

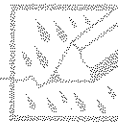
CONTENTS

PAGE

REFERENCE

DATE

"Rite in the Rain"
ALL-WEATHER WRITING PAPER



ALL-WEATHER
HORIZONTAL LINE BOOK

Name

Address

Phone

Project *LOCKHEED YARD 2*

BRENDAN D II (BOAT)
SUBSURFACE SEDIMENT Sample

This book is printed on "Rite in the Rain" All-Weather Writing Paper - A unique paper created to shed water and enhance the written image. It is widely used throughout the world for recording critical field data in all kinds of weather. For best results, use a pencil or an all-weather pen.

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2
JAN 8, 2007 (MONDAY)

1300 BOAT DOCKED @ MARINA

1330 BOAT SAFETY MTG

PREP CORING EQUIP

PREP LOCATION EQUIP

1730 OFFSITE

JAN 9, 2007 (TUES)

0830 ON SITE (MARINA)

PREP LOCATION EQUIP

PREP CORING EQUIP

1210 JEN/BRYAN/MARY ON SITE
BRING CONE BARRELS

1230 HS MTG
BOAT SAFETY

1315 Manuvering to set anchors
at station 24

1342 ships' anchor has dredged up
an old anchor line

1350 Preparing to core
Too rough for bar check
Anchoring difficult due to debris
& wind.

Taking core 24 about 40' from ^{proposed} ~~post~~
1358 Picked up vibrocore - End cap is off

4
Jan 7, 2007

- 1358 Assessing vibrocore head.
Taking end from Dick Sylvestris vibrocores
Watt called Dick Sylvestris to buy end caps
- 1415 Kat ^{will} packing it up.
Calling Todd at Golden 206-619-9909
Raining - making work more difficult.
- 1425 Setting additional haul anchors
at Site 24
- 1445 Setting up float package
- 1518 Deploying float package
- 1534 It looks like one of the
rear anchors has pulled free.
We will try to deploy the
vibrocore anyway. The wind
may have shifted.
- 1555 2nd attempt at this station
No recovery with float package
Tried float package - no recovery
- 1625 3rd attempt - no float package
No recovery
- 1632 4th attempt - no float package
No recovery
- 1640 Securing gear, pulling anchors
- 1708 Back at dock
- 1753 Met w/ entire crew - Mary

to discuss plan for tomorrow.
We will attempt to case at
the dock before heading out
tomorrow. Will meet at
0700 tomorrow

~~AS~~
AS
WS

Jan 10 2007

- 0700 Crew meeting at Brendan DII
 Lou is diagramming for Bryan
 the new plan for deploying
 the vibrocore
- 745 Day on site to oversee con/float
 package deployment
- 0800 Safety Brief
 testing new coring configuration
 while still tied to the dock
- 1159 spent the morning rigging new
 cables for the float package.
 Bob Feldpausch showed up &
 managed to get the waremaster
 working. We are preparing to
 get underway. Today's plan
 calls for cores at stations
 12 (12' tube) then to station
 23 (10' tube)
- 1223 At work area, maneuvering
 to core at station 12.
- 1229 Tide is too strong at #12
 we are moving to #23 w/a
 10' tube.
- 1232 we are setting the bow anchor
 to see if it will be enough.

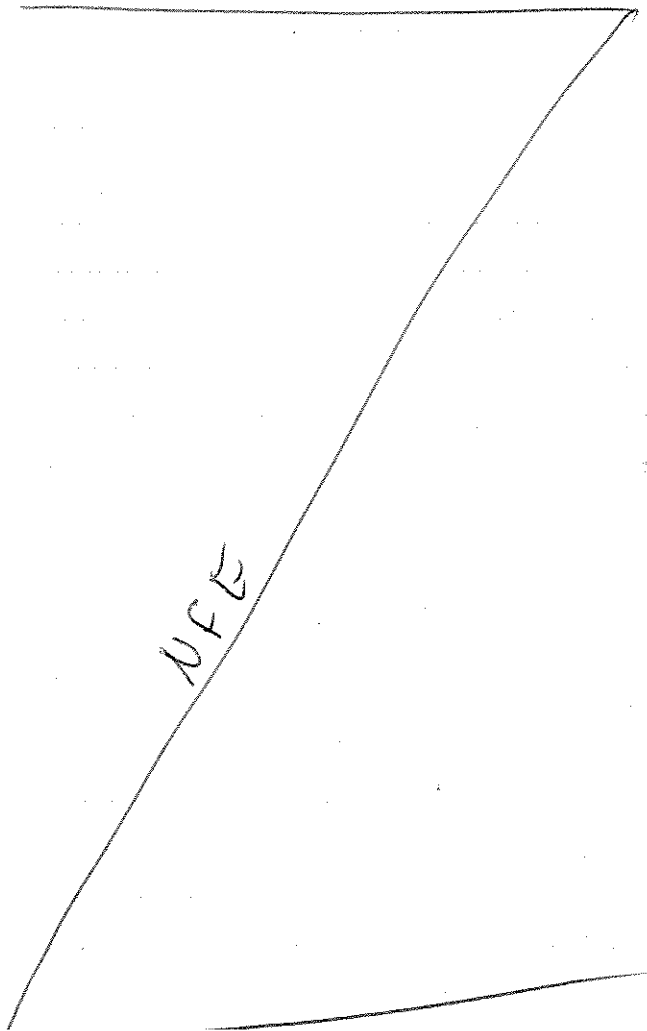
- 1238 Bow anchor is holding
 preparing to core 1/10/07
- 1245 1st attempt unsuccessful
 * POS = NOAA MLLW - 0.08'
- 1314 successful core - verify tide data
 in Hypack. Tide correction may
 be incorrect
- 1320 Moving to station 24
- 1326 At station 24 w/12' core tube
 bow anchor only, no float package
- 1331 1st attempt successful but short
 core
- 1347 2nd attempt successful w/
 ~7.5' recovery
- 1358 moving to site 12 w/12' tube
- 1402 maneuvering to at site 12
- 1412 for today we should use
 NOAA tides for all measurements
 the RTK WSEL correction in
 Hypack is still not working
 satisfactorily.
- 1434 Moving trouble with anchor
 holding. we are making another
 attempt
- 1500 Anchor holding. Attempting core

1/10/07

- 1509 1st attempt unsuccessful
Attempting second
- 1518 second attempt unsuccessful,
current too strong. Moving
to site 25
- 1526 Manoeuvring at station 25
w/a 12' core
- 1530 1st attempt unsuccessful -
no recovery
- 1546 2nd attempt unsuccessful -
no recovery
- 1551 3rd attempt unsuccessful
core fell over - no recovery
- 1556 4th attempt unsuccessful - fell over
- 1559 5th attempt unsuccessful
- 1602 setting bow anchor for
another attempt
- 1614 attempt unsuccessful
trying again
- 1631 7th attempt aborted. Getting
too dark. Demobilizing for the
day. The weather has gotten
colder + has been hailing
for ~ 30 minutes. Deck
conditions slippery

1637 heading to marina to
drop off cores

1700 dropping off cores, making
plans for tomorrow



1/12/07

0652 Yesterday was a weather day. Ice made it too hard to get to the boat, winds made it too rough to work. Today is better although it is still bitterly cold. Have made 2 attempts at station 12.

0755 Safety brief. New crew member Tom Nanevich (TTDIN) on board as observer, deckhand.

We will still be using NOAA predicted tides today.

0805 steaming to station 25 for attempt 7.

0835 Deploying vibracore, no anchor, no float package calm seas + winds. Attempt 7 unsuccessful.

0846 Attempt 8 unsuccessful, core tube bent. Took picture # 24. Tube bent 4.5' from bottom. Side of tube was caked w/ sediment. This attempt was actually successful. 5.5' of sed was recovered. Loading up another 12' core.

1/12/07

for attempt 9

0855 spoke w/ Jen/Gary about how many tries we should make at a station. We will make 1 more attempt here + then move to another station.

0905 attempt 9 successful. 12' pen. 8' recovery. Tube bent at 4.7'. Moving to station 39.

0918 maneuvering on station 39 w/ 10' core tube.

0933 successful attempt tube bent at 4' + 6'.

0941 heading to station 17 w/ 10' tubes.

0947 maneuvering on station 17.

0953 1st attempt station 17 unsuccessful.

1013 Attempt 2 station 17 unsuccessful.

1018 set bow anchor and made attempt 3.

1034 Attempt 4, repositioned anchor. Attempt successful. 10' push 9' recovery.

- 1/12/07
 1043 loading up another 10' core tube
 1049 Attempt 5 successful
 10' push 10' recovery
 1108 Heading to station 5 w/a 7' core tube
 1116 Tied to a piling for attempt 1 at station 5
 1121 1st 2 attempts unsuccessful Bottom is too hard - no penetration. Repositioning boat slightly
 1135 Attempts 3 + 4 (unsuccessful) Bottom still too hard
 1140 Positioning boat for another try
 1155 Attempts 5 - 7 unsuccessful. Moving south, will continue to try. Spoke w/ Gary + he suggested this
 1204 Attempts 8 + 9 unsuccessful will use Petite Penar to look for sediment
 1210 Took a picture (#37) of gravel brought up by

- 1/12/07
 petite penar at station. Will make 1 more attempt
 1214 Attempt 11 this will be our final attempt at this station. Weather conditions are good. Clear calm cold.
 1221 this attempt successful took picture of geoduck? in core. Heading to dock to drop off cores
 1255 Dropped off cores, picked up 3 12s and a 20' tube
 1314 steaming back to work area. We will continue w/ 12' cores - the tides aren't good to attempt a 20' core
 1321 Doing bar check at Innerspace at site
 Bar check at 5' + 15' ok
 Reset controls to match digitizer + analog
 SCS = 4870 #s
 Draft = 0.5'

1/12/07

- The 5' valves were correct
 At 15' the dig read 14.5'
 1331 Manuevering for 12'
 core at station 19
 1355 Attempt 1-5 failed.
 The slope here might be
 too steep. We are trying
 up to a pier to keep
 1437 First 8 attempts are
 unsuccessful. We are taking
 a grab w/ the petite parar
 to look at the bottom
 1440 The parar just got gravel
 that we cant core into
 See picture 40. We are
 moving to station 26
 1446 trying up to dock at station
 26
 Attempt 1 tipped over
 Attempt 2 1456 successful
 12' pen. 9.7' recovery
 1509 moving to station 22
 1523 Manuevering at station 22
 1607 ~~1st~~ First attempt had
 good penetration but

1/12/07

- poor recovery. The core tube
 is bent & cant be reused.
 We are heading back to
 the marina.
 1770 Jen came by w/ truck
 & picked up the cores.
 Finished for the day

NFE
WB

1/13/07

0745 Arrive on boat
 0800 Safety brief, slips,
 trips, falls, overheads,
 heavy vibracore head.
 0815 Heading to public
 boat launch to pick
 up Bob Feldpausch
 0903 Picked up 3 20' cores
 + 1 14' core along w/
 Bob Feldpausch + Gary
 Braun. We are going to
 try a 20' core first

0912 Bar check

Bar check good, no adjustment
 required. Water is $\pm 0.1'$ out
~~of~~ bar depth

0921 Manoeuvring on station
14 for a 20' core0928 set bow anchor for
station 14, rigging up
20' core tube

1004 Beginning to core

1027 1st attempt unsuccessful.

The float package did
 not submerge the entire

1/13/07

way + we're trying to
 figure out what happened
 1115 We are removing ²
 floats from the float
 package to see if that
 makes a difference

1138 We removed 4 floats
 from the float package
 + are trying again
 this attempt got penetration
 + recovery.

1200 Heading to boat ramp
to drop off core1246 Heading back to station
to try another 20' core

1257 We have set the
 target "12:57:38" as the
 new target we will core
 at. We are tied to a
 pier and have a stern
 anchor out

1315 Taking sample w/petite
pump prior to coring.

1320 Pump shows mvd.

1324 1st core attempt

- 1/13/07
 1330 Core tube badly bent w/no recovery
 We want try any more 20' cores today. We will try a 14' next
- 1413 Have dropped anchor at station 37 for a 14' core attempt
- 1429 1st attempt looks good
 12' pen. ~8.5' recovery
- 1502 Heading to station 32
- 1518 Manuvering to set bow anchor at station 32
- 1520 Anchor seems to be holding. We will make a 2nd attempt
- 1554 Attempt successful
 12' pen. ~8' recovery
- 1557 Heading to boat ramp to drop off cores
- 1627 Heading back to Maring
- 1655 Back at dock, securing gear for the day

- 1/15/07
 0700 met at accessing site for safety brief and to attach catchers to tubes
- 0830 Meeting boat at public boat ramp, transferring tubes, mud to return to site, + personnel. Pang. Ranygus + Tam Nowicz have joined the crew.
0900. Manuvering to take 12' cores at station 12. Conditions are calm + we have set the bow anchor.
- 0942 1st attempt successful.
 12' pen. ~11.5' recovery
- 1015 2nd attempt successful.
 We let the vibrocore drive a long time.
 12' pen. ~8' recovery
- 1047 Heading to station 19 for a 12' core. This will be our 9th attempt here.
1054. Positioning for station

- 1/15/07
 19. We will try to tie up
 in 2 places
 1107 Tied up securely. Dropping
 petite panar to see what
 the sediment is like
 1115 The panar just picked
 up gravel + felt like hitting
 a hard bottom.

Reposition

- 1119 Just using bow anchor
 to reposition.
 1124 Called Gary + left message
 about gravel bottom. Called
 Jen + told her about gravel.
 The panar pulled up mud at
 our current position so
 we will make attempt #9
 1140 1st attempt 12' core @ Station 19
 1148 Core tube came up w/
 mud on it. Took picture
 #115-0005
 1210 Heading to Station 18
 dropped petite panar to check
 sediment.
 1213 panar picked up rocks → reposition

- 1215 drop bow anchor, seems to
 hold
 1220 Petite panar pulled up
 mud at this spot so
 we will try a 12' core
 attempt
 1228 Conditions have been good
 all day, no wind, no waves,
 cold, sunny
 1236 1st attempt at station
 18. We started at the
 station + moved out (north)
 from it until we picked up
 mud with the panar goah!
 this location is ~80' N of
 the actual station
 1243 core recovery core tube had
 mud on almost its entire
 length, 12' penetrates, 11.3' recovered
 1300 demob, pull up anchor, anchor stuck
 on bottom, maneuver to free anchor
 1303 anchor pulled, return to launch
 to get more core cutters, and
 off load cores.
 1350 Set up cores w/ liners

1-15-07

1440 Map to Station 35
 1458 1st anchor attempt was too far off. trying again
 1506 Bow anchor is set + holding w/ast about 30' ENE of the station following the approximate trend of the boundary
 11:40

1530 6' push 45' recovery
 1539. We are heading back to the ramp to take cores back to the processing center.
 Dave + Tom return to marina w/boat + vessel
 A. Ramquist + W. Dales to processing ctr

1-15-07

AL

1-16-06

low, w/ast, Dune, Dune
 Snow, 32°F,

0700 Meet @ processing ctr H+S
 (D. Humes @ marina w/lan to bring boat to launch), prep cores
 0850 Meet boat @ launch load boat
 0900 Heading to station 7 for a 7' core at high tide
 0915 We will use the panar to take a bottom sample first
 0920 the panar is just bringing up a few rocks. It appears to be a hard bottom
 0930 Called Gary Braun. We will try to locate a core on the ridge that trends NNE from the actual station.
 0940 Manoeuvring at station 7. We have set the bow anchor + are holding steady

1/16/07
 1002 1st attempt. There was
 a sheep coming off the
 core tube as we brought
 it out of the water
 picture 100-0013

1015 mob to Station 30

1020 deploy anchor

1030 1st attempt at station
 30 came up w/ tube
 completely covered w/
 MDC

1045 Re-rigging vibrocore for
 14' cores. Letting large
 ship traffic pass. Next
 station is #8

1131 Doing barcheck at station
 4450 0.5 8.

At 5' + 15' the digitizer
 is w/in 0.1' of the bar.
 Did not make any adjustment

1136 setting how anchor for
 station 8

1154 Preparing to drop vibro-
 core.

1224 1st core attempt

successful. 13' pen. + 10' recovery
 rigging up for 2nd core
 here

1245 having feelometer problems

1248 Problem fixed, I hope

1303 Made 2nd attempt.

Core broke off upon

retrieval only a 4' left

1316 Rigging up another 14'
 core tube

1332 core tube came up w/mud
 on its entire length

1344 heading back to dock for more
 corecatchers, drop off cores

1447 Dropped off cores and
 attached catchers to 3 more
 14' tubes. Manuvering at
 station to set anchor
 for 1st attempt here

1457 anchor seems to be
 holding. Loading core
 tube for 1st attempt

1536 The 1st attempt had
 very little penetration + less
 recovery. We washed it

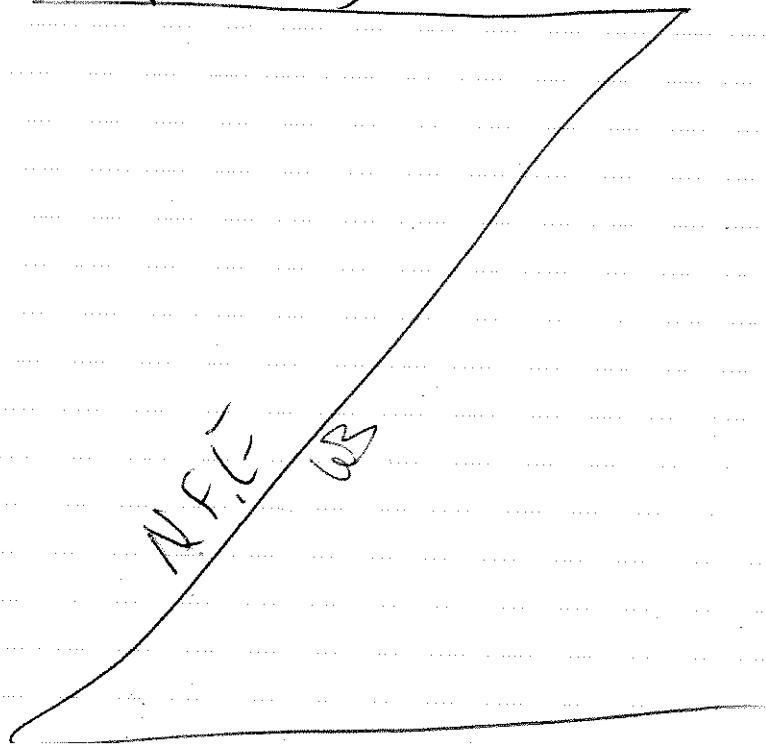
1/16/07

0001 and are reloading the
core tube for another attempt
1607 2nd attempt successful

14' pen. B.S. recovery (approx)
securing gear, heading
back to boat ramp.

starting tomorrow w/ station
9 core #2

1630 Back ~~at~~ at dock, heading
to processing site



1/17/06

0838 Heading to ^{#1} station 9
We rigged up a replacement
set of 12' cables and
attached a catcher to a
7' tube we had on the
boat.

0853 Manuevering to set new
anchor for station 9

0856 Anchor appears to be
holding. Rigging gear to
core

0907 The anchor pulled free so
we are continuing to try.
until it holds

0915 Anchor holding. starting to
core

0948. We let the vibrator run
w/ 15 minutes and only got
w/ 8.5' of penetration and
w/ 6.5' of recovery. Called
Jen & she said to try again.

1008 Repositioned slightly to
try to get better penetration

1033 Attempt 4, unsuccessful.
The bottom 3' of the core

1/17/07

tube broke off + took the
core catcher with it.

I called Jen + she will
make a call to see if
we should try again here.

1045 Jen called back + said
to move on to another
station

1052 heading to station 6 for
a 14' attempt

1102 Have set bow anchor +
it seems to be holding

1115 1st attempt got good penetra-
tion (~14') but only got
about 6' of recovery. We are
taking the second core here
to compare

1217 the second attempt had
11.5' pen and ~3.5' recovery.
Called Jen. We will try
again to get results
similar to the 1st attempt.
We dumped the core from
the second attempt + are
reusing it because we

1/17/07

only have 1 more 14' core
on the boat.

1324 spoke w/ Jen about the
good recovery on the 3rd
attempt 13.5' pen. ~13.5' recovery.
We are dumping the 1st core
that had poor recovery to
reuse its tube to try to
get $\geq 50\%$ recovery

1350 The 4m attempt got good
penetration + recovery
(13.5', 12.5'). We are rigging
the vibracore for a shorter
core tube and heading for
station 31

1416 Have re-rigged for a 7'
core + set bow anchor at
station 31

1441 ~~Head~~ 1st attempt was
good w/ 7' pen. + 5.5' recovery.
We are heading to the
boat launch to pick up a
catcher to try to get 1
more core today

1457. Got catchers + new

1-17-07

Heading back for 1 more
core

1510 Manoeuvring to drop anchor
on station 34

1548 1st attempt successful.
securing gear, heading
back to boat ramp

No further entries

1-18-07

in. W. Bredes, D. Rainquist, D. Humes
cloudy, Sl. rain 38°F, light wind

0800 meet @ luncheon. land boat
prep cores

0840 heading to station
24 for a 14' core

0909 Anchor holding w/in 10'
of station. Taking pencil
grab to evaluate sediment

0925 Good core on 1st
attempt 14' pen, ~12' recovery.
We only got to elevation
-51.9. I called Jen + she
said to keep it + more on.
We are heading to station
29

0945 setting bow anchor for
station 29

1015 1st attempt successful
14' penetration
~10.2' recovery

1030. heading to station 15 +
preparing 2 12' core tubes

1045 setting bow anchor for

1/18/07

Station 15

1130 1st attempt successful

~11' penetration

~7.9' recovery

1130 preparing for second

core at this location

1135 second attempt got some penetration + recovery but not enough. We are preparing a new core tube for another try

1244 preparing to core

1304 3rd attempt unsuccessful.

Core tube broke + core catcher was lost. Heading

back to boat ramp to

pick up more cores +

passengers

1336 have picked Gary Baum

+ John Merzen + more core

tubes + catchers + are heading

back to the site

1403 Anchored at station 3,

preparing to core.

1/18/07

1425 This attempt was successful

w/ 19.5' penetration

~12' recovery

We have recovered all the gear and are heading back to the boat ramp to drop off the core.

1458 Heading back out to site

for another 20' attempt. John

Herzog left the boat when

we were tied up at the ramp.

Heading to station 27.

1519 Changed to station 1. Dropped

ponar + pulled up a fist-sized

rock + a smaller rock.

1533 Manuvering as best we can at

station 1. The boat is ~1 boat

length from the shore

1553 It appeared that the core

penetrated about 2' + then

bent. The vibracore head never

got below the surface.

We are heading back in.

NEE
1/3

- 1/19/07
 0745 Picked up gear from processing site + took cores + catchers to the boat
 0838 Re-rigged for 14' cores because the winds + currents are too strong to do a 20' core.
 We are heading for station 11
 0840 setting anchor on station 11
 0903 1st attempt unsuccessful.
 ~ 14' pen. but ~2' recovery. We are dumping it and trying again
 0935 We were getting into water that was too shallow + would not allow us to reach -53' with the core so we have repositioned to the east + will try again
 1001 2nd attempt was successful
 Pen. = ~~13.5'~~
 recovery = 9'
 penetration depth = -59.5'
 1012 The bow anchor pulled loose as we were recovering the last core. We have re-anchored + are waiting to

- see if our position/depth are OK 1/19/07
 1015 Anchor seems to be holding. We are trying again
 1041 2nd core was successful
 1107 We have re-rigged for 12' cores + are anchored at station 13
 1120 This attempt got about 7' of penetration and ~5' of recovery. It might be too short. We are prepping for another core now.
 1148 2nd attempt had mud 9' up the tube but only 3.5' of recovery. Spoke w/ Jen + she said to try 1 more attempt
 1242. Have prepared our last core catcher + are making another attempt.
 1300 3rd attempt was successful but still got good penetration + poor recovery. Heading to boat ramp to drop off cores

- 1/19/07
 1349 Dropped off cores at the ramp & Jen came & picked them up. We are loading catchers on to 20' tubes. We will take a look at station 4
- 1416 There wasn't enough water at 4 so we are trying at station 27
- 1433 Anchor broke free during 1st attempt. Wind is picking. According to tape, penetration was 13'. Recovery ~~is~~ 7'
- 1452 We are heading back to the ramp to drop this one off.
- 1513 Heading back out for another 20' core
- 1534 Positioning at station 1
- 1530 Attempt successful. One of the float package cable belts worked free of the vibracore head so it took much longer than usual to bring the core on the boat
- 1626 Heading back to boat ramp.

- 1/22/07
 0730 Meet boat at dock, load up 20' tubes, 3 catchers. Heading out quickly to catch the high tide.
- 0816 Manoeuvring at station 4. We have to move this core offshore from its location because the water is too shallow even at high tide. We need at least 20-23' of water to take a 20' core
- 0840 Core tube broke on 1st attempt & we lost core catcher. Loading up for another attempt.
- 090939 2nd attempt must have landed on something hard because there was no penetration. The 3rd attempt was a success.
 "19' penetration
 "16' recovery
- Heading back to ramp for more core tubes
- 1016 Dropped off core, picked up 3 more 20' tubes
- 1033 Setting bow anchor on

1/22/07

station 16

1115 1st attempt had ~12' pen.
but only ~5.2' of recovery.
We are removing the catcher &
trying again

1203 Heading back to boat ramp.

2nd core was successful with

~18.5' pen. and ~17.2' recovery

1245 Picked up 2 new tubes &
attached catchers, unloaded cores,
heading back to station 16

1253 Bow anchor set for station
16. Jen called & said we'll need
to core again at station 17
because we didn't get good
penetration the 1st time.

1343 3rd attempt was successful
11.2' pen.

~7.9' recovery

I called Jen & she said this
was good enough. We are
heading back to the truck
to drop this off and
pick up another tube

1420 Got new cores & new catcher,

heading back out to station
10

1430 Bow anchor set, preparing to
core

1450 1st attempt wasn't very
good, we are attempting another

1538 2nd core was better

~18' pen.

~9' recovery

We are preparing to take
another core at this location.

1605 3rd attempt had mud on
the entire length of the core

1617 the 3rd attempt was
successful.

20' pen.

~18.1' recovery

rearing gear & heading back to
boat ramp.

NSE

1/23/07

0800 Loading supplies on boat
Heading for station 27

0920 Manuvering on station 20
setting bow anchor

0905 1st Attempt today was successful.

This is our 2nd core at this location. We are heading back to drop it off and pick up Kat.

0949 Back at site Manuvering on station 33.

1022 1st attempt was successful although wind picked up & blew us off the station somewhat. Heading to station 42

1103 Station 42 1st attempt successful.

~7 pen. ~6.6 recovery
Heading back to ramp to drop off cores

1/24/07

700 Done + Lou
800 unloading of sampling table
900 fueling
1000 Jan + Kat on board
1125 Planning Meeting
1130 Headed to 1st site
1200 01
1221 02 Poor pen - put on more weights
1241 28
1318 04 Moved station out from road & off slope to avoid get good grab
1320 92 duplicates of 04 collected
1333 03 Precipitates, locusts
1446 29
1500 27
1520 06
1525 93 duplicates of 06
1539 30
1554 08

1/2 5/07

800 at station 5 colby sample

817	05	
825	94	dup of 05
844	07	
857	18	
922	19	
943	26	for water J10
955	25	Pore water
1034	24	
1048	21	
1100	20	Pore water
1201	16	
1212	14	
1228	22	
1242	17	
1258	15	Pore water
1344	41	
1359	09	Pore water
1453	10	(van was bent at 40 - no sample)
1528	39	
1550	38	
1607	37	
1625	36	
1637	35	

1/26/07

800 at station 31 colby sample

759	31	
813	32	
829	40	
847	11	
900	42	Pore water
952	33	
1011	34	
1025	13	Pore water
1103	12	
1116	23	
1200	B7	
1219	B6	
1240	B5	
1300	B4	
1319	B3	
1413	B2	
1437	B1	

- 37 Gravel at station 5
 38 Small Godduck smashed
 by COPP
 39 Captain Keith
 40 gravel at station 19
 41 Broken core tube at station
 27

1/15/06 New Camera

~~5-001~~ Stylus 500

5-01 inside cabin

5-02 Station 12 sample
 recovery

5-03 CIZAZ core

5-04 1st Attempt (O) Station 19

5-0005 Mud on core tube at
 station 19

5-0006 recover core 1st Attempt St. 18

5-0007 - 0010 Deploying Vibracore
 at station 35

5-0011 recovering at Station 35

~~5-0012~~ 1/16/07

00-0012 shoreline at station
 17

00-0013 sheen from core at
 station 7

Photo log

1/9/07

- 1) Brenda D II 12' core tube Keith
- 2 Keith at monitor
- 3 Walt at Computer with Hypack
- 4 Dave setting anchor
- 5 Deploying Vibracore
- 6 Seattle Sky line
- 7 Vibracore - retrieved
- 8-12 testing new vibracore deployment
 scheme - 2nd day 1/10/06
- 13 station 25 - hauling
- 14 " " " "
- 15-19 Run in the snow

~~20-22 1/~~

4/4/07 1/12/07

20-22 beautiful morning

- 23 same as above
- 24 Bent core tube station 25 attempt 8
- 25-29 shots at attempt 9 station 25
- 30 coring crew
- 31, 32 bent core station 39 attempt 1
- 33 heading to station 17
- 34 station 17 attempt 5 bent core tube
- 35 movie station 5
- 36 vibracore station 5

1/24/07 New camera on boat

~~162~~ 162 Surface Sample Collected @ TT01-SS

~~163~~ 163 TT01-SS w/ H₂O

163-164 TT01-SS

164-165 TT01-SS Spoonful showing layer

~~165~~ 166 TT02-SS

167 TT 28-SS

108 ~~TT03-SS~~ ~~like~~ TT04-SS

109 ~~TT03-SS~~ ~~like~~ TT03-S-B

170 ~~TT29-SS~~ ~~like~~ TT03-SS-C

171 TT29-SS

172 TT27-SS

173 TT06-SS

174 TT30-SS

175 TT08-SS

~~176~~ ~~ke~~ 1 TT05-SS

~~177~~ ~~ke~~ 2 TT07-SS

178 ~~ke~~ 3 TT07-SS Debris

4 TT18-SS

5 Collecting Van veen sample

6 Collecting Van veen sample

7 wood caught in Van veen at TT19

8 wood and glove caught in van veen

9 TT19-SS

10 TT26-SS

1/16/07

100-0014 - broken core at station 8

100-0015 2nd attempt station 6

1/18/07

100-0016 coring near shore at station 1

100-0017 coring w/ vibracore head at the surface at station 1
1 core = 20' depth = 15'

1/22/07

100-0018 maneuvering boat w/ paddle

100-0019 mud on core tube - 300 attempt at station 4

100-0020 to 0026 20' coring procedure

1/25/07

36 TT85-SS

37 1/26/07

37 - mis named TT85 del'd

38 ~~37~~ TT31-SS

39 ~~38~~ worm tubes in van veen jar at TT32

40 ~~39~~ TT32-SS

41 ~~40~~ TT40-SS

42 ~~41~~ TT11-SS

43 ~~42~~ TT42-SS-A

44 ~~43~~ TT42-SS-B

45 ~~44~~ TT33-SS-

46 ~~45~~ TT34-SS

47 ~~46~~ TT13-SS A

48 ~~47~~ TT13-SS B

49 ~~48~~ TT12-SS

50 ~~49~~ TT12-SS

51 ~~50~~ TT12-SS

52 ~~51~~ Preface tho are altered since

TT33-SS #37 was deleted

53 ~~52~~ TT23-SS

54 ~~51~~ City skyline from Brendo-D II at Public

55 ~~52~~ Harbor Island from Brendo D II at ^{Dod} Dicks

56 ~~53~~ washout at B-7

57 ~~54~~ Shoreline ferry west at B-7

58 ~~55~~ shoreline ferry south at B-7

59 ~~56~~ TT37-SS

1/25/07

11 TT25-SS A

12 TT25-SS - B

13 TT24-SS

14 TT21-SS

15 TT20-SS A

16 TT20-SS B

17 TT20-SS C

18 TT19-SS

19 TT14-SS

20 TT22-SS

21 TT17-SS

22 TT15-SS A

23 TT15-SS B

24 TT41-SS

25 TT09-SS A

26 sheet of Plastic at TT09-SS-B

27 TT09-SS C

28 TT10-SS

29 TT39-SS

30 TT39-SS Gray Material

31 Van Veen Best Arm

32 Van Veen Best Arm

33 TT38-SS

34 TT37-SS

35 TT36-SS

1/26/07

- 81 B3 facing NE - Pier 63
82 TT B3-SS
83 05 shoreline - Park
86 B2 facing SE - Seattle P1
87 B2 facing East Myrtle Edmund Park
88 B2 facing NE Gram Terminal
89 TT B2-SS
90 TT B2-SS
91 ~~TT B1-SS~~ B1 facing NE - dock
92 B1 facing North - open to Elliot Bay Marina
93 B1 facing NW Elliot Bay Marina
94 TT B1-SS

1/26/07

- 57 TT B7-SS in boat
58 59 TT B7-SS debris - dust trays
plastic, brick pieces
~~59~~
60 TT B6-SS
61 TT B6-SS
62 Scity's on shore NW of B6
63 shoreline west of B6
64 shoreline + Boat SW of B6
65 B5 facing West - dock
66 B5 facing South fuel dock
67 B5 facing South sheet pile wall
68 B5 facing East pilings + concrete dock
69 TT B5-SS
70 TT B5-SS
71 ~~TT B5-SS~~ ^{large cap on}
72 NE of B4 - facing NE Port Terminal
73 B4 facing east to stadiums
74 B4 facing SE - Port of Seattle Terminal
75 TT B4-SS
76 TT B4-SS
77 TT B4-SS Glycerol
78 TT B3-SS
79 B3 facing SE - Aquarium
80 B3 facing east - Pike Place Market

CONTENTS

PAGE REFERENCE DATE

"Rite in the Rain"
ALL-WEATHER WRITING PAPER



ALL-WEATHER
HORIZONTAL LINE BOOK

Name _____

Address _____

Phone _____

Project Lockheed West

This book is printed on "Rite in the Rain" All-Weather Writing Paper - A unique paper created to shed water and enhance the written image. It is widely used throughout the world for recording critical field data in all kinds of weather. For best results, use a pencil or an all-weather pen.

Specifications for this book

Page Pattern		Cover Options	
Left Page	Right Page	Polyurea Cover	Fabricated Cover
Linea	Linea	Item No. 330N	Item No. 330NF

8/9/06 8:30 Pam Sargent, Gay Bran,
 Jen Hawkins, David Humes
 arrive at the boat ramp - launch
 9:00 Picked up John Kirby West Messygal
 at boat ramp.

9:45 start survey

1000 occupy line riprap 1ⁿ
 bottom of riprap

1003 of 1 - of 2
 outfall 4.0' dia, 6" wall

1005 Mh 1 - manhole

1011 riprap 2 - top of riprap

1019 sand 1 - sandy area (polygon)

1020 Roots 1 - willow tree root
 from

Note: mussels, crabs, clams

1029 Polygon
 Scrap 1 - area of large
 metal + slag - looking clumps

1032 cobble - 1 - area of cobble
 + shell hash in between
 Sand pocket on south +
 rip rap at outfall

1036 Sand 2 - sand area north
 of rip rap supporting outfall

Photos:

*100 - 2724 NW corner of side pier
 1035 rip rap 3 - outcrop of rip rap
 at end of out fall

Note: Sand 2 is between CSO/outfall
 rip rap + pier with deck of
 concrete (on top - deck)
 Under pier is cobble.

Wood bulkhead starts at
 concrete pier headed north

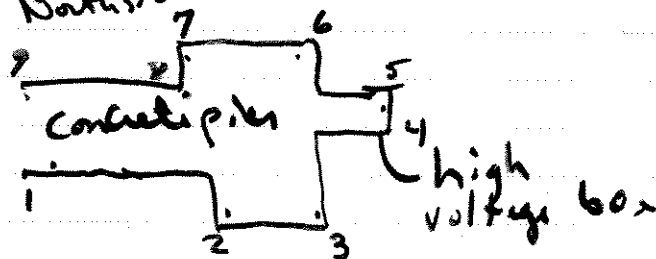
1045 Pier 1 - South W corner
 of concrete pier

Note - located by 2nd lamp post
 Pier 2 - corner of wider
 area of pier

Pier 3 - outer east corner
 of concrete pier at wide part

Pier 4 - East edge of pier

5 - East edge - North side
 6, 7 North side



8/9/06

P. a 9 - corner of concrete pier
and start of wooden
bulkhead.

10-feet of large concrete slab
in front of wooden bulkhead
(shore-ward)

Wooden bulkhead - 20 ft shy of 1st corner.
Cobble located before

concrete pier going north
shoreward of wood bulkhead

Pile line 1 - 2nd line of pilings
shoreward of wooden bulkhead
with slag / concrete
in between. There is

some wooden wall

in between pilings


all cobble shoreward.

1105 Rip Rap 4 - area
of rip rap at NE corner
made up of large rectangular
concrete - extends
through the pilings.

Some slag + wood debris
near top of slope

Pile 1 - cut off piling at
water's edge

Pile 2 - 2 sawed off pilings
to the north 1 ft apart.

Pipe 1 -  L shape
sticking out of bank
Steamline?

Wall 1 - NE corner of concrete
wall - pier base

Wall 2 - NW corner of
concrete wall

Note - end of pilings - 2nd
row extends to
concrete wall.

Slag + rip rap in front of
concrete wall

Pile line 2 - line of pilings

continued - these
pilings are sawed off
short - close to base
of slag / rip rap

pipe + slag debris shoreward
of this line.

Pile line 3 - line of pilings in front
of sheet pile wall.

6
8/9/06

Sheet pile wall
extends west - pilings
do not extend entire
length of sheet pile wall.
only first 40 feet

Pier 10 - East side of 15' sheet pier

Pier 11 - west side of 15' sheet
pier.

Pipe debris to riprap
below pier

- pile line 4 - sawed off
Piling E of pier
- Pier 12 to 13 edge of pier
- pile line 5 - short piling
W of pier
- metal debris on S. side
sheet pile 20' S.
- #05 - top of beam line
- pile line 5 - line of 14
sawed off piling
- sheet 1 to 2
- E & W ends of sheet pile
- Cement 1 & 2
N. edge of cement

8/17/06 Port meeting

1200 Jen Hawkins, Mary Dredd, Pam Segue
met Kathy Bahorich, Warren
Hausen, Ro Kuroiwn
at Port of Seattle Pier 69.

1220 at Terminal 5

Manholes leading to Florida street out fall.

Warren sent Summary of SW well
data is in Phase 1 on disk that
Mary has.

Modern data is mostly prewarmer
Warren has report. Can get logs of wells.

- Photos
- #100-2802 concrete blocks on
west side of shipway
 - #100-2803 concrete blocks on
west side of shipway
 - #100-2804 SW corner of shipway
concrete blocks. Facing S
 - #100-2805 SW corner of shipway - blocks
 - #100-2806 SW corner of shipway facing NW
 - #100-2807 SE corner of shipway facing NE
concrete blocks on top of slope.
 - #100-2808 Pier #2 - middle pier
 - #100-2809 line of storm drains
just east of lamp 3-12
in line w/ mystery out fall
between two piers

8
8/17/06

14" flanged steel pipe through bulkhead
has line of catch basins in parking lot
#100 - 2816 - catch basins just above
drain pipe.

Drain pipe is not storm drain.

~~to~~ PVC at NE corner - No related
storm drains or catch basins.

Note: irrigated planted area stops at just
east of 1st small pier.

Note: Florida Street outfall is
still active as storm drain
according to Kathy Bahnick
(sewer part no longer active)

9
8/17/06 RI Field

830 at Processing site Jen Hawkins
Met Carl Schaffer to unlock gate.
Bryan Graham - Dave Huns
unloading vehicles

900 Miller's Rentals on site

910 May Diesel on site

950 Jen + May drove to Yard 1 for drums

Dave + Bryan set up drum containment

1000 Jen + May at Processing site w/ drums

Jen spoke to Greg Salata at CTS (at 8:55)

Use 16 oz jar for analysis + 8 oz for archive

Indicate that mCOC

Notes to do at Processing location:

- get 1-2 additional pallets for generator
- ✓ line off pier w/ caution tape
- ✓ check pressure on top of hydrant - OK
- ✓ Set up proving tank
- make rack for PVC
- ✓ Check change batteries for tools, camera, radio
- ✓ Get water delivery + contact info
- ✓ Fryer delivery + ice 2 PM
- ✓ Put fuel/cooler together
- ✓ ^{water} fuel - generator + surface sample labels
- ✓ Organize cooler + jars
- ✓ Get boat logbook + forms + tools

1/8/07

Notes on boat notes:

- ✓ Fathometer
- ✓ Check radio channels
- ✓ Need log book, forms, equip + tools
- ✓ give Walt Sample location file
- ✓ bolt in vibro core
- ✓ cable - measurement tape
- ✓ velcro strap
- ✓ vibro core assembly
- GPS + Verizon card
- Sampling plan - #23 (9H)
- Run through lifting #13 (9H) - 2 cores
- #12 (12H) - 2 cores

1115 Offload truck is unloaded

Dave putting together cooler

Bryan checking base/tap + putting up caution tape

May measuring tubes

1120 Jan spoke to Lou - fighting tide

will not be here until 1.5-2 hrs

1150 Katrina + Keith on site

Mary driving to Shilshole for key to Marina

1215 Allied Ice delivery

1240 May Dived back at Processing

1230 Walt arrived with generator

1245 Health + Safety briefing at Processing site

1/8/07

Issues to remember - at the end of each day
Slide in heater, check fuel, Recharge batteries1310 Lou called - has arrived at Hawk
Island Marina1330 Bryan, Kat, Walt, Dave, Keith, Jen, May
met Lou at Marina

1345 Getting H.S briefing on boat

We will put our main radios on 16

1440 May, Kat, Bryan, + Jen at Processing
area to prep/work site1500 Called Greg at CAS - Delvey/pickups
will be Tue + Fri mornings. Dangerous/guard

1510 Jan called 800-424-5555

One call util. by locale

Ticket 700 6785

Util. fees will make:

Seattle City Light

KC metro Sewer

Puget Sound Electric + gas

Bi-fuel Network

Quest local network

Seattle Public Utilities

Seattle Department of Transportation

should all make with flag on shoreline

by 1/11

1/8/07

1540 Walt calling Ben Bridge & verify
waxemarker is working

1640 Spoke with Jay Braun

1645 Update for Walt Boules

Getting GPS to work -

Have wireless card in laptop for connection

Dave is talking to Conroy Rankin

Can Port is probably not sending data

Need Leica - have to remain
offsets

Bagging waxemarker - not getting corrected
DGPS from laptop into Shuttle

Plan - Dave will pick up in morning

1650 Saw Jay Braun update

Bryan + Jen on call - arrive around 10

Kat + May on call - arrive around 12

1745 left site

TK

1/9/07

700 Dan + Keith arranging for RTK/Leica
Walt getting supplies

830 Dave, Walt + Keith setting up boat
for vibrocon

Bryan at Home Depot + Scheels supply

1000 Bryan at Processing area setting up.

Note: Wind last night blew some lights
down. Need to latch stuff down better.

1030 Jen at Processing site

1100 Caren Fletcher on site - Bay will
send access agreement to him.

1105 Received call from Seattle City Light - they
No Seattle City Light utilities in the water

1200 Bryan + Jen + May at Marina

Unloading 12' tubes

Checking radios for connectivity with boat

1225 H+S briefing by Bryan

1240 Messing line for float package

1245 Preparing to leave dock

Showing Walt spreadsheet

1330 Headed to site 24

Tried to anchor 3 times

Picked up spare line & piece of wood
that had been with - likely
part of a treated creosote piling

1/9/07

1340 Bryan lost hand hat overboard -
Retrieved hand hat

1345 Trying to anchor in 4th time
The anchor doesn't seem to hold
Wind is pushing boat
Debris on bottom makes it
hard to anchor

1348 anchor seems to be holding
but wind is fish tailing boat
Due to wind + difficulty anchoring,
taking core 24 ~ 40' from
proposed.

Lost end cap from vibrocoring head
Replaced it with one from Dick Sylvestri's
core head

1518 Deploying core with float package
at Site 24

1535 - Looks like one anchor broke free

1547 - Hat called - no record of package at greyhound
206-628-5555 Greyhound Package

1550 Called Terry at Kuter-Rankin Inn
425-771-7776 real tracky
number for UPS shipped via
Greyhound.

Terry gave GLI 303 8236113

1/9/07

1555

Deploying core at site 24
with float package

No recovery

1630

Tried again without float pack
No recovery

1632

Tried again No recovery. Pen 5 ft

1640

Pully up cables + calli' it a day.

The core seemed to be penetrating
in that the cable is tangled

• the velcro moved up the tube.

Could hit silt that fell
out when brought up/retrieved

1650

Headed back to marina

1720

Back at Marina

Guy Bran on boat to discuss

float package set up

May Diesel left site

1800

Bryan + Jen at processing site to clean up.

1815

Guy left marina

1822

Jen + Bryan left processing site

JH

1/10/07 700 Jen at Marine with Walt
 Bryan Keith Lou
 730 Cheryl from Port of Seattle called
 the hydrant at processing area
 was shut off.
 Can call her at 206-728-3592
 to get it turned on if we
 need it.

Cold can freeze tap.

- should drain hose

740 Day on site

Jen brought Leica and
 2 end caps for vibrocoring head.

750 Dave arrived on site

755 H+S briefing

Cold cold weather - there
 was some snow on the ground
 this morning

Jen left to pick up 10' cores
 & get lead line at public dock.

0818 at Don Arnesi public boat launch
 4 piling from closest to shore,
 8.6, 11.6, 14.6, & 16.6 of piling
 Tide = +10.8 f'
 so at 0 tide, 1st piling & 2nd piling are to shell

1/10/07

0930 Jen back at Marina with
 10' cores & bucket

1000 Float Plan

Site 12 - use 12' A1 tube
 Sample intervals to be analyzed
 ~3 from each core

- 1) IF we find native layer -
 analyze that in some cores
- 2) Analyze the increment above the
 native in some cores
- 3) most cores had a decrease in cont
 in 2-4' below surface.
 so surface want an increment
 in top 3'

if shallow core - top 3 increment

Note: Core 9 - may be
 contaminated down to 10 or so feet.
 Hopefully find native layer -
 analyze around it.

1015

Waverunner is set up
 Leica kept as backup
 Backup lids need to fit Spear vibrocoring.
 Bryan + Jen can make 14' cable & 20' cable
 back at processing area.
 Discussing plan

1/10/07

Float Plan for lead

Site 12 - 12' A1

Site 23 - 10' A1

Site 13 - 10' A1

1050 Conversion of NAVD88 to POS

NAVD88 - 2.54 = POS

Not MLLW conversion to POS

1215 POS = NGVD 29 + 6.15 ft

Tidal elevation POS MLLW = NOAA MLLW
- 0.08 ft

May / Springtime

1215 Jen + Bryan at processing area
to make 14' = 20' cables
+ decon1315 Puget Sound Geo called Bryan -
They have nothing off shore -
They placed a stay on land for
the on land pipe.1340 Katrina at processing area with
bolts for float package cables

1600 Update for boat - have 2 stations, 3 cores

1630 Jen left site as it was snowing

1700 Bryan Retrieval cores from Marina

1/11/07

Weather - snow on ground

wind, freezing temps

1700 Gary + Jen called it weather day
due to safety + probability
of low productivity of collecting
cores due to wind.** Dave Hums + Bob Feldpausch
worked on wavemaker +
water elevationJen + Gary worked on staffing
issues for next weekBryan checked processing area -
it was secure- Qwest called Jen - There are
no cables off shore 206-786-1640

TW

1/12/07

- 700 Jen, Walt, Dave, + Lon at boat in Marina
- 730 Keith arrived at Marina
- 740 Tom New vice arrived at Marina setting up for coring
- 750 Jen left Marina for processing area
- 805 Jen at processing area
- 830 Getting Core 24 in tub
- 920 Jay notified that Lynda will be on site at 10
- 935 Walt called - they have successfully collected one at 25 + 1 at 17 + will collect 2 at 15.
- Need 20 ft cores
- 1009 Lynda Bridgely + Lon from EPA arrived on site to look at Core 24
- 1322 Cleanup for Core 24
- Gay brought back cores 25, 39, 17, 5
- 1410 Kat left to bring delivery to lab
- Vibrocure heads back to Golden
- BPS back to Kater - Rankin
- 1415 Logging Core 23
- 1400 Lynda Bridgely arrived on site
- 1500 Keith left site

1/12/07

- 1510 Jen at Marina picking up cores
- 1610 Jen back at processing site to complete processing.
- Archived 2 increments in CM
- 2000 Cleanup
- 2020 Jay, Jen, Bryan left site

JF

1/13/07

- 700 Jen + Kat arrived at processing area
Bryan already on site
H+S briefing
- 715 Gay on site
- 745 Bob F on site prepping core tubes
- 800 Started processing
- 815 Jay + Bob went to boat
- 1030 called Miller's Rental - need change in gas tank. Need 7/8
- 1130 Miller's Rental all arrived - changed tank but heater wouldn't run. Thought the valve might be frozen. Warmed up in bowl of water.
- 1220 Tried valve - heater still didn't work -
- 1230 warming up a second tank
- 1250 Jay called - bowl collected site 14 will try another ^{20-ft} core.
- 1340 Jen + Kat left processing area
- 1430 Jen at Miller's Rental - All exchanging heaters - Recommended in this cold weather to borrow heaters home so it doesn't dry
- 1645 Got gas to Home Depot tank.

1/13/07

- Jen, Kat, Andrea, Bryan, Dave, Walt, and Dana at processing site.
- 715 H+S briefing
Walt + Dave laundry cores
- 820 Walt, Dave, Dana head to Boat at Public launch
- 900 Jen back at processing area
Processing Core 12 - archiving whole thing since recovery was so bad.
- Talked to Miller's Rental - heater not working - need to warm up gas tank
- Reg Seamus is on his way - will pick up electric heater for us.
- Gay called - Lynda Priddy will likely be on site today
- Note - no geotech sample collected at 17 - too sandy.
- 1030 called Greg S at CAS - bottle order
Need 336 802, 184, 1602, 300, 3202
- 1130 Bryan opening Core 37
Walt called - 19 moved out due to gravel - used power to verify

1/15/07

1230 Walt collected core 19

11 push 7 sec - acceptable
b/c it was 9th try.

Ray Seamus at site to help with
heater.

1330 Ray left site

1520 Tally w/ Gary Brun on
Schedule.

1526 Dick Sylvester wants 3 this
his clamp that holds in core
power cables + control box.
At this time, we are not
using these items.

Our power cable does not match his
head. So without these
things, we have no back up.
How soon can he replace them?

Arrangements of payment?

1610 Walt + Dana back from boat w/
cores.

1616 Walt + Dana left site.

1620 collecting Core from site B/Link
RB-CS-1

1750 Bryan, Kat, Arden, Jen left site

JH

1/15/07

1000 Jen, Kat, Walt, Bryan on site

Dana + Ray arrived

Snowing.

1100 H+5 briefly

Ray will be at processing area
Dana on boat

1115 Dana + Walt left for
boat launch1116 Bryan opening Core 14 - 20 feet
acceptable but not ideal.

May want to consider Re sampling.

1130 Open Core 35 - ok - over pen
Talked to Gary about core 14 -
not ideal

Talked to Gary about stopping -
may want to put log on boat
for 14-footer

1145 Dennis from CAS dropped off/coolers
+ picked up COCs 1-151150 opened Core 12 - contains 2nd
core for containment mobility

1150 opened core 12 for containment mobility

1155 Ray Berntsen is dismessed.

1216 Walt called - they lost a
core catcher

1/16/07

1415 Jen dropped off 3 core catches
+ 3 14' cores for boat
opened core 18 good

1530 opened core 19
collected dipt at 91

May can be here on Fri
instead of Tom

May would not need to be here
nor Andrea.

Next week Tom could core and
for 4 days.

1600 cleanup

1620 updated Gary on status
Boat collected 9, 8, 30, + 7

1700 left site

1/17/07

700 Arrived at Bozeng area, Jen
Walt, Kat, May, Dana, Bryan

710 14+5 briefing
attaching core catches
setting up beam

730 opening core 7

754 Walt left site for public dock

735 Talked to Gary -

Core 9 is important

Core 8 - look at elevations

Attaching limits done only on silt + clays.

Spec gravity - need to get lab

a list of analyses

Bryan - in room when we have

potential several meters - need

spec gravity within each

lithologic units.

Check w/ lab that they can use

grain size jar

730 opening core 8

Core with cleaner material - attempt 3

is used for cont instability b/c

elevation is lower - at -43 - off

the ridge.

Chen core is at -40.35 - to assess "high" ^{ridge} _{material}

1/17/07

- 1010 Called CAS to verify that specific gravity can be taken out of 8oz grain size jar. They will verify & get back to me.
- 1015 Contacted mobility core 8
Some gradual changes -
no changes to increments
- 1030 Warren Hensen from Winward visited. They were on site & stopped by to see what we were doing.
- 1045 Talked to Gray - will accept the core 9 at 9 ft per. ~~Spec~~ you take material out of Chen core for cont. mobility.
- Dredge prism
Locations with potential for geotech
1-9, 14-18, 27, 29, 30, 31, 32
One sample from each lithological area
Re-assess list:
1, 3, 4, 27, 29, 6, 8, 9, 31, 10, 15, 17
- 1100 Log core 8
Copper pipe (small) found at 3.1 ft in sand blast grit.
Lithological types -3

1/17/07

- 1115 Top to Sand blast grit $0-10.5$ ^{5.5} E
silty sand $\frac{5.5}{10.5} = 8.8$ J
silt $8.8 - \text{bottom}$ M
- Need 3 spec gravity samples.
Spec gravity out of intervals E, J, M
This silt - asked for Atterberg limits
likely clean / mixture layers.
- 1125 wait called - have poor recovery for site 6 + 1 good one.
I told them to deep the bad one + try for > 50% recovery.
- 1130 Logging Core 9 - needs geotech
0-3.3 sand blast grit C
3.3-5.3 sand blast grit w/ silt E
5.3-10.4 ^{low} grad. sand w/ silt G
10.4-13.4 more silt
specific gravity 6-10.4 ^{well-sorted} sand w/ silt approx I
specific gravity collected at 4 intervals
C, E, G, I, + M
- 1130 Looked at core 17
specific gravity will be analyzed at 4 intervals A, B, D, G
IT17-CS-A, B, D, G
Sent email to CAS
- 1140 Clean up.

1/17/07

1525 May + Kat left site
 Instructed Walt to close up
 coolers in truck.

Jen filling out COCs.

1545 Jen + Bryan left site.

1645 Walt called - put generators
 + cooler in truck & read crew
 leave site.

JK

1/18/07

100 Bryan, Dana, Walt, Tom, Kat, + Jen
 at Processing site

705 H+S briefing.

Got one core catcher ready for boat
 boat took 6 tubes + 4 catches

800 Walt left processing site for boat launch.

815 Logging Core 9 - Contaminant
 mobility core.

810 Updated Jay Braun - he may be
 here this afternoon with John

700 Chih-ling Chen at POS to get water
 turned back on.

703 Greg Salata called from CAS
 No issues to report.

705 Walt called

Need to ~~fill~~ 14
 2 12

This is 2 extra 14 + 12

715 Cheryl from POS called

They will turn the water back
 on by 10 Am

830 Crystal dropped off 20 bottles
 of distilled water

840 POS turned on water to
 fire hydrant.

1/18/07

- 1015 Kat + Tom discussing + Mary
At tubes for boat
- 1115 Logging 2nd core for 6
Processing 1st core
- 1130 Jay + John are on the way here.
- 1200 John Herzog + Jay Braun
around on site
Looking at core 6
- 1225 2, 29, 15, was collected by boat
will be ready for new core tubes in 45 min
- 1315 Jay + John went to boat.
- 1330 Core 34 - oh
- 1400 Core 15 - processing
Jen brought back the uhaul
with 4 cores collected today.
Jay says core 15 2nd attempt
is sufficient for constant
mobility.
- 1425 Jen drove uhaul to boat land
Tom to Safety Supply for gloves
- 1520 Jen + Tom back at Processing area
Processing core 15 - chem
- 1425 Boat in - uhaul at processing area
- 1440 Dana, Walt, Jay left site
- 1505 Jen, Bryan, Kat left site.

1/19/07

- 700 Walt, Dana Jen, Bryan, Mary, Kat
at Processing area
- 705 H+S briefing + plan
- 145 Dana + Walt at boat launch
- Walt update
- | | | | | |
|-----|--------------------|--------|--------------------|--------------|
| 7' | - | 2 | 33 + 42 | have 2 |
| 10' | - | 13 (2) | 15 3 12 | |
| 14' | - | 2, 11 | | 3 14 |
| 20' | dependent on tubes | | | |
| 37, | 1, | 4, | 27, | 16(2), 10(2) |
- Jen everything if we can for 10 + 16
if we get a good one at 10, may not need 2nd
- Fri 2, 11, (13, 33) (4)
- Thu 13, 33, 16 (27)
- Thu 42, 16⁽²⁾, 37
- Wed ~~27~~ (1) 10(2)
- Possible.
- CAS picked up coolers
+ dropped off mac coolers
- Jen drove to dock to get
buckets. Got gas can + gas
- Processing core 3
Empty bottles after core 3:
- | | |
|-----|-----|
| 200 | 310 |
| 400 | 344 |
| | -9 |

1/19/07

- 1315 Jen due to boat launch to
give boat core catches +
pick up more cores to process
- 1400 Processing Core 13 - 3 attempts
to chase fm. Best one is done.
- 1500 updated log -
boat collected core 27.
will try fm site 4
- 1600 update log - will do
PCB organics archive on surface
samples.
- 1647 Dinner + wait at boat launch
Wait during trash back to
processing. Dana left site.
- 1700 Kat, May, west, Bryan + Jen left site

To Do

- answer questions of EDD
- check sample receipts against COEs
+ records
- Bottle order - wait testing

Time new 20' + 14'

1/22/07

700 Jen, Kat, Bryan, Tom, Walt + Dave
at Processing site

705 1+5 briefing

Need to collect 6 more 20' + 27'
lined more 20' cores

~~800~~ 730 Walt + Dave left for
boat launch

800 Processing core !!

8935 May called - drums cannot be
moved

Need analytical for all sediment list

John's list of surface samples
needing porewater analysis

25, 20, 15, 9, 13, 3, 42

1200 Ordered additional bottles for CAS
to cover water sample and
porewater sampling on surface

110 162 jars. Have enough 32 oz jars

1300 Told boat that core 27 needed to be redone

1400 Jen got touch w/ cores 4+16

boat has 2nd good 16

1440 Talked to Davey about
porewater. He said talk to
John about redrilling # of locs.
Don't need pesticides.

1/22/07

to labor volume needed for porewater

SVOC 1 L H₂O ~ 3 L sed

PCB 1 L H₂O ~ 3 L sed

Met coextractor

metals 1/2 L } ~ 2 L sed

TOC 1/2 L }

Butyltins 1 L ~ 3 L sed

= 11 L sed for porewater

1400 cleanup

1400 Jen + Walt left site • Bryan, Tom, Walt,
Davey

1/23/07

- 700 Jan, Kat Bryan, Walt, Dave, + Tom
at Processing area
- 705 M+S briefing
getting core catcher cleaned
loady fruits
went over plan for
dismobing boat
- 800 Processing Core 16 - CM
- 900 Kat left for boat (work w/ 2 core
catchers. will observe coring).
- 900 CAS arrived w/ cookies
+ punchys
- 1100 Waste water sample collected
- 1130 Greg Salata called - Atterbury
limits needs another jar
so TT08-CS-M and TT09-CS-M
are shot.
- He will take 1/2 of 16oz jar for
Atterbury + archive the rest
- 1200 Went to boat launch to take off
generator + vibrocore head
Dave cutting core
Brought wily to Maxine
- 1330 Dave left site for office -
bringing waste water sample + May

1/23/07

- 1350 Walt Bowles is taking
generator + vibrocore heads back to
office. Float purchase is in
Dave car.
- Dave + Lou driving to Port Townsend
to get sampling table
- 1400 May is having CAS analyze the
wastewaters - shipping today
- 1450 Processing Core 10 - CS
- 1500 Processing Core 27 B
- 1530 In left s.t.
Bryan, Kat + Tom completed processing
left s.t.
- 1730 left s.t.

JK

1/24/07

- 6:45 Jen on s.t. Bryan on s.t.
 7:00 Kat on s.t.
 H+S briefing.
 Processing last 2 cores - s.t. 33+42
 7:30 Dave + Lou at Processing area
 to pick up chain + steel bar
 Go to boat to attach table
 + get fuel
 8:15 Demolish Processing area
 Dave bringing Al cores to recycling
 Bryan + Kat dismounting table
 Jen filling out COCs
 9:00 Jen organizing items to container
 surface sampling
 10:36 Jen + Kat moving drome to
 public boat launch
 Met Lou + Dave
 loaded cooler + supplies
 11:15 Planning meeting
 11:30 Headed to 1st s.t.
 12:30 Scheduling demo on Friday
 Miller's Rental - Tent - will be
 there 9:30
 Allied Ice - left morning
 CAS - usual time 9 ~ 9:30

1/24/07

- 12:40 Putting 2 more weights
 on Van Weir for
 better penetration
 1:15 want to pick up
 Dave from boat launch
 1:45 at s.t. while processing s.t. 3
 large volume - need 1 bucket full
 1:45 at s.t. 29
 1:50 completed OS
 Headed back to boat dock. Dave left s.t.
 2:00 Kat + Jen at Processing area
 Dave + Lou to boat dock
 2:00 Kat + Jen left s.t.
- JH

1/25/01

100 Jan, Kat, Dave at main

715 H+S briefing

730-800 at station 5

Problem with Hypack + bathymetry
fixed

808 at station 5 collecting

930 called Crystal - scheduled to
pick up water tower 9-9:30935 left meeting w/ Alred ice to
pick up freezer940 called Chef with fire department
- car ran off water945 Talked to Tom Dawson
on pickup tomorrow

Collecting Surface Sample

1515 arm of Van Veen bent
- Caught on something at
TT40Moved to 39 - worked
must be lots of pilings or
debris at 40 for van Veen
to get caught.Having Jan + Sound Vessel bring
their van Veen down tomorrow

Adjusted chain length to be even

1/25/01

This seems to solve the
problem - Van Veen
is now brought up
evenly

Continued to sample.

1630 Headed back to boat - main

1700 back at main

1700 collecting surface sample
kensite blank

RB-2 1/25 1720

1730 Jan + Kat at Processing area
to dump off coolers
ice coolers1730 picking up gear for tomorrow
Kat + Jan left Processing 5/6

TH

1/26/07

700 630 Kat + Jen at Pooey am

to pick up mud

700 Kat + Jen + Dave unloads
mud into boat

730 H+S briefing

745 Dumping mud from crates

800 at station 31

1125 completed sampling all stations
at Larchmont West Seattle

1130 Gony to public boat launch
to pick up Garry Braven

1148 at Backsound's station B-7
off shore just south of public dock

1350 Waiting for Denny CSO

along Myrtle Edwards Park

1445 Completed sampling
headed back to public docks

Photo log
1/12/07 Processing area
100-0001 Processing area set up
2
3
4 Outside processing area
5 #24- Attempt 5 whole core

Lockheed west Seattle

1/12/07 Processing Area
 700 Bryan Graham + Katrina Conlon at
 Processing site
 727 Port opened gate. Lay on site.
 830 Starting to open core 24 attempt 5
 1322 Cleanup for core 24
 1415 Logging core 23
 1530 Opening cores 17 - 2 cores
 Core attempt 5 is used for Chemistry
 Core attempt 4 is used for Cont. Mols
 1700 Logging Core 17. Sand. - No geotech taken
 1900 Cleanup
 2020 left site

JH

Tracking - Processing 1/12/07

Date	Core	Analy. Samples	Anal.
1/1/10 1347	24 CS	B, C, E, H	D, F, G, I
1/1/10 1331	24 BCS	—	E, F
2/1/10 1245	23 -CS	B, C, H	A, D, E, F G, I, J
3/1/10 1049	17 -CS	B, C, D	A, E → J
5/1/10 1033	17 CM	—	I, J
7/1/10 1033	17 CM	archive 10 increments	40.2-50

JK

1/13/07 Processing
 700 on site
 800 opening Core 22
 This core was over penetrated
 only need the top 8.6 feet / 9.6 feet
 930 opening Core ~~26~~ 39 and 26
 Core 26 has a big lithologic
 break -
 analyze increment right below
 break - G
 surface is discarded -
 area is known to be
 contaminated at surface
 1100 Bryan left site
 Jen + Kurt sampling cores 39 + 26
 1430 Deconning
 1540 left site

163 Tracking Processing 1/13/07

Date	Core	Analyze	Arch
5/6/12/07 1528	22	BCD	E → J
6/11/12 1456	26	B C G	DEF H → L
7/18/12 925	39	ABC	D - J

sh

VB

1/15/07 Processing
 700 on site, 10:05 briefing, down
 800 open core 12
 archive all - not good
 enough recovery
 1000 open core 32
 acceptable
 1130 open core 5
 acceptable
 PSDDA core - compositing in
 4-ft increments
 1230 open core 37
 acceptable
 1415 opened core 25
 attempt 9 has much better recovery
 1620 collecting onsite blank for cores -
 consisted of 3 bowls, 2 spars, &
 1 core catcher.
 Used DI water, supplied by lab.
 1700 clean up

Tracking					
COC	Date/Time	Core	Analyza	Archive	
8	1/12	1552	12B		A B C D
8/9	1/13	1536	32	BC H	D-G, I-L
9/10	1/12	1214	05	ABC	D-G
10	1/12	1214	05 PD		A, B
14/11	1/13	1429	37	ABC	D-L
4/12	1/12	859	25	BC JL	D-I, K
13	1/15	1620	RBES-1	All	

07

th

1/16/07 recovery
830 Open Core 14
13 ft push 16.6 recovery
acceptable

moned 3.1 up to 2.65

3.9 moned to 4.1

7.2 moned to 7.5

woody debris below 7.5

still sand w/ silt

same dark gray.

penetrated to -38 mllw

this core is marginal -

May need to retry at the end.

Collecting Duplicate of 14

TT90-CS-A dup of 14-B

TT90-CS-B dup of 14-C

TT90-CS-C dup of 14-J

Note - wood chips found in J, K, L

looks like "detrital" wood

washed up on a beach.

as opposed to wood pilings

1030 Open Core 35 - ok

discard A - analyzed the rest

to -53 MLLW

1113 CAS picked up 14 coolers

COCs 1-15

1/16/07 Tracking

COC	Date/time	Core	Analyze	Archive
(14/15)	11/13 1137	14	BCJ	D-E, K-M
15	1/13 1200	90	ABC	dup of 14
note - no PCB archive for CAS collected 1/16 for TT90-CS-C				
16	1/15 1518	35	BCD	—
16/17	1/15 942	12 CS	BCD	E → K
17/18	1/15 1015	12 CM		42.2 → 53
19/20	1/15 1234	18	BCD	E → L
20/21	1/15 1140	19	ABC	D → K
21	1/15 1200	91	AB	—

91 is dup of 19

TH

1/16/07

1130 Opening Core 12

2 cores - 1 for contaminant mobility
- Chem core - attempt 1 942
move 6.1 to 6.2

analyzed 15 CD

- Contam mobility - called for attempt 2

1400 opened core 18

no movement of interns

1500 opened core 19

break is at 1.65

Have 1.3

1.9

2.5

Move 1.9 to 1.65 for sufficient

sample volume

1530 collected duplicate

TT91-CS-A, B, ~~C~~

1/15 1200

TT91-CS-A is dup of 19-CS-A

TT91-CS-B is dup of 19-CS-B

1/17/07

730 Opening Core 7

This core contains sand/blast grit.
In location below cut line.

Will analyze top 3 increments

(discard A - surface grab will
be that)

830 opened 30 - shorter

930 opened core 8 - both

Chem core is on at higher elevation -40
contam mobility at -43

Spec. Gravity in E, J, M

1330 logging Core 9 -

Chem core - good recovery

(cont. mobility core will be
collected today)

Net over penetrated to -54.

Added extra material

to make sure bottom of

contamination was reached.

spec. gravity C, E, G, I, + M

Attending on M

TK

TK

1/17/07		Prackmy			Analyze	Archives
CDC	Date/Time	Core				
(21/22)	1/16/07 957	07		B, C, D	E-H	
22	1/16/07 1031	30		A	BC	
22/23	1/16/07 1157	08-CS		B, C, I	D-H, J-M	
24	1/16/07 1321	08-CM		2	421-53	
23/25/26	1/16/07 1548	09		B, C, E, M	D, F-L, N, O	

1/18/07 Processing
 800 Logging Core 9 - Contaminant mobility -
 lost portions of the core w/ washbuck & sliding on liner.
 Best estimate collected all material we had.
 The bottom looks like it might be clean sand at -48

915 Logging core 31
 only 1 ft above -53
 will archive down to -55
 best tech needed - spec gravity on A
 incubate B+C on below -53 - archived.

Discard the rest of the over pass

1000 Logging core 6
 2 cores - 1 chem, 1 cont mob
 Attempt 4 is chem core
 Attempt 3 is cont mob core due to runoff down the sides
 both recoveries are good.
 Attempt 4 Chem - Specific gravity
 A, B, D get S.G.
 No PCB congeners advice on B - insufficient material

1/18/07 COL	Tracking Date	Core	Analyse	Archive
27	1/17/07	921	09CM	archive all 42-43, 43-44 44-45, 2 46.2-47 47-48
26	1/17/07	1418	31	A B, C
26/28	1/17/07	1309	06CS	A BC D, E, → L
27/29	1/17/07	1229	06CM	42.7-43.1 43.1-44.4 44.4-45 45. --- 53
28	1/17/07	1533	34	A, B —
29/30	1/18/07	1151	15-CM	43.5-44 44 → 49
28/34	1/18/07	1125	15-CS	B, C, G D, F, H

1/18/07 Processing
 1330 open core 34
 2 increments
 1400 open core 15 -
 content mobility
 archived all
 1415 Ten some trash to boat lunch
 1515 open core 15 - Chem
 liner pulled up off bottom increments
 not needed anyway. - below 53
 Analyzed increment below 4.3 - more water
 Specific Gravity
 G, C, E, D
 No PCB congeners bottle on C -
 insufficient material

4/12

4/12

1/19/07

Proceing

800

Logging Core 29

all same material

Specific gravity on B

930

Logging Core 2

PSDDA core

comp. test A, B, C, D (38.4 - 42)

E, F, G, H (42 - 46)

I, J, K, L (47 - 50)

1200

Logging Core 3

PSDDA core

Compos. test A - C 16.7 - 20

D - G 20 - 24

H - K 24 - 27.9

L - O 27.9 - 32

P - Q 32 - 34

Specific gravity on C, H, Q

Increment C has no archive for PCB core

1400 Logging Core 13

Attempt 1 is clean core due to better recovery (67%)

Attempt 3 is cont. mdr as next best recovery (45%)

Attempt 1 clean core

No archive bottle for PCB core on B or C

1/11 Tracking

COC	Date/Time	Core	Analysis	Arch
12/15	1/18/07 1010	29	A, B, C	D → L
13/14	1/18/07 0925	02 CS	B, C, D	E → M
34	1/18/07 0925	02 PD	.	A, B, C
27/10/36	1/18/07 1404	03 CS	B, C, D	E → Q
36	↓	03 PD		A → D
37	1/18/07 1112	13 CS	A, B, C	D → G
38	1/19/07 1250	13 CM	45.2 - 47	
			47 - 48.4	
			48.4 - 49	
			49 - 53	

1/22/07 Processing
 800 Core 91 - 2 cors
 attempt 3 chundre - better recovery
 attempt 2 - cast mobility
 chem core No PCB analysis
 increment B - insufficient
 material for B, C, + D

930 Processing core 01
 1 core - PSDDA collected
 01-PD-A composite for CS-A → D
 01-PD-B composite for E → H
 01-PD-C composite of F → L
 01-PD-D composite of M → P
 01-PD-E composite of Q, R, S
 - Specific grav by on B, E, + Q

1230 Processing Core 27
 PSDDA core -
 Poor memory + few -
 will combine any 2 ft for
 sufficient volume

PSDDA	27-PD-A	A+B
	27-PD-B	C+D
	27-PD-C	E+F

Archive - Only analyze if
 a better core can not be collected.

1/22/07 Tracking

COC	Date	Core	Analyze	Archive
37	1/19/07	1026	11	B, C, D E → I
40	1/19/07	943	11 CM	- 46.1 - 47
↓	↓	↓	↓	- 47 - 53
38/41/42	1/19/07	1550	01	A, B, C D → S
42/40	1/19/07	1550	01 PD	- A → E
45	1/19/07	1428	27	- A → F
43	↓	↓	27-PD	- A → C
↓			Archive 27	- analyze only
			if ^{better} core is never collected	
44/45	1/22/07	917	14 CS	B, C, J D → I, K → S
45/46	1/22/07	917	14 PD	- A → E

T6

1/22/07

1400

Processing Core 04

PSDDA core^b - cores A-D etc

TT04-PD-A cores CS-A → D

04-PD-B E → H

04-PD-C I → L

04-PD-D M → P

04-PD-E Q → S

Spec. for gravity B, G, M, R

1/23/07

800 Processing Core 16 - CM

2 cores collected

Core with better Pen + recovery is chosen

core. Attempt 2

Core attempt 3 is constant mobility core.

915 Processing core 16 - check

lab picked up cores though 46

1100 waste tank sample collected

WW-CS-01 1100

1400 Processing core 10 CM

1700 Processing Core 10 CS

Spec Gravity C, E, H, L

Attaching limits E - Extrajar

1500 Processing Core 27B CS

PSDDA core A cores A-D

27B-PD-B E-H

27B-PD-C I-L

27B-PD-D M-P

27B-PD-E Q-T

Specific gravity B, D, G

Attaching limits D' - extrajar 1602

1/23/07 Tracking

COC	Date	Core	Analyze	A dom
47/48	1/22/07	1308 16 CM		39.2-48
48/49	1/22/07	1140 16 CS	B, C, D, I	E → T
50	1/23/07	1100 WWCS-1 w. arate		
51/52	1/22/07	1510 10 CM	—	29.9-47
52/53	1/22/07	1551 10 CS	B, C, D	E → T
54/55	1/23/07	0837 27B CS	B, C, D	E → T
55/56	1/23/07	0837 27B PD	—	A → E

1/24/07

Processing

200	Processing core 33
	3 samples - OK
100	Processing core 42
	3 samples - OK
200	Processing table

AT

1/24/07 Tracking

COE	Date	Case	Analyze	Act.
56	1/23/07 1000	33	A, B, C	—
56	1/23/07 1049	42	B, C, D	—

J.A.

113/07 PHOTO LOG - Processing Area

1130025	28	TT22-CS-B/K	
1130026	30	TT22-CS-0	
1130027	31	TT22-CS-E	
1130028	34	TT22-CS-F/G	
1130029	36	TT22-CS-H/I	
130030	37	TT22-CS-J + EOC	
130031	38	TT39-CS Whole Core	
130032	39	TT26-CS Whole Core	
1130033	40	TT26-CS-A	
130034	41	TT26-CS-B	
130035	42	TT26-CS-C	
130036	43		D
130037	44		E
130038	45		F
1130039	46		G
130040	47		H
1130041	48		I
1130042	49		J
1130043	50		K
1130044	51		L
1130045	52	TT39-CS-A	
1130053			B
1130054			C - fibrous mat
1130055			D
1130056			E

1130057	TT39-CS-F
1130058	G
1130059	H
1130060	I
1130061	J

	TT26-CS-S	Soda can
42	TT12B-CS	TOP OF CORE
43	TT12B-CS	EOC
44	TT37-CS	AdB TOP OF CORE
45	TT32-CS	C+D
46	TT32-CS	E+F
47	TT32-CS	G, H, I
48	TT32-CS	J, K, EOC
49	TT05-CS-A	
50	TT05-CS-B	
51	TT05-CS-C	
52	TT05-CS-D	
53	TT05-CS-E	
54	TT05-CS-F	
55	TT05-CS-G	
56	TT37-CS-A	
57	TT37-CS-B	
58	TT37-CS-C	
59	TT37-CS-D	
60	TT37-CS-E	

61 TT37-CS-F
 62 TT37-CS-G
 63 TT37-CS-H
 64 TT37-CS-I
 65 TT37-CS-J
 66 TT37-CS-K
 67 TT37-CS-L
 68 TT25-CS-B+C
 69 TT25-CS-D+E
 70 TT25-CS-F+G
 71 TT25-CS-H+I+J
 72 TT25-CS-K+L

1/16/07 PHOTO LOG

1 ~~1~~ Process Area w/ snow
 2 "
 3 Snow on flamer
 4 Process Area w/ snow
 5 "
 6 TT14-CS-A TOC
 7 TT14-CS-B
 8 TT14-CS-C
 9 TT14-CS-D
 10 TT14-CS-E
 11 TT14-CS-F
 12 TT14-CS-G ~~TOC~~ ke

1/12/07
 1/12/07
 file 102-0001
 112-0002
 112-0003
 112-0004
 112-0005
 112-0006
 112-0007
 112-0008
 112-0009
 112-0010
 112-0011
 112-0012
 112-0013
 112-0014
 112-0015
 112-0016
 112-0017
 112-0018
 112-0019
 112-0020
 112-0021
 112-0022
 112-0023
 1/13/07 0024
 113

Photology
 processing area
 Processing area set up
 "
 "
 Outside processing area
 Core 24 Attempt 5 whole core
 Core 24 Attempt 6 whole core
 TT-24-CS-A
 TT24-CS-B
 TT24-CS-C
 TT24-CS-D
 TT24-CS-E
 TT24-CS-F
 TT24-CS-G
 TT24-CS-H
 TT24-CS-I
 Bryan Sampling TT24-CS
 Bryan Sampling TT24-CS
 TT23-CS whole core
 " " " " w/ sample intervals
 TT23-CS sample intervals
 TT23-CS sample intervals
 TT17-CM-43-44 grit
 TT17-CM-43-44 grit
 TT22-CS whole core

38 TT12-CM-~~Exc~~ (44-45)
 39 TT12-CM-~~Exc~~ (45-46)
 40 TT12-CM-~~Exc~~ (46-47)
 41 TT12-CM-~~Exc~~ (47-48)
 42 TT12-CM-~~Exc~~ (48-49)
 43 TT12-CM-~~Exc~~ (49-50)
 44 TT12-CM-~~Exc~~ (50-51)
 45 TT12-CM-~~Exc~~ (51-52)
 46 TT12-CM-~~Exc~~ (52-53)
 47 TT12-CM-~~Exc~~ - EOC
 48 TT18-CS-A
 49 TT18-CS-B
 50 TT18-CS-C
 51 TT18-CS-D
 52 TT18-CS-E
 53 TT18-CS-F
 54 TT18-CS-G
 55 TT18-CS-H
 56 TT18-CS-I
 57 TT18-CS-J
 58 TT18-CS-K
 59 TT18-CS-L
 60 TT19-CS-A
 61 TT19-CS-B
 62 TT19-CS-C

13 TT14-CS-H
 14 TT14-CS-I
 15 TT14-CS-J
 16 TT14-CS-K
 17 TT14-CS-L
 18 TT14-CS-M EOC
 19 TT35-CS-A
 20 TT35-CS-B
 21 TT35-CS-C
 22 TT35-CS-D
 23 TT35-CS-E discarded (?) 53)
 24 TT12-CS-A
 25 TT-12-CS-B
 26 TT12-CS-C
 27 TT12-CS-D
 28 TT12-CS-E
 29 TT12-CS-F
 30 TT12-CS-G
 31 TT12-CS-H
 32 TT12-CS-I
 33 TT12-CS-J
 34 TT12-CS-K
 35 ~~TT12-CS-L~~ TT12-CS EOC
 36 TT12-CM-Ave (42.2-43)
 37 TT12-CM-Ave (43-44)

86 TT08-CM-45-46
87 TT08-CM-46-47
88 TT08-CM-47-48
89 TT08-CM-48-49
90 TT08-CM-49-50
91 TT08-CM-50-51
92 TT08-CM-51-52
93 TT08-CM-52-53
94 TT08-CM-EOC
95 TT08-CS-A
96 TT08-CS-B
97 TT08-CS-C
98 TT08-CS-D
99 TT08-CS-E
100 TT08-CS-F
~~100~~ 101 TT08-CS-G
102 TT08-CS-H
103 TT08-CS-I
104 TT08-CS-J
105 TT08-CS-K
106 TT08-CS-L
107 TT08-CS-M
108 TT08-CS-F - Debris
Nails, Metal
109 TT09-CS-A

63 TT19-CS-D
64 TT19-CS-E
65 TT19-CS-F
66 TT19-CS-G
67 TT19-CS-H
68 ~~TT19-CS-I~~ TT19-CS-I
69 TT19-CS-J
70 TT19-CS-EOC
71 TT07-CS-A
72 TT07-CS-B
73 TT07-CS-C
74 TT07-CS-D
75 TT07-CS-E
76 TT07-CS-F
77 TT07-CS-G
78 TT07-CS-H
79 TT07-CS Metal Scrap Painted
Red (Metal Red painted
Surface) found at ~ 3', "0"
80 TT30-CS-A
81 TT30-CS-B
82 TT30-CS-C
83 TT30-CS - left over core
84 TT08-CM-43.1-44
85 TT08-CM-44-45

1/18/07

~~011~~ TT 31-CS-D
 012 TT 06-CS-A
 013 TT 06-CS-B
 014 TT 06-CS-C
 015 TT 06-CS-D
 016 TT 06-CS-E
 017 TT 06-CS-F
 018 TT 06-CS-G
 019 TT 06-CS-H
 020 TT 06-CS-I
 021 TT 06-CS-J
 022 TT 06-CS-K
 023 TT 06-CS-L
 024 TT 06-CS EOC

25 TT 06-CM-42.7-43.1
 26 TT 06-CM-43.1-44.4 ^{100%}
 27 TT 06-CM-~~44.4-45.7~~ ^{43.1-44.4}
 28 TT 06-CM-~~45.7-46.9~~ ^{44.4-45.7}
 29 TT 06-CM-~~46.9-48.1~~ ^{45.7-46.9}
 30 TT 06-CM-~~48.1-49.4~~ ^{46.9-48.1}
 31 TT 06-CM-~~49.4-50.7~~ ^{48.1-49.4}
 32 TT 06-CM-~~50.7-52.0~~ ^{49.4-50.7}
 33 TT 06-CM-~~52.0-53.3~~ ^{50.7-52.0}
 34 TT 06-CM-~~53.3-54.6~~ ⁵¹⁻⁵²
 35 TT 06-CM-~~54.6-55.9~~ ⁵¹⁻⁵²

110 TT 09-CS-B
 111 TT 09-CS-C
 112 TT 09-CS-D
 113 TT 09-CS-E
 114 TT 09-CS-F
 115 TT 09-CS-G
 116 TT 09-CS-H
 117 TT 09-CS-I
 118 TT 09-CS-J
 119 TT 09-CS-K
 120 TT 09-CS-L
 121 TT 09-CS-M
 122 TT 09-CS-N
 123 TT 09-CS-O

1/19/07

001
~~007~~
 002 TT 09-CM-42-43
 003 TT 09-CM-43-44
 004 TT 09-CM-44-45.2
 005 TT 09-CM-WASH OUT
 006 TT 09-CM-46.2-47
 007 TT 09-CM-47-48
 008 TT 09-CM-EOC
 009 TT 31-CS-A
 0010 TT 31-CS-B
 TT 31-CS-C

61 TT29-CS-F
62 TT29-CS-G
63 TT29-CS-H
64 TT29-CS-F
65 TT29-CS-J
66 TT29-CS-K
67 TT29-CS-L
68 TT29-CS-EOC
69 TT02-CS-A
70 TT02-CS-B
71 TT02-CS-C
72 TT02-CS-D
73 TT02-CS-E
74 TT02-CS-F
75 TT02-CS-G
76 TT02-CS-H
77 TT02-CS-I
78 TT02-CS-J
79 TT02-CS-K
80 TT02-CS-L
81 TT02-CS-M
82 TT02-CS-EOC
83 TT03-CS-A
84 TT03-CS-B
85 TT03-CS-C

36 TT06-CM-52-53
37 TT06-CM-EOC
38 TT34-CS-A
39 TT34-CS-B
40 TT34-CS-EOC
41 TT15-CM-43.5-44
42 TT15-CM-44-45
43 TT15-CM-45-46
44 TT15-CM-46-47
45 TT15-CM-47-48
46 TT15-CM-48-49
47 TT15-CS-A
48 TT15-CS-B
49 TT15-CS-C
50 TT15-CS-D&E
51 TT15-CS-F&G
52 TT15-CS-H
53 TT15-CS-EOC
54 Unloading Core 1/19 AM
55 Processing Area 1/19 AM
56 Nacho Libré AKA Beyan
57 Nacho Libré Attacks
58 TT29-CS-D
59 TT29-CS-E
60

111 TT13-CM-49-50
112 TT13-CM-50-51
113 TT13-CM-51-52
114 TT13-CM-52-53
115 TT13-CM-EOC
116cc 001 TT11-CS-A
002 TT11-CS-B
003 TT11-CS-C
004 TT11-CS-D
005 TT11-CS-E
006 TT11-CS-F
007 TT11-CS-G
008 TT11-CS-H
009 TT11-CS-I
010 TT11-CS-EOC
011 TT11-CM-46.1-47
012 TT11-CM-47-48
013 TT11-CM-48-49
014 TT11-CM-49-50
015 TT11-CM-50-51
016 TT11-CM-51-52
017 TT11-CM-52-53
018 TT11-CM-EOC
019 TT01-CS-A
020 TT01-CS-B

1/22/01

96 TT03-CS-D
87 TT03-CS-E
88 TT03-CS-F
89 TT03-CS-G
90 TT03-CS-H
91 TT03-CS-I
92 TT03-CS-J
93 TT03-CS-K
94 TT03-CS-L
95 TT03-CS-M
96 TT03-CS-N
97 TT03-CS-O
98 TT03-CS-P
99 TT03-CS-Q
100 TT03-CS-EOC
101 TT13-CS-A
102 TT13-CS-B
103 TT13-CS-C
104 TT13-CS-D
105 TT13-CS-E
106 TT13-CS-F
107 TT13-CS-G
108 TT13-CM-45.5 to 45.2-47
109 TT13-CM-47-48.4
110 TT13-CM-48.4-49

46 TT04-CS-A
47 TT04-CS-B
48 TT04-CS-C
49 TT04-CS-D
50 TT04-CS-E
51 TT04-CS-F
52 TT04-CS-G
53 TT04-CS-H
54 TT04-CS-I
55 TT04-CS-J
56 TT04-CS-K
57 TT04-CS-L
58 TT04-CS-M
59 TT04-CS-N
60 TT04-CS-O
61 TT04-CS-P
62 TT04-CS-Q
63 TT04-CS-R
64 TT04-CS-~~ED~~ S
65 TT16-CM-34.2-35
66 TT16-CM-35-36
67 TT16-CM-36-37
68 TT16-CM-37-38
69 TT16-CM-38-39
70 TT16-CM-39-40

1/15/10

21 TT01-CS-C
22 TT01-CS-D
23 TT01-CS-E
24 TT01-CS-F
25 TT01-CS-G
26 TT01-CS-H
27 TT01-CS-I
28 TT01-CS-J
29 TT01-CS-K
30 TT01-CS-L
31 TT01-CS-M
32 TT01-~~CS~~-N
33 TT01-CS-O
34 TT01-CS-P
35 TT01-CS-Q
36 TT01-CS-R
37 TT01-CS-S
38 TT27-CS-A
39 TT27-CS-B A
40 TT27-CS-B B
41 TT27-CS-B C
42 TT27-CS-B D
43 TT27-CS-B E
44 TT27-CS-~~BCC~~ KC F
45 TT27-CS-B CC

96 TT10-CM-32-33 - 33 94
 97 TT10-CM-33-34~~42~~ 34 35
 98 TT10-CM-34-35~~42~~ 35 36
 99 TT10-CM-35-36 36 37
 100 TT10-CM-36-37~~42~~ 37 38 39 40
~~101~~ 101 TT10-CM-37-38~~42~~ 38 40
~~102~~ 102 TT10-CM-38-39~~42~~ 39 41
~~103~~ 103 TT10-CM-39-40~~42~~ 40 41
~~104~~ 104 TT10-CM-40-41~~42~~ 41 43
 105 TT10-CM-41-42~~42~~ 42 44
 106 TT10-CM-42-43~~42~~ 43 45
 107 TT10-CM-43-44~~42~~ 44 46
 108 TT10-CM-44-45~~42~~ 45 47
 109 TT10-CS-A
 110 TT10-CS-B
 111 TT10-CS-C
 112 TT10-CS-D
 113 TT10-CS-E
 114 TT10-CS-F
 115 TT10-CS-G
 116 TT10-CS-H
 117 TT10-CS-J
 118 TT10-CS-K
 119 TT10-CS-L
 120 TT10-CS-L

1/23/07

71 TT16-CM-40-41
 72 TT16-CM-41-42
 73 TT16-CM-42-43
 74 TT16-CM-43-44
 75 TT16-CM-44-45
 76 TT16-CS-B
 77 TT16-CS-C
 78 TT16-CS-D
 79 TT16-CS-E
 80 TT16-CS-F
 81 TT16-CS-G
 82 TT16-CS-H
 83 TT16-CS-I
 84 TT16-CS-J
 85 TT16-CS-K
 86 TT16-CS-L
 87 TT16-CS-M blury
 88 TT16-CS-M blury
 89 TT16-CS-M ok
 90 TT16-CS-N
 91 TT16-CS-O
 92 TT16-CS - Bottom of core -53-54
 93 TT16-CS - Bottom of core -55
 94 TT10-CM-29.9-31
 95 TT10-CM-31-32

146 TT27B-CS-P
147 TT27B-CS-Q
148 TT27B-CS-R
149 TT27B-CS-S
150 TT27B-CS-T

124/04

151 TT33-CS-A
152 TT33-CS-B
153 TT33-CS-C
154 TT33-CS-D
155 TT42-CS-A
156 TT42-CS-B
157 TT42-CS-C
158 TT42-CS-D
159 TT42-CS-E
160 TT42-CS-F
161 TT42-CS-G

121
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TT10-CS-M
TT10-CS-N
TT10-CS-O
TT10-CS-P
TT10-CS-Q
TT10-CS-R
TT10-CS-S
TT10-CS-T
TT10-CS-EOC
TT27B-CS-A
TT27B-CS-B
TT27B-CS-C
TT27B-CS-D
TT27B-CS-E
TT27B-CS-F
TT27B-CS-G
TT27B-CS-H
TT27B-CS-I
TT27B-CS-J
TT27B-CS-K
TT27B-CS-L
TT27B-CS-M
TT27B-CS-N
TT27B-CS-U



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CHAIN OF CUSTODY

PAGE 1 OF 15 SR#: COC #

PROJECT NUMBER: 5205
PROJECT NAME: Lockhead West Seattle Superfund Site
PROJECT MANAGER: Jennifer Hawkins
COMPANY ADDRESS: 12100 NE 195th St Suite 200
CITY/STATE/ZIP: Bothell WA 98011
E-MAIL ADDRESS: Jennifer.Hawkins@Heci.com
PHONE # 425-482-7678

Table with columns: SAMPLE ID, DATE, TIME, LAB I.D., MATRIX, NUMBER OF CONTAINERS, and various chemical analysis categories like Semivolatile Organics, Volatile Organics, Hydrocarbons, Metals, etc. Includes handwritten sample IDs like TT24-CS-B, TT24-CS-C, etc.

REPORT REQUIREMENTS: I. Routine Report: Method Blank, Surrogate, as required
INVOICE INFORMATION: P.O. #, Bill To: Jennifer Hawkins
TURNAROUND REQUIREMENTS: 24 hr. 48 hr. 5 Day
SPECIAL INSTRUCTIONS/COMMENTS: Gram size jar is 802 jar. Part of analysis in 16-oz jar. See Quote H 6797 for details on methods - Revised 12-22-06. AHerberg (D4318) + spec gran (D85483) are not analyzed unless listed on COC.

RELINQUISHED BY: Signature, Date/Time, Firm
RECEIVED BY: Signature, Date/Time, Firm
RELINQUISHED BY: Signature, Date/Time, Firm
RECEIVED BY: Signature, Date/Time, Firm



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An Employee - Owned Company

CHAIN OF CUSTODY

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PAGE 2 OF 15 SR#: COC # 2

PROJECT NAME	Lockwood West South
PROJECT NUMBER	5205
PROJECT MANAGER	Semiflex Hawkins
COMPANY ADDRESS	12100 NE 195th St Suite 208
CITY/STATE/ZIP	Bothell WA 98011
EMAIL ADDRESS	Jennifer.hawkins@ftecinc.com
PHONE #	425-482-7678
FAX #	
SAMPLER'S SIGNATURE	<i>Jennifer Hawkins</i>

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	NUMBER OF CONTAINERS														REMARKS																			
					Semivolatile Organics by GC/MS 625 <input type="checkbox"/> 8270 <input type="checkbox"/> 8270LL <input checked="" type="checkbox"/>	Volatile Organics 624 <input type="checkbox"/> 8260 <input type="checkbox"/>	Hydrocarbons (*see below) Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Oil <input type="checkbox"/>	BTEX <input type="checkbox"/>	Fuel Fingerprint (FIQ) <input type="checkbox"/>	NW-HCID Screen <input type="checkbox"/>	Oil & Grease/TRPH 1664 HEM <input type="checkbox"/>	1664 SGT <input type="checkbox"/>	PCB's Aroclors <input checked="" type="checkbox"/> Congeners <input type="checkbox"/>	Pesticides/Herbicides 608 <input type="checkbox"/> 8081A <input checked="" type="checkbox"/> 8141A <input type="checkbox"/> 8151A <input type="checkbox"/>	Chlorophenolics - 8151M Tri <input type="checkbox"/> Tetra <input type="checkbox"/> PCP <input type="checkbox"/>	PAHS 8310 <input type="checkbox"/> SIM <input type="checkbox"/>	Metals, Total or Dissolved (See list below)	Cyanide <input type="checkbox"/>		Hex-Chrom <input type="checkbox"/>	pH, Cond., Cl, SO4, PO4, F, NO2, NO3, BOD, TSS, TDS (circle)	NH3-N, COD, Total-P, TKN (TOC, DOC (circle) NO2+NO3) <input checked="" type="checkbox"/>	TOX 9020 <input type="checkbox"/> AOX 1650 <input type="checkbox"/> 506 <input type="checkbox"/>															
TT23-CS-A	11/07	1245		Soil																																		
TT23-CS-B						X																																
TT23-CS-C						X																																
TT23-CS-D											X																											
TT23-CS-E											X																											
TT23-CS-F											X																											
TT23-CS-G											X																											
TT23-CS-H											X																											
TT23-CS-I											X																											
TT23-CS-J											X																											

REPORT REQUIREMENTS

I. Routine Report: Method Blank, Surrogate, as required

II. Report Dup., MS, MSD as required

III. Data Validation Report (includes all raw data)

IV. CLP Deliverable Report

V. EDD

INVOICE INFORMATION

P.O. #

Bill To: Fraser, E. Hawkins

PTC

Bothell, WA

TURNAROUND REQUIREMENTS

24 hr. 48 hr.

5 Day

X Standard (10-15 working days)

Provide FAX Results

Requested Report Date

Circle which metals are to be analyzed:

Total Metals: Al As Si Ba Be B Ca Co Cr Cu Fe Pb Mg Mn Ni K Ag Na Se Sr TI Sn V Zn Hg

Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr TI Sn V Zn Hg

*INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: (CIRCLE ONE)

SPECIAL INSTRUCTIONS/COMMENTS:

Gran size jar is for use, rest of analysis in 16-oz jar

See Quot # 6797 Revised 12-22-06

Attelburg (D 4318) + spec gran (DSSY-83) are not analyzed unless listed on C2

RELINQUISHED BY:

Signature *Ku Hock* Date/Time 1/10/09 11:13

Printed Name Ku Hock Firm

RECEIVED BY:

Signature *Jennifer Hawkins* Date/Time 1-17-07

Printed Name Jennifer Hawkins Firm

RELINQUISHED BY:

Signature Date/Time

Printed Name Firm

RECEIVED BY:

Signature Date/Time

Printed Name Firm



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PAGE

3

OF

13

COC #

3

CHAIN OF CUSTODY

SR#:

COC #

3

PROJECT NAME: Lockhead Court Seattle
 PROJECT NUMBER: 5205
 PROJECT MANAGER: Semi E. Hawkins
 COMPANY/ADDRESS: _____
 CITY/STATE/ZIP: _____
 E-MAIL ADDRESS: _____
 PHONE #: _____ FAX#: _____
 SAMPLER'S SIGNATURE: _____

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX
TT17-CS-A	11/2/07	1049	Sed	
TT17-CS-B				
TT17-CS-C				
TT17-CS-D				
TT17-CS-E				
TT17-CS-F				
TT17-CS-G				
TT17-CS-H				
TT17-CS-I				

NUMBER OF CONTAINERS	Semivolatile Organics by GC/MS 625 <input type="checkbox"/> 8270 <input type="checkbox"/> 8270LL <input checked="" type="checkbox"/>	Volatile Organics 624 <input type="checkbox"/> 8260 <input type="checkbox"/>	Hydrocarbons (*see below) Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Oil <input type="checkbox"/>	Fuel Fingerprint (FIQ) NW-HCID Screen	Oil & Grease/TRPH 1664 HEM <input type="checkbox"/> 1664 SGT <input type="checkbox"/>	PCB's Aroclors <input checked="" type="checkbox"/> Congeners <input type="checkbox"/>	Pesticides/Herbicides 608 <input type="checkbox"/> 8081A <input checked="" type="checkbox"/> 8141A <input type="checkbox"/> 8151A <input type="checkbox"/>	Chlorophenolics - 8151M Tri <input type="checkbox"/> Tetra <input type="checkbox"/> PCP <input type="checkbox"/>	PAHS 8310 <input type="checkbox"/> SIM <input type="checkbox"/>	Metals, Total or Dissolved (See list below)	Cyanide <input type="checkbox"/> Hex-Chrom <input type="checkbox"/>	pH, Cond., Cl, SO ₄ , PO ₄ , F, NO ₂ , NO ₃ , BOD, TSS, TDS (circle)	NH ₃ -N, COD, Total-P, TKN, DOC DOC (circle) NO ₂ +NO ₃ <input checked="" type="checkbox"/>	TOX 9020 <input type="checkbox"/> AOX 1650 <input type="checkbox"/> 506 <input type="checkbox"/>	Butyltins	Archive - Freeze 2e 802 PCB Cong	Archive Freeze 1602 metals SVOC	Archive 802 for grain size
2																		
3																		
3																		
3																		
3																		
3																		
3																		
3																		
3																		

REPORT REQUIREMENTS	INVOICE INFORMATION	TURNAROUND REQUIREMENTS	SPECIAL INSTRUCTIONS/COMMENTS:
I. Routine Report: Method Blank, Surrogate, as required II. Report Dup., MS, MSD as required III. Data Validation Report (includes all raw data) IV. CLP Deliverable Report <input checked="" type="checkbox"/> V. EDD	P.O. # _____ Bill To: <u>Semi E. Hawkins</u> Requested Report Date: _____	24 hr. _____ 48 hr. _____ 5 Day _____ <input checked="" type="checkbox"/> Standard (10-15 working days) Provide FAX Results _____	Circle which metals are to be analyzed: Total Metals: Al <input checked="" type="checkbox"/> Sb <input checked="" type="checkbox"/> Ba <input checked="" type="checkbox"/> Be <input checked="" type="checkbox"/> B <input checked="" type="checkbox"/> Ca <input checked="" type="checkbox"/> Cd <input checked="" type="checkbox"/> Cr <input checked="" type="checkbox"/> Cu <input checked="" type="checkbox"/> Fe <input checked="" type="checkbox"/> Pb <input checked="" type="checkbox"/> Mg <input checked="" type="checkbox"/> Mn <input checked="" type="checkbox"/> Ni <input checked="" type="checkbox"/> K <input checked="" type="checkbox"/> Ag <input checked="" type="checkbox"/> Na <input checked="" type="checkbox"/> Sr <input checked="" type="checkbox"/> Ti <input checked="" type="checkbox"/> Sn <input checked="" type="checkbox"/> Hg <input checked="" type="checkbox"/> Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg *INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: _____ (CIRCLE ONE) SPECIAL INSTRUCTIONS/COMMENTS: Gross size Jan is 802 Jan. Part of analysis in 16-02 Jan See Conts 6797 Received 11-12-06 Attachments & Spec gross are not analyzed and analyses listed on COC

RELINQUISHED BY: Signature: [Signature] Date/Time: 11/6/07 1113
 Printed Name: [Name] Firm: _____

RECEIVED BY: Signature: [Signature] Date/Time: 1-17-07
 Printed Name: [Name] Firm: _____

RELINQUISHED BY: Signature: _____ Date/Time: _____
 Printed Name: _____ Firm: _____

RECEIVED BY: Signature: _____ Date/Time: _____
 Printed Name: _____ Firm: _____



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PAGE 4 OF 15 SR# COC # 4

CHAIN OF CUSTODY

PROJECT NAME: Lockwood Creek South

PROJECT NUMBER

PROJECT MANAGER

COMPANY ADDRESS

CITY/STATE/ZIP

E-MAIL ADDRESS

PHONE #

FAX #

SAMPLER'S SIGNATURE

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	NUMBER OF CONTAINERS	REMARKS
TT17-CM-40.2-41	4/2	1033		Sed	2	
TT17-CM-41-42	4/2			M	3	
TT17-CM-42-43				M	3	
TT17-CM-43-44				M	2	
TT17-CM-44-45				M	3	
TT17-CM-46-47				M	3	
TT17-CM-47-48				M	3	
TT17-CM-48-49				M	2	
TT17-CM-49-50				M	2	

SEMIVOLATILE ORGANICS BY GC/MS
 625 8270 8270LL

VOLATILE ORGANICS
 624 8260 8021 BTEX

HYDROCARBONS (*see below)
 Gas Diesel Oil

FUEL FINGERPRINT (FIQ)
 NW-HCID Screen

OIL & GREASE/TRPH
 1664 HEM 1664 SGT

PCB'S
 Aroclors Congeners

PESTICIDES/HERBICIDES
 608 8081A 8141A 8151A

CHLOROPHENOLICS - 8151M
 Tri Tetra PCP

PAHS
 8310 SIM

METALS, TOTAL OR DISSOLVED
 (See list below)

Cyanide Hex-Chrom

pH, Cond., Cl, SO₄, PO₄, F, NO₂, NO₃, BOD, TSS, TDS (circle)

NH₃-N, COD, Total-P, TKN, TOC, DOC (circle) NO₂+NO₃

TOX 9020 AOX 1650 506

Archive - Freeze for DREF C.S.

CIRCLE WHICH METALS ARE TO BE ANALYZED:

- Total Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg
- Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg

*INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: (CIRCLE ONE)

SPECIAL INSTRUCTIONS/COMMENTS: Samples analyzed for potential composting for DREF + Column setting

REPORT REQUIREMENTS

- I. Routine Report: Method Blank, Surrogate, as required
- II. Report Dup., MS, MSD as required
- III. Data Validation Report (includes all raw data)
- IV. CLP Deliverable Report
- V. EDD

INVOICE INFORMATION

P.O. #
Bill To:

TURNAROUND REQUIREMENTS

- 24 hr. 48 hr.
- 5 Day
- Standard (10-15 working days)
- Provide FAX Results

RELINQUISHED BY:

Signature: [Signature]
Date/Time: 1/16/07
Printed Name: [Name]

RECEIVED BY:

Signature: [Signature]
Date/Time: 1-19-07
Printed Name: [Name]

RELINQUISHED BY:

Signature: [Signature]
Date/Time: [Date/Time]
Printed Name: [Name]

RECEIVED BY:

Signature: [Signature]
Date/Time: [Date/Time]
Printed Name: [Name]



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CHAIN OF CUSTODY

PAGE 5 OF 15 SR#: COC # 5

PROJECT NAME: Lockport Wood Sella

PROJECT NUMBER: 5205

PROJECT MANAGER: Semin Fe Hunter

COMPANY/ADDRESS:

CITY/STATE/ZIP:

EMAIL ADDRESS:

PHONE #:

FAX #:

SAMPLER'S SIGNATURE:

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	NUMBER OF CONTAINERS	SEMIVOLATILE ORGANICS BY GC/MS	VOLATILE ORGANICS	HYDROCARBONS (*see below)	FUEL FINGERPRINT (FIQ)	OIL & GREASE/TRPH	PCB'S	PAHS	METALS (TOTAL) OR DISSOLVED	CYANIDE	PH, COND., Cl, SO4, PO4, F, NO2, NO3, BOD, TSS, TDS (circle)	NH3-N, COD, Total-P, TKN, TOC, DOC (circle) NO2+NO3	TOX 9020	AOX 1650	506	REMARKS
TT17-CM-I	11/2/07	1033	Sel	2		<input type="checkbox"/> 625 <input type="checkbox"/> 8270 <input checked="" type="checkbox"/> 8270LL <input type="checkbox"/>	<input type="checkbox"/> 624 <input type="checkbox"/> 8260 <input type="checkbox"/>	<input type="checkbox"/> Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Oil <input type="checkbox"/>	<input type="checkbox"/> NW-HCID Screen	<input type="checkbox"/> 1664 HEM <input type="checkbox"/> 1664 SGT <input type="checkbox"/>	<input checked="" type="checkbox"/> Congeners <input type="checkbox"/>	<input type="checkbox"/> PAHS 8310 <input type="checkbox"/> SIM <input type="checkbox"/>	<input type="checkbox"/> Metals (Total) or Dissolved (See list below)	<input type="checkbox"/> Cyanide <input type="checkbox"/> Hex-Chrom <input type="checkbox"/>	<input type="checkbox"/> pH, Cond., Cl, SO4, PO4, F, NO2, NO3, BOD, TSS, TDS (circle)	<input type="checkbox"/> NH3-N, COD, Total-P, TKN, TOC, DOC (circle) NO2+NO3	<input type="checkbox"/> TOX 9020 <input type="checkbox"/> AOX 1650 <input type="checkbox"/> 506			Archive-free 16oz metals svoc Archive Refridge for gran size Butyltins Archive-free 8oz PCB Cong
TT17-CM-J	11/16/07	1033	Sel	2		<input type="checkbox"/> 625 <input type="checkbox"/> 8270 <input checked="" type="checkbox"/> 8270LL <input type="checkbox"/>	<input type="checkbox"/> 624 <input type="checkbox"/> 8260 <input type="checkbox"/>	<input type="checkbox"/> Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Oil <input type="checkbox"/>	<input type="checkbox"/> NW-HCID Screen	<input type="checkbox"/> 1664 HEM <input type="checkbox"/> 1664 SGT <input type="checkbox"/>	<input checked="" type="checkbox"/> Congeners <input type="checkbox"/>	<input type="checkbox"/> PAHS 8310 <input type="checkbox"/> SIM <input type="checkbox"/>	<input type="checkbox"/> Metals (Total) or Dissolved (See list below)	<input type="checkbox"/> Cyanide <input type="checkbox"/> Hex-Chrom <input type="checkbox"/>	<input type="checkbox"/> pH, Cond., Cl, SO4, PO4, F, NO2, NO3, BOD, TSS, TDS (circle)	<input type="checkbox"/> NH3-N, COD, Total-P, TKN, TOC, DOC (circle) NO2+NO3	<input type="checkbox"/> TOX 9020 <input type="checkbox"/> AOX 1650 <input type="checkbox"/> 506			
TT22-CS-B	11/16/07	1528	Sel	3		<input type="checkbox"/> 625 <input type="checkbox"/> 8270 <input checked="" type="checkbox"/> 8270LL <input type="checkbox"/>	<input type="checkbox"/> 624 <input type="checkbox"/> 8260 <input type="checkbox"/>	<input type="checkbox"/> Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Oil <input type="checkbox"/>	<input type="checkbox"/> NW-HCID Screen	<input type="checkbox"/> 1664 HEM <input type="checkbox"/> 1664 SGT <input type="checkbox"/>	<input checked="" type="checkbox"/> Congeners <input type="checkbox"/>	<input type="checkbox"/> PAHS 8310 <input type="checkbox"/> SIM <input type="checkbox"/>	<input type="checkbox"/> Metals (Total) or Dissolved (See list below)	<input type="checkbox"/> Cyanide <input type="checkbox"/> Hex-Chrom <input type="checkbox"/>	<input type="checkbox"/> pH, Cond., Cl, SO4, PO4, F, NO2, NO3, BOD, TSS, TDS (circle)	<input type="checkbox"/> NH3-N, COD, Total-P, TKN, TOC, DOC (circle) NO2+NO3	<input type="checkbox"/> TOX 9020 <input type="checkbox"/> AOX 1650 <input type="checkbox"/> 506			
TT22-CS-C				3		<input type="checkbox"/> 625 <input type="checkbox"/> 8270 <input checked="" type="checkbox"/> 8270LL <input type="checkbox"/>	<input type="checkbox"/> 624 <input type="checkbox"/> 8260 <input type="checkbox"/>	<input type="checkbox"/> Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Oil <input type="checkbox"/>	<input type="checkbox"/> NW-HCID Screen	<input type="checkbox"/> 1664 HEM <input type="checkbox"/> 1664 SGT <input type="checkbox"/>	<input checked="" type="checkbox"/> Congeners <input type="checkbox"/>	<input type="checkbox"/> PAHS 8310 <input type="checkbox"/> SIM <input type="checkbox"/>	<input type="checkbox"/> Metals (Total) or Dissolved (See list below)	<input type="checkbox"/> Cyanide <input type="checkbox"/> Hex-Chrom <input type="checkbox"/>	<input type="checkbox"/> pH, Cond., Cl, SO4, PO4, F, NO2, NO3, BOD, TSS, TDS (circle)	<input type="checkbox"/> NH3-N, COD, Total-P, TKN, TOC, DOC (circle) NO2+NO3	<input type="checkbox"/> TOX 9020 <input type="checkbox"/> AOX 1650 <input type="checkbox"/> 506			
TT22-CS-D				3		<input type="checkbox"/> 625 <input type="checkbox"/> 8270 <input checked="" type="checkbox"/> 8270LL <input type="checkbox"/>	<input type="checkbox"/> 624 <input type="checkbox"/> 8260 <input type="checkbox"/>	<input type="checkbox"/> Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Oil <input type="checkbox"/>	<input type="checkbox"/> NW-HCID Screen	<input type="checkbox"/> 1664 HEM <input type="checkbox"/> 1664 SGT <input type="checkbox"/>	<input checked="" type="checkbox"/> Congeners <input type="checkbox"/>	<input type="checkbox"/> PAHS 8310 <input type="checkbox"/> SIM <input type="checkbox"/>	<input type="checkbox"/> Metals (Total) or Dissolved (See list below)	<input type="checkbox"/> Cyanide <input type="checkbox"/> Hex-Chrom <input type="checkbox"/>	<input type="checkbox"/> pH, Cond., Cl, SO4, PO4, F, NO2, NO3, BOD, TSS, TDS (circle)	<input type="checkbox"/> NH3-N, COD, Total-P, TKN, TOC, DOC (circle) NO2+NO3	<input type="checkbox"/> TOX 9020 <input type="checkbox"/> AOX 1650 <input type="checkbox"/> 506			
TT22-CS-E				2		<input type="checkbox"/> 625 <input type="checkbox"/> 8270 <input checked="" type="checkbox"/> 8270LL <input type="checkbox"/>	<input type="checkbox"/> 624 <input type="checkbox"/> 8260 <input type="checkbox"/>	<input type="checkbox"/> Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Oil <input type="checkbox"/>	<input type="checkbox"/> NW-HCID Screen	<input type="checkbox"/> 1664 HEM <input type="checkbox"/> 1664 SGT <input type="checkbox"/>	<input checked="" type="checkbox"/> Congeners <input type="checkbox"/>	<input type="checkbox"/> PAHS 8310 <input type="checkbox"/> SIM <input type="checkbox"/>	<input type="checkbox"/> Metals (Total) or Dissolved (See list below)	<input type="checkbox"/> Cyanide <input type="checkbox"/> Hex-Chrom <input type="checkbox"/>	<input type="checkbox"/> pH, Cond., Cl, SO4, PO4, F, NO2, NO3, BOD, TSS, TDS (circle)	<input type="checkbox"/> NH3-N, COD, Total-P, TKN, TOC, DOC (circle) NO2+NO3	<input type="checkbox"/> TOX 9020 <input type="checkbox"/> AOX 1650 <input type="checkbox"/> 506			
TT22-CS-F				2		<input type="checkbox"/> 625 <input type="checkbox"/> 8270 <input checked="" type="checkbox"/> 8270LL <input type="checkbox"/>	<input type="checkbox"/> 624 <input type="checkbox"/> 8260 <input type="checkbox"/>	<input type="checkbox"/> Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Oil <input type="checkbox"/>	<input type="checkbox"/> NW-HCID Screen	<input type="checkbox"/> 1664 HEM <input type="checkbox"/> 1664 SGT <input type="checkbox"/>	<input checked="" type="checkbox"/> Congeners <input type="checkbox"/>	<input type="checkbox"/> PAHS 8310 <input type="checkbox"/> SIM <input type="checkbox"/>	<input type="checkbox"/> Metals (Total) or Dissolved (See list below)	<input type="checkbox"/> Cyanide <input type="checkbox"/> Hex-Chrom <input type="checkbox"/>	<input type="checkbox"/> pH, Cond., Cl, SO4, PO4, F, NO2, NO3, BOD, TSS, TDS (circle)	<input type="checkbox"/> NH3-N, COD, Total-P, TKN, TOC, DOC (circle) NO2+NO3	<input type="checkbox"/> TOX 9020 <input type="checkbox"/> AOX 1650 <input type="checkbox"/> 506			
TT22-CS-G				2		<input type="checkbox"/> 625 <input type="checkbox"/> 8270 <input checked="" type="checkbox"/> 8270LL <input type="checkbox"/>	<input type="checkbox"/> 624 <input type="checkbox"/> 8260 <input type="checkbox"/>	<input type="checkbox"/> Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Oil <input type="checkbox"/>	<input type="checkbox"/> NW-HCID Screen	<input type="checkbox"/> 1664 HEM <input type="checkbox"/> 1664 SGT <input type="checkbox"/>	<input checked="" type="checkbox"/> Congeners <input type="checkbox"/>	<input type="checkbox"/> PAHS 8310 <input type="checkbox"/> SIM <input type="checkbox"/>	<input type="checkbox"/> Metals (Total) or Dissolved (See list below)	<input type="checkbox"/> Cyanide <input type="checkbox"/> Hex-Chrom <input type="checkbox"/>	<input type="checkbox"/> pH, Cond., Cl, SO4, PO4, F, NO2, NO3, BOD, TSS, TDS (circle)	<input type="checkbox"/> NH3-N, COD, Total-P, TKN, TOC, DOC (circle) NO2+NO3	<input type="checkbox"/> TOX 9020 <input type="checkbox"/> AOX 1650 <input type="checkbox"/> 506			
TT22-CS-H				2		<input type="checkbox"/> 625 <input type="checkbox"/> 8270 <input checked="" type="checkbox"/> 8270LL <input type="checkbox"/>	<input type="checkbox"/> 624 <input type="checkbox"/> 8260 <input type="checkbox"/>	<input type="checkbox"/> Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Oil <input type="checkbox"/>	<input type="checkbox"/> NW-HCID Screen	<input type="checkbox"/> 1664 HEM <input type="checkbox"/> 1664 SGT <input type="checkbox"/>	<input checked="" type="checkbox"/> Congeners <input type="checkbox"/>	<input type="checkbox"/> PAHS 8310 <input type="checkbox"/> SIM <input type="checkbox"/>	<input type="checkbox"/> Metals (Total) or Dissolved (See list below)	<input type="checkbox"/> Cyanide <input type="checkbox"/> Hex-Chrom <input type="checkbox"/>	<input type="checkbox"/> pH, Cond., Cl, SO4, PO4, F, NO2, NO3, BOD, TSS, TDS (circle)	<input type="checkbox"/> NH3-N, COD, Total-P, TKN, TOC, DOC (circle) NO2+NO3	<input type="checkbox"/> TOX 9020 <input type="checkbox"/> AOX 1650 <input type="checkbox"/> 506			
TT22-CS-I				2		<input type="checkbox"/> 625 <input type="checkbox"/> 8270 <input checked="" type="checkbox"/> 8270LL <input type="checkbox"/>	<input type="checkbox"/> 624 <input type="checkbox"/> 8260 <input type="checkbox"/>	<input type="checkbox"/> Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Oil <input type="checkbox"/>	<input type="checkbox"/> NW-HCID Screen	<input type="checkbox"/> 1664 HEM <input type="checkbox"/> 1664 SGT <input type="checkbox"/>	<input checked="" type="checkbox"/> Congeners <input type="checkbox"/>	<input type="checkbox"/> PAHS 8310 <input type="checkbox"/> SIM <input type="checkbox"/>	<input type="checkbox"/> Metals (Total) or Dissolved (See list below)	<input type="checkbox"/> Cyanide <input type="checkbox"/> Hex-Chrom <input type="checkbox"/>	<input type="checkbox"/> pH, Cond., Cl, SO4, PO4, F, NO2, NO3, BOD, TSS, TDS (circle)	<input type="checkbox"/> NH3-N, COD, Total-P, TKN, TOC, DOC (circle) NO2+NO3	<input type="checkbox"/> TOX 9020 <input type="checkbox"/> AOX 1650 <input type="checkbox"/> 506			

REPORT REQUIREMENTS

- I. Routine Report: Method Blank, Surrogate, as required
- II. Report Dup., MS, MSD as required
- III. Data Validation Report (Includes all raw data)
- IV. CLP Deliverable Report
- V. EDD

INVOICE INFORMATION

P.O. # _____
 Bill To: _____
 TURNAROUND REQUIREMENTS
 24 hr. _____ 48 hr. _____
 5 Day _____
 Standard (10-15 working days)
 Provide FAX Results
 Requested Report Date _____

Circle which metals are to be analyzed:
 Total Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Na Se Sr Tl Sn V Zn Hg
 Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Tl Sn V Zn Hg
 *INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: _____ (CIRCLE ONE)

SPECIAL INSTRUCTIONS/COMMENTS:
Gran size jar for Bor jar, Rest of analysis in 16 oz jar

RELINQUISHED BY: _____
 Signature: _____ Date/Time: 11/16/07 11:13
 Printed Name: _____ Firm: _____

RECEIVED BY: _____
 Signature: _____ Date/Time: 1-17-07
 Printed Name: _____ Firm: _____

RELINQUISHED BY: _____
 Signature: _____ Date/Time: _____
 Printed Name: _____ Firm: _____

RECEIVED BY: _____
 Signature: _____ Date/Time: _____
 Printed Name: _____ Firm: _____



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PAGE 6 OF 5 COC # 6

SR#:

COC # 6

CHAIN OF CUSTODY

PROJECT NAME: Lockhart West Seattle
 PROJECT NUMBER: 5205
 PROJECT MANAGER: Terrill Forhan
 COMPANY ADDRESS: _____
 CITY/STATE/ZIP: _____
 EMAIL ADDRESS: _____
 PHONE #: _____ FAX#: _____
 SAMPLER'S SIGNATURE: _____

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	NUMBER OF CONTAINERS
TT 22-CS-J	1/26/07	15:28		Sed	2
TT 26-CS-B	1/26/07	14:56			3
TT 26-CS-C		14:56			3
TT 26-CS-D		14:56			2
TT 26-CS-E		14:56			2
TT 26-CS-F		14:56			3
TT 26-CS-G		14:56			2
TT 26-CS-H		14:56			2
TT 26-CS-I		14:56			2
TT 26-CS-J		14:56			2

SEMIVOLATILE ORGANICS BY GC/MS	VOLATILE ORGANICS	HYDROCARBONS (*see below)	FUEL FINGERPRINT (FIQ)	OIL & GREASE/TRPH	PCB'S	PAH'S	METALS (Total or Dissolved)	CYANIDE	pH, COND., Cl, SO4, PO4, F, NO2, NO3, BOD, TSS, TDS (circle)	NH3-N, COD, Total-P, TKN, TOC, DOC (circle) NO2+NO3	TOX 9020	AOX 1650	506	REMARKS
625 <input type="checkbox"/> 8270 <input type="checkbox"/> 8270LL <input checked="" type="checkbox"/>	624 <input type="checkbox"/> 8260 <input type="checkbox"/>	Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Oil <input type="checkbox"/>	<input type="checkbox"/> NW-HCID Screen	1664 HEM <input type="checkbox"/> 1664 SGT <input type="checkbox"/>	Aroclors <input checked="" type="checkbox"/> Congeners <input type="checkbox"/>	8310 <input type="checkbox"/> SIM <input type="checkbox"/>	(See list below)	<input type="checkbox"/>	Hex-Chrom <input type="checkbox"/>	608 <input type="checkbox"/> 8081A <input checked="" type="checkbox"/> 8141A <input type="checkbox"/> 8151A <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Archive Freng 802 PCB Cont Archive Freng 1602 metals SVOC Archive 802 gran size

REPORT REQUIREMENTS	INVOICE INFORMATION	TURNAROUND REQUIREMENTS	SPECIAL INSTRUCTIONS/COMMENTS:
I. Routine Report: Method Blank, Surrogate, as required	P.O. # _____ Bill To: <u>Sen Hawkins</u>	24 hr. _____ 48 hr. _____ 5 Day _____ Standard (10-15 working days) _____ Provide FAX Results _____	*INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: _____ (CIRCLE ONE) 6 gram size jar is 802 jar, rest of analysis in 16-oz jar
II. Report Dup., MS, MSD as required	Requested Report Date _____	Requested Report Date _____	

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Signature: _____ Date/Time: <u>1/26/07 11:13</u> Printed Name: _____ Firm: _____	Signature: _____ Date/Time: <u>1-19-07</u> Printed Name: _____ Firm: _____	Signature: _____ Date/Time: _____ Printed Name: _____ Firm: _____	Signature: _____ Date/Time: _____ Printed Name: _____ Firm: _____



CHAIN OF CUSTODY

PROJECT NAME: Lockheed West Seattle
 PROJECT NUMBER:
 PROJECT MANAGER:
 COMPANY ADDRESS:
 CITY/STATE/ZIP:
 E-MAIL ADDRESS:
 PHONE #: FAX #:
 SAMPLER'S SIGNATURE: [Signature]

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	NUMBER OF CONTAINERS	Semivolatile Organics by GC/MS 625 <input type="checkbox"/> 8270 <input type="checkbox"/> 8270LL <input checked="" type="checkbox"/>	Volatile Organics 624 <input type="checkbox"/> 8260 <input type="checkbox"/> 8021 <input type="checkbox"/> BTEX <input type="checkbox"/>	Hydrocarbons (*see below) Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Oil <input type="checkbox"/>	Fuel Fingerprint (FIQ) <input type="checkbox"/> NW-HCID Screen	Oil & Grease/TRPH 1664 HEM <input type="checkbox"/> 1664 SGT <input type="checkbox"/>	PCB's Aroclors <input checked="" type="checkbox"/> Congeners <input type="checkbox"/>	Pesticides/Herbicides 608 <input type="checkbox"/> 8081A <input checked="" type="checkbox"/> 8141A <input type="checkbox"/> 8151A <input type="checkbox"/>	Chlorophenolics - 8151M Tri <input type="checkbox"/> Tetra <input type="checkbox"/> PCP <input type="checkbox"/>	PAHS 8310 <input type="checkbox"/> SIM <input type="checkbox"/>	Metals (Total or Dissolved) (See list below)	Cyanide <input type="checkbox"/> Hex-Chrom <input type="checkbox"/>	pH, Cond., Cl, SO ₄ , PO ₄ , F, NO ₂ , NO ₃ , BOD, TSS, TDS (circle)	NH ₃ -N, COD, Total-P, TKN (TOC, DOC (circle) NO ₂ +NO ₃) <u>last 2 size</u>	TOX 9020 <input type="checkbox"/> AOX 1650 <input type="checkbox"/> 506 <input type="checkbox"/>	Butyrlins Archre-Frag 802 PCB Archre-Frag 802 Archre 802 fragran size	REMARKS
TT 26-CS-K	1/26/07	1456	509	2																	
TT 26-CS-L	1/26/07	1456	509	2																	
TT 39-CS-A	1/26/07	925	508	3		X					X	X									
TT 39-CS-B				3		X					X	X									
TT 39-CS-C				3		X					X	X									
TT 39-CS-D				2							X	X									
TT 39-CS-E				2							X	X									
TT 39-CS-F				2							X	X									
TT 39-CS-G				2							X	X									
TT 39-CS-H				2							X	X									

REPORT REQUIREMENTS	INVOICE INFORMATION	TURNAROUND REQUIREMENTS
I. Routine Report: Method Blank, Surrogate, as required II. Report Dup., MS, MSD as required III. Data Validation Report (includes all raw data) IV. CLP Deliverable Report <input checked="" type="checkbox"/> V. EDD	P.O. # Bill To: <u>Ten Hawkins</u>	24 hr. _____ 48 hr. _____ 5 Day _____ <input checked="" type="checkbox"/> Standard (10-15 working days) Provide FAX Results Requested Report Date: _____

Circle which metals are to be analyzed:
 Total Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na S Sr Ti Sn V Zn Hg
 Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg
 *INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: _____ (CIRCLE ONE)
 SPECIAL INSTRUCTIONS/COMMENTS:
Gram size jar is for Cu, rest of analyses in 16-oz jar

RELINQUISHED BY: Signature: <u>[Signature]</u> Date/Time: <u>1/16/07</u> Printed Name: <u>IB</u> Firm: <u> </u>	RECEIVED BY: Signature: <u>[Signature]</u> Date/Time: <u>1-17-07</u> Printed Name: <u> </u> Firm: <u> </u>
RELINQUISHED BY: Signature: <u>[Signature]</u> Date/Time: <u>1/16/07</u> Printed Name: <u> </u> Firm: <u> </u>	RECEIVED BY: Signature: <u>[Signature]</u> Date/Time: <u> </u> Printed Name: <u> </u> Firm: <u> </u>



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PAGE 8 OF 15 SR# COC # 8

CHAIN OF CUSTODY

PROJECT NAME: Lockwood Wash Station
 PROJECT NUMBER: 5205
 PROJECT MANAGER: Tommy Hawklin
 COMPANY/ADDRESS: _____
 CITY/STATE/ZIP: _____
 E-MAIL ADDRESS: _____
 PHONE #: _____
 FAX#: _____
 SAMPLER'S SIGNATURE: _____

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	NUMBER OF CONTAINERS	REMARKS
TT 39-CS-E	1/12/07	925		Sed	2	
TT 39-CS-J	1/12/07	925		Sed	2	
TT 12B-CS-A	1/12/07	1552		Sed	2	
TT 12B-CS-B						
TT 12B-CS-C						
TT 12B-CS-D	1/13/07	1536		Sed	3	
TT 32-CS-B						
TT 32-CS-C						
TT 32-CS-D						
TT 32-CS-E						

REPORT REQUIREMENTS
 I. Routine Report: Method Blank, Surrogate, as required
 II. Report Dup., MS, MSD as required
 III. Data Validation Report (includes all raw data)
 IV. CLP Deliverable Report
 V. EDD

INVOICE INFORMATION
 P.O. #: _____
 Bill To: Seattle Harbor
TURNAROUND REQUIREMENTS
 24 hr. _____ 48 hr. _____
 5 Day Standard (10-15 working days)
 Provide FAX Results _____
 Requested Report Date _____

RELINQUISHED BY: _____
RECEIVED BY: _____
RELINQUISHED BY: _____
RECEIVED BY: _____

SPECIAL INSTRUCTIONS/COMMENTS:
 *INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: _____ (CIRCLE ONE)
 Total Metals: Al As Sb Ba Be B Ca Cd Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Si V Zn Hg
 Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg
 Circle which metals are to be analyzed:
 Gran Size jar is for jar, Rest of analysis in 16oz jar

NUMBER OF CONTAINERS

Semivolatile Organics by GC/MS
 625 8270 8270LL
 Volatile Organics
 624 8260 8021 BTEX
 Hydrocarbons (*see below)
 Gas Diesel Oil
 Fuel Fingerprint (FIQ)
 NW-HCID Screen
 Oil & Grease/TRPH
 1664 HEM 1664 SGT
 PCB's
 Aroclors Congeners
 Pesticides/Herbicides
 608 8081A 8141A 8151A
 Chlorophenolics - 8151M
 Tri Tetra PCP
 PAHS
 8310 SIM
 Metals, Total or Dissolved (See list below)
 Cyanide Hex-Chrom
 pH, Cond., Cl, SO₄, PO₄, F, NO₂, NO₃, BOD, TSS, TDS (circle)
 NH₃-N, COD, Total-P, TKN, TOC, DOC (circle) NO₂+NO₃ Part. des
 TOX 9020 AOX 1650 506
 Butyltin
 Archive-Frey 802 PCB
 Archive-Frey 16oz metals
 Archive 802 for gran size



CHAIN OF CUSTODY

PROJECT NAME: Lockheed West Seattle
 PROJECT NUMBER: 5205
 PROJECT MANAGER: John Hawkins
 COMPANY ADDRESS:
 CITY/STATE/ZIP:
 EMAIL ADDRESS:
 PHONE #:
 FAX #:
 SAMPLER'S SIGNATURE: _____

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX
TT32-CS-F	11/13/07	1536	Sed	2
TT32-CS-G				2
TT32-CS-H				3
TT32-CS-I				2
TT32-CS-J				2
TT32-CS-K				2
TT32-CS-L				2
TT05-CS-A	11/26/07	1214	Sed	3
TT05-CS-B				3
TT05-CS-C				3

NUMBER OF CONTAINERS	
Semivolatile Organics by GC/MS 625 <input type="checkbox"/> 8270 <input type="checkbox"/> 8270LL <input checked="" type="checkbox"/>	
Volatile Organics 624 <input type="checkbox"/> 8260 <input type="checkbox"/>	
Hydrocarbons (*see below) Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Oil <input type="checkbox"/>	
BTEX <input type="checkbox"/>	
Fuel Fingerprint (FIQ) <input type="checkbox"/>	
NW-HCID Screen <input type="checkbox"/>	
Oil & Grease/TRPH 1664 HEM <input type="checkbox"/> 1664 SGT <input type="checkbox"/>	
PCB's Aroclors <input checked="" type="checkbox"/> Congeners <input type="checkbox"/>	
Pesticides/Herbicides 608 <input type="checkbox"/> 8081A <input checked="" type="checkbox"/> 8141A <input type="checkbox"/> 8151A <input type="checkbox"/>	
Chlorophenolics - 8151M Tri <input type="checkbox"/> Tetra <input type="checkbox"/> PCP <input type="checkbox"/>	
PAHS 8310 <input type="checkbox"/> SIM <input type="checkbox"/>	
Metals, Total or Dissolved (See list below)	
Cyanide <input type="checkbox"/>	
Hex-Chrom <input type="checkbox"/>	
pH, Cond., Cl, SO4, PO4, F, NO2, NO3, BOD, TSS, TDS (circle)	
NH3-N, COD, Total-P, TKN, TOC DOC (circle) NO2+NO3 (circle)	
TOX 9020 <input type="checkbox"/> AOX 1650 <input type="checkbox"/> 506 <input type="checkbox"/>	
Butyltms	
Archive Freeze 802 PCB	
Archive Freeze 1602 Cong	
Archive - Refridg 802g rashes	

REPORT REQUIREMENTS
 I. Routine Report: Method Blank, Surrogate, as required
 II. Report Dup., MS, MSD as required
 III. Data Validation Report (includes all raw data)
 IV. CLP Deliverable Report
 V. EDD

INVOICE INFORMATION
 P.O. # _____
 Bill To: Sea Hubs
 TFC

TURNAROUND REQUIREMENTS
 24 hr. _____ 48 hr. _____
 5 Day _____
 Standard (10-15 working days)
 Provide FAX Results
 Requested Report Date _____

SPECIAL INSTRUCTIONS/COMMENTS:
 Gram Sm jar is 8 oz jar, part of analysis in 16-02 jar

REMARKS

RELINQUISHED BY: _____
 Signature: Sen Hubs Date/Time: 11/16/07 11:13
 Printed Name: _____ Firm: _____

RECEIVED BY: _____
 Signature: _____ Date/Time: 11/22/07
 Printed Name: _____ Firm: _____

RELINQUISHED BY: _____
 Signature: _____ Date/Time: _____
 Printed Name: _____ Firm: _____

RECEIVED BY: _____
 Signature: _____ Date/Time: _____
 Printed Name: _____ Firm: _____



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PAGE

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COC #

10

SR#:

10

10

06/03

CHAIN OF CUSTODY

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	NUMBER OF CONTAINERS	Semivolatile Organics by GC/MS 625 <input type="checkbox"/> 8270 <input type="checkbox"/> 8270LL <input checked="" type="checkbox"/>	Volatile Organics 624 <input type="checkbox"/> 8260 <input type="checkbox"/>	Hydrocarbons (*see below) Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Oil <input type="checkbox"/>	Fuel Fingerprint (FIQ) <input type="checkbox"/> NW-HCID Screen	Oil & Grease/TRPH 1664 HEM <input type="checkbox"/> 1664 SGT <input type="checkbox"/>	PCB's Aroclors <input checked="" type="checkbox"/> Congeners <input type="checkbox"/>	Pesticides/Herbicides 608 <input type="checkbox"/> 8081A <input checked="" type="checkbox"/> 8141A <input type="checkbox"/> 8151A <input type="checkbox"/>	Chlorophenolics - 8151M Tri <input type="checkbox"/> Tetra <input type="checkbox"/> PCP <input type="checkbox"/>	PAHS 8310 <input type="checkbox"/> SIM <input type="checkbox"/>	Metals (Total or Dissolved) (See list below)	Cyanide <input type="checkbox"/> Hex-Chrom <input type="checkbox"/>	pH, Cond., Cl, SO ₄ , PO ₄ , F, NO ₂ , NO ₃ , BOD, TSS, TDS (circle)	NH ₃ -N, COD, Total-P, TKN (TOC) DOC (circle) NO ₂ +NO ₃ (circle)	TOX 9020 <input type="checkbox"/> AOX 1650 <input type="checkbox"/> 506 <input type="checkbox"/>	REMARKS	
TT05-CS-D	1/12	1214	Spl	2																	
TT05-CS-E				2																	
TT05-CS-F				2																	
TT05-CS-G				2																	
TT05-PD-A				2																	
TT05-PD-B				2																	
TT37-CS-A	1/13	1429	Spl	3																	
TT37-CS-B				3																	
TT37-CS-C				3																	
TT37-CS-D				3																	

REPORT REQUIREMENTS

- I. Routine Report: Method Blank, Surrogate, as required
- II. Report Dup., MS, MSD as required
- III. Data Validation Report (includes all raw data)
- IV. CLP Deliverable Report
- V. EDD

INVOICE INFORMATION

P.O. # _____
 Bill To: Jennif A He
 P. O. # _____
 Requested Report Date _____

Circle which metals are to be analyzed:
 Total Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg

Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg

*INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: _____ (CIRCLE ONE)

SPECIAL INSTRUCTIONS/COMMENTS:
Gram Si-Ze jar is for jar, rest of analysis in 16oz jar

RELINQUISHED BY:

Signature: [Signature]
 Date/Time: 1/16/07 1113
 Printed Name: _____ Firm: _____

RECEIVED BY:

Signature: [Signature]
 Date/Time: 1-17-07
 Printed Name: _____ Firm: _____

RELINQUISHED BY:

Signature: _____
 Date/Time: _____
 Printed Name: _____ Firm: _____

RECEIVED BY:

Signature: _____
 Date/Time: _____
 Printed Name: _____ Firm: _____



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PAGE 11 OF 15 SR#: COC # 11

CHAIN OF CUSTODY

PROJECT NAME: Lockwood Lead Sulfide

PROJECT NUMBER: 5205

PROJECT MANAGER:

COMPANY/ADDRESS:

CITY/STATE/ZIP:

E-MAIL ADDRESS:

PHONE #:

FAX #:

SAMPLER'S SIGNATURE:

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	NUMBER OF CONTAINERS	SEMIVOLATILE ORGANICS BY GC/MS	Volatile Organics	Hydrocarbons (*see below)	Fuel Fingerprint (FIQ)	NW-HCID Screen	Oil & Grease/TRPH	PCB's	Aroclors	Congeners	Pesticides/Herbicides	Chlorophenolics - 8151M	Tri	Tetra	PCP	PAHS	8310	SIM	Metals, Total or Dissolved	(See list below)	Cyanide	Hex-Chrom	pH, Cond., Cl, SO4, PO4, F, NO2, NO3, BOD, TSS, TDS (circle)	NH3-N, COD, Total-P, TKN, TOC, DOC (circle) NO2+NO3	TOX 9020	AOX 1650	506	REMARKS				
TT37-CS-E	1/3/07	1429		Sed	2																															
TT37-CS-F																																				
TT37-CS-G																																				
TT37-CS-H																																				
TT37-CS-I																																				
TT37-CS-J																																				
TT37-CS-K																																				
TT37-CS-L																																				
TT25-CS-B	1/2/07	859		Sed	3																															
TT25-CS-C	1/2/07	859		Sed	3																															

REPORT REQUIREMENTS

- I. Routine Report: Method Blank, Surrogate, as required
- II. Report Dup., MS, MSD as required
- III. Data Validation Report (includes all raw data)
- IV. CLP Deliverable Report
- V. EDD

INVOICE INFORMATION

P.O. # _____
 Bill To: For Howley
Spec

TURNAROUND REQUIREMENTS

- 24 hr. _____ 48 hr. _____
- 5 Day Standard (10-15 working days)
- Provide FAX Results

Requested Report Date

RELINQUISHED BY: Hals
 Signature: Hals
 Date/Time: 1/10/07
 Firm: 1113

RECEIVED BY: For Howley
 Signature: For Howley
 Date/Time: 1-19-07
 Firm: _____

RELINQUISHED BY: _____
 Signature: _____
 Date/Time: _____
 Firm: _____

RECEIVED BY: _____
 Signature: _____
 Date/Time: _____
 Firm: _____

Circle which metals are to be analyzed:
 Total Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg
 Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg
 *INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: _____ (CIRCLE ONE)
 SPECIAL INSTRUCTIONS/COMMENTS:
Gram size jar is 8oz jar, part of analysis in 16-oz jar



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PAGE 12 OF 15 SR#: COC # 12

CHAIN OF CUSTODY

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	NUMBER OF CONTAINERS	Semivolatile Organics by GC/MS 625 <input type="checkbox"/> 8270 <input type="checkbox"/> 8270LL <input checked="" type="checkbox"/>	Volatile Organics 624 <input type="checkbox"/> 8260 <input type="checkbox"/> 8021 <input type="checkbox"/> BTEX <input type="checkbox"/>	Hydrocarbons (*see below) Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Oil <input type="checkbox"/>	Fuel Fingerprint (FIQ) <input type="checkbox"/> NW-HCID Screen	Oil & Grease/TRPH 1664 HEM <input type="checkbox"/> 1664 SGT <input type="checkbox"/>	PCB's Aroclors <input checked="" type="checkbox"/> Congeners <input type="checkbox"/>	Pesticides/Herbicides 608 <input type="checkbox"/> 8081A <input checked="" type="checkbox"/> 8141A <input type="checkbox"/> 8151A <input type="checkbox"/>	Chlorophenolics - 8151M Tri <input type="checkbox"/> Tetra <input type="checkbox"/> PCP <input type="checkbox"/>	PAHS 8310 <input type="checkbox"/> SIM <input type="checkbox"/>	Metals (Total or Dissolved) (See list below)	Cyanide <input type="checkbox"/> Hex-Chrom <input type="checkbox"/>	pH, Cond., Cl, SO ₄ , PO ₄ , F, NO ₂ , NO ₃ , BOD, TSS, TDS (circle)	NH ₃ -N, COD, Total-P, TKN, TOC DOC (circle) NO ₂ +NO ₃ <input checked="" type="checkbox"/>	TOX 9020 <input type="checkbox"/> AOX 1650 <input type="checkbox"/> 506 <input type="checkbox"/>	REMARKS	
TTAS-CS-D	1/16/07	859	Sed	22																	
TTAS-CS-E				22																	
TTAS-CS-F				22																	
TTAS-CS-G				22																	
TTAS-CS-H				22																	
TTAS-CS-I				22																	
TTAS-CS-J				22																	
TTAS-CS-K				22																	
TTAS-CS-L				22																	

REPORT REQUIREMENTS

- I. Routine Report: Method Blank, Surrogate, as required
- II. Report Dup., MS, MSD as required
- III. Data Validation Report (includes all raw data)
- IV. CLP Deliverable Report
- V. EDD

INVOICE INFORMATION

P.O. # _____
 Bill To: Sevin G. Hawks

TURNAROUND REQUIREMENTS

- 24 hr. _____ 48 hr. _____
- 5 Day _____
- Standard (10-15 working days)
- Provide FAX Results _____

Requested Report Date _____

RELINQUISHED BY: _____
 Signature: _____ Date/Time: 1/16/07 1113
 Printed Name: _____ Firm: _____

RECEIVED BY: _____
 Signature: _____ Date/Time: 1/17/07
 Printed Name: _____ Firm: _____

RELINQUISHED BY: _____
 Signature: _____ Date/Time: _____
 Printed Name: _____ Firm: _____

RECEIVED BY: _____
 Signature: _____ Date/Time: _____
 Printed Name: _____ Firm: _____

Circle which metals are to be analyzed:
 Total Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Ni K Ag Na Se Sr Ti Sn V Zn Hg

Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg

*INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: _____ (CIRCLE ONE)

SPECIAL INSTRUCTIONS/COMMENTS:
Gram size jar is for jar, rest of analysis in 16 oz jar

REMARKS:
Budgeting
Archive - Page 802 PCB
Archive - Page 16 oz metal
Archive - 16 oz for 802 gram size



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PAGE 13 OF 15 COC # 13

SR#:

COC #

13

CHAIN OF CUSTODY

PROJECT NAME <i>Lockheed West Seattle</i>		PROJECT NUMBER <i>5205</i>		PROJECT MANAGER <i>Senika Hawkins</i>		COMPANY ADDRESS <i>TTAC</i>		CITY/STATE/ZIP		EMAIL ADDRESS		PHONE #		FAX #		SAMPLER'S SIGNATURE	
SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	NUMBER OF CONTAINERS												
<i>RB-CS-1</i>	<i>1/5/07</i>	<i>1620</i>	<i>West 10</i>		Semivolatile Organics by GC/MS 625 <input type="checkbox"/> 8270 <input type="checkbox"/> 8270LL <input checked="" type="checkbox"/>												
					Volatile Organics 624 <input type="checkbox"/> 8260 <input type="checkbox"/> 8021 <input type="checkbox"/> BTEX <input type="checkbox"/>												
					Hydrocarbons (*see below) Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Oil <input type="checkbox"/>												
					<input type="checkbox"/> Fuel Fingerprint (FIQ) <input type="checkbox"/> NW-HCID Screen												
					<input type="checkbox"/> Oil & Grease/TRPH <input type="checkbox"/> 1664 HEM <input type="checkbox"/> 1664 SGT <input type="checkbox"/>												
					<input checked="" type="checkbox"/> PCB's <input checked="" type="checkbox"/> Aroclors <input type="checkbox"/> Congeners <input type="checkbox"/>												
					<input type="checkbox"/> Pesticides/Herbicides <input type="checkbox"/> 608 <input type="checkbox"/> 8081A <input type="checkbox"/> 8141A <input type="checkbox"/> 8151A <input type="checkbox"/>												
					<input type="checkbox"/> Chlorophenolics - 8151M <input type="checkbox"/> Tri <input type="checkbox"/> Tetra <input type="checkbox"/> PCP <input type="checkbox"/>												
					<input type="checkbox"/> PAHS 8310 <input type="checkbox"/> SIM <input type="checkbox"/>												
					<input type="checkbox"/> Metals, Total or Dissolved (See list below)												
					<input type="checkbox"/> Cyanide <input type="checkbox"/> Hex-Chrom <input type="checkbox"/>												
					<input type="checkbox"/> pH, Cond., Cl, SO ₄ , PO ₄ , F, NO ₂ , NO ₃ , BOD, TSS, TDS (circle)												
					<input type="checkbox"/> NH ₃ -N, COD, Total-P, TKN, <input checked="" type="checkbox"/> TOC, DOC (circle) NO ₂ +NO ₃												
					<input type="checkbox"/> TOX 9020 <input type="checkbox"/> AOX 1650 <input type="checkbox"/> 506 <input type="checkbox"/>												
					<i>Budytins</i>												
					REMARKS <i>Resub blank</i>												

REPORT REQUIREMENTS

I. Routine Report: Method Blank, Surrogate, as required

II. Report Dup., MS, MSD as required

III. Data Validation Report (includes all raw data)

IV. CLP Deliverable Report

XV. EDD

RELINQUISHED BY:
Signature: *[Signature]* Date/Time: *1/16/07*
Printed Name: *[Name]* Firm: *TTAC*

INVOICE INFORMATION

P.O. # *[Blank]*
Bill To: *Senika Hawkins*

TURNAROUND REQUIREMENTS

24 hr. 48 hr. 5 Day Standard (10-15 working days)
Provide FAX Results

Requested Report Date

RECEIVED BY:
Signature: *[Signature]* Date/Time: *01-17-07*
Printed Name: *[Name]* Firm: *[Firm]*

RELINQUISHED BY:
Signature: *[Signature]* Date/Time: *[Blank]*
Printed Name: *[Blank]* Firm: *[Blank]*

RECEIVED BY:
Signature: *[Blank]* Date/Time: *[Blank]*
Printed Name: *[Blank]* Firm: *[Blank]*

PROJECT NUMBER <u>5205</u>		PROJECT NAME <u>Lockheed Westgate</u>																																		
PROJECT MANAGER <u>Jan Hurks</u>		COMPANY ADDRESS																																		
CITY/STATE/ZIP		E-MAIL ADDRESS																																		
PHONE #		FAX #																																		
SAMPLER'S SIGNATURE <u>[Signature]</u>																																				
SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	NUMBER OF CONTAINERS	SEMIVOLATILE ORGANICS BY GC/MS 625 <input type="checkbox"/> 8270 <input type="checkbox"/> 8270LL <input checked="" type="checkbox"/>	Volatile Organics 624 <input type="checkbox"/> 8260 <input type="checkbox"/>	Hydrocarbons (*see below) Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Oil <input type="checkbox"/>	BTEX <input type="checkbox"/>	Fuel Fingerprint (FIQ) <input type="checkbox"/>	NW-HCID Screen <input type="checkbox"/>	Oil & Grease/TRPH 1664 HEM <input type="checkbox"/> 1664 SGT <input type="checkbox"/>	PCB's Aroclors <input checked="" type="checkbox"/> Congeners <input type="checkbox"/>	Pesticides/Herbicides 608 <input type="checkbox"/> 8081A <input checked="" type="checkbox"/> 8141A <input type="checkbox"/> 8151A <input type="checkbox"/>	Chlorophenolics - 8151M Tri <input type="checkbox"/> Tetra <input type="checkbox"/> PCP <input type="checkbox"/>	PAHS 8310 <input type="checkbox"/> SIM <input type="checkbox"/>	Metals, Total or Dissolved (See list below)	Cyanide <input type="checkbox"/> Hex-Chrom <input type="checkbox"/>	pH, Cond., Cl, SO4, PO4, F, NO2, NO3, BOD, TSS, TDS (circle)	NH3-N, COD, Total-P, TKN, TOC, DOC (circle) NO2+NO3 <input checked="" type="checkbox"/>	TOX 9020 <input type="checkbox"/> AOX 1650 <input type="checkbox"/> 506 <input type="checkbox"/>	REMARKS														
TT14-CS-B	1/3/07	1137		Sol	3	X						X	X																							
TT14-CS-C					3	X						X	X																							
TT14-CS-D					2							X	X																							
TT14-CS-E					2							X	X																							
TT14-CS-F					2							X	X																							
TT14-CS-G					2							X	X																							
TT14-CS-H					2							X	X																							
TT14-CS-I					2							X	X																							
TT14-CS-J					3	X																														
TT14-CS-K					2							X	X																							

REPORT REQUIREMENTS I. Routine Report: Method Blank, Surrogate, as required II. Report Dup., MS, MSD as required III. Data Validation Report (Includes all raw data) IV. CLP Deliverable Report V. EDD		INVOICE INFORMATION P.O. # _____ Bill To: <u>Jan Hurks</u> TURNAROUND REQUIREMENTS 24 hr. _____ 48 hr. _____ 5 Day _____ Standard (10-15 working days) Provide FAX Results _____ Requested Report Date _____		RECEIVED BY: Signature: <u>[Signature]</u> Date/Time: <u>1-6-07</u> Printed Name: <u>McL...</u> Firm: _____		RELINQUISHED BY: Signature: <u>[Signature]</u> Date/Time: _____ Printed Name: _____ Firm: _____		RECEIVED BY: Signature: _____ Date/Time: _____ Printed Name: _____ Firm: _____	
RELINQUISHED BY: Signature: <u>[Signature]</u> Date/Time: <u>1/6/07 11:3</u> Printed Name: <u>Jan Hurks</u> Firm: _____		RECEIVED BY: Signature: <u>[Signature]</u> Date/Time: <u>1-6-07</u> Printed Name: <u>McL...</u> Firm: _____		RELINQUISHED BY: Signature: _____ Date/Time: _____ Printed Name: _____ Firm: _____		RECEIVED BY: Signature: _____ Date/Time: _____ Printed Name: _____ Firm: _____			

CIRCLE WHICH METALS ARE TO BE ANALYZED:
 Total Metals: Al S Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zr Hg

Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg

*INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: (CIRCLE ONE)

SPECIAL INSTRUCTIONS/COMMENTS:
Grain size Jan 15 802 Jan



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PAGE 415 OF 15 SR# COC # 15

CHAIN OF CUSTODY

PROJECT NAME: Lockland West Saddle
 PROJECT NUMBER: 5105
 PROJECT MANAGER: Terrilyn Hawkins
 COMPANY/ADDRESS: _____
 CITY/STATE/ZIP: _____
 E-MAIL ADDRESS: _____
 PHONE #: _____
 FAX#: _____
 SAMPLER'S SIGNATURE: _____
 SAMPLE I.D.: _____ DATE: _____ TIME: _____ LAB I.D.: _____ MATRIX: _____

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	NUMBER OF CONTAINERS	Semivolatile Organics by GC/MS 625 <input type="checkbox"/> 8270 <input type="checkbox"/> 8270LL <input checked="" type="checkbox"/>	Volatile Organics 624 <input type="checkbox"/> 8260 <input type="checkbox"/>	Hydrocarbons (*see below) Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Oil <input type="checkbox"/>	Fuel Fingerprint (FIQ) <input type="checkbox"/> NW-HCID Screen	Oil & Grease/TRPH 1664 HEM <input type="checkbox"/> 1664 SGT <input type="checkbox"/>	PCB's Aroclors <input checked="" type="checkbox"/> Congeners <input type="checkbox"/>	Pesticides/Herbicides 608 <input type="checkbox"/> 8081A <input checked="" type="checkbox"/> 8141A <input type="checkbox"/> 8151A <input type="checkbox"/>	Chlorophenolics - 8151M Tri <input type="checkbox"/> Tetra <input type="checkbox"/> PCP <input type="checkbox"/>	PAHS 8310 <input type="checkbox"/> SIM <input type="checkbox"/>	Metals, Total or Dissolved (See list below)	Cyanide <input type="checkbox"/>	Hex-Chrom <input type="checkbox"/>	pH, Cond., Cl, SO ₄ , PO ₄ , F, NO ₂ , NO ₃ , BOD, TSS, TDS (circle)	NH ₃ -N, COD, Total-P, TKN, TOC DOC (circle) NO ₂ +NO ₃ <input checked="" type="checkbox"/>	TOX 9020 <input type="checkbox"/> AOX 1650 <input type="checkbox"/> 506 <input type="checkbox"/>	REMARKS	
TT4-CS-L	11/3/07	1137		Sol																		
TT14-CS-M	11/3/07	1137		Sol																		
TT90-CS-A	11/3/07	1200		Sol																		
TT90-CS-B																						
TT90-CS-C																						

REPORT REQUIREMENTS:
 I. Routine Report: Method Blank, Surrogate, as required
 II. Report Dup., MS, MSD as required
 III. Data Validation Report (includes all raw data)
 IV. CLP Deliverable Report
 XV. EDD

INVOICE INFORMATION:
 P.O. #: _____
 Bill To: Terrilyn Hawkins

TURNAROUND REQUIREMENTS:
 24 hr. _____ 48 hr. _____
 5 Day _____
 Standard (10-15 working days)
 Provide FAX Results _____
 Requested Report Date _____

SPECIAL INSTRUCTIONS/COMMENTS:
 *INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: _____ (CIRCLE ONE)
Gravel size is for jar

RELINQUISHED BY: _____ RECEIVED BY: _____
 Signature: _____ Date/Time: _____
 Printed Name: _____ Firm: _____



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PAGE

OF

16

COC #

16

SR#:

COC #

16

RCOC #1 06/03

CHAIN OF CUSTODY

PROJECT NUMBER	5705																							
PROJECT NAME	Locker west side																							
PROJECT MANAGER	Jennifer Hanks																							
COMPANY ADDRESS																								
CITY/STATE/ZIP																								
E-MAIL ADDRESS																								
PHONE #																								
FAX #																								
SAMPLES SIGNATURE	<i>[Signature]</i>																							
SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	NUMBER OF CONTAINERS	Semivolatile Organics by GC/MS 625 <input type="checkbox"/> 8270 <input type="checkbox"/> 8270LL <input checked="" type="checkbox"/>	Volatile Organics 624 <input type="checkbox"/> 8260 <input type="checkbox"/> 8021 <input type="checkbox"/> BTEX <input type="checkbox"/>	Hydrocarbons (*see below) Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Oil <input type="checkbox"/>	Fuel Fingerprint (FIQ) <input type="checkbox"/> NW-HCID Screen	Oil & Grease/TRPH 1664 HEM <input type="checkbox"/> 1664 SGT <input type="checkbox"/>	PCB's Aroclors <input checked="" type="checkbox"/> Congeners <input type="checkbox"/>	Pesticides/Herbicides 608 <input type="checkbox"/> 8081A <input checked="" type="checkbox"/> 8141A <input type="checkbox"/> 8151A <input type="checkbox"/>	Chlorophenolics - 8151M Tri <input type="checkbox"/> Tetra <input type="checkbox"/> PCP <input type="checkbox"/>	PAHS 8310 <input type="checkbox"/> SIM <input type="checkbox"/>	Metals, Total or Dissolved (See list below)	Cyanide <input type="checkbox"/> Hex-Chrom <input type="checkbox"/>	pH, Cond., Cl, SO4, PO4, F, NO2, NO3, BOD, TSS, TDS (circle)	NH3-N, COD, Total-P, TKN, TOC DOC (circle) NO2+NO3	TOX 9020 <input type="checkbox"/> AOX 1650 <input type="checkbox"/> 506 <input type="checkbox"/>	REMARKS				
TT35-CS-B	1/5/07	1518		Sol	3	X					X	X	X	X	X	X	X	X	X	X	X	X	X	
TT35-CS-C	1/5/07	1518		Sol	3	X					X	X	X	X	X	X	X	X	X	X	X	X	X	
TT35-CS-D	1/5/07	1518		Sol	3	X					X	X	X	X	X	X	X	X	X	X	X	X	X	
TT12-CS-B	1/5/07	942		Sol	3	X					X	X	X	X	X	X	X	X	X	X	X	X	X	
TT12-CS-C	1/5/07				3	X					X	X	X	X	X	X	X	X	X	X	X	X	X	
TT12-CS-E	1/5/07				2	X					X	X	X	X	X	X	X	X	X	X	X	X	X	
TT12-CS-F	1/5/07				2	X					X	X	X	X	X	X	X	X	X	X	X	X	X	
TT12-CS-G	1/5/07				2	X					X	X	X	X	X	X	X	X	X	X	X	X	X	
TT12-CS-H	1/5/07				2	X					X	X	X	X	X	X	X	X	X	X	X	X	X	

REPORT REQUIREMENTS

- I. Routine Report: Method Blank, Surrogate, as required
- II. Report Dup., MS, MSD as required
- III. Data Validation Report (includes all raw data)
- IV. CLP Deliverable Report
- V. EDD

INVOICE INFORMATION

P.O. # _____
 Bill To: Janic Hua
 TURNAROUND REQUIREMENTS
 24 hr. _____ 48 hr. _____
 5 Day _____
 Standard (10-15 working days)
 Provide FAX Results
 Requested Report Date _____

Circle which metals are to be analyzed:

- Total Metals: Al Sb Ba Be B Ca Cd Co Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg
- Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg
- *INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: _____ (CIRCLE ONE)

SPECIAL INSTRUCTIONS/COMMENTS:

Gran size in 802

RELINQUISHED BY:

Signature: [Signature] Date/Time: 1/19/07 906
 Printed Name: Janic Hua Firm: _____

RECEIVED BY:

Signature: [Signature] Date/Time: 1-19-07
 Printed Name: Janic Hua Firm: _____

RELINQUISHED BY:

Signature: _____ Date/Time: _____
 Printed Name: _____ Firm: _____

RECEIVED BY:

Signature: _____ Date/Time: _____
 Printed Name: _____ Firm: _____



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PAGE 2 OF 16 COC # 17

CHAIN OF CUSTODY

SR#: _____

PROJECT NAME: <u>Lockhead West Seattle</u> PROJECT NUMBER: <u>5105</u> PROJECT MANAGER: <u>Sonja G. Hankins</u> COMPANY/ADDRESS: <u>12100 NE 195 St</u> CITY/STATE/ZIP: <u>Bothell</u> E-MAIL ADDRESS: _____ PHONE #: _____ FAX #: _____ SAMPLE SIGNATURE: <u>[Signature]</u>		SAMPLE I.D.: _____ DATE: _____ TIME: _____ LAB I.D.: _____ MATRIX: _____	
NUMBER OF CONTAINERS Semivolatile Organics by GC/MS 625 <input type="checkbox"/> 8270 <input type="checkbox"/> 8270LL <input type="checkbox"/> Volatile Organics 624 <input type="checkbox"/> 8260 <input type="checkbox"/> 8021 <input type="checkbox"/> BTEX <input type="checkbox"/> Hydrocarbons (*see below) Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Oil <input type="checkbox"/> <input type="checkbox"/> Fuel Fingerprint (FIQ) <input type="checkbox"/> NW-HCID Screen Oil & Grease/TRPH 1664 HEM <input type="checkbox"/> 1664 SGT <input type="checkbox"/> PCB's Aroclors <input type="checkbox"/> Congeners <input type="checkbox"/> Pesticides/Herbicides 608 <input type="checkbox"/> 8081A <input type="checkbox"/> 8141A <input type="checkbox"/> 8151A <input type="checkbox"/> Chlorophenolics - 8151M Tri <input type="checkbox"/> Tetra <input type="checkbox"/> PCP <input type="checkbox"/> PAHS 8310 <input type="checkbox"/> SIM <input type="checkbox"/> Metals, Total or Dissolved (See list below) Cyanide <input type="checkbox"/> Hex-Chrom <input type="checkbox"/> pH, Cond., Cl, SO ₄ , PO ₄ , F, NO ₂ , NO ₃ , BOD, TSS, TDS (circle) NH ₃ -N, COD, Total-P, TKN, TOC, DOC (circle) NO ₂ +NO ₃ TOX 9020 <input type="checkbox"/> AOX 1650 <input type="checkbox"/> 506 <input type="checkbox"/> Archive May 16 02 Archive 807 Grain Site Archive 3202 DREF Archive 3202 DREF			
REPORT REQUIREMENTS I. Routine Report: Method Blank, Surrogate, as required II. Report Dup., MS, MSD as required III. Data Validation Report (includes all raw data) IV. CLP Deliverable Report <input checked="" type="checkbox"/> V. EDD		INVOICE INFORMATION P.O. # _____ Bill To: <u>Son Hankins</u> TURNAROUND REQUIREMENTS 24 hr. _____ 48 hr. _____ <input checked="" type="checkbox"/> 5 Day Standard (10-15 working days) Provide FAX Results _____ Requested Report Date _____	
RELINQUISHED BY: Signature: <u>[Signature]</u> Date/Time: <u>1/19/07</u> Printed Name: <u>Son Hankins</u> Firm: _____		RECEIVED BY: Signature: <u>[Signature]</u> Date/Time: <u>1-19-07</u> Printed Name: <u>[Name]</u> Firm: _____	
RELINQUISHED BY: Signature: _____ Date/Time: _____ Printed Name: _____ Firm: _____		RECEIVED BY: Signature: _____ Date/Time: _____ Printed Name: _____ Firm: _____	



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PAGE 3 OF 16 SR# 6 COC # 18

CHAIN OF CUSTODY

PROJECT NUMBER: 5205
PROJECT MANAGER: Jan Hawkins
COMPANY/ADDRESS: TFC

CITY/STATE/ZIP: Bothell
E-MAIL ADDRESS: [blank]
PHONE #: [blank]
FAX #: [blank]
SAMPLE SIGNATURE: [Signature]

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX
TT12-CM-4850	1/15	10:55	S4	22
TT12-CM-5051	1/15		22	22
TT12-CM-5152	1/15		22	22
TT12-CM-5253	1/15		22	22

NUMBER OF CONTAINERS	
Semivolatile Organics by GC/MS 625 <input type="checkbox"/> 8270 <input type="checkbox"/> 8270LL <input type="checkbox"/>	
Volatile Organics 624 <input type="checkbox"/> 8260 <input type="checkbox"/> 8021 <input type="checkbox"/> BTEX <input type="checkbox"/>	
Hydrocarbons (*see below) Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Oil <input type="checkbox"/>	
<input type="checkbox"/> Fuel Fingerprint (FIQ) <input type="checkbox"/> NW-HCID Screen	
Oil & Grease/TRPH 1664 HEM <input type="checkbox"/> 1664 SGT <input type="checkbox"/>	
PCB's Aroclors <input type="checkbox"/> Congeners <input type="checkbox"/>	
Pesticides/Herbicides 608 <input type="checkbox"/> 8081A <input type="checkbox"/> 8141A <input type="checkbox"/> 8151A <input type="checkbox"/>	
Chlorophenolics - 8151M Tri <input type="checkbox"/> Tetra <input type="checkbox"/> PCP <input type="checkbox"/>	
PAHS 8310 <input type="checkbox"/> SIM <input type="checkbox"/>	
Metals, Total or Dissolved (See list below)	
Cyanide <input type="checkbox"/> Hex-Chrom <input type="checkbox"/>	
pH, Cond., Cl, SO ₄ , PO ₄ , F, NO ₂ , NO ₃ , BOD, TSS, TDS (circle)	
NH ₃ -N, COD, Total-P, TKN, TOC, DOC (circle) NO ₂ +NO ₃	
TOX 9020 <input type="checkbox"/> AOX 1650 <input type="checkbox"/> 506 <input type="checkbox"/>	
REMARKS	Archive 3202 for DREF for C12

REPORT REQUIREMENTS	INVOICE INFORMATION	SPECIAL INSTRUCTIONS/COMMENTS:
I. Routine Report: Method Blank, Surrogate, as required	P.O. # Bill To: Jan Hawkins	Circle which metals are to be analyzed: Total Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg *INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: (CIRCLE ONE)
II. Report Dup., MS, MSD as required	TURNAROUND REQUIREMENTS 24 hr. 48 hr. 5 Day	
III. Data Validation Report (includes all raw data)	Requested Report Date	SPECIAL INSTRUCTIONS/COMMENTS: Archive - Feas 3202 for potential composite for DREF or column setting.
IV. CLP Deliverable Report		
V. EDD		

RELINQUISHED BY: [Signature] Date/Time: 1/15/07 Firm: TFC

RECEIVED BY: [Signature] Date/Time: 1-19-07 Firm: [blank]

RELINQUISHED BY: [Signature] Date/Time: [blank] Firm: [blank]

RECEIVED BY: [Signature] Date/Time: [blank] Firm: [blank]



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CHAIN OF CUSTODY

PAGE 4 OF 16 COC # 19

SR#: _____

PROJECT NUMBER: 9205
PROJECT NAME: Lockheed West Seattle
PROJECT MANAGER: Terri G. Hanks

COMPANY ADDRESS: TTCC
CITY/STATE/ZIP: _____
E-MAIL ADDRESS: _____
PHONE #: _____
FAX#: _____

SAMPLER'S SIGNATURE: _____
DATE: 1/5/07
TIME: 1234
LAB I.D.: _____
MATRIX: Sd

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX
TT18-CS-A	1/5/07	1234	Sd	R
TT18-CS-B				R
TT18-CS-C				M
TT18-CS-D				M
TT18-CS-E				M
TT18-CS-F				M
TT18-CS-G				M
TT18-CS-H				M
TT18-CS-I				M
TT18-CS-J				M

NUMBER OF CONTAINERS	
Semivolatile Organics by GC/MS	625 <input type="checkbox"/> 8270 <input type="checkbox"/> 8270LL <input checked="" type="checkbox"/>
Volatile Organics	624 <input type="checkbox"/> 8260 <input type="checkbox"/>
Hydrocarbons (*see below)	Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Oil <input type="checkbox"/>
Fuel Fingerprint (FIQ)	<input type="checkbox"/> NW-HCID Screen
Oil & Grease/TRPH	1664 HEM <input type="checkbox"/> 1664 SGT <input type="checkbox"/>
PCB's	Aroclors <input checked="" type="checkbox"/> Congeners <input type="checkbox"/>
Pesticides/Herbicides	608 <input type="checkbox"/> 8081A <input checked="" type="checkbox"/> 8141A <input type="checkbox"/> 8151A <input type="checkbox"/>
Chlorophenolics - 8151M	Tri <input type="checkbox"/> Tetra <input type="checkbox"/> PCP <input type="checkbox"/>
PAHS	8310 <input type="checkbox"/> SIM <input type="checkbox"/>
Metals, Total or Dissolved (See list below)	
Cyanide	Hex-Chrom <input type="checkbox"/>
pH, Cond., Cl, SO ₄ , PO ₄ , F, NO ₂ , NO ₃ , BOD, TSS, TDS (circle)	
NH ₃ -N, COD, Total-P, TKN, TOC, DOC (circle) NO ₂ +NO ₃	
TOX 9020	AOX 1650 <input type="checkbox"/> 506 <input type="checkbox"/>
Butyltin	
Archive Freze 802	PCB conc
Archive Freze 1602	metal
Archive 802	gram size

CIRCLE WHICH METALS ARE TO BE ANALYZED:	
Total Metals: Al <input checked="" type="checkbox"/> As <input checked="" type="checkbox"/> Sb <input checked="" type="checkbox"/> Ba <input checked="" type="checkbox"/> Be <input checked="" type="checkbox"/> B <input checked="" type="checkbox"/> Ca <input checked="" type="checkbox"/> Cd <input checked="" type="checkbox"/> Co <input checked="" type="checkbox"/> Cr <input checked="" type="checkbox"/> Cu <input checked="" type="checkbox"/> Fe <input checked="" type="checkbox"/> Pb <input checked="" type="checkbox"/> Mg <input checked="" type="checkbox"/> Mn <input checked="" type="checkbox"/> Mo <input checked="" type="checkbox"/> Ni <input checked="" type="checkbox"/> K <input checked="" type="checkbox"/> Ag <input checked="" type="checkbox"/> Na <input checked="" type="checkbox"/> Se <input checked="" type="checkbox"/> Sr <input checked="" type="checkbox"/> Ti <input checked="" type="checkbox"/> Sn <input checked="" type="checkbox"/> V <input checked="" type="checkbox"/> Zn <input checked="" type="checkbox"/> Hg <input checked="" type="checkbox"/>	
Dissolved Metals: Al <input type="checkbox"/> As <input type="checkbox"/> Sb <input type="checkbox"/> Ba <input type="checkbox"/> Be <input type="checkbox"/> B <input type="checkbox"/> Ca <input type="checkbox"/> Cd <input type="checkbox"/> Co <input type="checkbox"/> Cr <input type="checkbox"/> Cu <input type="checkbox"/> Fe <input type="checkbox"/> Pb <input type="checkbox"/> Mg <input type="checkbox"/> Mn <input type="checkbox"/> Mo <input type="checkbox"/> Ni <input type="checkbox"/> K <input type="checkbox"/> Ag <input type="checkbox"/> Na <input type="checkbox"/> Se <input type="checkbox"/> Sr <input type="checkbox"/> Ti <input type="checkbox"/> Sn <input type="checkbox"/> V <input type="checkbox"/> Zn <input type="checkbox"/> Hg <input type="checkbox"/>	

*INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: _____ (CIRCLE ONE)

REPORT REQUIREMENTS

I. Routine Report: Method Blank, Surrogate, as required

II. Report Dup., MS, MSD as required

III. Data Validation Report (includes all raw data)

IV. CLP Deliverable Report

V. EDD

INVOICE INFORMATION

P.O. # _____

Bill To: Sen H

TURNAROUND REQUIREMENTS

24 hr. _____ 48 hr. _____

5 Day _____

Standard (10-15 working days)

Provide FAX Results

Requested Report Date _____

SPECIAL INSTRUCTIONS/COMMENTS:

Gram size jar's 802

RELINQUISHED BY:

Signature: _____ Date/Time: 1/16/07 906

Printed Name: _____ Firm: TTCC

RECEIVED BY:

Signature: _____ Date/Time: 1/19/07

Printed Name: _____ Firm: TTCC

RELINQUISHED BY:

Signature: _____ Date/Time: _____

Printed Name: _____ Firm: _____

RECEIVED BY:

Signature: _____ Date/Time: _____

Printed Name: _____ Firm: _____

RELINQUISHED BY:

Signature: _____ Date/Time: _____

Printed Name: _____ Firm: _____

CHAIN OF CUSTODY

PROJECT NAME: Lockheed West South
 PROJECT NUMBER: 5205
 PROJECT MANAGER: Jennifer Hanks
 COMPANY/ADDRESS: _____
 CITY/STATE/ZIP: _____
 E-MAIL ADDRESS: _____
 PHONE #: _____ FAX#: _____
 SAMPLER'S SIGNATURE: _____
 SAMPLE I.D.: _____ DATE: _____ TIME: _____ LAB I.D.: _____ MATRIX: _____

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	NUMBER OF CONTAINERS		ANALYSIS										REMARKS							
					Semivolatiles	Volatiles	Hydrocarbons	Fuel Fingerprint	Oil & Grease	PCB's	Pesticides	Chlorophenolics	PAHS	Metals	Cyanide	pH, Cond., Cl, SO4, PO4, F, NO2, NO3, BOD, TSS, TDS		NH3-N, COD, Total-P, TKN, TOC	TOX 9020					
TT18-CS-K	1/15/07	1234		Sed 2			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
TT18-CS-L	1/15/07	1234		Sed 2			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
TT19-CS-A	1/15/07	1140		Sed			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
TT19-CS-B							<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
TT19-CS-C							<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
TT19-CS-D							<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
TT19-CS-E							<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
TT19-CS-F							<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
TT19-CS-G							<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
TT19-CS-H							<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

REPORT REQUIREMENTS
 I. Routine Report: Method Blank, Surrogate, as required
 II. Report Dup., MS, MSD as required
 III. Data Validation Report (includes all raw data)
 IV. CLP Deliverable Report
 V. EDD

INVOICE INFORMATION
 P.O. #: _____
 Bill To: J. Hanks

TURNAROUND REQUIREMENTS
 24 hr. _____ 48 hr. _____
 5 Day _____
 Standard (10-15 working days)
 Provide FAX Results _____

Requested Report Date: _____

RELINQUISHED BY:
 Signature: [Signature] Date/Time: 1/19/07
 Printed Name: Jennifer Hanks Firm: _____

RECEIVED BY:
 Signature: [Signature] Date/Time: 1-19-07
 Printed Name: [Name] Firm: _____

RELINQUISHED BY:
 Signature: _____ Date/Time: _____
 Printed Name: _____ Firm: _____

RECEIVED BY:
 Signature: _____ Date/Time: _____
 Printed Name: _____ Firm: _____



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PAGE 6 OF 16 SR#: _____ COC # 21

CHAIN OF CUSTODY

PROJECT NUMBER <u>5205</u>		PROJECT NAME <u>Lockwood West Sells</u>	
PROJECT MANAGER <u>Jan Hawkins</u>		COMPANY/ADDRESS	
CITY/STATE/ZIP		E-MAIL ADDRESS	
PHONE #		FAX#	
SAMPLER'S SIGNATURE <u>[Signature]</u>		DATE	
SAMPLE I.D.	DATE	TIME	LAB I.D.
TT19-CS-E	1/15/07	1140	Sed
TT19-CS-J			
TT19-CS-1C			
TT91-CS-1A	1/15/07	1200	Sed
TT91-CS-B	1/15/07	1200	Sed
TT07-CS-B	1/16/07	957	Sed
TT07-CS-C			
TT07-CS-D			
TT07-CS-E			
TT07-CS-F			

RELINQUISHED BY: <u>[Signature]</u> Date/Time <u>1/17/07 906</u>	RECEIVED BY: <u>[Signature]</u> Date/Time <u>1-19-07</u>	RELINQUISHED BY: <u>[Signature]</u> Date/Time	RECEIVED BY: <u>[Signature]</u> Date/Time
Printed Name <u>[Name]</u> Firm	Printed Name <u>[Name]</u> Firm	Printed Name	Printed Name

NUMBER OF CONTAINERS	Semivolatile Organics by GC/MS		Volatile Organics		Hydrocarbons (*see below)		Fuel Fingerprint (FIQ)		Oil & Grease/TRPH		PCB's		Pesticides/Herbicides		Chlorophenolics - 8151M		PAHS		Metals, Total or Dissolved		Cyanide		Hex-Chrom		pH, Cond., Cl, SO4, PO4, F, NO2, NO3, BOD, TSS, TDS (circle)		NH3-N, COD, Total-P, TKN, TOC, DOC (circle) NO2+NO3 (circle)		TOX 9020		AOX 1650		506			
	625	8270	624	8260	Gas	Diesel	Oil	NW-HCID Screen	1664 HEM	1664 SGT	Aroclors	Congeners	608	8081A	8141A	8151A	Tri	Tetra	PCP	8310	SIM															
2																																				
2																																				
2																																				
3																																				
3																																				
3																																				
3																																				
2																																				

REPORT REQUIREMENTS
 I. Routine Report: Method Blank, Surrogate, as required
 II. Report Dup., MS, MSD as required
 III. Data Validation Report (includes all raw data)
 IV. CLP Deliverable Report
 V. EDD

INVOICE INFORMATION
 P.O. # _____
 Bill To: Jan Hawkins

TURNAROUND REQUIREMENTS
 24 hr. _____ 48 hr. _____
 5 Day
 Standard (10-15 working days)
 Provide FAX Results _____
 Requested Report Date _____

SPECIAL INSTRUCTIONS/COMMENTS:
Gran Size jar is 802

***INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: (CIRCLE ONE)**

Circle which metals are to be analyzed:

Total Metals:	Al	As	Ba	Be	B	Ca	Co	Cr	Cu	Fe	Pb	Mg	Mn	Mo	Ni	K	Ag	Na	Se	Sr	Ti	Sn	V	Zn	Hg		
Dissolved Metals:	Al	As	Sb	Ba	Be	B	Ca	Cd	Co	Cr	Cu	Fe	Pb	Mg	Mn	Mo	Ni	K	Ag	Na	Se	Sr	Ti	Sn	V	Zn	Hg



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PAGE 7 OF 16 SR#: COC # 22

CHAIN OF CUSTODY

PROJECT NAME <i>Lockwood and South</i>		PROJECT NUMBER <i>505</i>		PROJECT MANAGER <i>Jennifer Hobbs</i>		COMPANY/ADDRESS		CITY/STATE/ZIP <i>Bothell</i>		E-MAIL ADDRESS		PHONE #		FAX #		SAMPLER'S SIGNATURE <i>[Signature]</i>	
SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	NUMBER OF CONTAINERS												
TT07-CS-G	1/16/07	957		Soil	Semivolatile Organics by GC/MS 625 <input type="checkbox"/> 8270 <input type="checkbox"/> 8270LL <input checked="" type="checkbox"/>												
TT07-CS-H	1/16/07	957		Soil	Volatile Organics 624 <input type="checkbox"/> 8260 <input type="checkbox"/> 8021 <input type="checkbox"/> BTEX <input type="checkbox"/>												
TT30-CS-A	1/16/07	1031		Soil	Hydrocarbons (*see below) Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Oil <input type="checkbox"/>												
TT30-CS-B					<input type="checkbox"/> Fuel Fingerprint (FIQ) <input type="checkbox"/> NW-HCID Screen												
TT08-CS-B	1/16/07	1157		Soil	Oil & Grease/TRPH 1664 HEM <input type="checkbox"/> 1664 SGT <input type="checkbox"/>												
TT08-CS-C					PCB's Aroclors <input checked="" type="checkbox"/> Congeners <input type="checkbox"/>												
TT08-CS-D					Pesticides/Herbicides 608 <input type="checkbox"/> 8081A <input checked="" type="checkbox"/> 8141A <input type="checkbox"/> 8151A <input type="checkbox"/>												
TT08-CS-E					Chlorophenolics - 8151M Tri <input type="checkbox"/> Tetra <input type="checkbox"/> PCP <input type="checkbox"/>												
TT08-CS-F					PAHS 8310 <input type="checkbox"/> SIM <input type="checkbox"/>												
					Metals, Total or Dissolved (See list below)												
					Cyanide <input type="checkbox"/> Hex-Chrom <input type="checkbox"/>												
					pH, Cond., Cl, SO ₄ , PO ₄ , F, NO ₂ , NO ₃ , BOD, TSS, TDS (circle)												
					NH ₃ -N, COD, Total-P, TKN, TOC DOC (circle) NO ₂ +NO ₃												
					TOX 8000 <input type="checkbox"/> ADX 1650 <input type="checkbox"/> 506 <input type="checkbox"/>												
					<i>Body/Items</i> <i>Archive - Frame 802 PCB</i> <i>Archive - Frame 1607 make</i> <i>Archive - 802 gram size</i>												
					REMARKS												

RELINQUISHED BY:
 Signature: *[Signature]*
 Date/Time: *1/19/07*
 Printed Name: *[Name]* Firm: *[Firm]*

RECEIVED BY:
 Signature: *[Signature]*
 Date/Time: *1-19-07*
 Printed Name: *[Name]* Firm: *[Firm]*

RELINQUISHED BY:
 Signature: *[Signature]*
 Date/Time: *1-19-07*
 Printed Name: *[Name]* Firm: *[Firm]*

RECEIVED BY:
 Signature: *[Signature]*
 Date/Time: *1-19-07*
 Printed Name: *[Name]* Firm: *[Firm]*

RELINQUISHED BY:
 Signature: *[Signature]*
 Date/Time: *1-19-07*
 Printed Name: *[Name]* Firm: *[Firm]*

RECEIVED BY:
 Signature: *[Signature]*
 Date/Time: *1-19-07*
 Printed Name: *[Name]* Firm: *[Firm]*

REPORT REQUIREMENTS
 I. Routine Report: Method Blank, Surrogate, as required
 II. Report Dup., MS, MSD as required
 III. Data Validation Report (Includes all raw data)
 IV. CLP Deliverable Report
 V. EDD

INVOICE INFORMATION
 P.O. #
 Bill To:
 TURNAROUND REQUIREMENTS
 24 hr. 48 hr.
 5 Day
 Standard (10-15 working days)
 Provide FAX Results
 Requested Report Date

SPECIAL INSTRUCTIONS/COMMENTS:
Grow size jar is 8oz jar
Specific gravity analysis on TT08-CS-E

*INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: (CIRCLE ONE)

Circle which metals are to be analyzed:
 Total Metals: Al As Sb Ba Be B Ca Cd Cr Cu Fe Pb Mg Mn Ni K Na Se Sr Ti Sn Zn Hg
 Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg



CHAIN OF CUSTODY

SR#: _____

PROJECT NAME Lakewood Wash Sepp	PROJECT NUMBER 8205	PROJECT MANAGER Tammie Henderson	COMPANY/ADDRESS	CITY/STATE/ZIP 80th Ave	EMAIL ADDRESS	PHONE #	FAX #	
SAMPLER'S SIGNATURE <i>[Signature]</i>								
SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	NUMBER OF CONTAINERS			REMARKS
TT08-CS-G	1/16/07	1157	802	Soil	2			
TT08-CS-H					2			
TT08-CS-I					3			
TT08-CS-J					2			
TT08-CS-K					2			
TT08-CS-L					2			
TT08-CS-M					2			
TT09-CS-B	1/16/07	1548		Soil	3			
TT09-CS-C					3			
TT09-CS-D					3			

REPORT REQUIREMENTS	INVOICE INFORMATION	TURNAROUND REQUIREMENTS	SPECIAL INSTRUCTIONS/COMMENTS:
I. Routine Report: Method Blank, Surrogate, as required II. Report Dup., MS, MSD as required III. Data Validation Report (Includes all raw data) IV. CLP Deliverable Report V. EDD	P.O. # Bill To: <u>Tam Henderson</u>	24 hr. _____ 48 hr. _____ 5 Day _____ Standard (10-15 working days) Provide FAX Results	Circle which metals are to be analyzed: Total Metals: Al <input checked="" type="checkbox"/> As <input checked="" type="checkbox"/> Sb <input checked="" type="checkbox"/> Ba <input checked="" type="checkbox"/> Be <input checked="" type="checkbox"/> B <input checked="" type="checkbox"/> Ca <input checked="" type="checkbox"/> Cd <input checked="" type="checkbox"/> Co <input checked="" type="checkbox"/> Cr <input checked="" type="checkbox"/> Cu <input checked="" type="checkbox"/> Fe <input checked="" type="checkbox"/> Pb <input checked="" type="checkbox"/> Mg <input checked="" type="checkbox"/> Mn <input checked="" type="checkbox"/> Ni <input checked="" type="checkbox"/> K <input checked="" type="checkbox"/> Ag <input checked="" type="checkbox"/> Na <input checked="" type="checkbox"/> Sr <input checked="" type="checkbox"/> Ti <input checked="" type="checkbox"/> Sn <input checked="" type="checkbox"/> Zn <input checked="" type="checkbox"/> Hg <input checked="" type="checkbox"/> Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg *INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: _____ (CIRCLE ONE) SPECIFIC INSTRUCTIONS/COMMENTS: Grow size jar is for jar Specific gravity analysis on TT08-CS-J and TT08-CS-M and TT09-CS-C Attaching Limits on TT08-CS-M

RELINQUISHED BY: Signature: <i>[Signature]</i> Date/Time: 1/16/07 Printed Name: Tam Henderson Firm: _____	RECEIVED BY: Signature: <i>[Signature]</i> Date/Time: 1-16-07 Printed Name: _____ Firm: _____	RELINQUISHED BY: Signature: _____ Date/Time: _____ Printed Name: _____ Firm: _____	RECEIVED BY: Signature: _____ Date/Time: _____ Printed Name: _____ Firm: _____
--	--	---	---



CHAIN OF CUSTODY

PROJECT NAME: Lockheed West Seattle
 PROJECT NUMBER: 5205
 PROJECT MANAGER: Jennifer Hawkins
 COMPANY ADDRESS: _____
 CITY/STATE/ZIP: Boothville
 EMAIL ADDRESS: _____
 PHONE #: _____
 FAX #: _____
 SAMPLER'S SIGNATURE: [Signature]
 SAMPLE I.D.: _____ DATE: _____ TIME: _____ LAB I.D.: _____ MATRIX: _____

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	NUMBER OF CONTAINERS	Semivolatile Organics by GC/MS 625 <input type="checkbox"/> 8270 <input type="checkbox"/> 8270LL <input type="checkbox"/>	Volatile Organics 624 <input type="checkbox"/> 8260 <input type="checkbox"/>	Hydrocarbons (*see below) Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Oil <input type="checkbox"/>	Fuel Fingerprint (FIQ) <input type="checkbox"/> NW-HCID Screen	Oil & Grease/TRPH 1664 HEM <input type="checkbox"/> 1664 SGT <input type="checkbox"/>	PCB's Aroclors <input type="checkbox"/> Congeners <input type="checkbox"/>	Pesticides/Herbicides 608 <input type="checkbox"/> 8081A <input type="checkbox"/> 8141A <input type="checkbox"/> 8151A <input type="checkbox"/>	Chlorophenolics - 8151M Tri <input type="checkbox"/> Tetra <input type="checkbox"/> PCP <input type="checkbox"/>	PAHS 8310 <input type="checkbox"/> SIM <input type="checkbox"/>	Metals, Total or Dissolved (See list below)	Cyanide <input type="checkbox"/> Hex-Chrom <input type="checkbox"/>	pH, Cond., Cl, SO ₄ , PO ₄ , F, NO ₂ , NO ₃ , BOD, TSS, TDS (circle)	NH ₃ -N, COD, Total-P, TKN, TOC, DOC (circle) NO ₂ +NO ₃	TOX 9020 <input type="checkbox"/> AOX 1650 <input type="checkbox"/> 506 <input type="checkbox"/>	REMARKS	
TT08-CM-93-H14	1/16	1321	Sed	2																	
TT08-CM-44-45	1/16	1321		2																	
TT08-CM-45-46				2																	
TT08-CM-47-48				2																	
TT08-CM-48-49				2																	
TT08-CM-49-50				3																	
TT08-CM-50-51				3																	
TT08-CM-51-52				3																	
TT08-CM-52-53				2																	

REPORT REQUIREMENTS
 I. Routine Report: Method Blank, Surrogate, as required
 II. Report Dup., MS, MSD as required
 III. Data Validation Report (includes all raw data)
 IV. CLP Deliverable Report
 V. EDD

INVOICE INFORMATION
 P.O. # _____
 Bill To: Jen Hawkins

TURNAROUND REQUIREMENTS
 24 hr. _____ 48 hr. _____
 5 Day
 Standard (10-15 working days)
 Provide FAX Results
 Requested Report Date: _____

CIRCLE WHICH METALS ARE TO BE ANALYZED:
 Total Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg
 Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg
 *INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: _____ (CIRCLE ONE)

SPECIAL INSTRUCTIONS/COMMENTS:
All samples analyzed frozen for potential composting for DRET + column setting

RELINQUISHED BY: _____ RECEIVED BY: _____
 Signature _____ Date/Time 1/19/06 Signature _____ Date/Time 1-19-07
 Printed Name _____ Firm _____ Printed Name _____ Firm _____

RELINQUISHED BY: _____ RECEIVED BY: _____
 Signature _____ Date/Time _____ Signature _____ Date/Time _____
 Printed Name _____ Firm _____ Printed Name _____ Firm _____



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CHAIN OF CUSTODY

PAGE 10 OF 16 COC # 25

SR#:

PROJECT NAME: Lockwood sand sample

PROJECT NUMBER: 5205

PROJECT MANAGER: Tom Hankins

COMPANY ADDRESS:

CITY/STATE/ZIP: Portland

E-MAIL ADDRESS:

PHONE #:

FAX #:

SAMPLER'S SIGNATURE: [Signature]

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX
TT09-CS-E	1/16/07	1548		soil
TT09-CS-F				2
TT09-CS-G				2
TT09-CS-H				2
TT09-CS-I				2
TT09-CS-J				2
TT09-CS-K				2
TT09-CS-L				2
TT09-CS-M				3
TT09-CS-N				2

NUMBER OF CONTAINERS	
Semivolatile Organics by GC/MS	625 <input type="checkbox"/> 8270 <input type="checkbox"/> 8270LL <input checked="" type="checkbox"/>
Volatile Organics	624 <input type="checkbox"/> 8260 <input type="checkbox"/>
Hydrocarbons (*see below)	Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Oil <input type="checkbox"/>
Fuel Fingerprint (FIQ)	<input type="checkbox"/>
NW-HCID Screen	<input type="checkbox"/>
Oil & Grease/TRPH	1664 HEM <input type="checkbox"/> 1664 SGT <input type="checkbox"/>
PCB's	<input checked="" type="checkbox"/>
Aroclors	<input checked="" type="checkbox"/>
Congeners	<input type="checkbox"/>
Pesticides/Herbicides	608 <input type="checkbox"/> 8081A <input checked="" type="checkbox"/> 8141A <input type="checkbox"/> 8151A <input type="checkbox"/>
Chlorophenolics - 8151M	Tri <input type="checkbox"/> Tetra <input type="checkbox"/> PCP <input type="checkbox"/>
PAHS	8310 <input type="checkbox"/> SIM <input type="checkbox"/>
Metals, Total or Dissolved (See list below)	<input checked="" type="checkbox"/>
Cyanide	<input type="checkbox"/>
pH, Cond., Cl, SO4, PO4, F, NO2, NO3, BOD, TSS, TDS (circle)	<input checked="" type="checkbox"/>
NH3-N, COD, Total-P, TKN, TOC	<input checked="" type="checkbox"/>
DOC (circle) NO2+NO3	<input checked="" type="checkbox"/>
Tox 9920	<input type="checkbox"/>
AOX 1650	<input type="checkbox"/>
506	<input type="checkbox"/>
Hex-Chrom	<input type="checkbox"/>
Archim - Fry 802 PCB	
Archim - Fry 1602 metals	
Archim - 802 on grain size	

Circle which metals are to be analyzed:	Al	As	Sb	Ba	Be	B	Ca	Cd	Co	Cr	Cu	Fe	Pb	Mg	Mn	Mo	Ni	K	Ag	Na	Se	Sr	Ti	Sn	V	Zn	Hg
TT09-CS-E																											
TT09-CS-F																											
TT09-CS-G																											
TT09-CS-H																											
TT09-CS-I																											
TT09-CS-J																											
TT09-CS-K																											
TT09-CS-L																											
TT09-CS-M																											
TT09-CS-N																											

REPORT REQUIREMENTS

I. Routine Report: Method Blank, Surrogate, as required

II. Report Dup., MS, MSD as required

III. Data Validation Report (includes all raw data)

IV. CLP Deliverable Report

V. EDD

INVOICE INFORMATION

P.O. #

Bill To: Tom Hankins

TURNAROUND REQUIREMENTS

24 hr. _____ 48 hr. _____

5 Day _____

Standard (10-15 working days)

Provide FAX Results

Requested Report Date

SPECIAL INSTRUCTIONS/COMMENTS:

*INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: _____ (CIRCLE ONE)

Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg

Grain Size is 802 jar

Specific gravity on (17554-83)

Atterberg (D4318) analysis on TT09-CS-M

TT09-CS-E, TT09-CS-G, TT09-CS-I, TT09-CS-M

RELINQUISHED BY:

Signature: [Signature] Date/Time: 1/16/07

Printed Name: Tom Hankins Firm: _____

RECEIVED BY:

Signature: [Signature] Date/Time: 1-16-07

Printed Name: Tom Hankins Firm: _____

RELINQUISHED BY:

Signature: _____ Date/Time: _____

Printed Name: _____ Firm: _____

RECEIVED BY:

Signature: _____ Date/Time: _____

Printed Name: _____ Firm: _____



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CHAIN OF CUSTODY

PAGE 11 OF 16 SR#: COC # 26

PROJECT NAME: Lockheed West Seattle
 PROJECT NUMBER: 5265
 PROJECT MANAGER: Sam Con Holm
 COMPANY ADDRESS: TRC
 CITY/STATE/ZIP: Portno
 E-MAIL ADDRESS: _____
 PHONE #: _____ FAX #: _____
 SAMPLER'S SIGNATURE: [Signature]
 SAMPLE I.D.: _____ DATE: _____ TIME: _____ LAB I.D.: _____ MATHIX: _____

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATHIX	NUMBER OF CONTAINERS		Semivolatile Organics by GC/MS		Volatile Organics		Hydrocarbons (*see below)		Fuel Fingerprint (FIQ)		Oil & Grease/TRPH		PCB's		Pesticides/Herbicides		Chlorophenolics - 8151M		PAHS		Metals, Total or Dissolved (See list below)		pH, Cond., Cl, SO ₄ , PO ₄ , F, NO ₂ , NO ₃ , BOD, TSS, TDS (circle)		NH ₃ -N, COD, Total-P, TKN, DOC (circle)		TOX 9020		REMARKS				
					625	8270	8270LL	624	8260	8021	BTEX	Gas	Diesel	Oil	Fuel	NW-HCID	Screen	1664 HEM	1664 SGT	Aroclors	Congeners	608	8081A	8141A	8151A	Tri	Tetra	PCP	8310	SIM	Hex-Chrom	NO ₂ +NO ₃		TOX 9020	TOX 1650		
TT09-CS-O	1/16/09	1548		Sed	2																																
TT31-CS-A	1/17/09	1418		Sed	3																																
TT31-CS-B					2																																
TT06-CS-A	1/17/09	1309		Sed	3																																
TT06-CS-B					2																																
TT06-CS-C					3																																
TT06-CS-D					2																																
TT06-CS-E					2																																
TT06-CS-F					2																																

REPORT REQUIREMENTS
 I. Routine Report: Method Blank, Surrogate, as required
 II. Report Dup., MS, MSD as required
 III. Data Validation Report (includes all raw data)
 IV. CLP Deliverable Report
 V. EDD

INVOICE INFORMATION
 P.O. #: _____
 Bill To: Sam Holm

TURNAROUND REQUIREMENTS
 24 hr. _____ 48 hr. _____
 5 Day
 Standard (10-15 working days)
 Provide FAX Results
 Requested Report Date: _____

RELINQUISHED BY: [Signature] Date/Time: 1/15/09 906
RECEIVED BY: [Signature] Date/Time: 1-15-09

RELINQUISHED BY: _____ Date/Time: _____
RECEIVED BY: _____ Date/Time: _____

SPECIAL INSTRUCTIONS/COMMENTS:
 Total Metals: Al As Si Ba Be B Ca Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr TI Sn V Zn Hg
 Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg
 *INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: _____ (CIRCLE ONE)
 Specific gravity on TT31-CS-A, TT06-CS-A, TT06-CS-B, TT06-CS-D
 Insufficient material for 3rd jar, 802, Archive PCBs on samples TT06-CS-B



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PAGE

12 OF

SR#:

COC #

27

CHAIN OF CUSTODY

PROJECT NAME <i>Lo elview west Seattle</i>		PROJECT NUMBER <i>205</i>		PROJECT MANAGER <i>Jennifer Henders</i>		COMPANY ADDRESS <i>11112</i>		CITY/STATE/ZIP <i>Boothell</i>		E-MAIL ADDRESS		PHONE #		FAX #		SAMPLER'S SIGNATURE <i>[Signature]</i>		
SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	NUMBER OF CONTAINERS												REMARKS	
<i>T109-CM-42-13</i>	<i>1/17</i>	<i>9:21</i>	<i>501</i>	<i>3</i>	<input type="checkbox"/> Semivolatile Organics by GC/MS 625 <input type="checkbox"/> 8270 <input type="checkbox"/> 8270LL <input type="checkbox"/> <input type="checkbox"/> Volatile Organics 624 <input type="checkbox"/> 8260 <input type="checkbox"/> 8021 <input type="checkbox"/> BTEX <input type="checkbox"/> <input type="checkbox"/> Hydrocarbons (*see below) <input type="checkbox"/> Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Oil <input type="checkbox"/> <input type="checkbox"/> Fuel Fingerprint (FIQ) <input type="checkbox"/> NW-HCID Screen <input type="checkbox"/> Oil & Grease/TRPH 1664 HEM <input type="checkbox"/> 1664 SGT <input type="checkbox"/> <input type="checkbox"/> PCB's <input type="checkbox"/> Aroclors <input type="checkbox"/> Congeners <input type="checkbox"/> <input type="checkbox"/> Pesticides/Herbicides 608 <input type="checkbox"/> 8081A <input type="checkbox"/> 8141A <input type="checkbox"/> 8151A <input type="checkbox"/> <input type="checkbox"/> Chlorophenolics - 8151M <input type="checkbox"/> Tri <input type="checkbox"/> Tetra <input type="checkbox"/> PCP <input type="checkbox"/> <input type="checkbox"/> PAHS 8310 <input type="checkbox"/> SIM <input type="checkbox"/> <input type="checkbox"/> Metals, Total or Dissolved (See list below) <input type="checkbox"/> Cyanide <input type="checkbox"/> Hex-Chrom <input type="checkbox"/> <input type="checkbox"/> pH, Cond., Cl, SO ₄ , PO ₄ , F, NO ₂ , NO ₃ , BOD, TSS, TDS (circle) <input type="checkbox"/> NH ₃ -N, COD, Total-P, TKN, TOC, DOC (circle) NO ₂ +NO ₃ <input type="checkbox"/> TOX 9020 <input type="checkbox"/> AOX 1650 <input type="checkbox"/> 506 <input type="checkbox"/> <i>Archive - Freze</i>													
<i>T109-CM-43-44</i>				<i>3</i>														
<i>T109-CM-44-45</i>				<i>1</i>														
<i>T109-CM-46-2-47</i>				<i>1</i>														
<i>T109-CM-47-48</i>				<i>1</i>														
<i>T106-CM-47-43</i>	<i>1/17</i>	<i>12:29</i>	<i>501</i>	<i>1</i>														
<i>T106-CM-43-1-44-1</i>				<i>1</i>														
<i>T106-CM-44-4-45</i>				<i>1</i>														
<i>T106-CM-45-46</i>				<i>2</i>														
<i>T106-CM-46-47</i>				<i>2</i>														
REPORT REQUIREMENTS				INVOICE INFORMATION				TURNAROUND REQUIREMENTS				SPECIAL INSTRUCTIONS/COMMENTS:						
I. Routine Report: Method Blank, Surrogate, as required II. Report Dup., MS, MSD as required III. Data Validation Report (includes all raw data) IV. CLP Deliverable Report <i>AV. EDD</i>				P.O. # Bill To: <i>Sen Henders</i>				24 hr. _____ 48 hr. _____ 5 Day _____ <input checked="" type="checkbox"/> Standard (10-15 working days) Provide FAX Results Requested Report Date _____				Total Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg *INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: _____ (CIRCLE ONE) <i>Archive all increments for potential composite for DRET and column setting</i>						
RELINQUISHED BY:				RECEIVED BY:				RELINQUISHED BY:				RECEIVED BY:						
Signature <i>[Signature]</i> Date/Time <i>1/19/07 9:06</i> Printed Name _____ Firm _____				Signature <i>[Signature]</i> Date/Time <i>1-19-07</i> Printed Name _____ Firm _____				Signature _____ Date/Time _____ Printed Name _____ Firm _____				Signature _____ Date/Time _____ Printed Name _____ Firm _____						



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CHAIN OF CUSTODY

SR#: _____

PAGE 13 OF 16 COC # 28

PROJECT NUMBER: 5705
PROJECT MANAGER: Senji G. Hawkins
COMPANY/ADDRESS:
CITY/STATE/ZIP: Bothell
EMAIL ADDRESS:
PHONE #:
FAX #:
SAMPLES SIGNATURE:
SAMPLE I.D.: DATE: TIME: LAB I.D. MATRIX:

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	NUMBER OF CONTAINERS	Semivolatile Organics by GC/MS	Volatile Organics	Hydrocarbons (*see below)	Fuel Fingerprint (FIQ)	NW-HCID Screen	Oil & Grease/TRPH	PCB's	Aroclors	Congeners	Pesticides/Herbicides	Chlorophenolics - 8151M	Tri	Tetra	PCP	PAHS	8310	SIM	Metals, Total or Dissolved (See list below)	Cyanide	Hex-Chrom	pH, Cond., Cl, SO4, PO4, F, NO2, NO3, BOD, TSS, TDS (circle)	NH3-N, COD, Total-P, TKN, TOC	DOC (circle)	NO2+NO3	TOX 9920	ADX 1650	506	REMARKS				
TT06-CS-G	1/17/07	1309		Sed	2																																
TT06-CS-H					2																																
TT06-CS-I					2																																
TT06-CS-J					2																																
TT06-CS-K					2																																
TT06-CS-L					2																																
TT34-CS-A	1/17/07	1533		Sed	3																																
TT34-CS-B	1/17/07	1533		Sed	3																																
TT15-CS-B	1/18/07	1125		Sed	3																																
TT15-CS-C	1/18/07	1125		Sed	3																																

REPORT REQUIREMENTS

I. Routine Report: Method Blank, Surrogate, as required

II. Report Dup., MS, MSD as required

III. Data Validation Report (Includes all raw data)

IV. CLP Deliverable Report

V. EDD

INVOICE INFORMATION

P.O. # _____

Bill To: Senji Hawkins

TURNAROUND REQUIREMENTS

24 hr. _____ 48 hr. _____

5 Day _____

Standard (10-15 working days)

Provide FAX Results

Requested Report Date _____

SPECIAL INSTRUCTIONS/COMMENTS:

*INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: (CIRCLE ONE)

Circle which metals are to be analyzed:

Total Metals: Al Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Ni K Ag Na Se Sr TI Sn V Zn Hg

Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg

Grain Size is 802 jar

Specific gravity analysis on TT15-CS-C

RELINQUISHED BY: _____
 Signature: *Senji G. Hawkins*
 Date/Time: 1/19/07 906
 Printed Name: _____ Firm: _____

RECEIVED BY: _____
 Signature: *Senji G. Hawkins*
 Date/Time: 1-19-07
 Printed Name: _____ Firm: _____

RELINQUISHED BY: _____
 Signature: _____
 Date/Time: _____
 Printed Name: _____ Firm: _____

RECEIVED BY: _____
 Signature: _____
 Date/Time: _____
 Printed Name: _____ Firm: _____



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PAGE 14 OF 16 COC # 291

CHAIN OF CUSTODY

SR#:

COC # 291

PROJECT NAME: Lockhart West Seattle

PROJECT NUMBER: 5205

PROJECT MANAGER: Jan Hawkins

COMPANY/ADDRESS: _____

CITY/STATE/ZIP: Bothell

E-MAIL ADDRESS: _____

PHONE #: _____ FAX#: _____

SAMPLER'S SIGNATURE: _____

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX
TT06-CN-4748	1/17	1229		Sol
TT06-CN-4849				2
TT06-CN-4950				2
TT06-CN-5051				2
TT06-CN-5152				2
TT06-CN-5253				1-2
TT15-CN-4354	1/18	1151		Sol
TT15-CN-4445				2
TT15-CN-4546				2
TT15-CN-4647				2

NUMBER OF CONTAINERS	
Semivolatile Organics by GC/MS	
625 <input type="checkbox"/> 8270 <input type="checkbox"/> 8270LL <input type="checkbox"/>	
Volatile Organics	
624 <input type="checkbox"/> 8260 <input type="checkbox"/> 8021 <input type="checkbox"/> BTEX <input type="checkbox"/>	
Hydrocarbons (*see below)	
Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Oil <input type="checkbox"/>	
<input type="checkbox"/> Fuel Fingerprint (FIQ)	
<input type="checkbox"/> NW-HCID Screen	
Oil & Grease/TRPH	
1664 HEM <input type="checkbox"/> 1664 SGT <input type="checkbox"/>	
PCB's	
Aroclors <input type="checkbox"/> Congeners <input type="checkbox"/>	
Pesticides/Herbicides	
608 <input type="checkbox"/> 8081A <input type="checkbox"/> 8141A <input type="checkbox"/> 8151A <input type="checkbox"/>	
Chlorophenolics - 8151M	
Tri <input type="checkbox"/> Tetra <input type="checkbox"/> PCP <input type="checkbox"/>	
PAHS	
8310 <input type="checkbox"/> SIM <input type="checkbox"/>	
Metals, Total or Dissolved	
(See list below)	
Cyanide <input type="checkbox"/> Hex-Chrom <input type="checkbox"/>	
pH, Cond., Cl, SO ₄ , PO ₄ , F, NO ₂ , NO ₃ , BOD, TSS, TDS (circle)	
NH ₃ -N, COD, Total-P, TKN, TOC, DOC (circle) NO ₂ +NO ₃	
TOX 9020 <input type="checkbox"/> AOX 1650 <input type="checkbox"/> 506 <input type="checkbox"/>	
Archive - Freeze	
REMARKS	

REPORT REQUIREMENTS

I. Routine Report: Method Blank, Surrogate, as required

II. Report Dup., MS, MSD as required

III. Data Validation Report (includes all raw data)

IV. CLP Deliverable Report

V. EDD

INVOICE INFORMATION

P.O. # _____

BILL TO: Jan Hawkins

ITC

TURNAROUND REQUIREMENTS

24 hr. _____ 48 hr. _____

5 Day _____

Standard (10-15 working days) _____

Provide FAX Results _____

Requested Report Date _____

Circle which metals are to be analyzed:

Total Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg

Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg

*INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: _____ (CIRCLE ONE)

SPECIAL INSTRUCTIONS/COMMENTS:

Archive - Freeze all samples for potential composting for DRET and column setting

RELINQUISHED BY: Jan Hawkins 1/18/07 901

RECEIVED BY: Jan Hawkins 1-18-07

RELINQUISHED BY: _____

RECEIVED BY: _____



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PAGE 15 OF 16 SR# COC # 30

CHAIN OF CUSTODY

PROJECT NAME: Lockwood water testing

PROJECT NUMBER: _____

PROJECT MANAGER: Jan Hawkins

COMPANY/ADDRESS: _____

CITY/STATE/ZIP: _____

E-MAIL ADDRESS: _____

PHONE #: _____ FAX#: _____

SAMPLER'S SIGNATURE: _____

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX
TT15-CM-4748	1/18	1151	Sed	1
TT15-CM-4849	1/18	1151	Sed	1

NUMBER OF CONTAINERS

Semivolatile Organics by GC/MS
625 8270 8270LL

Volatile Organics
624 8260 8021 BTEX

Hydrocarbons (*see below)
Gas Diesel Oil

Fuel Fingerprint (FIQ)
 NW-HCID Screen

Oil & Grease/TRPH
1664 HEM 1664 SGT

PCB's
Aroclors Congeners

Pesticides/Herbicides
608 8081A 8141A 8151A

Chlorophenolics - 8151M
Tri Tetra PCP

PAHS 8310 SIM

Metals, Total or Dissolved
(See list below)

Cyanide Hex-Chrom

pH, Cond., Cl, SO₄, PO₄, F, NO₂, NO₃, BOD, TSS, TDS (circle)

NH₃-N, COD, Total-P, TKN, TOC, DOC (circle) NO₂+NO₃

TOX 9020 AOX 1650 506

REMARKS: Archive - Fringe

REPORT REQUIREMENTS	INVOICE INFORMATION	TURNAROUND REQUIREMENTS	SPECIAL INSTRUCTIONS/COMMENTS:
I. Routine Report: Method Blank, Surrogate, as required II. Report Dup., MS, MSD as required III. Data Validation Report (Includes all raw data) IV. CLP Deliverable Report V. EDD	P.O. # _____ Bill To: <u>Jan Hawkins</u> Requested Report Date: _____	24 hr. _____ 48 hr. _____ 5 Day _____ <input checked="" type="checkbox"/> Standard (10-15 working days) Provide FAX Results	Circle which metals are to be analyzed: Total Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg *INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: _____ (CIRCLE ONE) Archive samples for possible composite for DNET and Coluon settling Fringe

RELINQUISHED BY: Jan Hawkins Signature, 1/18/07 Date/Time, TT15 Firm

RECEIVED BY: Jan Hawkins Signature, 1-18-07 Date/Time, TT15 Firm

RELINQUISHED BY: _____ Signature, _____ Date/Time, _____ Firm

RECEIVED BY: _____ Signature, _____ Date/Time, _____ Firm



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PAGE 16 OF 16 COC # 31

SR#: _____

PROJECT NAME: Lockhart and Smith
 PROJECT NUMBER: 5205
 PROJECT MANAGER: Jan Parker
 COMPANY/ADDRESS: _____
 CITY/STATE/ZIP: Bothell
 E-MAIL ADDRESS: _____
 PHONE #: _____
 FAX #: _____
 SAMPLER'S SERIAL# _____
 SAMPLE I.D.: _____ DATE: _____ TIME: _____ LAB I.D.: _____ MATRIX: _____

NUMBER OF CONTAINERS	
Semivolatiles Organics by GC/MS 625 <input type="checkbox"/> 8270 <input type="checkbox"/> 8270LL <input checked="" type="checkbox"/>	
Volatile Organics 624 <input type="checkbox"/> 8260 <input type="checkbox"/> 8021 <input type="checkbox"/> BTEX <input type="checkbox"/>	
Hydrocarbons (*see below) Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Oil <input type="checkbox"/>	
<input type="checkbox"/> Fuel Fingerprint (FIQ) <input type="checkbox"/> NW-HCID Screen	
Oil & Grease/TRPH 1664 HEM <input type="checkbox"/> 1664 SGT <input type="checkbox"/>	
PCB's Aroclors <input checked="" type="checkbox"/> Congeners <input type="checkbox"/>	
Pesticides/Herbicides 608 <input type="checkbox"/> 8081A <input checked="" type="checkbox"/> 8141A <input type="checkbox"/> 8151A <input type="checkbox"/>	
Chlorophenolics - 8151M Tri <input type="checkbox"/> Tetra <input type="checkbox"/> PCP <input type="checkbox"/>	
PAHS 8310 <input type="checkbox"/> SIM <input type="checkbox"/>	
Metals, Total or Dissolved (See list below)	
Cyanide <input type="checkbox"/> Hex-Chrom <input type="checkbox"/>	
pH, Cond., Cl, SO ₄ , PO ₄ , F, NO ₂ , NO ₃ , BOD, TSS, TDS (circle)	
NH ₃ -N, COD, Total-P, TKN, TOC, DOC (circle) NO ₂ +NO ₃	
TOX 9020 <input type="checkbox"/> TOX 1650 <input type="checkbox"/> 500 <input type="checkbox"/>	

REMARKS:
Butyltins
Archive - Feb 802 PCB
Archive - Feb 1607 metals
Archive 802 Grain Site

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	AS	Sr	Pb	Mg	Mn	Mo	Ni	K	Ag	Na	Se	Sr	Tl	Sn	Zn	Hg	
TT15-CS-D	1/19/07	1125	Sol	2																	
TT15-CS-E				2																	
TT15-CS-F				2																	
TT15-CS-G				3																	
TT15-CS-H				3																	

REPORT REQUIREMENTS

- I. Routine Report: Method Blank, Surrogate, as required
- II. Report Dup., MS, MSD as required
- III. Data Validation Report (includes all raw data)
- IV. CLP Deliverable Report
- V. EDD

INVOICE INFORMATION

P.O. # _____
 BILL TO: SAFH
 TURNAROUND REQUIREMENTS
 24 hr. _____ 48 hr. _____
 5 Day Standard (10-15 working days)
 Provide FAX Results
 Requested Report Date _____

Circle which metals are to be analyzed:
 Total Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Tl Sn V Zn Hg

Disolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Tl Sn V Zn Hg

*INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: _____ (CIRCLE ONE)

SPECIAL INSTRUCTIONS/COMMENTS:
Grain Site in 802 Jan
Spec for gravimetry and rad on TT15-CS-D, TT15-CS-E, TT15-CS-G

RELINQUISHED BY: Signature: <u>[Signature]</u> Date/Time: <u>1/19/07</u> Printed Name: <u>POC</u>	RECEIVED BY: Signature: <u>[Signature]</u> Date/Time: <u>1-19-07</u> Printed Name: <u>POC</u>	RELINQUISHED BY: Signature: _____ Date/Time: _____ Printed Name: _____	RECEIVED BY: Signature: _____ Date/Time: _____ Printed Name: _____
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PAGE 1

OF 15 COC #

32

SR#:

32

RCOC #1 06/03

CHAIN OF CUSTODY

PROJECT NUMBER 5205		PROJECT NAME Lockwood West Sella		
PROJECT MANAGER Steve G. Hopkins		COMPANY ADDRESS TTC		
CITY/STATE/ZIP Bellingham WA		E-MAIL ADDRESS		
PHONE # 425-992-7678		FAX#		
SAMPLE'S SIGNATURE <i>[Signature]</i>				
SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX
TT29-CS-A	1/8/03	1010	Sol	3
TT29-CS-B				3
TT29-CS-C				3
TT29-CS-D				2
TT29-CS-E				2
TT29-CS-F				2
TT29-CS-G				2
TT29-CS-H				2
TT29-CS-I				2
TT29-CS-J				2

REPORT REQUIREMENTS		INVOICE INFORMATION	
I. Routine Report: Method Blank, Surrogate, as required II. Report Dup., MS, MSD as required XIII. Data Validation Report (includes all raw data) IV. CLP Deliverable Report <input checked="" type="checkbox"/> V. EDD		P.O. # BILL TO: <i>Im</i> TURNAROUND REQUIREMENTS 24 hr. _____ 48 hr. _____ <input checked="" type="checkbox"/> 5 Day Standard (10-15 working days) Provide FAX Results Requested Report Date _____	

RECEIVED BY:		RECEIVED BY:		RECEIVED BY:	
<i>[Signature]</i>	1/23/03	<i>[Signature]</i>	1-23-03	<i>[Signature]</i>	9:00
Printed Name	Firm	Printed Name	Firm	Printed Name	Firm

NUMBER OF CONTAINERS		Semivolatile Organics by GC/MS 625 <input type="checkbox"/> 8270 <input type="checkbox"/> 8270LL <input checked="" type="checkbox"/>	
		Volatile Organics 624 <input type="checkbox"/> 8260 <input type="checkbox"/> 8021 <input type="checkbox"/> BTEX <input type="checkbox"/>	
		Hydrocarbons (*see below) <input type="checkbox"/> Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Oil <input type="checkbox"/>	
		<input type="checkbox"/> Fuel Fingerprint (FIQ) <input type="checkbox"/> NW-HCID Screen	
		Oil & Grease/TRPH 1664 HEM <input type="checkbox"/> 1664 SGT <input type="checkbox"/>	
		PCB's Aroclors <input checked="" type="checkbox"/> Congeners <input type="checkbox"/>	
		Pesticides/Herbicides 608 <input type="checkbox"/> 8081A <input checked="" type="checkbox"/> 8141A <input type="checkbox"/> 8151A <input type="checkbox"/>	
		Chlorophenolics - 8151M Tri <input type="checkbox"/> Tetra <input type="checkbox"/> PCP <input type="checkbox"/>	
		PAHS 8310 <input type="checkbox"/> SIM <input type="checkbox"/>	
		Metals, Total or Dissolved (See list below)	
		Cyanide <input type="checkbox"/> Hex-Chrom <input type="checkbox"/>	
		pH, Cond., Cl, SO4, PO4, F, NO2, NO3, BOD, TSS, TDS (circle)	
		NH3-N, COD, Total-P, TKN, TOC DOC (circle) NO2+NO3	
		TOX 9000 <input type="checkbox"/> AOX 1650 <input type="checkbox"/> 806 <input type="checkbox"/>	
		Butyltins	
		Archive - Fugy 802 PCB	
		Archive - Fugy 1602 metals	
		Archive 802 grain size	
		REMARKS	

Circle which metals are to be analyzed:

Total Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Ni K Na S Sr Ti Sn V Zn Hg

Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg

*INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: _____ (CIRCLE ONE)

SPECIAL INSTRUCTIONS/COMMENTS:
Grain size jar is 802
Specific gravity analyzed on TT29-CS-B

CHAIN OF CUSTODY

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	NUMBER OF CONTAINERS	REMARKS
TT29-CS-K	1/8/07	1010		Sol	2	
TT29-CS-L	1/8/07	1010		Sol	2	
TT02-CS-B	1/8/07	0925		Sol	3	
TT02-CS-C					3	
TT02-CS-D					3	
TT02-CS-E					2	
TT02-CS-F					2	
TT02-CS-G					2	
TT02-CS-H					2	
TT02-CS-I					2	

NUMBER OF CONTAINERS

Semivolatile Organics by GC/MS
 625 8270 8270LL

Volatile Organics
 624 8260 8021 BTEX

Hydrocarbons (*see below)
 Gas Diesel Oil

Fuel Fingerprint (FIQ)
 NW-HCID Screen

Oil & Grease/TRPH 1664 HEM 1664 SGT

PCB's Aroclors Congeners

Pesticides/Herbicides
 608 8081A 8141A 8151A

Chlorophenolics - 8151M
 Tri Tetra PCP

PAHS 8310 SIM

Metals, Total or Dissolved (See list below)

Cyanide Hex-Chrom

pH, Cond., Cl, SO₄, PO₄, F, NO₂, NO₃, BOD, TSS, TDS (circle)

NH₃-N, COD, Total-P, TKN, TOC (circle) NO₂+NO₃

DOC (circle) NO₂+NO₃

TOX 9020 AOX 1650 506

Butyltins

Archive - Fung 802 PCB comp

Archive - Fung 1602 metals

Archive - 802 grain size

REPORT REQUIREMENTS

I. Routine Report: Method Blank, Surrogate, as required

II. Report Dup., MS, MSD as required

III. Data Validation Report (Includes all raw data)

IV. CLP Deliverable Report

V. EDD

INVOICE INFORMATION

P.O. # _____

Bill To: Iron Works

TURNAROUND REQUIREMENTS

24 hr. _____ 48 hr. _____

5 Day _____

Standard (10-15 working days)

Provide FAX Results _____

Requested Report Date _____

Circle which metals are to be analyzed:

Total Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn Zn Hg

Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg

*INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: _____ (CIRCLE ONE)

SPECIAL INSTRUCTIONS/COMMENTS:

Grain Size iron in 802 jar

RELINQUISHED BY:

Signature: [Signature] Date/Time: 1/8/07 906

Printed Name: [Name] Firm: _____

RECEIVED BY:

Signature: [Signature] Date/Time: 1/23/07 9:00

Printed Name: [Name] Firm: _____

RELINQUISHED BY:

Signature: _____ Date/Time: _____

Printed Name: _____ Firm: _____

RECEIVED BY:

Signature: _____ Date/Time: _____

Printed Name: _____ Firm: _____

CHAIN OF CUSTODY

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	NUMBER OF CONTAINERS	REMARKS
TT02-CS-5	11/10/07	0925	Sol	2	Semivolatile Organics by GC/MS 625 <input type="checkbox"/> 8270 <input type="checkbox"/> 8270LL <input checked="" type="checkbox"/>	
TT02-CS-1			Sol	2	Volatile Organics 624 <input type="checkbox"/> 8260 <input type="checkbox"/> 8021 <input type="checkbox"/> BTEX <input type="checkbox"/>	
TT02-CS-1			Sol	2	Hydrocarbons (*see below) Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Oil <input type="checkbox"/>	
TT02-CS-1			Sol	2	Fuel Fingerprint (FIQ) <input type="checkbox"/> NW-HEID Screen	
TT02-CS-1			Sol	2	Oil & Grease/TRPH 1664 HEM <input type="checkbox"/> 1664 SGT <input type="checkbox"/>	
TT02-CS-1			Sol	2	PCB's Aroclors <input checked="" type="checkbox"/> Congeners <input type="checkbox"/>	
TT02-CS-1			Sol	2	Pesticides/Herbicides 608 <input type="checkbox"/> 8081A <input checked="" type="checkbox"/> 8141A <input type="checkbox"/> 8151A <input type="checkbox"/>	
TT02-CS-1			Sol	2	Chlorophenolics - 8151M Tri <input type="checkbox"/> Tetra <input type="checkbox"/> PCP <input type="checkbox"/>	
TT02-CS-1			Sol	2	PAHS 8310 <input type="checkbox"/> SIM <input type="checkbox"/>	
TT02-CS-1			Sol	2	Metals, Total or Dissolved (See list below)	
TT02-CS-1			Sol	2	Cyanide <input type="checkbox"/> Hex-Chrom <input type="checkbox"/>	
TT02-CS-1			Sol	2	pH, Cond., Cl, SO4, PO4, F, NO2, NO3, BOD, TSS, TDS (circle)	
TT02-CS-1			Sol	2	NH3-N, COD, Total-P, TKN, TOC, DOC (circle) NO2+NO3	
TT02-CS-1			Sol	2	TOX 9020 <input type="checkbox"/> TOX 1650 <input type="checkbox"/> 506 <input type="checkbox"/>	
TT02-CS-1			Sol	2	Bio Assays	
TT02-CS-1			Sol	2	Archives - Fax 802 PCB Archives 1602 Fax 802 Archives 802 gram size	

REPORT REQUIREMENTS

I. Routine Report: Method Blank, Surrogate, as required

II. Report Dup., MS, MSD as required

III. Data Validation Report (includes all raw data)

IV. CLP Deliverable Report

V. EDD

INVOICE INFORMATION

P.O. # _____

Bill To: Sea Harbors

TURNAROUND REQUIREMENTS

24 hr. _____ 48 hr. _____

5 Day _____

Standard (10-15 working days)

Provide FAX Results

Requested Report Date _____

SPECIAL INSTRUCTIONS/COMMENTS:

*INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: _____ (CIRCLE ONE)

Circle which metals are to be analyzed:

Total Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg

Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg

Specific gravity for TT03-CS-C

RELINQUISHED BY:

Signature: [Signature] Date/Time: 11/30/07 906

Printed Name: Samuel S. Harb Firm: _____

RECEIVED BY:

Signature: [Signature] Date/Time: 11/23/07 9:00

Printed Name: Michael [unclear] Firm: _____

RELINQUISHED BY:

Signature: _____ Date/Time: _____

Printed Name: _____ Firm: _____

RECEIVED BY:

Signature: _____ Date/Time: _____

Printed Name: _____ Firm: _____



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PAGE 4 OF 15 SR#: COC # 35

CHAIN OF CUSTODY

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	NUMBER OF CONTAINERS	REMARKS
T103-CS-E	1/16/07	1404	601	Soil	<input type="checkbox"/> Semivolatile Organics by GC/MS 625 <input type="checkbox"/> 8270 <input type="checkbox"/> 8270LL <input type="checkbox"/> <input type="checkbox"/> Volatile Organics 624 <input type="checkbox"/> 8260 <input type="checkbox"/> 8021 <input type="checkbox"/> BTEX <input type="checkbox"/> <input type="checkbox"/> Hydrocarbons (*see below) <input type="checkbox"/> Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Oil <input type="checkbox"/> <input type="checkbox"/> Fuel Fingerprint (FIQ) <input type="checkbox"/> NW-HCID Screen <input type="checkbox"/> Oil & Grease/TRPH 1664 HEM <input type="checkbox"/> 1664 SGT <input type="checkbox"/> <input type="checkbox"/> PCB's <input type="checkbox"/> Aroclors <input type="checkbox"/> Congeners <input type="checkbox"/> <input type="checkbox"/> Pesticides/Herbicides 608 <input type="checkbox"/> 8081A <input type="checkbox"/> 8141A <input type="checkbox"/> 8151A <input type="checkbox"/> <input type="checkbox"/> Chlorophenolics - 8151M <input type="checkbox"/> Tri <input type="checkbox"/> Tetra <input type="checkbox"/> PCP <input type="checkbox"/> <input type="checkbox"/> PAHS 8310 <input type="checkbox"/> SIM <input type="checkbox"/> <input type="checkbox"/> Metals, Total or Dissolved (See list below) <input type="checkbox"/> Cyanide <input type="checkbox"/> Hex-Chrom <input type="checkbox"/> pH, Cond., Cl, SO ₄ , PO ₄ , F, NO ₂ , NO ₃ , BOD, TSS, TDS (circle) NH ₃ -N, COD, Total-P, TKN, TOC, DOC (circle) NO ₂ +NO ₃ <input type="checkbox"/> TOX 9020 <input type="checkbox"/> AOX 1650 <input type="checkbox"/> 506 <input type="checkbox"/> Specific Gravity Archive 16oz metal Archive 8oz glass jar	
T103-CS-F						
T103-CS-G						
T103-CS-H						
T103-CS-I						
T103-CS-K						
T103-CS-L						
T103-CS-M						
T103-CS-N						

REPORT REQUIREMENTS

- I. Routine Report: Method Blank, Surrogate, as required
 - II. Report Dup., MS, MSD as required
 - III. Data Validation Report (includes all raw data)
 - IV. CLP Deliverable Report
- V. EDD

INVOICE INFORMATION

P.O. # _____
 Bill To: Tom Hawks
ETC

TURNAROUND REQUIREMENTS
 24 hr. _____ 48 hr. _____
 5 Day _____
 Standard (10-15 working days)
 Provide FAX Results _____

Requested Report Date _____

Circle which metals are to be analyzed:

Total Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg
 Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg

*INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: (CIRCLE ONE)

SPECIAL INSTRUCTIONS/COMMENTS:

Gram size jar is 8oz

RELINQUISHED BY:

Signature: [Signature] Date/Time: 1/16/07 906
 Printed Name: Terri Hawks Firm: ETC

RECEIVED BY:

Signature: [Signature] Date/Time: 1-23-07
 Printed Name: Tom Hawks Firm: ETC

RELINQUISHED BY:

Signature: _____ Date/Time: _____
 Printed Name: _____ Firm: _____

RECEIVED BY:

Signature: _____ Date/Time: _____
 Printed Name: _____ Firm: _____



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CHAIN OF CUSTODY

PAGE 5 OF 15 SR#: _____
COC # 36

PROJECT NUMBER <u>5205</u>	PROJECT NAME <u>James Lockwood West Seattle</u>	PROJECT MANAGER <u>Jennifer Hawkins</u>		COMPANY ADDRESS <u>ITC</u>		CITY/STATE/ZIP <u>Bellevue WA</u>	E-MAIL ADDRESS <u>gohardt</u>	PHONE #	FAX #
SAMPLE SIGNATURE <u>[Signature]</u>									
SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	NUMBER OF CONTAINERS				
TT03-CS-0	1/2/07	1404	S01	2	Semivolatile Organics by GC/MS 625 <input type="checkbox"/> 8270 <input type="checkbox"/> 8270LL <input type="checkbox"/>				
TT03-CS-P				2	Volatile Organics 624 <input type="checkbox"/> 8260 <input type="checkbox"/> 8021 <input type="checkbox"/> BTEX <input type="checkbox"/>				
TT03-CS-Q				2	Hydrocarbons (*see below) Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Oil <input type="checkbox"/>				
TT03-PD-A	1/18/07	1404	S01	2	<input type="checkbox"/> Fuel Fingerprint (FIQ) <input type="checkbox"/> NW-HCID Screen				
TT03-PD-B				2	Oil & Grease/TRPH 1664 HEM <input type="checkbox"/> 1664 SGT <input type="checkbox"/>				
TT03-PD-C				2	PCB's Aroclors <input type="checkbox"/> Congeners <input type="checkbox"/>				
TT03-PD-D				2	Pesticides/Herbicides 608 <input type="checkbox"/> 8081A <input type="checkbox"/> 8141A <input type="checkbox"/> 8151A <input type="checkbox"/>				
TT03-PD-E				2	Chlorophenolics - 8151M Tri <input type="checkbox"/> Tetra <input type="checkbox"/> PCP <input type="checkbox"/>				
					PAHS 8310 <input type="checkbox"/> SIM <input type="checkbox"/>				
					Metals, Total or Dissolved (See list below)				
					Cyanide <input type="checkbox"/> Hex-Chrom <input type="checkbox"/>				
					pH, Cond., Cl, SO ₄ , PO ₄ , F, NO ₂ , NO ₃ , BOD, TSS, TDS (circle)				
					NH ₃ -N, COD, Total-P, TKN, TOC, DOC (circle) NO ₂ +NO ₃				
					TOX 9920 <input type="checkbox"/> AOX 1650 <input type="checkbox"/> 506 <input type="checkbox"/>				
					REMARKS <u>Archive 1602 Feas. Study</u> <u>Archive 802 grain size</u>				

REPORT REQUIREMENTS I. Routine Report: Method Blank, Surrogate, as required II. Report Dup., MS, MSD as required III. Data Validation Report (includes all raw data) IV. CLP Deliverable Report <input checked="" type="checkbox"/> V. EDD		INVOICE INFORMATION P.O. # _____ Bill To: _____ TURNAROUND REQUIREMENTS 24 hr. _____ 48 hr. _____ 5 Day _____ <input checked="" type="checkbox"/> Standard (10-15 working days) Provide FAX Results _____ Requested Report Date _____	
RELINQUISHED BY: Signature: <u>[Signature]</u> Date/Time: <u>1/18/07</u> Printed Name: <u>Jennifer Hawkins</u> Firm: _____		RECEIVED BY: Signature: <u>[Signature]</u> Date/Time: <u>1-23-07</u> Printed Name: <u>[Name]</u> Firm: _____	
RELINQUISHED BY: Signature: _____ Date/Time: _____ Printed Name: _____ Firm: _____		RECEIVED BY: Signature: _____ Date/Time: _____ Printed Name: _____ Firm: _____	

Circle which metals are to be analyzed:
 Total Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg
 Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg
 *INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: (CIRCLE ONE)
Gram Size jar is 8oz

CHAIN OF CUSTODY

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	NUMBER OF CONTAINERS	REMARKS
TT13-CS-A	1/19/07	1112	Sd1	3	Semivolatile Organics by GC/MS 625 <input type="checkbox"/> 8270 <input type="checkbox"/> 8270LL <input checked="" type="checkbox"/>	Batch 802 PCB Contaminants
TT13-CS-B				2	Volatile Organics 624 <input type="checkbox"/> 8260 <input type="checkbox"/> 8021 <input type="checkbox"/> BTEX <input type="checkbox"/>	Batch 802 PCB Contaminants
TT13-CS-C				2	Hydrocarbons (*see below) Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Oil <input type="checkbox"/>	Batch 802 PCB Contaminants
TT13-CS-D				2	Fuel Fingerprint (FIQ) <input type="checkbox"/> NW-HEID Screen	Batch 802 PCB Contaminants
TT13-CS-E				2	Oil & Grease/TRPH 1664 HEM <input type="checkbox"/> 1664 SGT <input type="checkbox"/>	Batch 802 PCB Contaminants
TT13-CS-F				2	PCB's Aroclors <input checked="" type="checkbox"/> Congeners <input type="checkbox"/>	Batch 802 PCB Contaminants
TT13-CS-G				2	Pesticides/Herbicides 608 <input type="checkbox"/> 8081A <input checked="" type="checkbox"/> 8141A <input type="checkbox"/> 8151A <input type="checkbox"/>	Batch 802 PCB Contaminants
					Chlorophenolics - 8151M Tri <input type="checkbox"/> Tetra <input type="checkbox"/> PCP <input type="checkbox"/>	Batch 802 PCB Contaminants
					PAHS 8310 <input type="checkbox"/> SIM <input type="checkbox"/>	Batch 802 PCB Contaminants
					Metals, Total or Dissolved (See list below)	Batch 802 PCB Contaminants
					Cyanide <input type="checkbox"/> Hex-Chrom <input type="checkbox"/>	Batch 802 PCB Contaminants
					pH, Cond., Cl, SO4, PO4, F, NO2, NO3, BOD, TSS, TDS (circle)	Batch 802 PCB Contaminants
					NH3-N, COD, Total-P, TKN, TOC, DOC (circle) NO2+NO3	Batch 802 PCB Contaminants
					TOX 9020 <input type="checkbox"/> AOX 1650 <input type="checkbox"/> 506 <input type="checkbox"/>	Batch 802 PCB Contaminants

REPORT REQUIREMENTS

I. Routine Report: Method Blank, Surrogate, as required

II. Report Dup., MS, MSD as required

III. Data Validation Report (includes all raw data)

IV. CLP Deliverable Report

V. EDD

INVOICE INFORMATION

P.O. # _____

Bill To: Iron Works

TURNAROUND REQUIREMENTS

24 hr. _____ 48 hr. _____

5 Day _____

Standard (10-15 working days)

Provide FAX Results _____

Requested Report Date _____

SPECIAL INSTRUCTIONS/COMMENTS:

*INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: _____ (CIRCLE ONE)

Circle which metals are to be analyzed:

Total Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni Ag Na Se Sr Tl Sn Zn Hg

Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Tl Sn V Zn Hg

Grain Size is 80µm

RELINQUISHED BY:

Signature: [Signature] Date/Time: 1/19/07 906

Printed Name: Tom Hawkins Firm: _____

RECEIVED BY:

Signature: [Signature] Date/Time: 1-23-07

Printed Name: [Name] Firm: _____

RELINQUISHED BY:

Signature: _____ Date/Time: _____

Printed Name: _____ Firm: _____

RECEIVED BY:

Signature: _____ Date/Time: _____

Printed Name: _____ Firm: _____

Signature: _____ Date/Time: _____

Printed Name: _____ Firm: _____



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PAGE 7 OF 15 SR#: COC # 38

CHAIN OF CUSTODY

PROJECT NAME: Lockheed West Seattle
 PROJECT NUMBER: 5205
 PROJECT MANAGER: Sen Hawkins
 COMPANY/ADDRESS: HTEC
 CITY/STATE/ZIP: Bohler
 EMAIL ADDRESS: _____
 PHONE #: _____ FAX#: _____
 SAMPLER'S SIGNATURE: [Signature]
 SAMPLE I.D.: _____ DATE: 1/19 TIME: 1250 LAB I.D.: _____ MATRIX: _____

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	NUMBER OF CONTAINERS		Semivolatile Organics by GC/MS		Volatile Organics		Hydrocarbons (*see below)		Oil & Grease/TRPH		PCB's		Pesticides/Herbicides		Chlorophenolics - 8151M		PAHS		Metals, Total or Dissolved (See list below)		pH, Cond., Cl, SO4, PO4, F, NO2, NO3, BOD, TSS, TDS (circle)		NH3-N, COD, Total-P, TKN, TOC, DOC (circle) NO2+NO3		REMARKS			
					625	8270	8270LL	624	8260	Gas	Diesel	Oil	1664 HEM	1664 SGT	608	8081A	8141A	8151A	Tri	Tetra	PCP	8310	SIM	Cyanide	Hex-Chrom	AOX 1650	506					
TT13-CM-45-2-47	1/19	1250		Soil																												
TT13-CM-47-48-49	1/19	1250		Soil																												
TT13-CM-49-50	1/19	1250		Soil																												
TT13-CM-50-51	1/19	1250		Soil																												
TT13-CM-51-52	1/19	1250		Soil																												
TT13-CM-52-53	1/19	1250		Soil																												

REPORT REQUIREMENTS
 I. Routine Report: Method Blank, Surrogate, as required
 II. Report Dup., MS, MSD as required
 III. Data Validation Report (Includes all raw data)
 IV. CLP Deliverable Report
 V. EDD

INVOICE INFORMATION
 P.O. #: _____
 Bill To: Sen Hawkins

TURNAROUND REQUIREMENTS
 24 hr. _____ 48 hr. _____
 5 Day _____
 Standard (10-15 working days)
 Provide FAX Results

RELINQUISHED BY: [Signature] Date/Time: 1/19/07 9:06
RECEIVED BY: [Signature] Date/Time: 1/23/07 9:00

RELINQUISHED BY: _____ Date/Time: _____
RECEIVED BY: _____ Date/Time: _____

Circle which metals are to be analyzed:
 Total Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg
 Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg

*INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: _____ (CIRCLE ONE)

SPECIAL INSTRUCTIONS/COMMENTS:
All samples Archived frozen for potential composting for DEET and column settling.



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PAGE 8 OF 15 SR#: COC # 39

CHAIN OF CUSTODY

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	NUMBER OF CONTAINERS	REMARKS
TT11-CS-B	11/19/07	1026		SO	2	
TT11-CS-E					2	
TT11-CS-D					2	
TT11-CS-E					2	
TT11-CS-F					2	
TT11-CS-G					2	
TT11-CS-H					2	
TT11-CS-I					2	
TT01-CS-A	11/19/07	1550		SO	3	
TT01-CS-B					3	

REPORT REQUIREMENTS

I. Routine Report: Method Blank, Surrogate, as required

II. Report Dup., MS, MSD as required

III. Data Validation Report (includes all raw data)

IV. CLP Deliverable Report

V. EDD

INVOICE INFORMATION

P.O. # _____

Bill To: _____

TURNAROUND REQUIREMENTS

24 hr. _____ 48 hr. _____

5 Day _____

Standard (10-15 working days)

Provide FAX Results

Requested Report Date _____

RELINQUISHED BY:

Signature: *[Signature]* Date/Time: 1/23/07 906

Printed Name: *[Name]* Firm: _____

RECEIVED BY:

Signature: *[Signature]* Date/Time: 1-23-07 9:09

Printed Name: *[Name]* Firm: _____

RELINQUISHED BY:

Signature: _____ Date/Time: _____

Printed Name: _____ Firm: _____

RECEIVED BY:

Signature: _____ Date/Time: _____

Printed Name: _____ Firm: _____

INSTRUCTIONS:

Circle which metals are to be analyzed:

Total Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni Ag Na Se Sr Ti Sn V Zn Hg

Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg

*INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: _____ (CIRCLE ONE)

SPECIAL INSTRUCTIONS/COMMENTS:
Specifying gravity analysis on TT01-CS-B
Gran Size Jan R 807



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PAGE 9 OF 15 SR#: 40
COC # 40

CHAIN OF CUSTODY

PROJECT NUMBER <i>Lockhart Land Seattle</i>		PROJECT NAME <i>Lockhart Land Seattle</i>	
PROJECT MANAGER <i>Senni for Hankins</i>		COMPANY ADDRESS	
CITY/STATE/ZIP		E-MAIL ADDRESS	
PHONE #		FAX #	
SAMPLE SIGNATURE <i>[Signature]</i>			
SAMPLE I.D.	DATE	TIME	LAB I.D. MATRIX
TT11-CM-47-48	1/9	9:13	Sed 1
TT11-CM-48-49			Sed 2
TT11-CM-49-50			Sed 2
TT11-CM-50-51			Sed 2
TT11-CM-51-52			Sed 2
TT11-CM-52-53			Sed 2
TT01-PD-D	1/9/07	1550	Sed 2
TT01-PD-E	1/9/07	1550	Sed 2

REPORT REQUIREMENTS		INVOICE INFORMATION	
I. Routine Report: Method Blank, Surrogate, as required		P.O. #	
II. Report Dup., MS, MSD as required		Bill To:	
III. Data Validation Report (includes all raw data)		TURNAROUND REQUIREMENTS	
IV. CLP Deliverable Report		24 hr. _____ 48 hr. _____	
X V. EDD		5 Day _____	
		Standard (10-15 working days)	
		Provide FAX Results	
RELINQUISHED BY: <i>[Signature]</i> Date/Time <i>1/23/07</i>		RECEIVED BY: <i>[Signature]</i> Date/Time <i>1/23/07</i>	
Printed Name <i>Ken Hankins</i>		Printed Name <i>[Name]</i>	
Firm		Firm	
Requested Report Date		SPECIAL INSTRUCTIONS/COMMENT: <i>Archive all samples for potential exports for DEET or column sulfate</i>	
INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: (CIRCLE ONE)		INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: (CIRCLE ONE)	

NUMBER OF CONTAINERS	
Semivolatile Organics by GC/MS 625 <input type="checkbox"/> 8270 <input type="checkbox"/> 8270LL <input type="checkbox"/>	BTEX <input type="checkbox"/>
Volatile Organics 624 <input type="checkbox"/> 8260 <input type="checkbox"/> 8021 <input type="checkbox"/>	Oil <input type="checkbox"/>
Hydrocarbons (*see below) Gas <input type="checkbox"/> Diesel <input type="checkbox"/>	Oil <input type="checkbox"/>
Fuel Fingerprint (FIQ) <input type="checkbox"/> NW-HCID Screen	1664 SGT <input type="checkbox"/>
Oil & Grease/TRPH 1664 HEM <input type="checkbox"/>	
PCB's Aroclors <input type="checkbox"/> Congeners <input type="checkbox"/>	
Pesticides/Herbicides 608 <input type="checkbox"/> 8081A <input type="checkbox"/> 8141A <input type="checkbox"/> 8151A <input type="checkbox"/>	
Chlorophenolics - 8151M Tri <input type="checkbox"/> Tetra <input type="checkbox"/> PCP <input type="checkbox"/>	
PAHS 8310 <input type="checkbox"/> SIM <input type="checkbox"/>	
Metals, Total or Dissolved (See list below)	
Cyanide <input type="checkbox"/> Hex-Chrom <input type="checkbox"/>	
pH, Cond., Cl, SO4, PO4, F, NO2, NO3, BOD, TSS, TDS (circle)	
NH3-N, COD, Total-P, TKN, TOC, DOC (circle) NO2+NO3	
TOX 9020 <input type="checkbox"/> AOX 1650 <input type="checkbox"/> 506 <input type="checkbox"/>	
REMARKS	<i>Archive - Page 3202</i> <i>Archive 802 9/2007 3/2</i> <i>Archive Page 1602 8/06</i>

Circle which metals are to be analyzed:	
Total Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg	
Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg	



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PAGE 10 OF 13 SR#: COC # 41

CHAIN OF CUSTODY

PROJECT NAME <i>Lockheed west south</i>		PROJECT NUMBER		PROJECT MANAGER <i>Jenni Lynn Howlman</i>		COMPANY ADDRESS <i>77C</i>		CITY/STATE/ZIP <i>Butte</i>		E-MAIL ADDRESS		PHONE #		FAX #		SAMPLE'S SIGNATURE <i>[Signature]</i>	
SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	NUMBER OF CONTAINERS												REMARKS
<i>T101-CS-C</i>	<i>11/9/07</i>	<i>1550</i>	<i>500</i>	<i>3</i>	<input checked="" type="checkbox"/> Semivolatile Organics by GC/MS 625 <input type="checkbox"/> 8270 <input type="checkbox"/> 8270LL <input checked="" type="checkbox"/> <input type="checkbox"/> Volatile Organics 624 <input type="checkbox"/> 8260 <input type="checkbox"/> 8021 <input type="checkbox"/> BTEX <input type="checkbox"/> <input type="checkbox"/> Hydrocarbons (*see below) <input type="checkbox"/> Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Oil <input type="checkbox"/> <input type="checkbox"/> Fuel Fingerprint (FIQ) <input type="checkbox"/> NW-HCID Screen <input type="checkbox"/> Oil & Grease/TRPH 1664 HEM <input type="checkbox"/> 1664 SGT <input type="checkbox"/> <input checked="" type="checkbox"/> PCB's <input checked="" type="checkbox"/> Aroclors <input type="checkbox"/> Congeners <input type="checkbox"/> <input type="checkbox"/> Pesticides/Herbicides 608 <input type="checkbox"/> 8081A <input checked="" type="checkbox"/> 8141A <input type="checkbox"/> 8151A <input type="checkbox"/> <input type="checkbox"/> Chlorophenolics - 8151M <input type="checkbox"/> Tri <input type="checkbox"/> Tetra <input type="checkbox"/> PCP <input type="checkbox"/> <input type="checkbox"/> PAHS 8310 <input type="checkbox"/> SIM <input type="checkbox"/> <input checked="" type="checkbox"/> Metals, Total or Dissolved (See list below) <input type="checkbox"/> Cyanide <input type="checkbox"/> Hex-Chrom <input type="checkbox"/> <input checked="" type="checkbox"/> pH, Cond., Cl, SO ₄ , PO ₄ , F, NO ₂ , NO ₃ , BOD, TSS, TDS (circle) <input checked="" type="checkbox"/> NH ₃ -N, COD, Total-P, TKN, TOC <input checked="" type="checkbox"/> DOC (circle) NO ₂ +NO ₃ <input type="checkbox"/> TOX 9000 <input type="checkbox"/> AOX 1050 <input type="checkbox"/> 500 <input type="checkbox"/> <input checked="" type="checkbox"/> <i>pesticides</i> <input checked="" type="checkbox"/> <i>Butly Hins</i> <input checked="" type="checkbox"/> <i>Archive - Frag 802 PCB</i> <input checked="" type="checkbox"/> <i>Archive - Frag 1607 metals</i> <input checked="" type="checkbox"/> <i>Archive 802 gram size</i>												<i>3</i>
<i>T101-CS-D</i>				<i>2</i>													<i>2</i>
<i>T101-CS-E</i>				<i>2</i>													<i>2</i>
<i>T101-CS-F</i>				<i>2</i>													<i>2</i>
<i>T101-CS-G</i>				<i>2</i>													<i>2</i>
<i>T101-CS-H</i>				<i>2</i>													<i>2</i>
<i>T101-CS-I</i>				<i>2</i>													<i>2</i>
<i>T101-CS-J</i>				<i>2</i>													<i>2</i>
<i>T101-CS-K</i>				<i>2</i>													<i>2</i>
<i>T101-CS-L</i>				<i>2</i>													<i>2</i>

REPORT REQUIREMENTS

I. Routine Report: Method Blank, Surrogate, as required

II. Report Dup., MS, MSD as required

III. Data Validation Report (includes all raw data)

IV. CLP Deliverable Report

V. EDD

INVOICE INFORMATION

P.O. # _____

Bill To: _____

TURNAROUND REQUIREMENTS

24 hr. _____ 48 hr. _____

5 Day _____

Standard (10-15 working days)

Provide FAX Results

Requested Report Date _____

RELINQUISHED BY:

Signature: *[Signature]* Date/Time: *11/29/07*

Printed Name: *Scott Howlman* Firm: _____

RECEIVED BY:

Signature: *[Signature]* Date/Time: *12-3-07*

Printed Name: *McLennan* Firm: _____

RELINQUISHED BY:

Signature: _____ Date/Time: _____

Printed Name: _____ Firm: _____

RECEIVED BY:

Signature: _____ Date/Time: _____

Printed Name: _____ Firm: _____

Circle which metals are to be analyzed:

Total Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Ni K Ag Na Sr Ti Sn V Zn Hg

Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg

*INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: _____ (CIRCLE ONE)

SPECIAL INSTRUCTIONS/COMMENTS:
Gran size jar is 8oz jar
Specific gravity analyzed on T101-CS-E

RELINQUISHED BY:

Signature: *[Signature]* Date/Time: *11/29/07*

Printed Name: *Scott Howlman* Firm: _____

RECEIVED BY:

Signature: *[Signature]* Date/Time: *12-3-07*

Printed Name: *McLennan* Firm: _____

CHAIN OF CUSTODY

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	NUMBER OF CONTAINERS	REMARKS
TT01-CS-N	1/19/07	1550	Sed	2	<input type="checkbox"/> Semivolatile Organics by GC/MS 625 <input type="checkbox"/> 8270 <input type="checkbox"/> 8270LL <input type="checkbox"/>	
TT01-CS-N				2	<input type="checkbox"/> Volatile Organics 624 <input type="checkbox"/> 8260 <input type="checkbox"/> 8021 <input type="checkbox"/> BTEX <input type="checkbox"/>	
TT01-CS-0				2	<input type="checkbox"/> Hydrocarbons (*see below) <input type="checkbox"/> Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Oil <input type="checkbox"/>	
TT01-CS-P				2	<input type="checkbox"/> Fuel Fingerprint (FIQ) <input type="checkbox"/> NW-HCID Screen	
TT01-CS-Q				2	<input type="checkbox"/> Oil & Grease/TRPH 1664 HEM <input type="checkbox"/> 1664 SGT <input type="checkbox"/>	
TT01-CS-R				2	<input type="checkbox"/> PCB's <input type="checkbox"/> Aroclors <input type="checkbox"/> Congeners <input type="checkbox"/>	
TT01-CS-S				2	<input type="checkbox"/> Pesticides/Herbicides 608 <input type="checkbox"/> 8081A <input type="checkbox"/> 8141A <input type="checkbox"/> 8151A <input type="checkbox"/>	
TT01-PD-A	1/19/07	1550	Sed	2	<input type="checkbox"/> Chlorophenolics - 8151M <input type="checkbox"/> Tri <input type="checkbox"/> Tetra <input type="checkbox"/> PCP <input type="checkbox"/>	
TT01-PD-B				2	<input type="checkbox"/> PAHS 8310 <input type="checkbox"/> SIM <input type="checkbox"/>	
TT01-PD-C				2	<input type="checkbox"/> Metals, Total or Dissolved (See list below)	

REPORT REQUIREMENTS

I. Routine Report: Method Blank, Surrogate, as required

II. Report Dup., MS, MSD as required

III. Data Validation Report (includes all raw data)

IV. CLP Deliverable Report

V. EDD

INVOICE INFORMATION

P.O. # _____

Bill To: _____

TURNAROUND REQUIREMENTS

24 hr. _____ 48 hr. _____

5 Day _____

X Standard (10-15 working days)

Provide FAX Results _____

Requested Report Date _____

SPECIAL INSTRUCTIONS/COMMENTS:

*INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: _____ (CIRCLE ONE)

Circle which metals are to be analyzed:

Total Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg

Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg

Grain size is 80µ
Specific gravity on TT01-CS-A

RELINQUISHED BY:

Signature: [Signature] Date/Time: 1/23/07 906

Printed Name: [Name] Firm: _____

RECEIVED BY:

Signature: [Signature] Date/Time: 1-23-07

Printed Name: [Name] Firm: _____

RELINQUISHED BY:

Signature: _____ Date/Time: _____

Printed Name: _____ Firm: _____

RECEIVED BY:

Signature: _____ Date/Time: _____

Printed Name: _____ Firm: _____



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CHAIN OF CUSTODY

PAGE 12 OF 15 SR# COC # 73

PROJECT NAME: Lockheed West Seattle
 PROJECT NUMBER: _____
 PROJECT MANAGER: Tami G. Hawkins
 COMPANY ADDRESS: ETEC

CITY/STATE/ZIP: Bothell
 E-MAIL ADDRESS: _____
 PHONE #: _____ FAX#: _____

SAMPLER'S SIGNATURE: [Signature]
 SAMPLE I.D.: _____ DATE: _____ TIME: _____ LAB I.D.: _____ MATHIX: _____

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATHIX	NUMBER OF CONTAINERS	Semivolatile Organics by GC/MS	Volatile Organics	Hydrocarbons (*see below)	Fuel Fingerprint (FIQ)	Oil & Grease/TRPH	PCB's Aroclors	Pesticides/Herbicides	Chlorophenolics - 8151M	PAHS	Metals, Total or Dissolved	Cyanide	pH, Cond., Cl, SO4, PO4, F, NO2, NO3, BOD, TSS, TDS (circle)	NH3-N, COD, Total-P, TKN, TOC, DOC (circle) NO2+NO3	TOX 9020	AOX 1650	506	REMARKS	
TT27-CS-A	1/19/07	1428		821	3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
TT27-CS-B				3		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
TT27-CS-C				3		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
TT27-CS-D				2		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
TT27-CS-E				2		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
TT27-CS-F				2		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
TT27-PB-A				2		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
TT27-PB-B				2		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
TT27-PB-C				2		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

REPORT REQUIREMENTS
 I. Routine Report. Method Blank, Surrogate, as required
 II. Report Dup., MS, MSD as required
 III. Data Validation Report (includes all raw data)
 IV. CLP Deliverable Report
 V. EDD

INVOICE INFORMATION
 P.O. # _____
 Bill To: _____
 Requested Report Date _____

TURNAROUND REQUIREMENTS
 24 hr. _____ 48 hr. _____
 5 Day _____
 Standard (10-15 working days)
 Provide FAX Results _____

SPECIAL INSTRUCTIONS/COMMENTS:
 *INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: _____ (CIRCLE ONE)
 Grain size per 802

RELINQUISHED BY:
 Signature: [Signature] Date/Time: 1/23/07 906
 Printed Name: [Name] Firm: _____

RECEIVED BY:
 Signature: [Signature] Date/Time: 1-25-07 910
 Printed Name: [Name] Firm: _____

RELINQUISHED BY:
 Signature: _____ Date/Time: _____
 Printed Name: _____ Firm: _____

RECEIVED BY:
 Signature: _____ Date/Time: _____
 Printed Name: _____ Firm: _____

RELINQUISHED BY:
 Signature: _____ Date/Time: _____
 Printed Name: _____ Firm: _____

RECEIVED BY:
 Signature: _____ Date/Time: _____
 Printed Name: _____ Firm: _____

PROJECT NAME <u>Lockhead West Site</u>		PROJECT NUMBER <u>1001</u>		PROJECT MANAGER <u>Tom Hawkins</u>		COMPANY ADDRESS <u>TTC</u>		CITY/STATE/ZIP <u>Boothell</u>		EMAIL ADDRESS		PHONE #		FAX #		SAMPLER'S SIGNATURE <u>[Signature]</u>			
SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	NUMBER OF CONTAINERS												REMARKS		
TT04-CS-B	1/22/07	917	S04	3	<input checked="" type="checkbox"/> Semivolatile Organics by GC/MS <input type="checkbox"/> 625 <input type="checkbox"/> 8270 <input type="checkbox"/> 8270LL <input type="checkbox"/> Volatile Organics <input type="checkbox"/> 624 <input type="checkbox"/> 8260 <input type="checkbox"/> 8021 <input type="checkbox"/> BTEX <input type="checkbox"/> Hydrocarbons (*see below) <input type="checkbox"/> Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Oil <input type="checkbox"/> Fuel Fingerprint (FIQ) <input type="checkbox"/> NW-ICID Screen <input type="checkbox"/> Oil & Grease/TRPH <input type="checkbox"/> 1664 HEM <input type="checkbox"/> 1664 SGT <input checked="" type="checkbox"/> PCB's Aroclors <input type="checkbox"/> Congeners <input type="checkbox"/> Pesticides/Herbicides <input type="checkbox"/> 608 <input type="checkbox"/> 8081A <input type="checkbox"/> 8141A <input type="checkbox"/> 8151A <input type="checkbox"/> Chlorophenolics - 8151M <input type="checkbox"/> Tri <input type="checkbox"/> Tetra <input type="checkbox"/> PCP <input type="checkbox"/> PAHS 8310 <input type="checkbox"/> SIM <input type="checkbox"/> Metals, Total or Dissolved <input type="checkbox"/> (See list below) <input type="checkbox"/> Cyanide <input type="checkbox"/> Hex-Chrom <input type="checkbox"/> pH, Cond., Cl, SO ₄ , PO ₄ , F, NO ₂ , NO ₃ , BOD, TSS, TDS <input type="checkbox"/> NH ₃ -N, COD, Total-P, TKN, DOC <input type="checkbox"/> DOC (circle) NO ₂ +NO ₃ <input type="checkbox"/> TOX 8020 <input type="checkbox"/> 8500 <input type="checkbox"/> AOX 1650 <input type="checkbox"/> 506 <input type="checkbox"/> Butyltins <input type="checkbox"/> Active Fung 802 PCB Congeners <input type="checkbox"/> Active Fung 1602 metals <input type="checkbox"/> Active 802 gram size														
TT04-CS-C				3															
TT04-CS-D				2															
TT04-CS-E				2															
TT04-CS-F				2															
TT04-CS-G				2															
TT04-CS-H				2															
TT04-CS-I				2															
TT04-CS-J				2															
TT04-CS-K				2															
REPORT REQUIREMENTS				INVOICE INFORMATION				SPECIAL INSTRUCTIONS/COMMENTS:											
I. Routine Report: Method Blank, Surrogate, as required II. Report Dup., MS, MSD as required III. Data Validation Report (includes all raw data) IV. CLP Deliverable Report <input checked="" type="checkbox"/> V. EDD				P.O. # Bill To: <u>Tom Hawkins</u> TURNAROUND REQUIREMENTS 24 hr. _____ 48 hr. _____ <input checked="" type="checkbox"/> 5 Day Standard (10-15 working days) Provide FAX Results Requested Report Date _____				Circle which metals are to be analyzed: Total Metals: Al <input type="checkbox"/> As <input checked="" type="checkbox"/> Sb <input type="checkbox"/> Ba <input type="checkbox"/> Be <input type="checkbox"/> B <input type="checkbox"/> Ca <input type="checkbox"/> Cd <input checked="" type="checkbox"/> Co <input checked="" type="checkbox"/> Cr <input checked="" type="checkbox"/> Cu <input type="checkbox"/> Fe <input type="checkbox"/> Pb <input type="checkbox"/> Mg <input type="checkbox"/> Mn <input checked="" type="checkbox"/> Ni <input checked="" type="checkbox"/> K <input type="checkbox"/> Ag <input type="checkbox"/> Na <input type="checkbox"/> Sr <input type="checkbox"/> Ti <input type="checkbox"/> Sn <input checked="" type="checkbox"/> V <input checked="" type="checkbox"/> Zn <input checked="" type="checkbox"/> Hg Dissolved Metals: Al <input type="checkbox"/> As <input type="checkbox"/> Sb <input type="checkbox"/> Ba <input type="checkbox"/> Be <input type="checkbox"/> B <input type="checkbox"/> Ca <input type="checkbox"/> Cd <input type="checkbox"/> Co <input type="checkbox"/> Cr <input type="checkbox"/> Cu <input type="checkbox"/> Fe <input type="checkbox"/> Pb <input type="checkbox"/> Mg <input type="checkbox"/> Mn <input type="checkbox"/> Mo <input type="checkbox"/> Ni <input type="checkbox"/> K <input type="checkbox"/> Ag <input type="checkbox"/> Na <input type="checkbox"/> Se <input type="checkbox"/> Sr <input type="checkbox"/> Ti <input type="checkbox"/> Sn <input type="checkbox"/> V <input type="checkbox"/> Zn <input type="checkbox"/> Hg *INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: _____ (CIRCLE ONE)				SPECIAL INSTRUCTIONS/COMMENTS: <u>Grown Site jar is 8oz jar</u> <u>Spec. f.c. gravity ~ TT04-CS-B and TT04-CS-G</u>							
RELINQUISHED BY:				RECEIVED BY:				RELINQUISHED BY:				RECEIVED BY:							
Signature <u>[Signature]</u> Date/Time <u>1/23/07 9:06</u> Printed Name <u>Tom Hawkins</u> Firm _____				Signature <u>[Signature]</u> Date/Time <u>1-23-07 9:00</u> Printed Name <u>Tom Hawkins</u> Firm _____				Signature _____ Date/Time _____ Printed Name _____ Firm _____				Signature _____ Date/Time _____ Printed Name _____ Firm _____							



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PAGE 14 OF 15

COC # 45

CHAIN OF CUSTODY

SR#:

COC #

45

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	NUMBER OF CONTAINERS	REMARKS
TT04-CS-2	1/23/07	9:17	802	Soil	<input type="checkbox"/> Semivolatile Organics by GC/MS 625 <input type="checkbox"/> 8270 <input type="checkbox"/> 8270LL <input type="checkbox"/> <input type="checkbox"/> Volatile Organics 624 <input type="checkbox"/> 8260 <input type="checkbox"/> 8021 <input type="checkbox"/> BTEX <input type="checkbox"/> <input type="checkbox"/> Hydrocarbons (*see below) <input type="checkbox"/> Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Oil <input type="checkbox"/> <input type="checkbox"/> Fuel Fingerprint (FIQ) <input type="checkbox"/> NW-HCID Screen <input type="checkbox"/> Oil & Grease/TRPH 1664 HEM <input type="checkbox"/> 1664 SGT <input type="checkbox"/> <input type="checkbox"/> PCB's <input type="checkbox"/> Aroclors <input type="checkbox"/> Congeners <input type="checkbox"/> <input type="checkbox"/> Pesticides/Herbicides 608 <input type="checkbox"/> 8081A <input type="checkbox"/> 8141A <input type="checkbox"/> 8151A <input type="checkbox"/> <input type="checkbox"/> Chlorophenolics - 8151M <input type="checkbox"/> Tri <input type="checkbox"/> Tetra <input type="checkbox"/> PCP <input type="checkbox"/> <input type="checkbox"/> PAHS 8310 <input type="checkbox"/> SIM <input type="checkbox"/> <input type="checkbox"/> Metals, Total or Dissolved (See list below) <input type="checkbox"/> Cyanide <input type="checkbox"/> Hex-Chrom <input type="checkbox"/> <input type="checkbox"/> pH, Cond., Cl, SO ₄ , PO ₄ , F, NO ₂ , NO ₃ , BOD, TSS, TDS (circle) <input type="checkbox"/> NH ₃ -N, COD, Total-P, TKN, TOC <input type="checkbox"/> DOC (circle) NO ₂ +NO ₃ TOX 6920 <input type="checkbox"/> AQX 1650 <input type="checkbox"/> 500 <input type="checkbox"/> Archive 802 7ram site Archive 802 7ram site	
TT04-CS-M						
TT04-CS-M						
TT04-CS-D						
TT04-CS-P						
TT04-CS-Q						
TT04-CS-R						
TT04-CS-S						
TT04-PD-A						
TT04-PD-B						

REPORT REQUIREMENTS

- I. Routine Report: Method Blank, Surrogate, as required
- II. Report Dup., MS, MSD as required
- III. Data Validation Report (Includes all raw data)
- IV. CLP Deliverable Report

INVOICE INFORMATION

P.O. # _____
 Bill To: Iron Works
 Turnaround Requirements:
 24 hr. _____ 48 hr. _____
 5 Day _____
 Standard (10-15 working days)
 Provide FAX Results
 Requested Report Date _____

SPECIAL INSTRUCTIONS/COMMENTS:

Circle which metals are to be analyzed:
 Total Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Si Ti Sn V Zn Hg

Disolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg

*INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: _____ (CIRCLE ONE)

SPECIAL INSTRUCTIONS/COMMENTS:
 Specific gravity on TT04-CS-M and TT04-CS-R
 Brain size jar is 802

RELINQUISHED BY:
 Signature: [Signature]
 Printed Name: John Hawken
 Date/Time: 1/23/07 9:06
 Firm: _____

RECEIVED BY:
 Signature: [Signature]
 Printed Name: [Name]
 Date/Time: 1-23-07
 Firm: _____

RELINQUISHED BY:
 Signature: _____
 Printed Name: _____
 Date/Time: _____
 Firm: _____

RECEIVED BY:
 Signature: _____
 Printed Name: _____
 Date/Time: _____
 Firm: _____

RELINQUISHED BY:
 Signature: _____
 Printed Name: _____
 Date/Time: _____
 Firm: _____



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PAGE 5 OF 15 SR#: COC # 476

CHAIN OF CUSTODY

PROJECT NAME: Lockwood Creek Seattle
 PROJECT NUMBER: _____
 PROJECT MANAGER: Jeanie E. Hankins
 COMPANY/ADDRESS: TTEC
 CITY/STATE/ZIP: Bothell
 E-MAIL ADDRESS: _____
 PHONE #: _____ FAX#: _____
 SAMPLER SIGNATURE: [Signature]

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX
TT04-PD-C	1/21/07	9:17	Sed	2
TT04-PD-D	1/21/07	9:17	Sed	2
TT04-PD-E	1/22/07	9:17	Sed	2

NUMBER OF CONTAINERS	
Semivolatile Organics by GC/MS 625 <input type="checkbox"/> 8270 <input type="checkbox"/> 8270LL <input type="checkbox"/>	
Volatile Organics 624 <input type="checkbox"/> 8260 <input type="checkbox"/> 8021 <input type="checkbox"/> BTEX <input type="checkbox"/>	
Hydrocarbons (*see below) Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Oil <input type="checkbox"/>	
<input type="checkbox"/> Fuel Fingerprint (FIQ) <input type="checkbox"/> NW-HCID Screen	
Oil & Grease/TRPH 1664 HEM <input type="checkbox"/> 1664 SGT <input type="checkbox"/>	
PCB's Aroclors <input type="checkbox"/> Congeners <input type="checkbox"/>	
Pesticides/Herbicides 608 <input type="checkbox"/> 8081A <input type="checkbox"/> 8141A <input type="checkbox"/> 8151A <input type="checkbox"/>	
Chlorophenolics - 8151M Tri <input type="checkbox"/> Tetra <input type="checkbox"/> PCP <input type="checkbox"/>	
PAHS 8310 <input type="checkbox"/> SIM <input type="checkbox"/>	
Metals, Total or Dissolved (See list below)	
Cyanide <input type="checkbox"/> Hex-Chrom <input type="checkbox"/>	
pH, Cond., Cl, SO4, PO4, F, NO2, NO3, BOD, TSS, TDS (circle)	
NH3-N, COD, Total-P, TKN, TOC, DOC (circle) NO2+NO3	
TOX 9020 <input type="checkbox"/> AOX 1650 <input type="checkbox"/> 506 <input type="checkbox"/>	
REMARKS	<u>Archive 1602 Frag metal</u> <u>Archive 802 gran size</u>

REPORT REQUIREMENTS	INVOICE INFORMATION	TURNAROUND REQUIREMENTS	SPECIAL INSTRUCTIONS/COMMENTS:
I. Routine Report: Method Blank, Surrogate, as required II. Report Dup., MS, MSD as required III. Data Validation Report (includes all raw data) IV. CLP Deliverable Report V. EDD	P.O. # _____ Bill To: _____ Requested Report Date _____	24 hr. _____ 48 hr. _____ 5 Day _____ Standard (10-15 working days) Provide FAX Results _____	*INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: _____ (CIRCLE ONE) Total Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg Gran Size jar is 802

RELINQUISHED BY: [Signature] Date/Time 1/23/07 9:06

RECEIVED BY: [Signature] Date/Time 1-23-07 9:06

RELINQUISHED BY: _____ Date/Time _____

RECEIVED BY: _____ Date/Time _____

Printed Name _____ Firm _____

Printed Name _____ Firm _____

Printed Name _____ Firm _____

Printed Name _____ Firm _____



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CHAIN OF CUSTODY

PAGE 1 OF 13 COC # 47

SR#:

PROJECT NAME: Lockland West Seattle

PROJECT NUMBER: 5205

PROJECT MANAGER: Sen Huskins

COMPANY ADDRESS: THE C

CITY/STATE/ZIP: Bothell

EMAIL ADDRESS: _____

PHONE #: _____

FAX#: _____

SAMPLER'S SIGNATURE: [Signature]

DATE: _____

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	NUMBER OF CONTAINERS	SEMIVOLATILE ORGANICS BY GC/MS	VOLATILE ORGANICS	HYDROCARBONS (*see below)	FUEL FINGERPRINT (FIQ)	NW-HCID SCREEN	OIL & GREASE/TRPH	PCB'S	AROCLORS	CONGENERS	PESTICIDES/HERBICIDES	CHLOROPHENOLICS - 8151M	PAHS	METALS, TOTAL OR DISSOLVED	CYANIDE	PH, COND., Cl, SO4, PO4, F, NO2, NO3, BOD, TSS, TDS (circle)	NH3-N, COD, Total-P, TKN, TOC, DOC (circle) NO2+NO3	TOX 9020	AOX 1650	506	REMARKS		
TT16-CM-34-2-85	1/22/07	1305		Soil	2	<input type="checkbox"/> 625 <input type="checkbox"/> 8270 <input type="checkbox"/> 8270LL <input type="checkbox"/>	<input type="checkbox"/> 624 <input type="checkbox"/> 8260 <input type="checkbox"/>	<input type="checkbox"/> Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Oil <input type="checkbox"/>	<input type="checkbox"/> Fuel Fingerprint (FIQ)	<input type="checkbox"/> NW-HCID Screen	<input type="checkbox"/> 1664 HEM <input type="checkbox"/> 1664 SGT <input type="checkbox"/>	<input type="checkbox"/> PCB's	<input type="checkbox"/> Aroclors <input type="checkbox"/>	<input type="checkbox"/> Congeners <input type="checkbox"/>	<input type="checkbox"/> 608 <input type="checkbox"/> 8081A <input type="checkbox"/> 8141A <input type="checkbox"/> 8151A <input type="checkbox"/>	<input type="checkbox"/> Tri <input type="checkbox"/> Tetra <input type="checkbox"/> PCP <input type="checkbox"/>	<input type="checkbox"/> PAHS 8310 <input type="checkbox"/> SIM <input type="checkbox"/>	<input type="checkbox"/> Metals, Total or Dissolved (See list below)	<input type="checkbox"/> Cyanide <input type="checkbox"/>	<input type="checkbox"/> Hex-Chrom <input type="checkbox"/>	<input type="checkbox"/> pH, Cond., Cl, SO4, PO4, F, NO2, NO3, BOD, TSS, TDS (circle)	<input type="checkbox"/> NH3-N, COD, Total-P, TKN, TOC, DOC (circle) NO2+NO3	<input type="checkbox"/> TOX 9020	<input type="checkbox"/> AOX 1650	<input type="checkbox"/> 506		
TT16-CM-35-36	1/22			Soil	1																						
TT16-CM-36-37				Soil	1																						
TT16-CM-37-38				Soil	2																						
TT16-CM-38-39				Soil	2																						
TT16-CM-39-40				Soil	2																						
TT16-CM-40-41				Soil	2																						
TT16-CM-41-42				Soil	2																						
TT16-CM-42-43				Soil	2																						
TT16-CM-43-44				Soil	2																						

REPORT REQUIREMENTS

- I. Routine Report: Method Blank, Surrogate, as required
- II. Report Dup., MS, MSD as required
- III. Data Validation Report (Includes all raw data)
- IV. CLP Deliverable Report
- V. EDD

INVOICE INFORMATION

P.O. # _____
 Bill To: _____
 TURNAROUND REQUIREMENTS
 24 hr. _____ 48 hr. _____
 5 Day _____
 Standard (10-15 working days)
 Provide FAX Results
 Requested Report Date _____

SPECIAL INSTRUCTIONS/COMMENTS:

Circle which metals are to be analyzed:
 Total Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg
 Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg
 *INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: _____ (CIRCLE ONE)
 Arden all increments for potential composite for DEET and Column settling

RELINQUISHED BY: [Signature]
 Date/Time: 1/22/07 0850
 Printed Name: Sen Huskins Firm: _____

RECEIVED BY: [Signature]
 Date/Time: 1-22-07
 Printed Name: _____ Firm: _____

RELINQUISHED BY: _____
 Date/Time: _____
 Printed Name: _____ Firm: _____

RECEIVED BY: _____
 Date/Time: _____
 Printed Name: _____ Firm: _____

CHAIN OF CUSTODY

PROJECT NAME <i>Bohler West Side</i>		PROJECT NUMBER <i>5205</i>		PROJECT MANAGER <i>Sam Hankins</i>		COMPANY/ADDRESS <i>TEC</i>		CITY/STATE/ZIP <i>Bohler</i>		E-MAIL ADDRESS		PHONE #		FAX #	
SAMPLE SIGNATURE <i>[Signature]</i>		DATE <i>11/20/07</i>		TIME <i>11:10</i>		LAB I.D.		MATRIX		NUMBER OF CONTAINERS		Semivolatile Organics by GC/MS 625 <input type="checkbox"/> 8270 <input type="checkbox"/> 8270LL <input checked="" type="checkbox"/>		Volatile Organics 624 <input type="checkbox"/> 8260 <input type="checkbox"/> 8021 <input type="checkbox"/> BTEX <input type="checkbox"/>	
SAMPLE I.D.		DATE		TIME		LAB I.D.		MATRIX		NUMBER OF CONTAINERS		Hydrocarbons (*see below) Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Oil <input type="checkbox"/>		Fuel Fingerprint (FIQ) <input type="checkbox"/> NW-HCID Screen	
TT16-C4-4145-V22		11/20/07		11:10		S01		S02		2		Oil & Grease/TRPH 1664 HEM <input type="checkbox"/> 1664 SGT <input type="checkbox"/>		PCB's Aroclors <input checked="" type="checkbox"/> Congeners <input type="checkbox"/>	
TT16-CS-B		11/20/07		11:10		S01		S02		3		Pesticides/Herbicides 608 <input type="checkbox"/> 8081A <input checked="" type="checkbox"/> 8141A <input type="checkbox"/> 8151A <input type="checkbox"/>		Chlorophenolics - 8151M Tri <input type="checkbox"/> Tetra <input type="checkbox"/> PCP <input type="checkbox"/>	
TT16-CS-C		11/20/07		11:10		S01		S02		3		PAHS 8310 <input type="checkbox"/> SIM <input type="checkbox"/>		Metals, Total or Dissolved (See list below)	
TT16-CS-D		11/20/07		11:10		S01		S02		3		Cyanide <input type="checkbox"/> Hex-Chrom <input type="checkbox"/>		pH, Cond., Cl, SO4, PO4, F, NO2, NO3, BOD, TSS, TDS (circle)	
TT16-CS-E		11/20/07		11:10		S01		S02		3		NH3-N, COD, Total-P, TKN, TOC DOC (circle) NO2+NO3 <i>(circle) 50</i>		TOX 9020 <input type="checkbox"/> AOX 1650 <input type="checkbox"/> 506 <input type="checkbox"/>	
TT16-CS-F		11/20/07		11:10		S01		S02		3		Butyl tins		Archive Funge 802 PCB Cont	
TT16-CS-G		11/20/07		11:10		S01		S02		3		Archive Funge 1602/1604		Archive 802 Grain Size	
TT16-CS-H		11/20/07		11:10		S01		S02		3					
TT16-CS-I		11/20/07		11:10		S01		S02		3					
TT16-CS-J		11/20/07		11:10		S01		S02		3					

REPORT REQUIREMENTS
I. Routine Report: Method Blank, Surrogate, as required
II. Report Dup., MS, MSD as required
III. Data Validation Report (includes all raw data)
IV. CLP Deliverable Report
X V. EDD

INVOICE INFORMATION
P.O. #
BILL TO:
TURNAROUND REQUIREMENTS
24 hr. _____ 48 hr. _____
5 Day _____
Standard (10-15 working days)
Provide FAX Results

RELENGISHED BY:
Signature: *[Signature]*
Date/Time: *11/20/07 08:50*
Printed Name: *Sam Hankins*
Firm: *TEC*

RECEIVED BY:
Signature: *[Signature]*
Date/Time: *1-23-07*
Printed Name: *[Name]*
Firm: *[Firm]*

RELENGISHED BY:
Signature: _____
Date/Time: _____
Printed Name: _____
Firm: _____

RECEIVED BY:
Signature: _____
Date/Time: _____
Printed Name: _____
Firm: _____

INSTRUCTIONS/COMMENTS:
*INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: _____ (CIRCLE ONE)
Total Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Mg Mn Mo Ni K Ag Na Se Sr Tl Sn V Zn Hg
Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Tl Sn V Zn Hg
SPECIAL INSTRUCTIONS/COMMENTS:
Grain size is for jar
302 is archival from for polystyrene composite for DNET
Spencer

RELENGISHED BY:
Signature: _____
Date/Time: _____
Printed Name: _____
Firm: _____

RECEIVED BY:
Signature: _____
Date/Time: _____
Printed Name: _____
Firm: _____

Requested Report Date



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CHAIN OF CUSTODY

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PAGE 3 OF 13 SR#: 49
COC # 49

PROJECT NAME: Lockhart Creek Sediment
PROJECT NUMBER: 5205

PROJECT MANAGER: Tom Hankins

COMPANY/ADDRESS: Bohndel

CITY/STATE/ZIP: Bohndel

EMAIL ADDRESS: Bohndel

PHONE #: Bohndel

FAX #: Bohndel

SAMPLER'S SIGNATURE: Bohndel

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	NUMBER OF CONTAINERS
TL6-CS-K	1/22/07	1400		Sed	2
TL6-CS-L					2
TL6-CS-M					2
TL6-CS-N					2
TL6-CS-O					2
TL10-CM-Q99-31	1/22	1510		Sed	2
TL10-CM-31-32	1/22	1510		Sed	2
TL10-CM-32-33					2
TL10-CM-33-34					2
TL10-CM-34-35					2

REPORT REQUIREMENTS

- I. Routine Report: Method Blank, Surrogate, as required
- II. Report Dup., MS, MSD as required
- III. Data Validation Report (Includes all raw data)
- IV. CLP Deliverable Report
- V. EDD

INVOICE INFORMATION

P.O. # _____
BILL TO: _____
TURNAROUND REQUIREMENTS:
24 hr. _____ 48 hr. _____
5 Day _____
Standard (10-15 working days) _____
Provide FAX Results _____
Requested Report Date _____

NUMBER OF CONTAINERS	Semivolatile Organics by GC/MS 625 <input type="checkbox"/> 8270 <input type="checkbox"/> 8270LL <input type="checkbox"/>	Volatile Organics 624 <input type="checkbox"/> 8260 <input type="checkbox"/>	Hydrocarbons (*see below) Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Oil <input type="checkbox"/>	Fuel Fingerprint (FIQ) NW-HCID Screen	Oil & Grease/TRPH 1664 HEM <input type="checkbox"/> 1664 SGT <input type="checkbox"/>	PCB's Aroclors <input type="checkbox"/> Congeners <input type="checkbox"/>	Pesticides/Herbicides 608 <input type="checkbox"/> 8081A <input type="checkbox"/> 8141A <input type="checkbox"/> 8151A <input type="checkbox"/>	Chlorophenolics - 8151M Tri <input type="checkbox"/> Tetra <input type="checkbox"/> PCP <input type="checkbox"/>	PAHS 8310 <input type="checkbox"/> SIM <input type="checkbox"/>	Metals, Total or Dissolved (See list below)	Cyanide <input type="checkbox"/> Hex-Chrom <input type="checkbox"/>	pH, Cond., Cl, SO ₄ , PO ₄ , F, NO ₂ , NO ₃ , BOD, TSS, TDS (circle)	NH ₃ -N, COD, Total-P, TKN, TOC, DOC (circle) NO ₂ +NO ₃	TOX 9020 <input type="checkbox"/> AOX 1650 <input type="checkbox"/> 506 <input type="checkbox"/>	REMARKS
															Archive 32oz Frag Archive 16oz Frag Archive 8oz Grain Size

Circle which metals are to be analyzed:
Total Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg
Dissolved Metals: Al As Sb Ba Be B Ca Cd Cd Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg

*INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: _____ (CIRCLE ONE)
SPECIAL INSTRUCTIONS/COMMENTS:
Green 5205 Jan 15 802
Archive Frag 32oz Jan for potential road composite for NDET + calum study

RELINQUISHED BY: _____
Signature: _____ Date/Time: 1/22/07 08:55
Printed Name: Tom Hankins Firm: _____

RECEIVED BY: _____
Signature: _____ Date/Time: 1-22-07
Printed Name: Tom Hankins Firm: _____

RELINQUISHED BY: _____
Signature: _____ Date/Time: _____
Printed Name: _____ Firm: _____

RECEIVED BY: _____
Signature: _____ Date/Time: _____
Printed Name: _____ Firm: _____



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PAGE 1 OF 1 SR# _____ COC # 50

CHAIN OF CUSTODY

PROJECT NAME: Method west Seattle
 PROJECT NUMBER: 5205
 PROJECT MANAGER: Jennifer Henders
 COMPANY/ADDRESS: TTC
 CITY/STATE/ZIP: Bothell
 E-MAIL ADDRESS: _____
 PHONE #: _____ FAX#: _____
 SAMPLER'S SIGNATURE: [Signature]
 SAMPLE I.D.: WW-CS-1 DATE: 12/30/07 TIME: 1100 LAB I.D.: _____ MATHIX: Water 9

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATHIX	NUMBER OF CONTAINERS	
					GC/MS	GC/MS
						Semivolatile Organics by GC/MS 625 <input type="checkbox"/> 8270 <input type="checkbox"/> 8270LL <input checked="" type="checkbox"/> Volatile Organics 624 <input type="checkbox"/> 8260 <input type="checkbox"/> Hydrocarbons (*see below) Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Oil <input type="checkbox"/> <input type="checkbox"/> Fuel Fingerprint (FIQ) <input type="checkbox"/> NW-HCID Screen Oil & Grease/TRPH 1664 HEM <input type="checkbox"/> 1664 SGT <input type="checkbox"/> PCB's Aroclors <input checked="" type="checkbox"/> Congeners <input type="checkbox"/> Pesticides/Herbicides 608 <input type="checkbox"/> 8081A <input checked="" type="checkbox"/> 8141A <input type="checkbox"/> 8151A <input type="checkbox"/> Chlorophenolics - 8151M Tri <input type="checkbox"/> Tetra <input type="checkbox"/> PCP <input type="checkbox"/> PAHS 8310 <input type="checkbox"/> SIM <input type="checkbox"/> Metals, Total or Dissolved (See list below) Cyanide <input type="checkbox"/> Hex-Chrom <input type="checkbox"/> pH, Cond., Cl, SO ₄ , PO ₄ , F, NO ₂ , NO ₃ , BOD, TSS, TDS (circle) NH ₃ -N, COD, Total-P, TKN, TOC, DOC (circle) NO ₂ +NO ₃ TOX 9020 <input type="checkbox"/> AOX 1650 <input type="checkbox"/> 506 <input type="checkbox"/> <u>Butyltins</u>
						REMARKS

REPORT REQUIREMENTS
 I. Routine Report: Method Blank, Surrogate, as required
 II. Report Dup., MS, MSD as required
 III. Data Validation Report (includes all raw data)
 IV. CLP Deliverable Report
 V. EDD

INVOICE INFORMATION
 P.O. #: _____
 Bill To: _____
 TURNAROUND REQUIREMENTS
 24 hr. _____ 48 hr. _____
 X 5 Day Standard (10-15 working days)
 X Provide FAX Results
 Requested Report Date _____

SPECIAL INSTRUCTIONS/COMMENTS:
 *INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: _____ (CIRCLE ONE)
 Circle which metals are to be analyzed:
 Total Metals: Al As Sb Ba Be B Ca Cd Cr Cu Fe Pb Mg Mn Ni K Ag Na Sr Ti Sn V Zr Hg
 Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg
Standard TAT - For results can be emailed PDF MS hand

RELINQUISHED BY: _____ **RECEIVED BY:** _____
 Signature _____ Date/Time _____
 Printed Name _____ Firm _____



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PAGE 11 OF 13 COC # 51

SR#: _____

CHAIN OF CUSTODY

PROJECT NAME: Lockhart West South
 PROJECT NUMBER: 5205
 PROJECT MANAGER: Tenn. Env. Peoples
 COMPANY ADDRESS: TRC
 CITY/STATE/ZIP: Bozeman
 E-MAIL ADDRESS: _____
 PHONE #: _____ FAX#: _____
 SAMPLE SIGNATURE: _____
 REPORT REQUIREMENTS:
 I. Routine Report: Method Blank, Surrogate, as required _____
 II. Report Dup., MS, MSD as required _____
 III. Data Validation Report (Includes all raw data) _____
 IV. CLP Deliverable Report _____
 V. EDD _____

REPORT ID.	DATE	TIME	LAB I.D.	MATRIX	NUMBER OF CONTAINERS	SEMIVOLATILE ORGANICS BY GC/MS 625 <input type="checkbox"/> 8270 <input type="checkbox"/> 8270LL <input type="checkbox"/>	VOLATILE ORGANICS 624 <input type="checkbox"/> 8260 <input type="checkbox"/> 8021 <input type="checkbox"/> BTEX <input type="checkbox"/>	HYDROCARBONS (*see below) Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Oil <input type="checkbox"/>	FUEL FINGERPRINT (FIQ) <input type="checkbox"/> NW-HCID Screen	OIL & GREASE/TRPH 1664 HEM <input type="checkbox"/> 1664 SGT <input type="checkbox"/>	PCB'S Aroclors <input type="checkbox"/> Congeners <input type="checkbox"/>	PESTICIDES/HERBICIDES 608 <input type="checkbox"/> 8081A <input type="checkbox"/> 8141A <input type="checkbox"/> 8151A <input type="checkbox"/>	CHLOROPHENOLICS - 8151M Tri <input type="checkbox"/> Tetra <input type="checkbox"/> PCP <input type="checkbox"/>	PAHS 8310 <input type="checkbox"/> SIM <input type="checkbox"/>	METALS, TOTAL OR DISSOLVED (See list below)	CYANIDE <input type="checkbox"/> Hex-Chrom <input type="checkbox"/>	pH, COND., Cl, SO4, PO4, F, NO2, NO3, BOD, TSS, TDS (circle)	NH3-N, COD, Total-P, TKN, TOC, DOC (circle) NO2+NO3	TOX 9020 <input type="checkbox"/> AOX 1650 <input type="checkbox"/> 506 <input type="checkbox"/>	REMARKS	
TT10-CM-35-36	1/22	15-10	868	2																	
TT10-CM-36-37				1																	
TT10-CM-37-38				1																	
TT10-CM-38-39				2																	
TT10-CM-39-40				1																	
TT10-CM-40-41				2																	
TT10-CM-41-42				2																	
TT10-CM-42-43				2																	
TT10-CM-43-44				1																	
TT10-CM-45-46				2																	

RELINQUISHED BY: _____ RECEIVED BY: _____
 Signature: _____ Date/Time: _____ Signature: _____ Date/Time: _____
 Printed Name: _____ Firm: _____ Printed Name: _____ Firm: _____



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CHAIN OF CUSTODY

PAGE 5 OF 13 COC # 52

SR#:

PROJECT NAME: Goldfield and Super
PROJECT NUMBER: 5205

PROJECT MANAGER: Sam Hankens
COMPANY ADDRESS: TTC

CITY/STATE/ZIP: Bohale

E-MAIL ADDRESS: _____
PHONE #: _____
FAX #: _____

SAMPLER SIGNATURE: [Signature]

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX
TT10-CA-46-47	12/6/07	1510	509	1
TT10-CS-B	1/24/07	1551	509	3
TT10-CS-C				3
TT10-CS-D				3
TT10-CS-E				3
TT10-CS-F				
TT10-CS-G				
TT10-CS-H				
TT10-CS-I				
TT10-CS-J				

NUMBER OF CONTAINERS	
Semivolatiles Organics by GC/MS 625 <input type="checkbox"/> 8270 <input type="checkbox"/> 8270LL <input checked="" type="checkbox"/>	
Volatile Organics 624 <input type="checkbox"/> 8260 <input type="checkbox"/> 8021 <input type="checkbox"/> BTEX <input type="checkbox"/>	
Hydrocarbons (*see below) Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Oil <input type="checkbox"/>	
Fuel Fingerprint (FIQ) <input type="checkbox"/> NW-HCID Screen	
Oil & Grease/TRPH 1664 HEM <input type="checkbox"/> 1664 SGT <input type="checkbox"/>	
PCB's Aroclors <input checked="" type="checkbox"/> Congeners <input type="checkbox"/>	
Pesticides/Herbicides 608 <input type="checkbox"/> 8081A <input checked="" type="checkbox"/> 8141A <input type="checkbox"/> 8151A <input type="checkbox"/>	
Chlorophenolics - 8151M Tri <input type="checkbox"/> Tetra <input type="checkbox"/> PCP <input type="checkbox"/>	
PAHS 8310 <input type="checkbox"/> SIM <input type="checkbox"/>	
Metals, Total or Dissolved (See list below)	
Cyanide <input type="checkbox"/>	
pH, Cond., Cl, SO4, PO4, F, NO2, NO3, BOD, TSS, TDS (circle)	
NH3-N, COD, Total-P, TKN, VOC, DOC (circle) NO2+NO3	
TOX 9020 <input type="checkbox"/> <u>specific gravity that does not</u> AOX 1650 <input type="checkbox"/> 506 <input type="checkbox"/>	
Butyltms	
Ashes - Fine 802 PCB	
Ashes - Fine 802 congeners	
Ashes 802 grain size	

Circle which metals are to be analyzed:

Total Metals: Al As Sb Ba Be B Ca Cd C Cu Fe Mg Mn Ni K Ag Na Se Sr Ti Sn V Zn Hg

Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg

REPORT REQUIREMENTS
I. Routine Report: Method Blank, Surrogate, as required
II. Report Dup., MS, MSD as required
III. Data Validation Report (includes all raw data)
IV. CLP Deliverable Report
X V. EDD

INVOICE INFORMATION
P.O. #: _____
BILL TO: _____

TURNAROUND REQUIREMENTS
24 hr. _____ 48 hr. _____
5 Day _____
Standard (10-15 working days)
Provide FAX Results

SPECIAL INSTRUCTIONS/COMMENTS:
Archive 32oz fines for potential compost for DIET and column settling
Grain size jar is 802 jar
Specific gravity on TT10-CS-C, TT10-CS-E, and TT10-CS-H
Attaching on TT10-CS-E - extra jar 1602 for wettech analysis

REINQUISHED BY: [Signature] Date/Time 1/26/07
Printed Name Sam Hankens Firm TTC

RECEIVED BY: [Signature] Date/Time 1-27-07
Printed Name _____ Firm _____

REINQUISHED BY: [Signature] Date/Time _____
Printed Name _____ Firm _____

RECEIVED BY: [Signature] Date/Time _____
Printed Name _____ Firm _____



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SR#:

COC # 53

CHAIN OF CUSTODY

PROJECT NAME: <u>Lockheed West Sample</u> PROJECT NUMBER: <u>5205</u> PROJECT MANAGER: <u>Sam Hankins</u> COMPANY/ADDRESS: <u>TEC</u> CITY/STATE/ZIP: <u>Bothell</u> E-MAIL ADDRESS: PHONE #: FAX #: SAMPLER'S SIGNATURE: <u>[Signature]</u>		NUMBER OF CONTAINERS Semivolatile Organics by GC/MS 625 <input type="checkbox"/> 8270 <input type="checkbox"/> 8270LL <input type="checkbox"/> Volatile Organics 624 <input type="checkbox"/> 8260 <input type="checkbox"/> 8021 <input type="checkbox"/> BTEX <input type="checkbox"/> Hydrocarbons (*see below) Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Oil <input type="checkbox"/> <input type="checkbox"/> Fuel Fingerprint (FIQ) <input type="checkbox"/> NW-HCID Screen Oil & Grease/TRPH 1664 HEM <input type="checkbox"/> 1664 SGT <input type="checkbox"/> PCB's Aroclors <input type="checkbox"/> Congeners <input type="checkbox"/> Pesticides/Herbicides 608 <input type="checkbox"/> 8081A <input type="checkbox"/> 8141A <input type="checkbox"/> 8151A <input type="checkbox"/> Chlorophenolics - 8151M Tri <input type="checkbox"/> Tetra <input type="checkbox"/> PCP <input type="checkbox"/> PAHS 8310 <input type="checkbox"/> SIM <input type="checkbox"/> Metals, Total or Dissolved (See list below) Cyanide <input type="checkbox"/> Hex-Chrom <input type="checkbox"/> pH, Cond., Cl, SO ₄ , PO ₄ , F, NO ₂ , NO ₃ , BOD, TSS, TDS (circle) NH ₃ -N, COD, Total-P, TKN, TOC, DOC (circle) NO ₂ +NO ₃ TOX 9020 <input type="checkbox"/> AOX 1650 <input type="checkbox"/> 506 <input type="checkbox"/>	
REPORT REQUIREMENTS I. Routine Report: Method Blank, Surrogate, as required II. Report Dup., MS, MSD as required III. Data Validation Report (includes all raw data) IV. CLP Deliverable Report V. EDD	INVOICE INFORMATION P.O. # Bill To: TURNAROUND REQUIREMENTS 24 hr. _____ 48 hr. _____ 5 Day _____ Standard (10-15 working days) Provide FAX Results Requested Report Date	SPECIAL INSTRUCTIONS/COMMENTS: <u>Gain size jar is 802</u> <u>Specific gravity on TT10-CS-L</u>	
RELINQUISHED BY: Signature: <u>[Signature]</u> Date/Time: <u>1/21/08 0850</u> Printed Name: <u>Sam Hankins</u> Firm:	RECEIVED BY: Signature: <u>[Signature]</u> Date/Time: <u>1/22/08</u> Printed Name: <u>[Name]</u> Firm:	RELINQUISHED BY: Signature: _____ Date/Time: _____ Printed Name: _____ Firm:	RECEIVED BY: Signature: _____ Date/Time: _____ Printed Name: _____ Firm:
REPORT REQUIREMENTS I. Routine Report: Method Blank, Surrogate, as required II. Report Dup., MS, MSD as required III. Data Validation Report (includes all raw data) IV. CLP Deliverable Report V. EDD		INVOICE INFORMATION P.O. # Bill To: TURNAROUND REQUIREMENTS 24 hr. _____ 48 hr. _____ 5 Day _____ Standard (10-15 working days) Provide FAX Results Requested Report Date	
SPECIAL INSTRUCTIONS/COMMENTS: <u>Gain size jar is 802</u> <u>Specific gravity on TT10-CS-L</u>		SPECIAL INSTRUCTIONS/COMMENTS: <u>Gain size jar is 802</u> <u>Specific gravity on TT10-CS-L</u>	
RELINQUISHED BY: Signature: _____ Date/Time: _____ Printed Name: _____ Firm:		RECEIVED BY: Signature: _____ Date/Time: _____ Printed Name: _____ Firm:	



CHAIN OF CUSTODY

PROJECT NAME: Lockhead Wolf South
 PROJECT NUMBER: 8025
 PROJECT MANAGER: Sen Hawkins
 COMPANY/ADDRESS: ITEC
 CITY/STATE/ZIP: Bethel
 EMAIL ADDRESS: _____
 PHONE #: _____ FAX#: _____
 SAMPLE'S NAME: Water

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	NUMBER OF CONTAINERS	REMARKS
TT278-CS-B	1/13/07	8:37		Soil	3	
TT278-CS-C					3	
TT278-CS-D					4	
TT278-CS-E					2	
TT278-CS-F					2	
TT278-CS-G					2	
TT278-CS-H					2	
TT278-CS-I					2	
TT278-CS-K					2	

REPORT REQUIREMENTS
 I. Routine Report: Method Blank, Surrogate, as required
 II. Report Dup., MS, MSD as required
 III. Data Validation Report (Includes all raw data)
 IV. CLP Deliverable Report
 V. EDD

INVOICE INFORMATION
 P.O. #: _____
 BILL TO: Sen Hawkins

TURNAROUND REQUIREMENTS
 24 hr. _____ 48 hr. _____
 5 Day Standard (10-15 working days)
 Provide FAX Results _____

Requested Report Date: _____

NUMBER OF CONTAINERS
 Semivolatile Organics by GC/MS: 625 8270 8270LL
 Volatile Organics: 624 8260
 Hydrocarbons (*see below): Gas Diesel Oil
 Fuel Fingerprint (FIQ) NW-HCID Screen
 Oil & Grease/TRPH: 1664 HEM 1664 SGT
 PCB's/Aroclors: Congeners
 Pesticides/Herbicides: 608 8081A 8141A 8151A
 Chlorophenolics - 8151M: Tri Tetra PCP
 PAHS: 8310 SIM
 Metals, Total or Dissolved (See list below):
 Cyanide: Hex-Chrom
 pH, Cond., Cl, SO₄, PO₄, F, NO₂, NO₃, BOD, TSS, TDS (circle)
 NH₃-N, COD, Total-P, TKN, TOC, DOC (circle) NO₂+NO₃
 TOX 9020 AQX 1650 506
 Butyl/Hrs _____
 Archive 8a PCB cleanup meter SVOC
 Archive 1602 SVOC
 Archive 8a gamma Sr

SPECIAL INSTRUCTIONS/COMMENTS:
 *INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: _____ (CIRCLE ONE)
 Circle which metals are to be analyzed:
 Total Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn Zn Gg
 Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg

RELINQUISHED BY: _____ Date/Time: _____ Firm: _____
RECEIVED BY: _____ Date/Time: _____ Firm: _____

RELINQUISHED BY:
 Signature: Sen Hawkins
 Printed Name: Sen Hawkins
 Date/Time: 1/13/07
 Firm: ITEC

RECEIVED BY:
 Signature: _____
 Printed Name: _____
 Date/Time: _____
 Firm: _____



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CHAIN OF CUSTODY

PAGE 8 OF 13 COC # 55

SR#:

REMARKS

AN Employee - Owned Company

PROJECT NAME: Lockheed West Saffr

PROJECT NUMBER: 5705

PROJECT MANAGER: Ten Hawkins

COMPANY ADDRESS: ITEC

CITY/STATE/ZIP: Bethel

E-MAIL ADDRESS: _____

PHONE #: _____ FAX#: _____

SAMPLER'S SIGNATURE: [Signature]

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	NUMBER OF CONTAINERS
TT278-CS-L	1/23/07	837	Sed	2	<input type="checkbox"/> Semivolatile Organics by GC/MS 625 <input type="checkbox"/> 8270 <input type="checkbox"/> 8270LL <input type="checkbox"/> <input type="checkbox"/> Volatile Organics 624 <input type="checkbox"/> 8260 <input type="checkbox"/> <input type="checkbox"/> Hydrocarbons (*see below) <input type="checkbox"/> Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Oil <input type="checkbox"/> <input type="checkbox"/> Fuel Fingerprint (FIQ) <input type="checkbox"/> NW-HCID Screen <input type="checkbox"/> Oil & Grease/TRPH 1664 HEM <input type="checkbox"/> 1664 SGT <input type="checkbox"/> <input type="checkbox"/> PCB's <input type="checkbox"/> Aroclors <input type="checkbox"/> Congeners <input type="checkbox"/> <input type="checkbox"/> Pesticides/Herbicides 608 <input type="checkbox"/> 8081A <input type="checkbox"/> 8141A <input type="checkbox"/> 8151A <input type="checkbox"/> <input type="checkbox"/> Chlorophenolics - 8151M <input type="checkbox"/> Tri <input type="checkbox"/> Tetra <input type="checkbox"/> PCP <input type="checkbox"/> <input type="checkbox"/> PAHS 8310 <input type="checkbox"/> SIM <input type="checkbox"/> <input type="checkbox"/> Metals, Total or Dissolved (See list below) <input type="checkbox"/> Cyanide <input type="checkbox"/> Hex-Chrom <input type="checkbox"/> <input type="checkbox"/> pH, Cond., Cl, SO ₄ , PO ₄ , F, NO ₂ , NO ₃ , BOD, TSS, TDS (circle) <input type="checkbox"/> NH ₃ -N, COD, Total-P, TKN, TOC, DOC (circle) NO ₂ +NO ₃ <input type="checkbox"/> TOX 9020 <input type="checkbox"/> AOX 1650 <input type="checkbox"/> 506 <input type="checkbox"/> <u>Archive Frag 1602 with 5006</u> <u>Archive 807 Grab 5:24</u>
TT278-CS-M				2	
TT278-CS-N				2	
TT278-CS-O				2	
TT278-CS-P				2	
TT278-CS-Q				2	
TT278-CS-S				2	
TT278-CS-T				2	
TT278-PD-A	1/23/07	837	Sed	2	

REPORT REQUIREMENTS

I. Routine Report: Method Blank, Surrogate, as required

II. Report Dup., MS, MSD as required

III. Data Validation Report (Includes all raw data)

IV. CLP Deliverable Report

V. EDD

INVOICE INFORMATION

P.O. # _____

Bill To: _____

TURNAROUND REQUIREMENTS

24 hr. _____ 48 hr. _____

5 Day _____

Standard (10-15 working days)

Provide FAX Results _____

Requested Report Date _____

SPECIAL INSTRUCTIONS/COMMENTS:

*INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: _____ (CIRCLE ONE)

Gran size jar is 802

Circle which metals are to be analyzed:

Total Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg

Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg

RELINQUISHED BY:

Signature: [Signature] Date/Time: 1/23/07 0850

Printed Name: Ten Hawkins Firm: ITEC

RECEIVED BY:

Signature: [Signature] Date/Time: 1/26/07 9:00

Printed Name: [Name] Firm: _____

RELINQUISHED BY:

Signature: _____ Date/Time: _____

Printed Name: _____ Firm: _____

RECEIVED BY:

Signature: _____ Date/Time: _____

Printed Name: _____ Firm: _____



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OF 13

COC # 56

CHAIN OF CUSTODY

SR#:

TOX 9020 AOX 1650 506

PROJECT NAME: Lockheed West Site
 PROJECT NUMBER: 5205
 PROJECT MANAGER: Jon Hawkins
 COMPANY/ADDRESS: ITC
 CITY/STATE/ZIP: Bethel
 E-MAIL ADDRESS: _____
 PHONE #: _____ FAX: _____
 SAMPLE'S SIGNATURE: [Signature]

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	NUMBER OF CONTAINERS	REMARKS
TT27B-PD-B	1/31/07	837		Sol	2	
TT27B-PD-C					2	
TT27B-PD-D					2	
TT27B-PD-E					2	
TT33-CS-A	1/31/07	POO		Sol	3	
TT33-CS-B					3	
TT33-CS-C	1/24/07	1049		Sol	3	
TT42-CS-D					3	

Semivolatile Organics by GC/MS
 625 8270 8270LL
 Volatile Organics
 624 8260
 Hydrocarbons (*see below)
 Gas Diesel Oil
 Fuel Fingerprint (FIQ)
 NW-HCID Screen
 Oil & Grease/TRPH
 1664 HEM 1664 SGT
 PCB's
 Aroclors Congeners
 Pesticides/Herbicides
 608 8081A 8141A 8151A
 Chlorophenolics - 8151M
 Tri Tetra PCP
 PAHS 8310 SIM
 Metals, Total or Dissolved
 (See list below)
 Cyanide Hex-Chrom
 pH, Cond., Cl, SO₄, PO₄, F, NO₂,
 NO₃, BOD, TSS, TDS (circle)
 NH₃-N, COD, Total-P, TKN, TOC,
 DOC (circle) NO₂+NO₃
 Butyltins
 Archive Feys 8oz PCB
 Archive Feys 16oz SVOC
 Archive 8oz Grain Size

REPORT REQUIREMENTS	INVOICE INFORMATION	TURNAROUND REQUIREMENTS	SPECIAL INSTRUCTIONS/COMMENTS:
I. Routine Report: Method Blank, Surrogate, as required II. Report Dup., MS, MSD as required III. Data Validation Report (Includes all raw data) IV. CLP Deliverable Report V. EDD	P.O. # _____ Bill To: _____ Requested Report Date _____	24 hr. _____ 48 hr. _____ 5 Day _____ Standard (10-15 working days) Provide FAX Results	*INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: _____ (CIRCLE ONE) SPECIAL INSTRUCTIONS/COMMENTS: <u>Grain Size Jan to 8oz</u>

RELINQUISHED BY:
 Signature: [Signature] Date/Time: 1/26/07
 Printed Name: Hawkins Firm: ITC

RECEIVED BY:
 Signature: [Signature] Date/Time: 1-26-07
 Printed Name: [Name] Firm: _____

RELINQUISHED BY:
 Signature: _____ Date/Time: _____
 Printed Name: _____ Firm: _____

RECEIVED BY:
 Signature: _____ Date/Time: _____
 Printed Name: _____ Firm: _____



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PAGE

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SR# 3

COC #

57

CHAIN OF CUSTODY

PROJECT NAME: Delwood Court Seattle
 PROJECT NUMBER: 5205
 PROJECT MANAGER: Sen Hankus
 COMPANY/ADDRESS: TEC

CITY/STATE/ZIP: Bothell
 E-MAIL ADDRESS: _____
 PHONE #: _____ FAX #: _____

SAMPLE'S SIGNATURE: [Signature]
 SAMPLE I.D.: _____ DATE: _____ TIME: _____ LAB I.D.: _____ MATRIX: _____

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	NUMBER OF CONTAINERS
TT01-SS	1/24/07	1200		Sol	3
TT02-SS	1/24/07	1221		Sol	3
TT28-SS	1/24/07	1247		Sol	3
TT04-SS	1/24/07	1318		Sol	3
TT92-SS	1/24/07	1326		Sol	3
TT03-SS	1/14/07	1333		Sol	14
TT29-SS	1/24/07	1446		Sol	3
TT27-SS	1/24/07	1500		Sol	3
TT06-SS	1/24/07	1520		Sol	3
TT93-SS	1/24/07	1525		Sol	3

REPORT REQUIREMENTS
 I. Routine Report: Method Blank, Surrogate, as required
 II. Report Dup., MS, MSD as required
 III. Data Validation Report (includes all raw data)
 IV. CLP Deliverable Report
 V. EDD

INVOICE INFORMATION
 P.O. #: _____
 BILL TO: _____

TURNAROUND REQUIREMENTS
 24 hr. _____ 48 hr. _____
 5 Day _____
 Standard (10-15 working days)
 Provide FAX Results
 Requested Report Date: _____

RELINQUISHED BY:
 Signature: [Signature] Date/Time: 1/26/07
 Printed Name: Sen Hankus Firm: TEC

RECEIVED BY:
 Signature: [Signature] Date/Time: 1-26-07
 Printed Name: [Name] Firm: [Firm]

RELINQUISHED BY:
 Signature: _____ Date/Time: _____
 Printed Name: _____ Firm: _____

RECEIVED BY:
 Signature: _____ Date/Time: _____
 Printed Name: _____ Firm: _____

Circle which metals are to be analyzed:
 Total Metals: Al As Sb Ba Be B Ca Cd Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg
 Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg
 *INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: _____ (CIRCLE ONE)

NUMBER OF CONTAINERS

Semivolatile Organics by GC/MS
 625 8270 8270LL

Volatile Organics
 624 8260 8021 BTEX

Hydrocarbons (*see below)
 Gas Diesel Oil

Fuel Fingerprint (FIQ)
 NW-HCID Screen

Oil & Grease/TRPH
 1664 HEM 1664 SGT

PCB's
 Aroclors Congeners

Pesticides/Herbicides
 608 8081A 8141A 8151A

Chlorophenolics - 8151M
 Tn Tetra PCP

PAHS 8310 SIM

Metals Total or Dissolved
 (See list below)

Cyanide Hex-Chrom

pH, Cond., Cl, SO₄, PO₄, F, NO₂, NO₃, BOD, TSS, TDS (circle)
 NH₃-N, COD, Total-P, TKN, TOC
 DOC (circle) NO₂+NO₃

TOX 9020 AOX 1650 506

Butyltins
 Arsenic-free for PCB
 Arsenic-free for all analyses
 Arsenic-free for 1602 SVOC
 Arsenic-free for 1602 SVOC

SPECIAL INSTRUCTIONS/COMMENTS:
 Gram SJAJA is 802
 11 32oz jars for TT03-SS for Permethrin analysis - all analysis for SVOC, PCB, PAH, metals total, TOX, Butyltins



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An Employee - Owned Company

1317 South 13th Ave. • Kelso, WA 98626 • (360) 577-7222 • (800) 695-7222x07 • FAX (360) 636-1068

PAGE 11 OF 13 SR#: COC # 58

CHAIN OF CUSTODY

PROJECT NAME <i>Lockhead west Seattle</i>	PROJECT NUMBER <i>5205</i>	PROJECT MANAGER <i>Ten Hawkins</i>	COMPANY ADDRESS <i>ITEC</i>	CITY/STATE/ZIP <i>Bothell</i>	E-MAIL ADDRESS	PHONE #	SAMPLER'S SIGNATURE <i>[Signature]</i>
SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	NUMBER OF CONTAINERS		
TT 30-SS	1-24-07	1539		Sr1	3	Semivolatile Organics by GC/MS 625 <input type="checkbox"/> 8270 <input type="checkbox"/> 8270LL <input checked="" type="checkbox"/>	
TT 08-SS	1-24-07	1554		Sr1	3	Volatile Organics 624 <input type="checkbox"/> 8260 <input type="checkbox"/> 8021 <input type="checkbox"/> BTEX <input type="checkbox"/>	
TT 05-SS	1-25-07	817		Sr1	3	Hydrocarbons (*see below) Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Oil <input type="checkbox"/>	
TT 94-SS	1-25-07	825		Sr1	3	Fuel Fingerprint (FIQ) <input type="checkbox"/> NW-HCID Screen	
TT 07-SS	1-25-07	844		Sr1	3	Oil & Grease/TRPH 1664 HEM <input type="checkbox"/> 1664 SGT <input type="checkbox"/>	
TT 18-SS	1-25-07	857		Sr1	3	PCB's Aroclors <input type="checkbox"/> Congeners <input type="checkbox"/>	
TT 19-SS	1-25-07	922		Sr1	3	Pesticides/Herbicides 608 <input type="checkbox"/> 8081A <input checked="" type="checkbox"/> 8141A <input type="checkbox"/> 8151A <input type="checkbox"/>	
TT 26-SS	1-25-07	943		Sr1	3	Chlorophenolics - 8151M Tri <input type="checkbox"/> Tetra <input type="checkbox"/> PCP <input type="checkbox"/>	
TT 25-SS	1-25-07	955		Sr1	4	PAHS 8310 <input type="checkbox"/> SIM <input type="checkbox"/>	
TT 24-SS	1-25-07	1034		Sr1	3	Metals, Total or Dissolved (See list below)	
REPORT REQUIREMENTS					Metals, Total or Dissolved (See list below)		
I. Routine Report: Method Blank, Surrogate, as required					Cyanide <input type="checkbox"/> Hex-Chrom <input type="checkbox"/>		
II. Report Dup., MS, MSD as required					pH, Cond., Cl, SO ₄ , PO ₄ , F, NO ₂ , NO ₃ , BOD, TSS, TDS (circle)		
III. Data Validation Report (includes all raw data)					NH ₃ -N, COD, Total-P, TKN, TOC, DOC (circle) NO ₂ +NO ₃ <i>part of spec</i>		
IV. CLP Deliverable Report					TOX 9020 <input type="checkbox"/> AOX 1650 <input type="checkbox"/> 506 <input type="checkbox"/>		
E V. EDD					Butyltin Archive - Freeze bag Porewater - all analysis		
INVOICE INFORMATION					REMARKS		
P.O. #							
BILL TO:							
TURNAROUND REQUIREMENTS							
24 hr. _____ 48 hr. _____							
5 Day _____							
Standard (10-15 working days) _____							
Provide FAX Results _____							
Requested Report Date							
SPECIAL INSTRUCTIONS/COMMENTS:							
*INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: _____ (CIRCLE ONE)							
Total Metals: Al <input type="checkbox"/> As <input checked="" type="checkbox"/> Sb <input type="checkbox"/> Ba <input type="checkbox"/> Be <input type="checkbox"/> B <input type="checkbox"/> Ca <input checked="" type="checkbox"/> Cd <input type="checkbox"/> Co <input type="checkbox"/> Cr <input type="checkbox"/> Cu <input type="checkbox"/> Fe <input type="checkbox"/> Pb <input checked="" type="checkbox"/> Mg <input type="checkbox"/> Mn <input checked="" type="checkbox"/> Ni <input checked="" type="checkbox"/> K <input type="checkbox"/> Ag <input type="checkbox"/> Na <input checked="" type="checkbox"/> Se <input type="checkbox"/> Sr <input type="checkbox"/> Ti <input type="checkbox"/> Sn <input checked="" type="checkbox"/> V <input checked="" type="checkbox"/> Zn <input checked="" type="checkbox"/> Hg <input type="checkbox"/>							
Dissolved Metals: Al <input type="checkbox"/> As <input type="checkbox"/> Sb <input type="checkbox"/> Ba <input type="checkbox"/> Be <input type="checkbox"/> B <input type="checkbox"/> Ca <input type="checkbox"/> Cd <input type="checkbox"/> Co <input type="checkbox"/> Cr <input type="checkbox"/> Cu <input type="checkbox"/> Fe <input type="checkbox"/> Pb <input type="checkbox"/> Mg <input type="checkbox"/> Mn <input type="checkbox"/> Mo <input type="checkbox"/> Ni <input type="checkbox"/> K <input type="checkbox"/> Ag <input type="checkbox"/> Na <input type="checkbox"/> Se <input type="checkbox"/> Sr <input type="checkbox"/> Ti <input type="checkbox"/> Sn <input type="checkbox"/> V <input type="checkbox"/> Zn <input type="checkbox"/> Hg <input type="checkbox"/>							

RELINQUISHED BY: <i>[Signature]</i> Printed Name: <i>Ten Hawkins</i> Firm: _____	RECEIVED BY: <i>[Signature]</i> Printed Name: <i>[Signature]</i> Firm: _____	RELINQUISHED BY: <i>[Signature]</i> Printed Name: <i>[Signature]</i> Firm: _____	RECEIVED BY: <i>[Signature]</i> Printed Name: <i>[Signature]</i> Firm: _____
Date/Time: <i>1/24/07 0850</i>	Date/Time: <i>1/22/07</i>	Date/Time: _____	Date/Time: _____



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CHAIN OF CUSTODY

PAGE 12 OF 13 COC # 59

SR#:

PROJECT NAME: Leachford West South

PROJECT NUMBER: 5205

PROJECT MANAGER: Sean Pawlars

COMPANY/ADDRESS: FTEC

CITY/STATE/ZIP: Portland

EMAIL ADDRESS: _____

PHONE #: _____

FAX #: _____

SAMPLES SIGNATURE: _____

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX
TT21-SS	1/25/07	1048	Sol	3
TT20-SS	1/25/07	1100	Sol	14
TT16-SS	1/25/07	1201	Sol	3
TT14-SS	1/25/07	1212	Sol	3
TT22-SS	1/25/07	1228	Sol	3
TT17-SS	1/25/07	1242	Sol	3
TT15-SS	1/25/07	1258	Sol	14
TT41-SS	1/25/07	1341	Sol	3
TT69-SS	1/25/07	1359	Sol	3
TT10-SS	1/25/07	1453	Sol	3

REPORT REQUIREMENTS

- I. Routine Report: Method Blank, Surrogate, as required
- II. Report Dup., MS, MSD as required
- III. Data Validation Report (Includes all raw data)
- IV. CLP Deliverable Report
- V. EDD

INVOICE INFORMATION

P.O. # _____
 Bill To: _____
 TURNAROUND REQUIREMENTS
 24 hr. _____ 48 hr. _____
 5 Day _____
 Standard (10-15 working days)
 Provide FAX Results
 Requested Report Date _____

NUMBER OF CONTAINERS	Semivolatile Organics by GC/MS 625 <input type="checkbox"/> 8270 <input type="checkbox"/> 8270LL <input checked="" type="checkbox"/>	Volatile Organics 624 <input type="checkbox"/> 8260 <input type="checkbox"/> 8021 <input type="checkbox"/> BTEX <input type="checkbox"/>	Hydrocarbons (*see below) Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Oil <input type="checkbox"/>	Fuel Fingerprint (FIQ) <input type="checkbox"/> NW-HCID Screen	Oil & Grease/TRPH 1664 HEM <input type="checkbox"/> 1664 SGT <input type="checkbox"/>	PCB's Aroclors <input checked="" type="checkbox"/> Congeners <input type="checkbox"/>	Pesticides/Herbicides 608 <input type="checkbox"/> 8081A <input checked="" type="checkbox"/> 8141A <input type="checkbox"/> 8151A <input type="checkbox"/>	Chlorophenolics - 8151M Tri <input type="checkbox"/> Tetra <input type="checkbox"/> PCP <input type="checkbox"/>	PAHS 8310 <input type="checkbox"/> SIM <input type="checkbox"/>	Metals, Total or Dissolved (See list below)	Cyanide <input type="checkbox"/> Hex-Chrom <input type="checkbox"/>	pH, Cond., Cl, SO4, PO4, F, NO2, NO3, BOD, TSS, TDS (circle)	NH3-N, COD, Total-P, TKN, TOC, DOC (circle) NO2+NO3 <u>part. de sive</u>	TOX 9020 <input type="checkbox"/> AOX 1650 <input type="checkbox"/> 506 <input type="checkbox"/>	REMARKS
															Butyltms Archre - Fug 802 PCB Posewater all analyses

Circle which metals are to be analyzed:
 Total Metals: Al As Ba Be B Ca Cd Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg

DISOLVED METALS: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg
 *INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: _____ (CIRCLE ONE)
 SPECIAL INSTRUCTIONS/COMMENTS:
 Gross size jar is 8oz
 32oz jar - all analyses - BDOC, PCB, PAH, total metals,
 TOC, + Butyltms

RELINQUISHED BY:
 Signature: _____
 Date/Time: 1/24/07 0850
 Printed Name: _____ Firm: _____

RECEIVED BY:
 Signature: _____
 Date/Time: 1/26/07
 Printed Name: _____ Firm: _____

RELINQUISHED BY:
 Signature: _____
 Date/Time: _____
 Printed Name: _____ Firm: _____

RECEIVED BY:
 Signature: _____
 Date/Time: _____
 Printed Name: _____ Firm: _____



CHAIN OF CUSTODY

PROJECT NUMBER	PROJECT NAME	PROJECT MANAGER	COMPANY ADDRESS	CITY/STATE/ZIP	E-MAIL ADDRESS	PHONE #	FAX#	SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	NUMBER OF CONTAINERS	Semivolatile Organics by GC/MS		Volatile Organics		Hydrocarbons (*see below)		Fuel Fingerprint (FIQ)		Oil & Grease/TRPH		PCB's		Pesticides/Herbicides		Chlorophenolics - 8151M		PAHS		Metals, Total or Dissolved		pH, Cond., Cl, SO4, PO4, F, NO2, NO3, BOD, TSS, TDS (circle)		NH3-N, COD, Total-P, TKN, TOC, DOC (circle) NO2+NO3		TOX 9020		REMARKS		
														625 <input type="checkbox"/>	8270 <input type="checkbox"/>	8270LL <input checked="" type="checkbox"/>	8260 <input type="checkbox"/>	8021 <input type="checkbox"/>	BTEX <input type="checkbox"/>	Gas <input type="checkbox"/>	Diesel <input type="checkbox"/>	Oil <input type="checkbox"/>	NW-HCID Screen <input type="checkbox"/>	1664 HEM <input type="checkbox"/>	1664 SGT <input type="checkbox"/>	Aroclors <input checked="" type="checkbox"/>	Congeners <input type="checkbox"/>	608 <input type="checkbox"/>	8081A <input checked="" type="checkbox"/>	8141A <input type="checkbox"/>	8151A <input type="checkbox"/>	Tri <input type="checkbox"/>	Tetra <input type="checkbox"/>	PCP <input type="checkbox"/>	8310 <input type="checkbox"/>	SIM <input type="checkbox"/>	Hex-Chrom <input type="checkbox"/>	Butyltins	Acheson-Frag 802		PCB	congs
5205	Lockwood West Seattle	Ten Hawkins	TTC	Bothell				TT 39-SS	1/25/07	1528	Sed	3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
								TT 38-SS	1/25/07	1550	Sed	3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
								TT 37-SS	1/25/07	1607	Sed	3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
								TT 36-SS	1/25/07	1625	Sed	3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
								TT 35-SS	1/25/07	1657	Sed	3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
								RB-2-SS	1/25/07	1720	Water	9	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			

REPORT REQUIREMENTS
 I. Routine Report: Method Blank, Surrogate, as required
 II. Report Dup., MS, MSD as required
 III. Data Validation Report (Includes all raw data)
 IV. CLP Deliverable Report
 V. EDD

INVOICE INFORMATION
 P.O. # _____
 Bill To: _____

TURNAROUND REQUIREMENTS
 24 hr. _____ 48 hr. _____
 5 Day _____
 Standard (10-15 working days)
 Provide FAX Results _____

Requested Report Date: _____

SPECIAL INSTRUCTIONS/COMMENTS:
 *INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: _____ (CIRCLE ONE)
 Total Metals: Al As Sb Ba Be B Ca Cd Cr Cu Fe Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg
 Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg
 Gran Size jar is 8oz
 No part des. re on water sample

RELINQUISHED BY:
 Signature: _____ Date/Time: 1/24/07
 Printed Name: Ten Hawkins Firm: TTC

RECEIVED BY:
 Signature: _____ Date/Time: 1-25-07
 Printed Name: _____ Firm: _____

RELINQUISHED BY:
 Signature: _____ Date/Time: _____
 Printed Name: _____ Firm: _____

RECEIVED BY:
 Signature: _____ Date/Time: _____
 Printed Name: _____ Firm: _____



CHAIN OF CUSTODY

PROJECT NAME: Lockheed west Seattle
PROJECT NUMBER: 5205
PROJECT MANAGER: Sam Hawkins
COMPANY/ADDRESS: TPEC
CITY/STATE/ZIP: Bellevue
EMAIL ADDRESS:
PHONE #: 360-1111 FAX:
SAMPLE'S SIGNATURE: [Signature]
SAMPLE I.D.: TT3-SS DATE: 12/6/11 TIME: 759 LAB I.D.: SM1 MATRIX:
TT32-SS 813
TT40-SS 829
TT11-SS 847
TT42-SS 906
TT33-SS 952
TT34-SS 1011
TT13-SS 1025
TT12-SS 1103
TT23-SS 1116

NUMBER OF CONTAINERS	
Semivolatile Organics by GC/MS	625 <input type="checkbox"/> 8270 <input type="checkbox"/> 8270LL <input checked="" type="checkbox"/>
Volatile Organics	624 <input type="checkbox"/> 8260 <input type="checkbox"/>
Hydrocarbons (*see below)	Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Oil <input type="checkbox"/>
BTEX	8021 <input type="checkbox"/>
Fuel Fingerprint (FIQ)	<input type="checkbox"/>
NW-HCID Screen	<input type="checkbox"/>
Oil & Grease/TRPH	1664 HEM <input type="checkbox"/> 1664 SGT <input type="checkbox"/>
PCB's	<input type="checkbox"/>
Aroclors	<input checked="" type="checkbox"/> Congeners <input type="checkbox"/>
Pesticides/Herbicides	608 <input type="checkbox"/> 8081A <input type="checkbox"/> 8141A <input type="checkbox"/> 8151A <input type="checkbox"/>
Chlorophenolics - 8151M	Tri <input type="checkbox"/> Tetra <input type="checkbox"/> PCP <input type="checkbox"/>
PAHS	8310 <input type="checkbox"/> SIM <input type="checkbox"/>
Metals, Total or Dissolved	(See list below)
Cyanide	<input type="checkbox"/>
Hex-Chrom	<input type="checkbox"/>
pH, Cond., Cl, SO4, PO4, F, NO2, NO3, BOD, TSS, TDS (circle)	
NH3-N, COD, Total-P, TKN, TOC, DOC (circle) NO2+NO3	<u>Potentiostat</u>
TOX 9020	<input type="checkbox"/>
AOX 1650	<input type="checkbox"/>
506	<input type="checkbox"/>
REMARKS:	<u>Body Hms</u> <u>Appln. Eng. Sam PCB</u> <u>10 raw water</u>

REPORT REQUIREMENTS	INVOICE INFORMATION	TURNAROUND REQUIREMENTS	SPECIAL INSTRUCTIONS/COMMENTS:
I. Routine Report: Method Blank, Surrogate, as required	P.O. # Bill To:	24 hr. <input type="checkbox"/> 48 hr. <input type="checkbox"/>	<p>Circle which metals are to be analyzed:</p> <p>Total Metals: Al <input checked="" type="checkbox"/> As <input checked="" type="checkbox"/> Sb <input checked="" type="checkbox"/> Ba <input checked="" type="checkbox"/> Be <input checked="" type="checkbox"/> B <input checked="" type="checkbox"/> Ca <input checked="" type="checkbox"/> Cd <input checked="" type="checkbox"/> Co <input checked="" type="checkbox"/> Cr <input checked="" type="checkbox"/> Cu <input checked="" type="checkbox"/> Fe <input checked="" type="checkbox"/> Pb <input checked="" type="checkbox"/> Mg <input checked="" type="checkbox"/> Mn <input checked="" type="checkbox"/> Mo <input checked="" type="checkbox"/> Ni <input checked="" type="checkbox"/> K <input checked="" type="checkbox"/> Ag <input checked="" type="checkbox"/> Na <input checked="" type="checkbox"/> Se <input checked="" type="checkbox"/> Sr <input checked="" type="checkbox"/> T <input checked="" type="checkbox"/> Sn <input checked="" type="checkbox"/> V <input checked="" type="checkbox"/> Zn <input checked="" type="checkbox"/> Hg <input checked="" type="checkbox"/></p> <p>Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg</p> <p>*INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: _____ (CIRCLE ONE)</p> <p>SPECIAL INSTRUCTIONS/COMMENTS: <u>Gram size jar is 8oz</u> <u>32oz jar can for parent analysis of all compounds - SVOC, PAH, PCB,</u> <u>metals, TOC, Body Hms</u></p>
II. Report Dup., MS, MSD as required		5 Day <input type="checkbox"/>	
III. Data Validation Report (Includes all raw data)		<input checked="" type="checkbox"/> Standard (10-15 working days)	
IV. CLP Deliverable Report		<input type="checkbox"/> Provide FAX Results	
V. EDD			
RELINQUISHED BY:	Signature: <u>[Signature]</u> Date/Time: <u>1/29/11</u> Printed Name: <u>Sam Hawkins</u> Firm: <u>TPEC</u>	Signature: <u>[Signature]</u> Date/Time: <u>1-29-11</u> Printed Name: <u>Sam Hawkins</u> Firm: <u>TPEC</u>	RELINQUISHED BY:

Signature: <u>[Signature]</u> Date/Time: <u>1/29/11</u> Printed Name: <u>Sam Hawkins</u> Firm: <u>TPEC</u>	Signature: <u>[Signature]</u> Date/Time: <u>1-29-11</u> Printed Name: <u>Sam Hawkins</u> Firm: <u>TPEC</u>	Signature: <u>[Signature]</u> Date/Time: _____ Printed Name: _____ Firm: _____	Signature: _____ Date/Time: _____ Printed Name: _____ Firm: _____
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CHAIN OF CUSTODY

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	NUMBER OF CONTAINERS	REMARKS
TT B7-SS	1/24/07	1200		Soil	3	
TT B6-SS	1/26/07	1219		Soil	3	
TT B5-SS	1/26/07	1240		Soil	3	
TT B4-SS	1/26/07	1300		Soil	3	
TT B3-SS	1/26/07	1319		Soil	3	
TT B2-SS	1/26/07	1413		Soil	3	
TT B1-SS	1/26/07	1437		Soil	3	

REPORT REQUIREMENTS

I. Routine Report: Method Blank, Surrogate, as required

II. Report Dup., MS, MSD as required

III. Data Validation Report (includes all raw data)

IV. CLP Deliverable Report

V. EDD

INVOICE INFORMATION

P.O. # _____

Bill To: _____

TURNAROUND REQUIREMENTS

24 hr. _____ 48 hr. _____

5 Day _____

Standard (10-15 working days) _____

Provide FAX Results _____

Requested Report Date _____

SPECIAL INSTRUCTIONS/COMMENTS:

*INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: _____ (CIRCLE ONE)

Gram Surjan is 802

RELINQUISHED BY:

Signature: _____ Date/Time: 1/29/07

Printed Name: _____ Firm: _____

RECEIVED BY:

Signature: _____ Date/Time: 1-29-07

Printed Name: _____ Firm: _____

RELINQUISHED BY:

Signature: _____ Date/Time: _____

Printed Name: _____ Firm: _____

RECEIVED BY:

Signature: _____ Date/Time: _____

Printed Name: _____ Firm: _____