8164 • Email: admin@aegwa.com

Associated Environmental Group, LLC	Client: AEG-CLIENTS	BORING LOG
	Project: 21-110	Boring No. B-1
	Address: 7200 Fun Center Way, Tukwila, WA	Page: 1 of 2

Drilling Start Date:	02/11/2021 09:56	Boring Depth (ft):	26.5
Drilling End Date:	02/11/2021 10:52	Boring Diameter (in):	8.00
Drilling Company:	Cascade	Sampling Method(s):	Split Spoon
Drilling Method:	Hollow Stem Auger	DTW During Drilling (ft):	26.0
Drilling Equipment:	Truck Mounted Auger Rig	DTW After Drilling (ft):	N/A
Driller:	James	Ground Surface Elev. (ft):	
Logged By:	B. Dilba	Location (Lat, Long):	

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (ft)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft)
0								(0') Asphalt			0
								(0.5') Poorly graded SAND with silt (SP-SM); mostly fine-coarse grained sand, trace fine-coarse gravel, some silt, medium dense, moist, dark bluish-gray			
5				SS	10:08	2 2 3	1.50			B1-6	5
10				SS	10:14	3 4 2	1.50			B1-11	10
15				SS	10:21	5 6 5	1.50	(15') SILT (ML); trace fine gravel, little fine sand, mostly silt, nonplastic, medium stiff, moist, dark black		B1-16	15
20											20

NOTES:

Associated Environmental Group, LLC	Client: AEG-CLIENTS	BORING LOG
	Project: 21-110	Boring No. B-1
	Address: 7200 Fun Center Way, Tukwila, WA	Page: 2 of 2

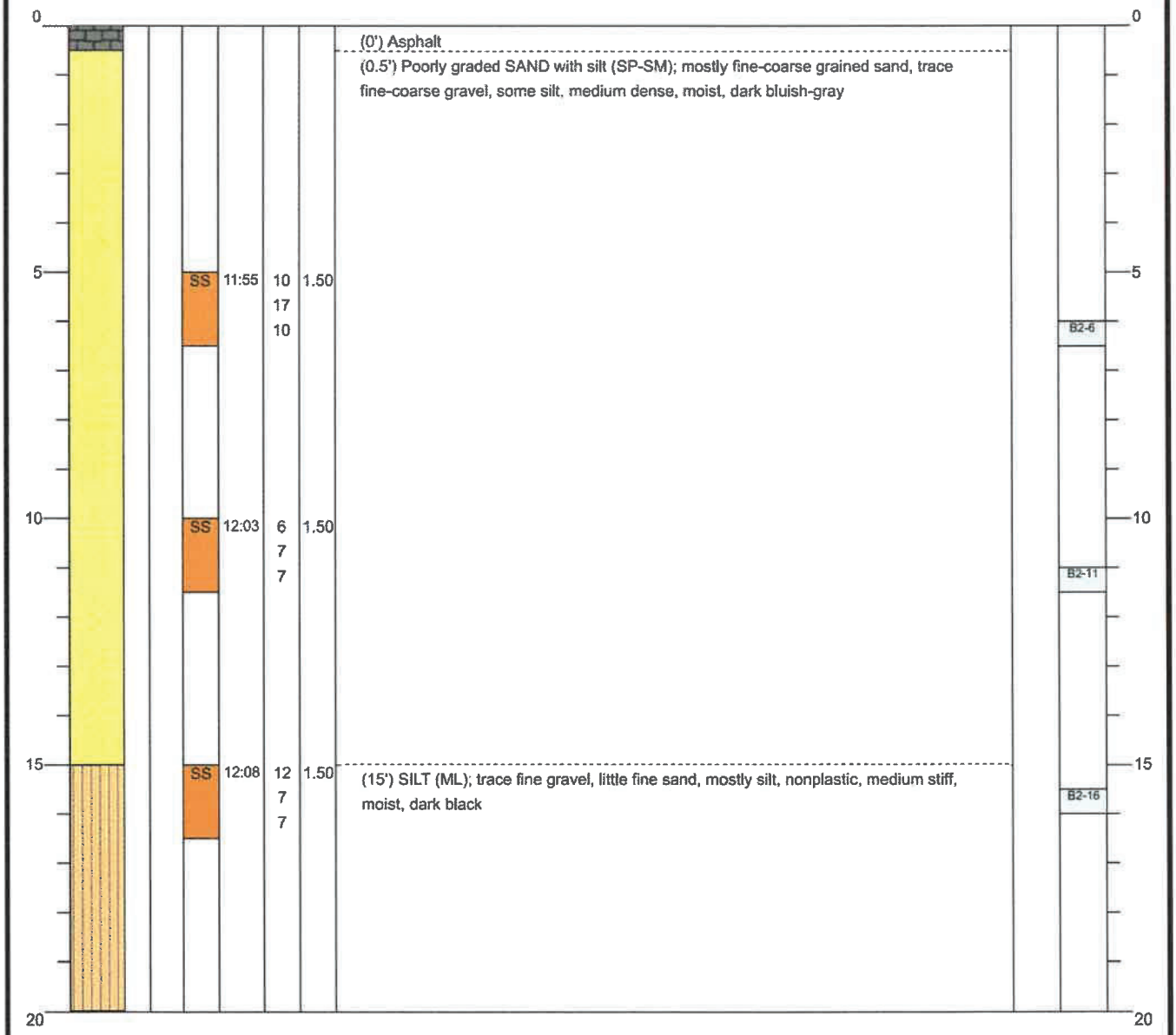
Drilling Start Date:	02/11/2021 09:56	Boring Depth (ft):	26.5
Drilling End Date:	02/11/2021 10:52	Boring Diameter (in):	8.00
Drilling Company:	Cascade	Sampling Method(s):	Split Spoon
Drilling Method:	Hollow Stem Auger	DTW During Drilling (ft):	26.0
Drilling Equipment:	Truck Mounted Auger Rig	DTW After Drilling (ft):	N/A
Driller:	James	Ground Surface Elev. (ft):	
Logged By:	B. Dilba	Location (Lat, Long):	

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (ft)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft)
20				SS	10:29	6 5 6	1.50	(15') SILT (ML); trace fine gravel, little fine sand, mostly silt, nonplastic, medium stiff, moist, dark black (20.5') Poorly graded SAND with silt (SP-SM); mostly fine-coarse grained sand, trace fine-coarse gravel, some silt, medium dense, moist, dark bluish-gray		B1-21	20
25		▽		SS	10:34	3 3 3	1.50	(26.5') Boring terminated		B1-26	25
30											30
35											35
40											40

NOTES:

Associated Environmental Group, LLC	Client: AEG-CLIENTS	BORING LOG
	Project: 21-110	Boring No. B-2
	Address: 7200 Fun Center Way, Tukwila, WA	Page: 1 of 2

Drilling Start Date:	02/11/2021 11:38	Boring Depth (ft):	26.5
Drilling End Date:	02/11/2021 12:35	Boring Diameter (in):	8.00
Drilling Company:	Cascade	Sampling Method(s):	Split Spoon
Drilling Method:	Hollow Stem Auger	DTW During Drilling (ft):	21.0
Drilling Equipment:	Truck Mounted Auger Rig	DTW After Drilling (ft):	N/A
Driller:	James	Ground Surface Elev. (ft):	
Logged By:	B. Dilba	Location (Lat, Long):	



NOTES:

Associated Environmental Group, LLC	Client: AEG-CLIENTS	BORING LOG
	Project: 21-110	Boring No. B-2
	Address: 7200 Fun Center Way, Tukwila, WA	Page: 2 of 2

Drilling Start Date:	02/11/2021 11:38	Boring Depth (ft):	26.5
Drilling End Date:	02/11/2021 12:35	Boring Diameter (in):	8.00
Drilling Company:	Cascade	Sampling Method(s):	Split Spoon
Drilling Method:	Hollow Stem Auger	DTW During Drilling (ft):	21.0
Drilling Equipment:	Truck Mounted Auger Rig	DTW After Drilling (ft):	N/A
Driller:	James	Ground Surface Elev. (ft):	
Logged By:	B. Dilba	Location (Lat, Long):	

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (ft)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft)
20				SS	12:14	5 5 5	1.50	(15') SILT (ML): trace fine gravel, little fine sand, mostly silt, nonplastic, medium stiff, moist, dark black (20.5') Poorly graded SAND with silt (SP-SM): mostly fine-coarse grained sand, trace fine-coarse gravel, some silt, medium dense, moist, dark bluish-gray		B2-21	20
25				SS	12:23	4 3 6	1.50			B2-26	25
								(26.5') Boring terminated			
30											30
35											35
40											40

NOTES:

Associated Environmental Group, LLC	Client: AEG-CLIENTS	BORING LOG
	Project: 21-110	Boring No. B-3
	Address: 7200 Fun Center Way, Tukwila, WA	Page: 1 of 2

Drilling Start Date:	02/11/2021 13:59	Boring Depth (ft):	26.5
Drilling End Date:	02/11/2021 14:49	Boring Diameter (in):	8.00
Drilling Company:	Cascade	Sampling Method(s):	Split Spoon
Drilling Method:	Hollow Stem Auger	DTW During Drilling (ft):	21.0
Drilling Equipment:	Truck Mounted Auger Rig	DTW After Drilling (ft):	N/A
Driller:	James	Ground Surface Elev. (ft):	
Logged By:	B. Dilba	Location (Lat, Long):	

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (ft)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft)
0								(0') Asphalt (0.5') Poorly graded SAND with silt (SP-SM); mostly fine-coarse grained sand, trace fine-coarse gravel, some silt, medium dense, moist, dark bluish-gray			0
5				SS	14:27	2 2 2	1.50			B3-6	5
10				SS	14:31	3 3 4	1.50			B3-11	10
15				SS	14:36	6 6 5	1.50	(15') SILT (ML); trace fine gravel, little fine sand, mostly silt, nonplastic, medium stiff, moist, dark black		B3-16	15
20											20

NOTES:

Associated Environmental Group, LLC	Client: AEG-CLIENTS	BORING LOG
	Project: 21-110	Boring No. B-3
	Address: 7200 Fun Center Way, Tukwila, WA	Page: 2 of 2

Drilling Start Date:	02/11/2021 13:59	Boring Depth (ft):	26.5
Drilling End Date:	02/11/2021 14:49	Boring Diameter (in):	8.00
Drilling Company:	Cascade	Sampling Method(s):	Split Spoon
Drilling Method:	Hollow Stem Auger	DTW During Drilling (ft):	21.0
Drilling Equipment:	Truck Mounted Auger Rig	DTW After Drilling (ft):	N/A
Driller:	James	Ground Surface Elev. (ft):	
Logged By:	B. Dilba	Location (Lat. Long):	

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (ft)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft)
20				SS	14:40	9 9 911	1.50	(15') SILT (ML); trace fine gravel, little fine sand, mostly silt, nonplastic, medium stiff, moist, dark black		B3-21	20
								(20.5') Poorly graded SAND with silt (SP-SM); mostly fine-coarse grained sand, trace fine-coarse gravel, some silt, medium dense, moist, dark bluish-gray			
25				SS	14:40	3 3 3	1.50			B3-25	25
								(26.5') Boring terminated			
30											30
35											35
40											40

NOTES:

Associated Environmental Group, LLC	Client: AEG-CLIENTS	BORING LOG
	Project: 21-110	Boring No. B-4
	Address: 7200 Fun Center Way, Tukwila, WA	Page: 1 of 2

Drilling Start Date:	02/12/2021 09:11	Boring Depth (ft):	26.5
Drilling End Date:	02/12/2021 10:05	Boring Diameter (in):	8.00
Drilling Company:	Cascade	Sampling Method(s):	Split Spoon
Drilling Method:	Hollow Stem Auger	DTW During Drilling (ft):	21.0
Drilling Equipment:	Truck Mounted Auger Rig	DTW After Drilling (ft):	N/A
Driller:	James	Ground Surface Elev. (ft):	
Logged By:	B. Dilba	Location (Lat, Long):	

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (ft)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft)
0								(0') Asphalt			0
								(0.5') Poorly graded SAND with silt (SP-SM); mostly fine-coarse grained sand, trace fine-coarse gravel, some silt, medium dense, moist, dark bluish-gray			
5				SS	09:15	7 1 6	1.50			B4-6	5
10				SS	09:20	3 3 3	1.50			B4-11	10
15				SS	09:25	6 5 5	1.50	(15') SILT (ML); trace fine gravel, little fine sand, mostly silt, nonplastic, medium stiff, moist, dark black		B4-16	15
20											20

NOTES:

Associated Environmental Group, LLC	Client: AEG-CLIENTS	BORING LOG
	Project: 21-110	Boring No. B-4
	Address: 7200 Fun Center Way, Tukwila, WA	Page: 2 of 2

Drilling Start Date:	02/12/2021 09:11	Boring Depth (ft):	26.5
Drilling End Date:	02/12/2021 10:05	Boring Diameter (in):	8.00
Drilling Company:	Cascade	Sampling Method(s):	Split Spoon
Drilling Method:	Hollow Stem Auger	DTW During Drilling (ft):	21.0
Drilling Equipment:	Truck Mounted Auger Rig	DTW After Drilling (ft):	N/A
Driller:	James	Ground Surface Elev. (ft):	
Logged By:	B. Dilba	Location (Lat. Long):	

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (ft)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft)
20				SS	09:29	7 8 8	1.50	(15') SILT (ML); trace fine gravel, little fine sand, mostly silt, nonplastic, medium stiff, moist, dark black (20.5') Poorly graded SAND with silt (SP-SM); mostly fine-coarse grained sand, trace fine-coarse gravel, some silt, medium dense, moist, dark bluish-gray		B4-21	20
25				SS	09:37	7 6 7	1.50			B4-26	25
30								(26.5') Boring terminated			30
35											35
40											40

NOTES:

Associated Environmental Group, LLC	Client: AEG-CLIENTS	BORING LOG
	Project: 21-110	Boring No. B-5
	Address: 7200 Fun Center Way, Tukwila, WA	Page: 1 of 2

Drilling Start Date:	02/12/2021 10:51	Boring Depth (ft):	9.0
Drilling End Date:	02/12/2021 11:20	Boring Diameter (in):	8.00
Drilling Company:	Cascade	Sampling Method(s):	Split Spoon
Drilling Method:	Hollow Stem Auger	DTW During Drilling (ft):	N/A
Drilling Equipment:	Truck Mounted Auger Rig	DTW After Drilling (ft):	N/A
Driller:	James	Ground Surface Elev. (ft):	
Logged By:	B. Dilba	Location (Lat, Long):	

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (ft)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft)
0								(0') Asphalt (0.5') Fill			0
5				SS	09:15	4 3 3	1.50			B5-5	5
								(7') Poorly graded SAND with silt (SP-SM); mostly fine-coarse grained sand, trace fine-coarse gravel, some silt, medium dense, moist, dark bluish-gray			
10								(9') Boring terminated			10
15											15
20											20

NOTES: Refusal at 9' due to unknown obstruction. No groundwater collected.

Libby Environmental, Inc.
3322 South Bay Road NE • Olympia, WA 98506-2957

February 26, 2021

Becky Dilba
Associated Environmental Group, LLC
2633 Parkmont Lane SW, Suite A
Olympia, WA 98502

Dear Ms. Dilba:

Please find enclosed the analytical data report for the Comfort Inn Tukwila Project located in Tukwila, Washington.

The results of the analyses are summarized in the attached tables. Applicable detection limits and QA/QC data are included. The sample(s) will be disposed of in 30 days unless we are contacted to arrange long term storage.

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
Senior Chemist
Libby Environmental, Inc.

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

TABLES

2633 PARKMONT LANE SW, SUITE A • OLYMPIA, WA • 98502-5751
Phone: 360.352.9835 • Fax: 360.352.8164 • Email: admin@aegwa.com

Table 1 - Summary of Soil Analytical Results
Comfort Suites Tukwila (21-110)
Tukwila, WA

Sample Number	Depth Collected (feet)	Date Collected	MTCA 5 Metals				
			Mercury	Lead	Cadmium	Chromium	Arsenic
B1-21	21.0	2/16/2021	<0.5	**9.0**	<1.0	**8.1**	**14**
B2-21	21.0	2/16/2021	<0.5	**7.8**	<1.0	<5.0	**12**
B3-21	21.0	2/16/2021	<0.5	<5.0	<1.0	<5.0	**5.6**
B4-21	21.0	2/16/2021	<0.5	<5.0	<1.0	<5.0	<5.0
B5-6	6.0	2/16/2021	<0.5	**170**	**1.1**	**33**	**33**
PQL			0.5	5.0	1.0	5.0	5.0
MTCA Method A Cleanup Levels			2	250	2	2,000	20

Notes:
All values in milligrams per kilogram (mg/kg)
-- = Not analyzed for constituent
< = Not detected at the listed laboratory detection limits
PQL = Practical Quantification Limit (laboratory detection limit)
Red Bold indicates the detected concentration exceeds Ecology MTCA Method A cleanup level
Bold indicates the detected concentration is below Ecology MTCA Method A cleanup levels

Table 2 - Summary of Groundwater Analytical Results
Comfort Suites Tukwila (21-110)
Tukwila, WA

Sample Number	Date Sampled	MTCA 5 Metals - Total Metals				
		Mercury	Lead	Cadmium	Chromium	Arsenic
B1-W	2/16/2021	<0.1	**150**	**4.0**	**21**	**150**
B2-W	2/16/2021	<0.1	**79**	**10**	<5.0	**47**
B3-W	2/16/2021	**0.328**	**84**	**4.1**	**13**	**88**
B4-W	2/16/2021	<0.1	**15**	**1.5**	<5.0	**75**
PQL		0.1	5.0	0.5	5.0	3.0
MTCA Method A Cleanup Levels		2	15	5	50	5

Notes:
All values in micrograms per liter (µg/L)
-- = Not analyzed for constituent
< = Not detected at the listed laboratory detection limits
PQL = Practical Quantification Limit (laboratory detection limit)
Red Bold indicates the detected concentration exceeds Ecology MTCA Method A cleanup level
Bold indicates the detected concentration is below Ecology MTCA Method A cleanup levels

APPENDIX A

SUPPORTING DOCUMENTS

Boring Logs
Laboratory Datasheets

2633 PARKMONT LANE SW SUITE A • OLYMPIA, WA • 98502-5751
Phone: 360.352.9835 • Fax: 360.352.8164 • Email: admin@aegwa.com

Associated Environmental Group, LLC	Client: AEG-CLIENTS	BORING LOG
	Project: 21-110	Boring No. B-1
	Address: 7200 Fun Center Way, Tukwila, WA	Page: 1 of 2

Drilling Start Date:	02/11/2021 09:56	Boring Depth (ft):	26.5
Drilling End Date:	02/11/2021 10:52	Boring Diameter (in):	8.00
Drilling Company:	Cascade	Sampling Method(s):	Split Spoon
Drilling Method:	Hollow Stem Auger	DTW During Drilling (ft):	26.0
Drilling Equipment:	Truck Mounted Auger Rig	DTW After Drilling (ft):	N/A
Driller:	James	Ground Surface Elev. (ft):	
Logged By:	B. Dilba	Location (Lat, Long):	

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (ft)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft)
0								(0') Asphalt			0
								(0.5') Poorly graded SAND with silt (SP-SM); mostly fine-coarse grained sand, trace fine-coarse gravel, some silt, medium dense. moist. dark bluish-gray			
5				SS	10:08	2 2 3	1.50			B1-6	5
10				SS	10:14	3 4 2	1.50			B1-11	10
15				SS	10:21	5 6 5	1.50	(15') SILT (ML); trace fine gravel, little fine sand, mostly silt, nonplastic, medium stiff, moist, dark black		B1-16	15
20											20

NOTES:

Associated Environmental Group, LLC	Client: AEG-CLIENTS	BORING LOG
	Project: 21-110	Boring No. B-1
	Address: 7200 Fun Center Way, Tukwila, WA	Page: 2 of 2

Drilling Start Date:	02/11/2021 09:56	Boring Depth (ft):	26.5
Drilling End Date:	02/11/2021 10:52	Boring Diameter (in):	8.00
Drilling Company:	Cascade	Sampling Method(s):	Split Spoon
Drilling Method:	Hollow Stem Auger	DTW During Drilling (ft):	26.0
Drilling Equipment:	Truck Mounted Auger Rig	DTW After Drilling (ft):	N/A
Driller:	James	Ground Surface Elev. (ft):	
Logged By:	B. Dilba	Location (Lat, Long):	

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (ft)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft)
20				SS	10:29	6 5 6	1.50	(15') SILT (ML); trace fine gravel, little fine sand, mostly silt, nonplastic, medium stiff, moist, dark black (20.5') Poorly graded SAND with silt (SP-SM); mostly fine-coarse grained sand, trace fine-coarse gravel, some silt, medium dense, moist, dark bluish-gray		B1-21	20
25		▽		SS	10:34	3 3 3	1.50			B1-26	25
30								(26.5') Boring terminated			30
35											35
40											40

NOTES:

Associated Environmental Group, LLC	Client: AEG-CLIENTS	BORING LOG
	Project: 21-110	Boring No. B-2
	Address: 7200 Fun Center Way, Tukwila, WA	Page: 1 of 2

Drilling Start Date:	02/11/2021 11:38	Boring Depth (ft):	26.5
Drilling End Date:	02/11/2021 12:35	Boring Diameter (in):	8.00
Drilling Company:	Cascade	Sampling Method(s):	Split Spoon
Drilling Method:	Hollow Stem Auger	DTW During Drilling (ft):	21.0
Drilling Equipment:	Truck Mounted Auger Rig	DTW After Drilling (ft):	N/A
Driller:	James	Ground Surface Elev. (ft):	
Logged By:	B. Dilba	Location (Lat, Long):	

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (ft)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft)
0								(0') Asphalt			0
								(0.5') Poorly graded SAND with silt (SP-SM); mostly fine-coarse grained sand, trace fine-coarse gravel, some silt. medium dense, moist, dark bluish-gray			
5				SS	11:55	10 17 10	1.50			B2-6	5
10				SS	12:03	6 7 7	1.50			B2-11	10
15				SS	12:08	12 7 7	1.50	(15') SILT (ML); trace fine gravel, little fine sand, mostly silt, nonplastic, medium stiff, moist, dark black		B2-16	15
20											20

NOTES:

Associated Environmental Group, LLC	Client: AEG-CLIENTS	BORING LOG
	Project: 21-110	Boring No. B-2
	Address: 7200 Fun Center Way, Tukwila, WA	Page: 2 of 2

Drilling Start Date:	02/11/2021 11:38	Boring Depth (ft):	26.5
Drilling End Date:	02/11/2021 12:35	Boring Diameter (in):	8.00
Drilling Company:	Cascade	Sampling Method(s):	Split Spoon
Drilling Method:	Hollow Stem Auger	DTW During Drilling (ft):	21.0
Drilling Equipment:	Truck Mounted Auger Rig	DTW After Drilling (ft):	N/A
Driller:	James	Ground Surface Elev. (ft):	
Logged By:	B. Dilba	Location (Lat, Long):	

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (ft)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft)
20				SS	12:14	5 5 5	1.50	(15') SILT (ML): trace fine gravel, little fine sand, mostly silt, nonplastic, medium stiff, moist, dark black (20.5') Poorly graded SAND with silt (SP-SM): mostly fine-coarse grained sand, trace fine-coarse gravel, some silt, medium dense, moist, dark bluish-gray		B2-21	20
25				SS	12:23	4 3 6	1.50			B2-26	25
30								(26.5') Boring terminated			30
35											35
40											40

NOTES:

Associated Environmental Group, LLC	Client: AEG-CLIENTS	BORING LOG
	Project: 21-110	Boring No. B-3
	Address: 7200 Fun Center Way, Tukwila, WA	Page: 1 of 2

Drilling Start Date:	02/11/2021 13:59	Boring Depth (ft):	26.5
Drilling End Date:	02/11/2021 14:49	Boring Diameter (in):	8.00
Drilling Company:	Cascade	Sampling Method(s):	Split Spoon
Drilling Method:	Hollow Stem Auger	DTW During Drilling (ft):	21.0
Drilling Equipment:	Truck Mounted Auger Rig	DTW After Drilling (ft):	N/A
Driller:	James	Ground Surface Elev. (ft):	
Logged By:	B. Dilba	Location (Lat, Long):	

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (ft)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft)
0								(0') Asphalt			0
								(0.5') Poorly graded SAND with silt (SP-SM); mostly fine-coarse grained sand, trace fine-coarse gravel, some silt. medium dense, moist, dark bluish-gray			
5				SS	14:27	2 2 2	1.50			B3-6	5
10				SS	14:31	3 3 4	1.50			B3-11	10
15				SS	14:36	6 6 5	1.50	(15') SILT (ML); trace fine gravel, little fine sand, mostly silt, nonplastic, medium stiff, moist, dark black		B3-16	15
20											20

NOTES:

Associated Environmental Group, LLC	Client: AEG-CLIENTS	BORING LOG
	Project: 21-110	Boring No. B-3
	Address: 7200 Fun Center Way, Tukwila, WA	Page: 2 of 2

Drilling Start Date:	02/11/2021 13:59	Boring Depth (ft):	26.5
Drilling End Date:	02/11/2021 14:49	Boring Diameter (in):	8.00
Drilling Company:	Cascade	Sampling Method(s):	Split Spoon
Drilling Method:	Hollow Stem Auger	DTW During Drilling (ft):	21.0
Drilling Equipment:	Truck Mounted Auger Rig	DTW After Drilling (ft):	N/A
Driller:	James	Ground Surface Elev. (ft):	
Logged By:	B. Dilba	Location (Lat. Long):	

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (ft)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft)
20				SS	14:40	9 9 911	1.50	(15') SILT (ML); trace fine gravel, little fine sand, mostly silt, nonplastic, medium stiff, moist, dark black (20.5') Poorly graded SAND with silt (SP-SM): mostly fine-coarse grained sand, trace fine-coarse gravel, some silt, medium dense, moist, dark bluish-gray		B3-21	20
25				SS	14:40	3 3 3	1.50			B3-25	25
								(26.5') Boring terminated			
30											30
35											35
40											40

NOTES:

Associated Environmental Group, LLC	Client: AEG-CLIENTS	BORING LOG
	Project: 21-110	Boring No. B-4
	Address: 7200 Fun Center Way, Tukwila, WA	Page: 1 of 2

Drilling Start Date:	02/12/2021 09:11	Boring Depth (ft):	26.5
Drilling End Date:	02/12/2021 10:05	Boring Diameter (in):	8.00
Drilling Company:	Cascade	Sampling Method(s):	Split Spoon
Drilling Method:	Hollow Stem Auger	DTW During Drilling (ft):	21.0
Drilling Equipment:	Truck Mounted Auger Rig	DTW After Drilling (ft):	N/A
Driller:	James	Ground Surface Elev. (ft):	
Logged By:	B. Dilba	Location (Lat, Long):	

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (ft)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft)
0								(0') Asphalt			0
								(0.5') Poorly graded SAND with silt (SP-SM); mostly fine-coarse grained sand, trace fine-coarse gravel, some silt, medium dense, moist, dark bluish-gray			
5				SS	09:15	7 1 6	1.50			B4-6	5
10				SS	09:20	3 3 3	1.50			B4-11	10
15				SS	09:25	6 5 5	1.50	(15') SILT (ML); trace fine gravel, little fine sand, mostly silt, nonplastic, medium stiff, moist, dark black		B4-16	15
20											20

NOTES:

Associated Environmental Group, LLC	Client: AEG-CLIENTS	BORING LOG
	Project: 21-110	Boring No. B-4
	Address: 7200 Fun Center Way, Tukwila, WA	Page: 2 of 2

Drilling Start Date:	02/12/2021 09:11	Boring Depth (ft):	26.5
Drilling End Date:	02/12/2021 10:05	Boring Diameter (in):	8.00
Drilling Company:	Cascade	Sampling Method(s):	Split Spoon
Drilling Method:	Hollow Stem Auger	DTW During Drilling (ft):	21.0
Drilling Equipment:	Truck Mounted Auger Rig	DTW After Drilling (ft):	N/A
Driller:	James	Ground Surface Elev. (ft):	
Logged By:	B. Dilba	Location (Lat, Long):	

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (ft)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft)
20				SS	09:29	7 8 8	1.50	(15') SILT (ML); trace fine gravel, little fine sand, mostly silt, nonplastic, medium stiff, moist, dark black (20.5') Poorly graded SAND with silt (SP-SM); mostly fine-coarse grained sand, trace fine-coarse gravel, some silt, medium dense, moist, dark bluish-gray		B4-21	20
25				SS	09:37	7 6 7	1.50			B4-26	25
								(26.5') Boring terminated			
30											30
35											35
40											40

NOTES:

Associated Environmental Group, LLC	Client: AEG-CLIENTS	BORING LOG
	Project: 21-110	Boring No. B-5
	Address: 7200 Fun Center Way, Tukwila, WA	Page: 1 of 2

Drilling Start Date:	02/12/2021 10:51	Boring Depth (ft):	9.0
Drilling End Date:	02/12/2021 11:20	Boring Diameter (in):	8.00
Drilling Company:	Cascade	Sampling Method(s):	Split Spoon
Drilling Method:	Hollow Stem Auger	DTW During Drilling (ft):	N/A
Drilling Equipment:	Truck Mounted Auger Rig	DTW After Drilling (ft):	N/A
Driller:	James	Ground Surface Elev. (ft):	
Logged By:	B. Dilba	Location (Lat, Long):	

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (ft)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft)
0								(0') Asphalt (0.5') Fill			0
5				SS	09:15	4 3 3	1.50			B5-6	5
								(7') Poorly graded SAND with silt (SP-SM); mostly fine-coarse grained sand, trace fine-coarse gravel, some silt, medium dense, moist, dark bluish-gray			
10								(9') Boring terminated			10
15											15
20											20

NOTES: Refusal at 9' due to unknown obstruction. No groundwater collected.

Libby Environmental, Inc.
3322 South Bay Road NE • Olympia, WA 98506-2957

February 26, 2021

Becky Dilba
Associated Environmental Group, LLC
2633 Parkmont Lane SW, Suite A
Olympia, WA 98502

Dear Ms. Dilba:

Please find enclosed the analytical data report for the Comfort Inn Tukwila Project located in Tukwila, Washington.

The results of the analyses are summarized in the attached tables. Applicable detection limits and QA/QC data are included. The sample(s) will be disposed of in 30 days unless we are contacted to arrange long term storage.

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
Senior Chemist
Libby Environmental, Inc.

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

Libby Environmental, Inc.

3322 South Bay Road NE
Olympia, WA 98506
Phone: (360) 352-2110
FAX: (360) 352-4154
Email: libbyenv@gmail.com

COMFORT INN TUKWILA PROJECT
AEG, LLC
Tukwila, Washington
Libby Project # L210216-1
Client Project # 21-110

Analyses of Total Metals in Soil by EPA Method 7010 Series

Sample Number	Date Analyzed	Lead (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Arsenic (mg/kg)
Method Blank	2/19/2021	nd	nd	nd	nd
B1-21	2/19/2021	9.0	nd	8.1	14
B2-21	2/19/2021	7.8	nd	nd	12
B3-21	2/19/2021	nd	nd	nd	5.6
B4-21	2/19/2021	nd	nd	nd	nd
B5-6	2/19/2021	150	1.1	28	31
B5-6 Dup	2/19/2021	170	1.0	33	33
Practical Quantitation Limit		5.0	1.0	5.0	5.0

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

ANALYSES PERFORMED BY: Sherry Chilcutt

QA/QC for Total Metals in Soil by EPA Method 7010 Series

Sample Number	Date Analyzed	Lead (% Recovery)	Cadmium (% Recovery)	Chromium (% Recovery)	Arsenic (% Recovery)
LCS	2/19/2021	106%	111%	89%	84%
B5-6 MS	2/19/2021	int	98%	int	100%
B5-6 MSD	2/19/2021	int	120%	int	int
RPD	2/19/2021	int	20%	int	int
Post Spike	2/19/2021	100%	N/A	119%	101%

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 75%-125%
ACCEPTABLE RPD IS 20%

ANALYSES PERFORMED BY: Sherry Chilcutt

Libby Environmental, Inc.

3322 South Bay Road NE
Olympia, WA 98506
Phone: (360) 352-2110
FAX: (360) 352-4154
Email: libbyenv@gmail.com

COMFORT INN TUKWILA PROJECT
AEG, LLC
Tukwila, Washington
Libby Project # L210216-1
Client Project # 21-110

Analyses of Total Mercury in Soil by EPA Method 7471

Sample Number	Date Analyzed	Mercury (mg/kg)
Method Blank	2/23/2021	nd
B1-21	2/23/2021	nd
B2-21	2/23/2021	nd
B3-21	2/23/2021	nd
B4-21	2/23/2021	nd
B5-6	2/23/2021	nd
B5-6 Dup	2/23/2021	nd
Practical Quantitation Limit		0.5

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

ANALYSES PERFORMED BY: Sherry Chilcutt

QA/QC for Total Mercury by EPA Method 7471

Sample Number	Date Analyzed	Mercury (% Recovery)
LCS	2/23/2021	104%
B5-6 MS	2/23/2021	96%
B5-6 MSD	2/23/2021	112%
RPD	2/23/2021	15%

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 75%-125%
ACCEPTABLE RPD IS 20%

ANALYSES PERFORMED BY: Sherry Chilcutt

Libby Environmental, Inc.

3322 South Bay Road NE
Olympia, WA 98506
Phone: (360) 352-2110
FAX: (360) 352-4154
Email: libbyenv@gmail.com

COMFORT INN TUKWILA PROJECT
AEG, LLC
Tukwila, Washington
Libby Project # L210216-1
Client Project # 21-110

Analyses of Total Metals in Water by EPA Method 7010 Series

Sample Number	Date Analyzed	Lead (µg/L)	Cadmium (µg/L)	Chromium (µg/L)	Arsenic (µg/L)
Method Blank	2/19/2021	nd	nd	nd	nd
B1-W	2/19/2021	150	4.0	21	150
B2-W	2/19/2021	79	10	nd	47
B3-W	2/19/2021	84	4.1	13	88
B4-W	2/19/2021	15	1.5	nd	72
B4-W Dup	2/19/2021	13	1.3	nd	75
Practical Quantitation Limit		5.0	0.5	5.0	3.0

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

ANALYSES PERFORMED BY: Sherry Chilcutt

QA/QC for Total Metals in Water by EPA Method 7010 Series

Sample Number	Date Analyzed	Lead (% Recovery)	Cadmium (% Recovery)	Chromium (% Recovery)	Arsenic (% Recovery)
LCS	2/19/2021	103%	107%	92%	99%
B4-W MS	2/19/2021	114%	95%	124%	109%
B4-W MSD	2/19/2021	106%	87%	111%	114%
RPD	2/19/2021	7%	9%	11%	4%

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 75%-125%
ACCEPTABLE RPD IS 20%

ANALYSES PERFORMED BY: Sherry Chilcutt

Libby Environmental, Inc.

3322 South Bay Road NE
Olympia, WA 98506
Phone: (360) 352-2110
FAX: (360) 352-4154
Email: libbyenv@gmail.com

COMFORT INN TUKWILA PROJECT
AEG, LLC
Libby Project # L210216-1
Date Received 2/16/21 12:00

Received By KLI

Sample Receipt Checklist

Chain of Custody

1. Is the Chain of Custody complete?	☑ Yes	☐ No	
2. How was the sample delivered?	☐ Hand Delivered	☑ Picked Up	☐ Shipped

Log In

3. Cooler or Shipping Container is present.	☑ Yes	☐ No	☐ N/A
4. Cooler or Shipping Container is in good condition.	☑ Yes	☐ No	☐ N/A
5. Cooler or Shipping Container has Custody Seals present.	☐ Yes	☑ No	☐ N/A
6. Was an attempt made to cool the samples?	☑ Yes	☐ No	☐ N/A
7. Temperature of cooler (0°C to 8°C recommended)	-3.5 °C		
8. Temperature of sample(s) (0°C to 8°C recommended)	4.2 °C		
9. Did all containers arrive in good condition (unbroken)?	☑ Yes	☐ No	
10. Is it clear what analyses were requested?	☑ Yes	☐ No	
11. Did container labels match Chain of Custody?	☑ Yes	☐ No	
12. Are matrices correctly identified on Chain of Custody?	☑ Yes	☐ No	
13. Are correct containers used for the analysis indicated?	☑ Yes	☐ No	
14. Is there sufficient sample volume for indicated analysis?	☑ Yes	☐ No	
15. Were all containers properly preserved per each analysis?	☑ Yes	☐ No	
16. Were VOA vials collected correctly (no headspace)?	☐ Yes	☐ No	☑ N/A
17. Were all holding times able to be met?	☑ Yes	☐ No	

Discrepancies/ Notes

18. Was client notified of all discrepancies? ☐ Yes ☐ No ☑ N/A

Person Notified: _____ Date: _____

By Whom: _____ Via: _____

Regarding: _____

19. Comments. _____

Libby Environmental, Inc.

3322 South Bay Road NE
Olympia, WA 98506
Ph: 360-352-2110
Fax: 360-352-4154

www.LibbyEnvironmental.com

Chain of Custody Record

Date: 2/16/21 Page: 1 of 2

Client: AEG
Address:
City: State: Zip:
Phone: Fax:
Client Project # 21-110

Project Manager: B.D
Project Name: [illegible]
Location: City, State: [illegible]
Collector: BO Date of Collection: 2/11/21
Email: [illegible]

	Sample Number	Depth	Time	Sample Type	Container Type	VOC 8260	PCE & Daughter Prod.	NWTPH-Gx	BTEX (8260) / (8021)	NWTPH-HCID	NWTPH-Dx / Dx	PCB 8082	MTCA 5 Metals	RCRA 8 Metals	c PAH 8270	PAH 8270	Semi Vol 8270				Field Notes
1	B1-6	6	1010																		
2	B1-11	11	1015																		
3	B1-16	16	1022																		
4	B1-21	21	1029										X								
5	B1-26	26	1035																		
6	B1-W	—	1053										X								
7	B2-6	6	1156																		
8	B2-11	11	1205																		
9	B2-16	16	1208																		
10	B2-21	21	1214										X								
11	B2-26	26	1223																		
12	B2-W	—	1310										X								
13	B3-6	6	1427																		
14	B3-11	11	1431																		
15	B3-16	16	1437																		
16	B3-21		1440										X								
17	B3-26		1441																		

Relinquished by:	Date / Time	Received by:	Date / Time
[signature]	2/16/21	[signature]	2-16-21 1200

Sample Receipt
Good Condition? Y N
Cooler Temp. °C
Sample Temp. °C
Total Number of Containers

Remarks: 2-16-21 ANALYSIS ADDED PER BECKY VIA EMAIL.

TAT: 24HR 48HR (5-DAY)

Distribution: White - Lab, Yellow - Originator

Libby Environmental, Inc.

3322 South Bay Road NE
Olympia, WA 98506
Ph: 360-352-2110
Fax: 360-352-4154

Chain of Custody Record

www.LibbyEnvironmental.com

Date: 2/16/21 Page: 2 of 2

Client: BEY
Project Manager: BD
Address:
Project Name: Commencement Bay Tideflats
City: State: Zip:
Location: City, State: Tacoma, WA
Phone: Fax:
Collector: BD Date of Collection: 2/11 - 2/12/21
Client Project # 21-110
Email:

	Sample Number	Depth	Time	Sample Type	Container Type	VOC 8260	PCE & Daughter Prod.	NWTPH-Gx	BTEX (8260) / (8021)	NWTPH-HCID	NWTPH-Dx / Dx	PCB 8082	MTCA 5 Metals	RCRA 8 Metals	c PAH 8270	PAH 8270	Semi Vol 8270			Field Notes
1	B3-W	—		H2O								X								2/11/21
2	B4-6	6		SO																2/12/21
3	B4-11	11		SO																
4	B4-16	16		SO																
5	B4-21	21		SO								X								
6	B4-26	26		SO																
7	B4-W	—		H2O								X								
8	B5-6	6		SO								X								
9																				
10																				
11																				
12																				
13																				
14																				
15																				
16																				
17																				

Relinquished by:	Date / Time	Received by:	Date / Time
	2/16/21	Kristina Kral 2-16-21	1200
Relinquished by:	Date / Time	Received by:	Date / Time
Relinquished by:	Date / Time	Received by:	Date / Time

Sample Receipt

Good Condition?	Y	N
Cooler Temp.		°C
Sample Temp.		°C
Total Number of Containers		

Remarks: 2-16-21 ANALYSIS ADDED PER BECKY VIA EMAIL.

TAT: 24HR 48HR 5-DAY

LEGAL ACTION CLAUSE: *In the event of default of payment and/or failure to pay, Client agrees to pay the costs of collection including court costs and reasonable attorney fees to be determined by a court of law.*

Distribution: White - Lab, Yellow - Originator

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Libby Environmental
Kodey Eley
3322 South Bay Road NE
Olympia, WA 98506

RE: Comfort Inn Tukwila
Work Order Number: 2102274

February 25, 2021

Attention Kodey Eley:

Fremont Analytical, Inc. received 4 sample(s) on 2/18/2021 for the analyses presented in the following report.

Mercury by EPA Method 245.1

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

Fremont Analytical

Date: *02/25/2021*

CLIENT: Libby Environmental
Project: Comfort Inn Tukwila
Work Order: 2102274

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2102274-001	B1-W	02/11/2021 10:59 AM	02/18/2021 11:54 AM
2102274-002	B2-W	02/11/2021 1:10 PM	02/18/2021 11:54 AM
2102274-003	B3-W	02/11/2021 11:20 AM	02/18/2021 11:54 AM
2102274-004	B4-W	02/11/2021 9:55 AM	02/18/2021 11:54 AM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

Original

Case Narrative

WO#: **2102274**
Date: **2/25/2021**

CLIENT: Libby Environmental
Project: Comfort Inn Tukwila

I. SAMPLE RECEIPT:
Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:
Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:
Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

* - Flagged value is not within established control limits
B - Analyte detected in the associated Method Blank
D - Dilution was required
E - Value above quantitation range
H - Holding times for preparation or analysis exceeded
I - Analyte with an internal standard that does not meet established acceptance criteria
J - Analyte detected below Reporting Limit
N - Tentatively Identified Compound (TIC)
Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF)
S - Spike recovery outside accepted recovery limits
ND - Not detected at the Reporting Limit
R - High relative percent difference observed

Acronyms:

%Rec - Percent Recovery
CCB - Continued Calibration Blank
CCV - Continued Calibration Verification
DF - Dilution Factor
DUP - Sample Duplicate
HEM - Hexane Extractable Material
ICV - Initial Calibration Verification
LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
MB or MBLANK - Method Blank
MDL - Method Detection Limit
MS/MSD - Matrix Spike / Matrix Spike Duplicate
PDS - Post Digestion Spike
Ref Val - Reference Value
REP - Sample Replicate
RL - Reporting Limit
RPD - Relative Percent Difference
SD - Serial Dilution
SGT - Silica Gel Treatment
SPK - Spike
Surr - Surrogate

CLIENT: Libby Environmental
Project: Comfort Inn Tukwila

Lab ID: 2102274-001 **Collection Date:** 2/11/2021 10:59:00 AM
Client Sample ID: B1-W **Matrix:** Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Mercury by EPA Method 245.1				Batch ID: 31462		Analyst: LB
Mercury	ND	0.100		µg/L	1	2/24/2021 3:15:39 PM

Lab ID: 2102274-002 **Collection Date:** 2/11/2021 1:10:00 PM
Client Sample ID: B2-W **Matrix:** Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Mercury by EPA Method 245.1				Batch ID: 31462		Analyst: LB
Mercury	ND	0.100		µg/L	1	2/24/2021 3:17:20 PM

Lab ID: 2102274-003 **Collection Date:** 2/11/2021 11:20:00 AM
Client Sample ID: B3-W **Matrix:** Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Mercury by EPA Method 245.1				Batch ID: 31474		Analyst: LB
Mercury	0.328	0.100		µg/L	1	2/25/2021 2:06:37 PM

Lab ID: 2102274-004 **Collection Date:** 2/11/2021 9:55:00 AM
Client Sample ID: B4-W **Matrix:** Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Mercury by EPA Method 245.1				Batch ID: 31462		Analyst: LB
Mercury	ND	0.100		µg/L	1	2/24/2021 3:20:43 PM

Fremont Analytical

Date: 2/25/2021

Work Order: 2102274
CLIENT: Libby Environmental
Project: Comfort Inn Tukwila

QC SUMMARY REPORT

Mercury by EPA Method 245.1

Sample ID: MB-31462	SampType: MBLK			Units: µg/L		Prep Date: 2/24/2021			RunNo: 65492		
Client ID: MBLKW	Batch ID: 31462					Analysis Date: 2/24/2021			SeqNo: 1317421		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.100									

Sample ID: LCS-31462	SampType: LCS			Units: µg/L		Prep Date: 2/24/2021			RunNo: 65492		
Client ID: LCSW	Batch ID: 31462					Analysis Date: 2/24/2021			SeqNo: 1317422		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	2.63	0.100	2.500	0	105	85	115				

Sample ID: 2102236-002CDUP	SampType: DUP			Units: µg/L		Prep Date: 2/24/2021			RunNo: 65492		
Client ID: BATCH	Batch ID: 31462					Analysis Date: 2/24/2021			SeqNo: 1317424		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.100						0		20	

Sample ID: 2102236-002CMS	SampType: MS			Units: µg/L		Prep Date: 2/24/2021			RunNo: 65492		
Client ID: BATCH	Batch ID: 31462					Analysis Date: 2/24/2021			SeqNo: 1317425		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	2.64	0.100	2.500	0	106	70	130				

Sample ID: 2102236-002CMSD	SampType: MSD			Units: µg/L		Prep Date: 2/24/2021			RunNo: 65492		
Client ID: BATCH	Batch ID: 31462					Analysis Date: 2/24/2021			SeqNo: 1317426		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	2.68	0.100	2.500	0	107	70	130	2.640	1.50	20	

Fremont Analytical

Date: 2/25/2021

Work Order: 2102274
CLIENT: Libby Environmental
Project: Comfort Inn Tukwila

QC SUMMARY REPORT
Mercury by EPA Method 245.1

Sample ID: MB-31474	SampType: MBLK			Units: µg/L		Prep Date: 2/25/2021			RunNo: 65518	
Client ID: MBLKW	Batch ID: 31474					Analysis Date: 2/25/2021			SeqNo: 1317849	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.100									

Sample ID: LCS-31474	SampType: LCS			Units: µg/L		Prep Date: 2/25/2021			RunNo: 65518	
Client ID: LCSW	Batch ID: 31474					Analysis Date: 2/25/2021			SeqNo: 1317850	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	2.48	0.100	2.500	0	99.2	85	115				

Sample ID: 2102353-001EDUP	SampType: DUP			Units: µg/L		Prep Date: 2/25/2021			RunNo: 65518	
Client ID: BATCH	Batch ID: 31474					Analysis Date: 2/25/2021			SeqNo: 1317853	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.100						0		20	

Sample ID: 2102353-001EMS	SampType: MS			Units: µg/L		Prep Date: 2/25/2021			RunNo: 65518	
Client ID: BATCH	Batch ID: 31474					Analysis Date: 2/25/2021			SeqNo: 1317854	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	2.30	0.100	2.500	0	92.0	70	130				

Sample ID: 2102353-001EMSD	SampType: MSD			Units: µg/L		Prep Date: 2/25/2021			RunNo: 65518	
Client ID: BATCH	Batch ID: 31474					Analysis Date: 2/25/2021			SeqNo: 1317855	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	2.38	0.100	2.500	0	95.2	70	130	2.300	3.42	20	

Sample Log-In Check List

Client Name:	**LIBBY**	Work Order Number:	**2102274**
Logged by:	**Gabrielle Coeuille**	Date Received:	**2/18/2021 11:54:00 AM**

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2.	How was the sample delivered?	UPS		

Log In

3.	Coolers are present?	Yes ☑	No ☐	NA ☐
4.	Shipping container/cooler in good condition?	Yes ☑	No ☐	
5.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	Yes ☐	No ☐	Not Present ☑
6.	Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
7.	Were all items received at a temperature of >2°C to 6°C *	Yes ☑	No ☐	NA ☐
8.	Sample(s) in proper container(s)?	Yes ☑	No ☐	
9.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
10.	Are samples properly preserved?	Yes ☑	No ☐	
11.	Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
12.	Is there headspace in the VOA vials?	Yes ☐	No ☐	NA ☑
13.	Did all samples containers arrive in good condition(unbroken)?	Yes ☑	No ☐	
14.	Does paperwork match bottle labels?	Yes ☑	No ☐	
15.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
16.	Is it clear what analyses were requested?	Yes ☑	No ☐	
17.	Were all holding times able to be met?	Yes ☑	No ☐	

Special Handling (if applicable)

18.	Was client notified of all discrepancies with this order?	Yes ☐	No ☐	NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

19. Additional remarks:

Item Information

Item #	Temp °C
Sample 1	3.3

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

2102274

Libby Environmental, Inc.

3322 South Bay Road NE
Olympia, WA 98506
Ph: 360-352-2110
Fax: 360-352-4154
www.LibbyEnvironmental.com

Chain of Custody Record

Client: Libby Environmental, Inc.	Date: 2-17-21
Address: see above	Page: 1 of 1
City: State: Zip:	Project Manager: Kaley Eley
Phone: Fax:	Project Name: COMFORT INN TUKWILA
Client Project # L210216-1	Location:
	City, State: Tukwila, WA
	Collector: BD
	Date of Collection: 2/11/21
	Email: libbyenv@Gmail.com

	Sample Number	Depth	Time	Sample Type	Container Type	VOC 8260	PCE & Daughter Prod.	NWTPH-Gx	BTEX (8260) / (8021)	NWTPH-HCID	NWTPH-Dx / Dx	PCB 8082	MTCA 5 Metals	RCRA 8 Metals	c PAH 8270	PAH 8270	Sem Vol 8270	Total Hg			Field Notes
1	B1-W	—	1059	H2O	Poly													X			
2	B2-W	—	1310															X			
3	B3-W	—	1126															X			
4	B4-W	—	0955															X			
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					
13																					
14																					
15																					
16																					
17																					

Relinquished by:	Date / Time	Received by:	Date / Time
[signature]	2/17/21 1145	UPS	
Relinquished by: UPS	Date / Time	Received by: [signature]	Date / Time: 2/18/21 [illegible]
Relinquished by:	Date / Time	Received by:	Date / Time

Sample Receipt		
Good Condition?	Y	N
Cooler Temp.		°C
Sample Temp. -		°C
Total Number of Containers		

Remarks: Standard TAT

TAT: 24HR 48HR 5-DAY