



November 16, 2016

Steve Clair  
Tacoma Housing Authority  
902 South L Street  
Tacoma, WA 98405

Subject: Bay Terrace Phase II Development – additional monitoring

Dear Mr. Clair,

This letter discusses completion of additional groundwater monitoring activities at the Tacoma Housing Authority's (THA) Bay Terrace Phase II Development in Tacoma, Washington. In February, we observed the excavation of diesel-range petroleum contamination and collected confirmation samples. A follow-up monitoring well drilling investigation (which installed Well BT2) showed groundwater in the vicinity of the historical contamination plume. In April 2016, THA subsequently applied to the Washington State Department of Ecology's (Ecology) Voluntary Cleanup Program (VCP) to achieve a no-further-action (NFA) status regarding the plume.

In October 2016, Ecology recommended an additional round of groundwater monitoring from the well including analysis of carcinogenic polycyclic aromatic hydrocarbons (cPAHs) following the MTCA Table 830-1 for diesel-range petroleum releases. The letter below describes the additional sampling of the well. Figure 1, attached, displays the vicinity of the subject. Figure 2, attached, displays detail of the site.

## Groundwater Sampling

On October 20, Robinson Noble performed quarterly monitoring of Well BT2. Prior to sampling, a water-level sounder was placed into the well. We measured a static water level of 28.27 feet below the top of casing, which is approximately 12 feet lower than the prior sampling in March. The water level difference suggests the water table below the site is a perched zone, and watch levels are seasonally dependent upon precipitation.

Following measurement of the water level, we purged and sampled the well using a low-flow bladder pump and new polyethylene tubing. During purging, groundwater quality stabilization parameters of temperature, pH, conductivity, dissolved oxygen, oxidation-reduction potential (ORP), turbidity, and total dissolved solids were monitored. After 33 minutes of purging, the water quality parameters stabilized, and one ½-liter amber and one 1-liter amber containers were filled.

The samples were delivered to Libby Environmental (Libby) on October 21 for analysis of diesel-range petroleum hydrocarbons using NWTPH-Dx/Dx Extended methods and total carcinogenic polyaromatic hydrocarbons (cPAHs) and naphthalene using EPA Test Method 8270. A summary of the analytical methods is included below.

### Ecology Test Method NWTPH-Dx/Dx Extended

NWTPH-Dx is the qualitative and quantitative method (extended) for semi-volatile ("diesel") petroleum products in soil and water. Petroleum products applicable for this include jet fuels, kerosene, diesel oils, hydraulic fluids, mineral oils, lubricating oils, and fuel oils. NWTPH-Dx adapts Oregon's TPH, Washington's WTPH, and EPA SW-846 Methods 3510, 3540/3550, and 8000

and covers the quantitative and qualitative analysis of semi-volatile petroleum products (i.e., jet fuels through heavy fuel oils) in soil and water.

#### EPA Test Method 8270

Method 8270 is used to determine concentrations of carcinogenic polycyclic aromatic hydrocarbons (cPAHs) and semi-volatiles in soil and groundwater. It uses gas chromatography/mass spectrometry to measure the breakdown fractions of a compound and reports a more accurate concentration than other test methods. Specifically, test method 8270 can utilize selected ion monitoring (SIM) to increase the sensitivity of the analytical instrumentation and allow for quantitation at lower concentrations.

### Analytical Results

Libby analyzed the samples for diesel- and oil-range petroleum hydrocarbons on October 24. Libby subcontracted the 8270 analysis to Fremont Analytical. Fremont obtained the sample on October 25, and it was analyzed on November 1. The results of the analysis are presented in Table 1, below. The results were compared to the Model Toxics Control Act (MTCA) Method A cleanup levels for groundwater using MTCA Table 720-1. Additionally, cPAHs were calculated using toxicity equivalency factors (TEF) using MTCA Table 708-2 for benzo(a)pyrene equivalency. For the TEF equivalency (TEQ) calculations, where cPAH's were non-detect, values used in calculations were one half the detection levels (Table 2, below).

Table 1. Analytical results summary for MW BT2

Analyte	Analytical Results (ug/L)	MTCA Method A Cleanup Levels
Diesel	<200	500
Oil	<400	500
Naphthalene	<0.10	160
Benzo(a)pyrene	<0.10	0.10
Total cPAHs TEQ*	0.0755	0.10

\*TEQ calculations presented in Table 2, below

Table 2. cPAH equivalency calculations

Analyte	Analytical Results (ug/L)	Correction for non-detect	Toxicity equivalency factor	Result (ug/L)
Benzo(a)pyrene	<0.10	0.05	1	0.05
Benzo(a)anthracene	<0.10	0.05	0.1	0.005
Benzo(b)fluoranthene	<0.10	0.05	0.1	0.005
Benzo(k)fluoranthene	<0.10	0.05	0.1	0.005
Chrysene	<0.10	0.05	0.01	0.0005
Dibenzo(a,h)anthracene	<0.10	0.05	0.1	0.005
Indeno(1,2,3cd)pyrene	<0.10	0.05	0.1	0.005
Total TEQ Benzo(a)pyrene equivalency				0.0755

As shown in Tables 1 and 2, all target analytes were reported below detection levels and the respective MTCA Method A cleanup levels. These results are consistent with the previous monitoring event, which also was reported non-detect for target analytes of diesel- and oil-range petroleum hydrocarbons.

## Discussion

In February 2016, approximately 87 tons of petroleum contaminated soils were excavated from the soil plume. Confirmation samples collected from the sidewalls and pit bottom of the excavation were all reported non-detect for target diesel-range petroleum hydrocarbons. Analysis of soils from that investigation showed the target analytes to be solely diesel-range hydrocarbons as there were no detections of oil, gasoline, benzene, toluene, ethylbenzene, total xylenes, naphthalene, EDB, EDC, or MTBE in any of the samples analyzed. The results of the current and previous groundwater investigations show groundwater below the site has not been impacted by this historical soil plume of diesel-range hydrocarbons.

As presented in our Independent Remedial Action Report (April 2016), the area of the soil excavation was previously residential. The historical residential address is 2530 South G Street in Tacoma. The records indicate the residence at 2530 South G Street was built in 1891 and demolished in 1971. The prior residential use of the subject property, when combined with the analytical results of solely diesel-range petroleum hydrocarbons, suggest the historical plume was related to a release of heating oil. During the excavation no underground storage tank (UST) was encountered, suggesting either an above-ground tank or prior historical removal of a UST related to the building demolition in 1971.

The property is at an elevation of approximately 250 feet above sea level. Shallow soils are comprised of fill, sand and gravel, ice-contact, and glacial till sediments. The groundwater encountered below the subject is within a perched zone of the till, and it is not the source of drinking water for any surrounding wells. Analytical results from post-remedial excavation soil and groundwater samples are below detection levels and MTCA Method A cleanup levels. Further, there is no risk of vapor intrusion. Based on these factors, it appears a no-further-action determination from the Washington State Department of Ecology is warranted.

## Closing

The results of this investigation, as with the prior monitoring well sampling and prior soil remediation, show the diesel-range petroleum hydrocarbon plume on the site has been appropriately remediated to below detection levels and the site meets MTCA Method A cleanup levels for soil and groundwater criteria. Based on the absence of residual soil contamination and the lack of groundwater impacts, there is no risk of vapor intrusion from the historical release. Information obtained during the course of this study suggest the release was likely related to residential heating-oil use as diesel-range petroleum hydrocarbons are the only analytes detected to date and the area of the release was residentially used from 1891 to 1971.

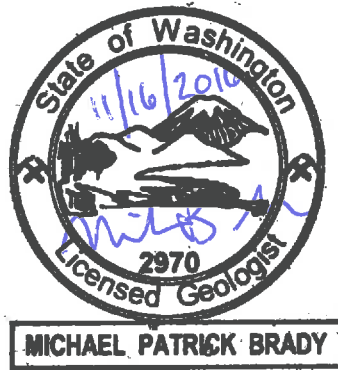
Steve Clair  
Tacoma Housing Authority  
November 16, 2016  
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We will submit a copy of this report, as well as the necessary EIM data, to Ecology for formal review. Based on the results, it appears a NFA determination from Ecology appears warranted.

Thank you for allowing us the opportunity to assist you in this matter. If you have questions or need additional information, please contact us at 475-7711.

Respectfully submitted,  
Robinson Noble, Inc.

  
Michael P. Brady LG  
Senior Project Geologist



Enclosures:

Figure 1 – Site Location Map

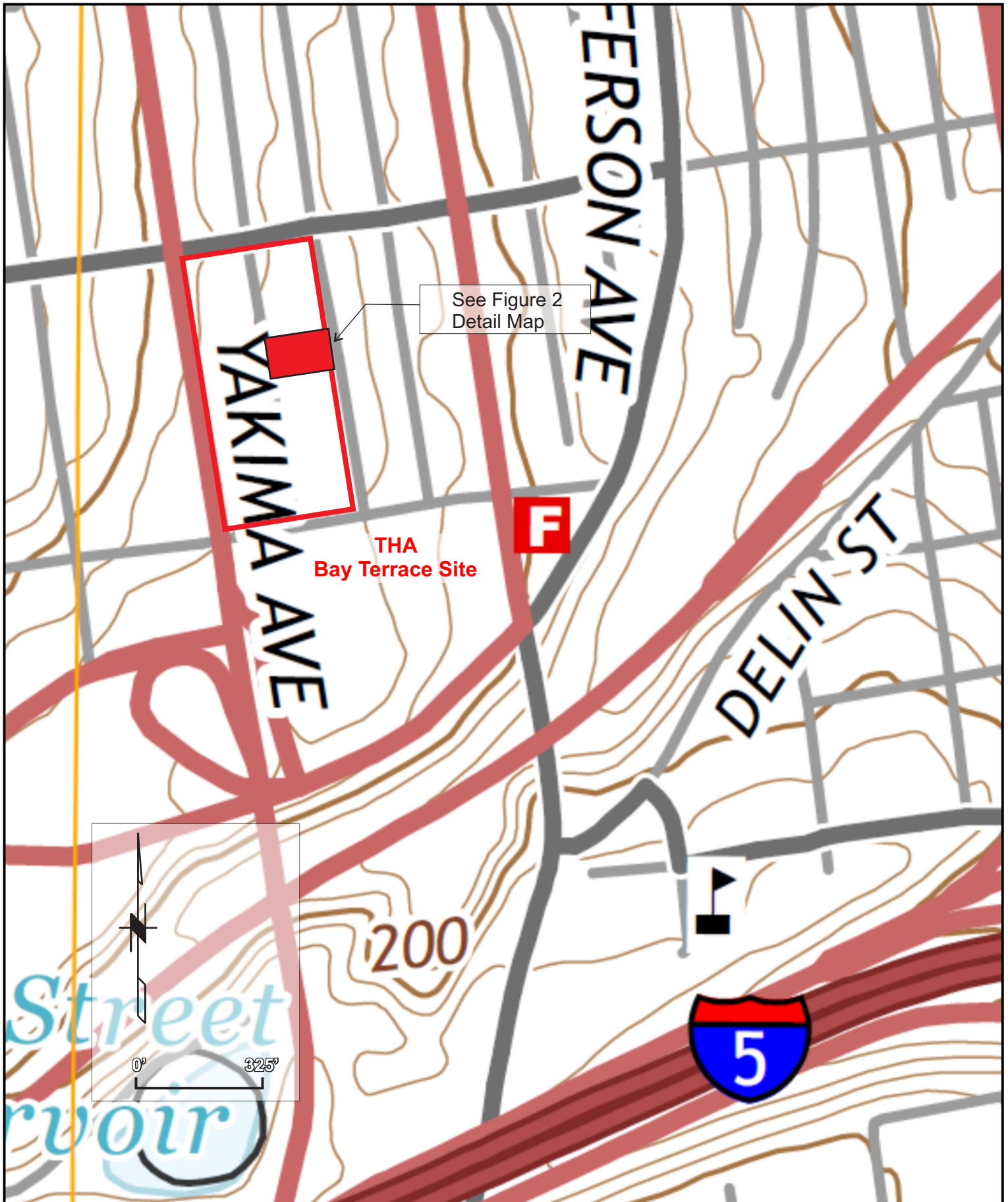
Figure 2 – Monitoring Well Location Detail Map

Laboratory Analytical Results

*The statements, conclusions, and recommendations provided in this report are to be exclusively used within the context of this document. They are based upon generally accepted hydrogeologic and environmental practices and are the result of analysis by Robinson Noble, Inc. staff. This report, and any attachments to it, is for the exclusive use of the Tacoma Housing Authority. Unless specifically stated in the document, no warranty, expressed or implied, is made.*

## ATTACHMENTS

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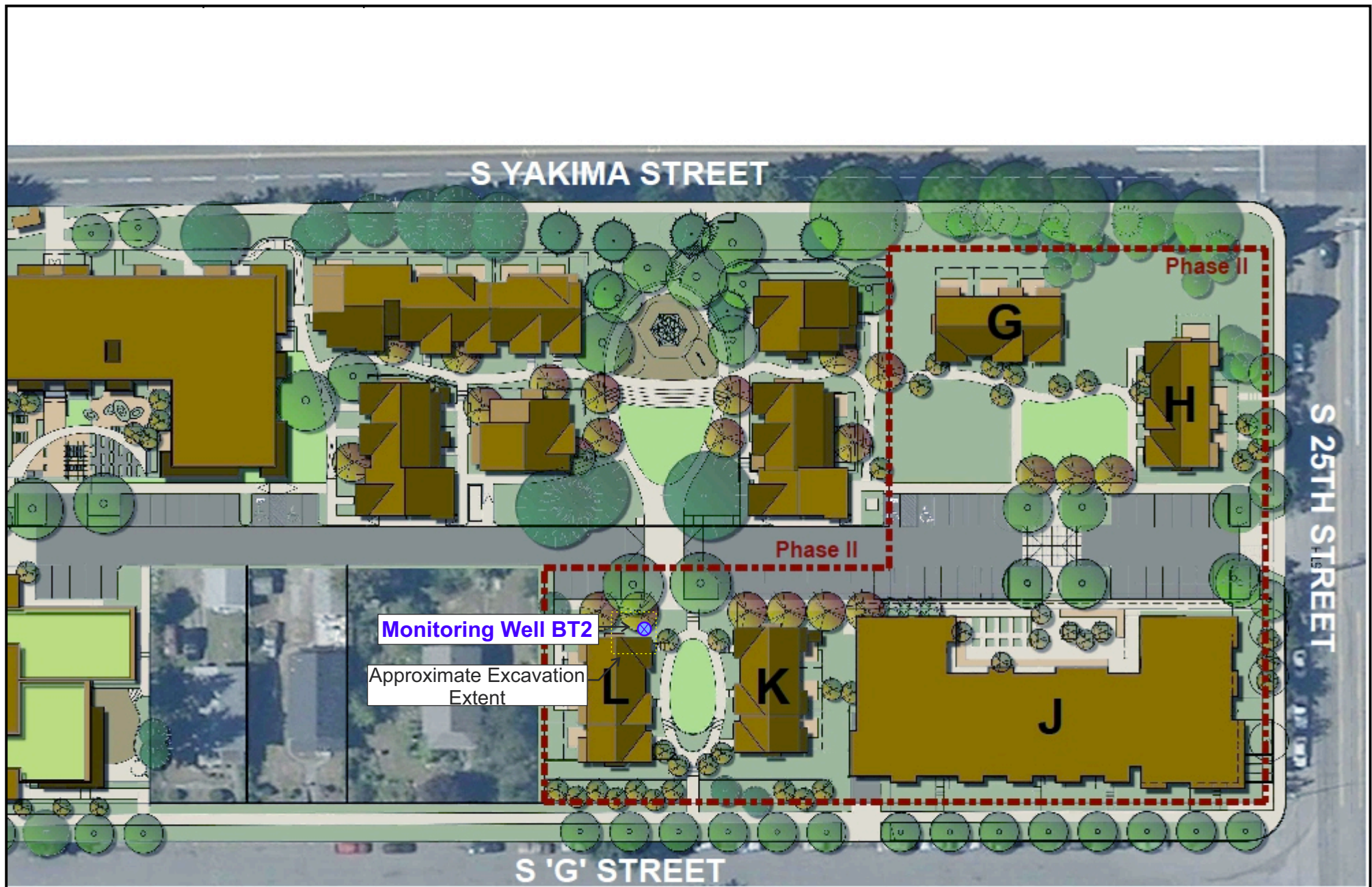
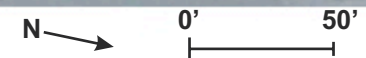


Image source: Tacoma Housing Authority and GGLO Design



Note: Basemap  
modified THA/  
GGLO Design

PM: MPB  
Nov. 2016  
2183-007G

Pierce County  
T 20 N/R 03 E - 08  
Scale 1" = 15'

Figure 2

Monitoring Well Location Map

Tacoma Housing Authority: Bay Terrace Ph. 2 Excavation





# Libby Environmental, Inc.

4139 Libby Road NE • Olympia, WA 98506-2518

November 8, 2016

Mike Brady  
Robinson Noble  
2105 South C Street  
Tacoma, WA 98402

Dear Mr. Brady:

Please find enclosed the analytical data report for the THA-Bay Terrace Project located in Tacoma, 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@aol.com](mailto:libbyenv@aol.com)

[www.LibbyEnvironmental.com](http://www.LibbyEnvironmental.com)



# Libby Environmental, Inc.

THA - BAY TERRACE PROJECT

Robinson Noble

Tacoma, Washington

Libby Project # L161021-7

Client Project # 2183-007G

4139 Libby Road NE

Olympia, WA 98506

Phone: (360) 352-2110

FAX: (360) 352-4154

Email: libbyenv@aol.com

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

Sample Number	Date Analyzed	Surrogate Recovery (%)	Diesel (µg/l)	Oil (µg/l)
Method Blank	10/24/16	100	nd	nd
BT-2	10/24/16	99	nd	nd
Practical Quantitation Limit			200	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: Kodey Eley



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

**Libby Environmental**  
Sherry Chilcutt  
4139 Libby Rd. NE  
Olympia, WA 98506

**RE: THA-Bay Terrace**  
**Work Order Number: 1610364**

November 01, 2016

**Attention Sherry Chilcutt:**

Fremont Analytical, Inc. received 1 sample(s) on 10/25/2016 for the analyses presented in the following report.

***Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)***

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,

A handwritten signature in black ink, appearing to read "Chelsea Ward".

Chelsea Ward  
Project Manager



Date: 11/01/2016

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**CLIENT:** Libby Environmental  
**Project:** THA-Bay Terrace  
**Work Order:** 1610364

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## Work Order Sample Summary

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Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1610364-001	BT-2	10/20/2016 4:15 PM	10/25/2016 10:44 AM

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## Case Narrative

WO#: 1610364

Date: 11/1/2016

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**CLIENT:** Libby Environmental

**Project:** THA-Bay Terrace

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### 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
- 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
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



## Analytical Report

Work Order: 1610364

Date Reported: 11/1/2016

Client: Libby Environmental

Collection Date: 10/20/2016 4:15:00 PM

Project: THA-Bay Terrace

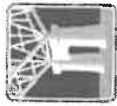
Lab ID: 1610364-001

Matrix: Water

Client Sample ID: BT-2

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b><u>Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)</u></b>				Batch ID: 15240		Analyst: BT
Naphthalene	ND	0.100		µg/L	1	11/1/2016 3:57:42 AM
Benz(a)anthracene	ND	0.100		µg/L	1	11/1/2016 3:57:42 AM
Chrysene	ND	0.100		µg/L	1	11/1/2016 3:57:42 AM
Benzo(b)fluoranthene	ND	0.100		µg/L	1	11/1/2016 3:57:42 AM
Benzo(k)fluoranthene	ND	0.100		µg/L	1	11/1/2016 3:57:42 AM
Benzo(a)pyrene	ND	0.100		µg/L	1	11/1/2016 3:57:42 AM
Indeno(1,2,3-cd)pyrene	ND	0.100		µg/L	1	11/1/2016 3:57:42 AM
Dibenz(a,h)anthracene	ND	0.100		µg/L	1	11/1/2016 3:57:42 AM
Surr: 2-Fluorobiphenyl	84.4	31.2-159		%Rec	1	11/1/2016 3:57:42 AM
Surr: Terphenyl-d14 (surr)	72.8	32.4-141		%Rec	1	11/1/2016 3:57:42 AM





**Fremont**  
Analytical

Date: 11/1/2016

Work Order: 1610364

CLIENT: Libby Environmental

Project: THA-Bay Terrace

**QC SUMMARY REPORT**  
**Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)**

Sample ID	MB-15240	SampType: MBLK	Units: µg/L	Prep Date: 10/26/2016	RunNo: 32643						
Client ID:	MBLKW	Batch ID: 15240		Analysis Date: 11/1/2016	SeqNo: 618214						
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	0.100									
Benz(a)anthracene	ND	0.100									
Chrysene	ND	0.100									
Benzo(b)fluoranthene	ND	0.100									
Benzo(k)fluoranthene	ND	0.100									
Benzo(a)pyrene	ND	0.100									
Indeno(1,2,3-cd)pyrene	ND	0.100									
Dibenz(a,h)anthracene	ND	0.100									
Surr: 2-Fluorobiphenyl	1.73		2.000		86.3	31.2	159				
Surr: Terphenyl-d14	1.75		2.000		87.6	32.4	141				

Sample ID	LCS-15240	SampType: LCS	Units: µg/L		Prep Date: 10/26/2016	RunNo: 32643					
Client ID:	LCSW	Batch ID: 15240			Analysis Date: 11/1/2016	SeqNo: 618215					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	2.84	0.100	4.000	0	70.9	26.7	106				
Benz(a)anthracene	2.39	0.100	4.000	0	59.9	42.8	125				
Chrysene	1.94	0.100	4.000	0	48.6	40.7	120				
Benzo(b)fluoranthene	1.62	0.100	4.000	0	40.6	25.9	132				
Benzo(k)fluoranthene	1.27	0.100	4.000	0	31.8	25.1	118				
Benzo(a)pyrene	1.36	0.100	4.000	0	34.1	22.7	127				
Indeno(1,2,3-cd)pyrene	0.944	0.100	4.000	0	23.6	21.3	131				
Dibenz(a,h)anthracene	0.880	0.100	4.000	0	22.0	21.3	137				
Surr: 2-Fluorobiphenyl	1.13		2.000		56.4	31.2	159				
Surr: Terphenyl-d14	0.833		2.000		41.6	32.4	141				



Date: 11/1/2016

Work Order: 1610364

CLIENT: Libby Environmental

Project: THA-Bay Terrace

# QC SUMMARY REPORT Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID	LCSD-15240	SampType: LCSD	Units: µg/L			Prep Date: 10/26/2016		RunNo: 32643			
Client ID:	LCSW02	Batch ID: 15240				Analysis Date: 11/1/2016		SeqNo: 618216			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	2.60	0.100	4.000	0	65.0	26.7	106	2.835	8.70	30	
Benz(a)anthracene	2.47	0.100	4.000	0	61.7	42.8	125	2.395	2.95	30	
Chrysene	2.05	0.100	4.000	0	51.2	40.7	120	1.943	5.29	30	
Benzo(b)fluoranthene	1.73	0.100	4.000	0	43.3	25.9	132	1.625	6.34	30	
Benzo(k)fluoranthene	1.36	0.100	4.000	0	34.0	25.1	118	1.273	6.65	30	
Benzo(a)pyrene	1.43	0.100	4.000	0	35.8	22.7	127	1.364	4.73	30	
Indeno(1,2,3-cd)pyrene	1.00	0.100	4.000	0	25.0	21.3	131	0.9437	5.83	30	
Dibenz(a,h)anthracene	0.978	0.100	4.000	0	24.4	21.3	137	0.8805	10.5	30	
Surr: 2-Fluorobiphenyl	1.25		2.000		62.6	31.2	159		0	0	
Surr: Terphenyl-d14	1.07		2.000		53.3	32.4	141		0	0	

Sample ID	1610355-001CDUP	SampType: DUP	Units: µg/L	Prep Date: 10/26/2016	RunNo: 32643						
Client ID:	BATCH	Batch ID: 15240		Analysis Date: 11/1/2016	SeqNo: 618218						
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	0.100						0		30	
Benz(a)anthracene	ND	0.100						0		30	
Chrysene	ND	0.100						0		30	
Benzo(b)fluoranthene	ND	0.100						0		30	
Benzo(k)fluoranthene	ND	0.100						0		30	
Benzo(a)pyrene	ND	0.100						0		30	
Indeno(1,2,3-cd)pyrene	ND	0.100						0		30	
Dibenz(a,h)anthracene	ND	0.100						0		30	
Surr: 2-Fluorobiphenyl	1.31		2.000		65.5	31.2	159	0	0	30	
Surr: Terphenyl-d14	1.38		2.000		69.2	32.4	141		0		



## Sample Log-In Check List

Client Name: **LIBBY**

Work Order Number: **1610364**

Logged by: **Clare Griggs**

Date Received: **10/25/2016 10:44:00 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 Required ☒
6. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
7. Were all items received at a temperature of  $>0^{\circ}\text{C}$  to  $10.0^{\circ}\text{C}$  \* 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:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:			
Client Instructions:			

19. Additional remarks:

Per client request, include Naphthalene.

### Item Information

Item #	Temp °C
Cooler	1.0
Sample	1.6

\* Note: DoD/ELAP and TNI require items to be received at  $4^{\circ}\text{C} \pm 2^{\circ}\text{C}$





# Chain of Custody Record

www.LibbyEnvironmental.com

**Libby Environmental, Inc.**

4139 Libby Road NE  
Olympia, WA 98506

Client: Libby Environmental

Address: Sed above

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

Client Project # LIB1021-7

Ph: 360-352-2110  
Fax: 360-352-4154

Date: 10/24/16 Page: 1 of 1

Project Manager: Sherry Chalkoff

Project Name: THA - Bay Terrace

Location: \_\_\_\_\_

City/State: Tacoma, WA

Collector: NGC Date of Collection: 10/20/16

Email: libbyenv@aol.com

Sample Number	Depth	Time	Sample Type	Container Type	Field Notes
1 BT-2	-	16:15	AW	Amber	VOC 8280 NMTPH-DX STEX 8021 NMTPH-HD NMTPH-DX NMTPH-DX c PAH 8270 PAH 8270 SEM Vol 8270 PCB 8082 EPA 8 Metals
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					

Relinquished by: <u>Sherry Chalkoff</u>	Date / Time: <u>10/24/16 10:15</u>	Received by: <u>WPS</u>	Date / Time: _____
Relinquished by: <u>WPS</u>	Date / Time: _____	Received by: _____	Date / Time: _____
Relinquished by: _____	Date / Time: _____	Received by: _____	Date / Time: _____

Remarks:

Sample Receipt	Good Condition?	Y	N
Temp.	°C		
Seals Intact?	Y	N	N/A
Containers	Page <u>10</u> of <u>10</u>		

TAT: 24HR 48HR 5-DAY

LEGAL ACTION CLAUSE: In the event of default or fraudulent activity by any party, Client agrees to pay the cost of collection including travel costs and laboratory analysis fees to be determined by a court of law.

Distribution: White - Lab, Yellow - File, Pink - Original

## Chain of Custody Record

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

Page: 1 of 1

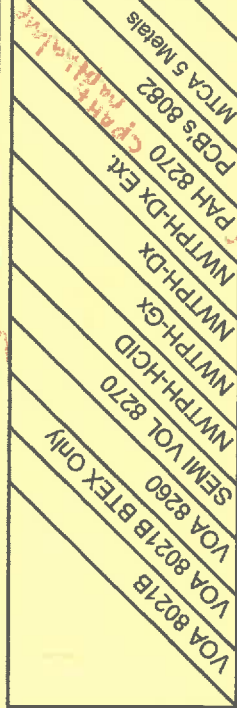
Project Manager:

Project Name: THA - BAY TREEFACE

Location: COURT G City, State: TACOMA

Collector: **NGC** Date of Collection: **10/20**

Email: [mbsaduk@chinson-noble.com](mailto:mbsaduk@chinson-noble.com)

[illegible]

Sample Receipt:

Remarks: PAHs - c. PAH + naphthalene only

Date / Time

Good Condition?	Cold?
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$$\sum_{i=1}^n$$

Date / Time

**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.