

Site Closure Report

**Harborview Park Site
Everett, Washington**

BNSF Railway Company

K/J 0496017.01

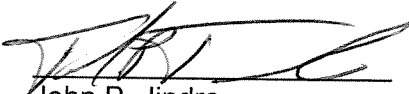
January 2008

Kennedy/Jenks Consultants

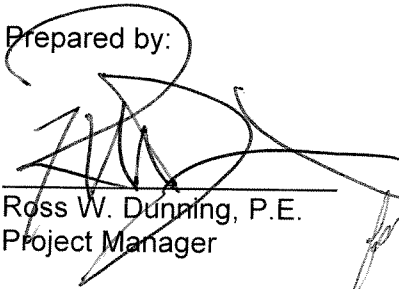
**SITE CLOSURE REPORT
HARBORVIEW PARK SITE
Everett, Washington**

**Prepared for
BNSF RAILWAY COMPANY**

Prepared by:


John P. Jindra
Project Engineer

Prepared by:


Ross W. Dunning, P.E.
Project Manager

Reviewed by:


Ty C. Schreiner
Vice President

Prepared by

**KENNEDY/JENKS CONSULTANTS
ENGINEERS AND SCIENTISTS
32001 32nd Avenue South, Suite 100
Federal Way, Washington 98001
(253) 874-0555**

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1.0 EXECUTIVE SUMMARY

Kennedy/Jenks Consultants has prepared this Site Closure Report (SCR) on behalf of BNSF Railway Company (BNSF) to describe and document soil remediation activities conducted at the former Bunker C Fuel Storage site (site) adjacent to Harborview Park in Everett, Washington. Independent remedial actions discussed in this SCR were conducted pursuant to Washington State Department of Ecology's (Ecology) Voluntary Cleanup Program (VCP) requirements and the Model Toxics Control Act (MTCA).

Remediation work included excavation and offsite disposal of over 35,000 tons of petroleum-containing soil from the upland terrace and from the ditch adjacent to the southern tracks at the site, in accordance with Kennedy/Jenks Consultants July 2005 *Remedial Action Plan* and addenda (RAP) (Kennedy/Jenks Consultants 2005a).

Confirmation soil sampling results included in this SCR provide documentation that impacted soils at the site have been removed and residual soils are below MTCA Method A Cleanup Levels for Unrestricted Land Uses (WAC 173-340-900, Table 740-1).

Groundwater monitoring was performed in April of 2002 prior to initiation of site work and again in May 2007 following completion of site remediation activities. Monitoring results show concentrations of all constituents of concern to be below MTCA Method A Cleanup Levels for Groundwater (WAC 173-340-900, Table 721-1).

Sediment sampling was conducted adjacent to the site in August 2005 in accordance with the Sediment Sampling and Analysis Plan (Kennedy/Jenks Consultants 2005b). Detected chemical concentrations for each analyte were measured to be below applicable cleanup screening levels (CSLs) established under WAC 173-204-520.

Based on the results of these remedial actions and investigative findings, BNSF requests removal of the site from Ecology's Hazardous Sites List and for Ecology to

issue a No Further Action (NFA) determination under the VCP for soil, sediment, and groundwater at the site.

2.0 BACKGROUND

2.1 SITE DESCRIPTION AND HISTORICAL ACTIVITIES

The site is located on a hillside adjacent to Harborview Park and Possession Sound (Figure 1) and is a former petroleum storage/transfer station that was operated by the Great Northern Railway until the 1950s. Based on available historical information, Bunker C fuel oil was reportedly offloaded from ships at a former pier that extended into Possession Sound, and was stored in three large aboveground storage tanks (ASTs) located on a terrace in the hillside, pending distribution to railcars along the southern track (Figure 2). A comprehensive presentation of the site setting and history is provided in Kennedy/Jenks Consultant's January 2004 *Site Investigation Report and Preliminary Remedial Evaluation* (Kennedy/Jenks Consultants 2004) submitted to Ecology with the initial VCP application.

2.2 PREVIOUS INVESTIGATIONS

Several soil and groundwater investigations were conducted at the site prior to initiation of remedial actions. A comprehensive discussion of previous investigation activities and the results of these investigations are provided in the January 2004 report (Kennedy/Jenks Consultants 2004).

3.0 SITE REMEDIATION

3.1 DITCH AND UPLAND EXCAVATION AND BACKFILL

Over 35,000 tons of petroleum-containing soil were excavated during two distinct periods from the terrace and ditch adjacent to the tracks (Figure 3) and shipped offsite to Regional Disposal Company's landfill in Roosevelt, Washington, and Waste Management's Columbia Ridge, Oregon, Landfill for disposal. From October 31, 2005 until January 24, 2006, the ditch and most of the upland terrace were excavated. Following collection and analysis of confirmation soil samples, the ditch was lined with non-woven geotextile and backfilled with quarry spalls. Work in the upland terrace began in the western portion of the site and progressed to the east. As petroleum-impacted soil was removed, confirmation samples were collected to confirm that residual soils were below MTCA Method A unrestricted soil cleanup standards. As necessary, additional soil was excavated and confirmation sampling was re-performed until residual soils met applicable MTCA Method A soil cleanup levels for unrestricted land uses.

Work was halted at the site in the third week of January 2006 when sample analysis results were received indicating the presence of arsenic above MTCA Method A cleanup levels in the rock backfill placed at the upland terrace. Removal and replacement of the unacceptable fill material was negotiated over the subsequent several months and the arsenic-containing backfill was removed, returned to the source (Iron Mountain Quarry in Granite Falls, Washington), and replaced with clean crushed rock derived from another location at the quarry during the period March 7 through March 21, 2007.

Following backfill removal and replacement, work resumed to remove the remaining petroleum-containing soil in the upland terrace area. The final loads of petroleum-containing soil were shipped from the site on June 18, 2007, and the site surface was covered with the replacement crushed rock material from the Iron Mountain Quarry. Excavation depths in the upland terrace ranged from approximately 2 feet to over 30 feet at locations estimated on Figure 3. A portion of the access road leading to

the lowland portion of the site was removed and relocated to accommodate excavation of a wooden trough found to contain Bunker C material extending from the upland terrace to the north across the access road. The complete extent of the trough was excavated, and the slope extending from the upland terrace down to the tracks was investigated with a hand auger looking for additional conveyance elements and evidence of Bunker C. No additional contamination was found during this investigation.

Soil and ballast were excavated to depths ranging from approximately 1 to 3 feet from the ditch adjacent to the tracks in the lowland portion of the site, and an oil/water separator previously discovered in the ditch was removed. No residual contaminated material was observed to remain in the ditch or along the rail alignment following excavation activities. Photos documenting remediation activities are included in Appendix A.

3.2 CONFIRMATION AND BACKFILL QUALITY SAMPLING AND ANALYSIS

A map showing confirmation monitoring sample locations is provided on Figure 3. Tabulated confirmation sampling results for diesel- and oil-range total petroleum hydrocarbons (TPH) and polynuclear aromatic hydrocarbons (PAHs) are provided in Tables 1 and 2, respectively. Confirmation soil inorganic analytical results for samples collected following removal of the arsenic-containing backfill are provided in Table 3. Confirmation sampling laboratory analytical reports are included in Appendix B. Documentation from the disposal facilities documenting disposal of waste soil are provided in Appendix C.

The replacement backfill material was stockpiled at the Iron Mountain Quarry prior to delivery to the site and a total of 20 samples were collected for analysis. All samples were analyzed for eight Resource Conservation and Recovery Act (RCRA) metals by EPA Method 6020. The 20 discrete samples were combined into four composite samples and analyzed for gasoline, diesel, and heavy oil range hydrocarbons using the Northwest Total Petroleum Hydrocarbon Identification (NWTPH-HCID) Method, PAHs using EPA Method 8270-SIM, and polychlorinated biphenyls (PCBs) by EPA Method 8082. Backfill sampling results are included in Table 4.

When excavation and backfilling activities were completed, all residual soil concentrations of the constituents of concern at the site were below MTCA Method A Soil Cleanup Levels for Unrestricted Land Uses.

4.0 ADDITIONAL INVESTIGATIONS

This section provides a summary of sediment and groundwater investigation activities performed in addition to the primary soil remediation activities described above.

4.1 SEDIMENT INVESTIGATION

Kennedy/Jenks Consultants prepared a *Sediment Investigation Report* (SIR) in January 2006 [(Kennedy/Jenks Consultants 2006), included in Appendix D] to describe the methodologies and present the analytical results from a marine sediment investigation conducted on August 17, 2005 adjacent to the site. Sediment sampling was conducted pursuant to Washington Sediment Management Standards (SMS) (WAC 173-204) (Ecology 2003) and as described in the May 2005 *Sediment Sampling and Analysis Plan* (SSAP) prepared by Kennedy/Jenks Consultants (Kennedy/Jenks Consultants 2005b).

Based on review and screening of sediment analytical data, no analytes exceeded applicable CSLs defined by Ecology (2003).

4.2 GROUNDWATER MONITORING

Two monitoring wells were installed at the site in April 2002. Monitoring well MW-1 was installed at the top of the slope to a total depth of 61 feet below grade, and monitoring well MW-2 was installed to a total depth of 20 feet below grade at the toe of the slope at the locations shown on Figure 3. Each of these wells was completed in the uppermost groundwater zone encountered at the site and is located directly down-slope of areas where impacted soils previously present have been removed. Additional monitoring well construction details are included in Zipper Zeman Associates' *Subsurface Exploration and Geotechnical Engineering Report* dated August 8, 2002 included in Volume II, Appendix B of the January 2004 *Site Investigation Report and Preliminary Remedial Evaluation* (Kennedy/Jenks Consultants 2004).

Groundwater monitoring was performed on April 15, 2002 prior to initiation of remediation activities at the site and again on May 25 and 31, 2007 during the final stages of site remediation. Analytical results for both sampling events showed concentrations of diesel- and lube oil-range petroleum hydrocarbons and PAHs to be below MTCA Method A Cleanup Levels for Groundwater (WAC 173-340-900, Table 720-1). Groundwater monitoring data are included in Table 5, and analytical reports for groundwater monitoring are included in Appendix B.

No groundwater impacts from past site uses have been identified based on the groundwater monitoring results.

5.0 WETLAND DETERMINATION

An approximately ½-acre wetland was identified in the western portion of the site during initial site investigations (Figure 2). The weathered Bunker C fuel found at several locations at the site during initial investigations resembled asphalt. It was estimated that the wetland area was supported by the presence of the petroleum hydrocarbons present in the site soil, i.e. the Bunker C material contained in the soil was inhibiting downward movement of surface water. The remedial goals for the project required removal of soil in the wetland portion of the site, which was thought to possibly permanently change hydraulic conditions in the wetland area.

The U.S. Army Corps of Engineers (Corps) was contacted to provide a jurisdictional determination for the wetland at the site. The Corps visited the site on July 21, 2005 and provided the determination that the wetland at the site was isolated and therefore beyond their jurisdiction. A letter documenting the Corps' position is included in Appendix E. Kennedy/Jenks Consultants contacted Ecology to determine regulatory jurisdiction of the wetland and negotiate site remediation and any necessary restoration. Upon determination that Ecology maintained jurisdiction over the wetland, Ecology issued Administrative Order No. 2849 (also included in Appendix E) for excavation of contaminated soil and filling the wetland on October 7, 2005.

The wetland area was monitored for 2 years following excavation and backfilling activities in accordance with the Administrative Order and wetland conditions were not observed to be present during that period. Based on the absence of wetland conditions, Ecology issued a determination dated July 30, 2007 that the conditions of Administrative Order No. 2849 were met, and no further wetland mitigation will be required by Ecology at the site. Ecology's letter alleviating BNSF from further action is also included in Appendix E.

6.0 CONCLUSIONS

Based on the results of confirmation soil sampling following excavation and removal of petroleum-impacted soils, analyte concentrations in residual soils present at the site are below MTCA Method A Soil Cleanup Levels for Unrestricted Land Uses. Groundwater monitoring results for wells completed downgradient of soil removal areas show levels for the constituents of concern at the site to be below MTCA Groundwater Cleanup Levels. Sediment sampling conducted directly adjacent to the site indicates that sediment concentrations are below SCLs established under WAC 173-204. Based on this information, BNSF requests that Ecology remove the site from the Hazardous Sites List and issue a NFA determination for site soil, groundwater, and sediments.

7.0 REFERENCES

Kennedy/Jenks Consultants. 2004. *Site Investigation Report and Preliminary Remedial Evaluation, Harborview Park, Everett, Washington*. Prepared for BNSF Railway Company. K/J 986171.02. 19 January 2004.

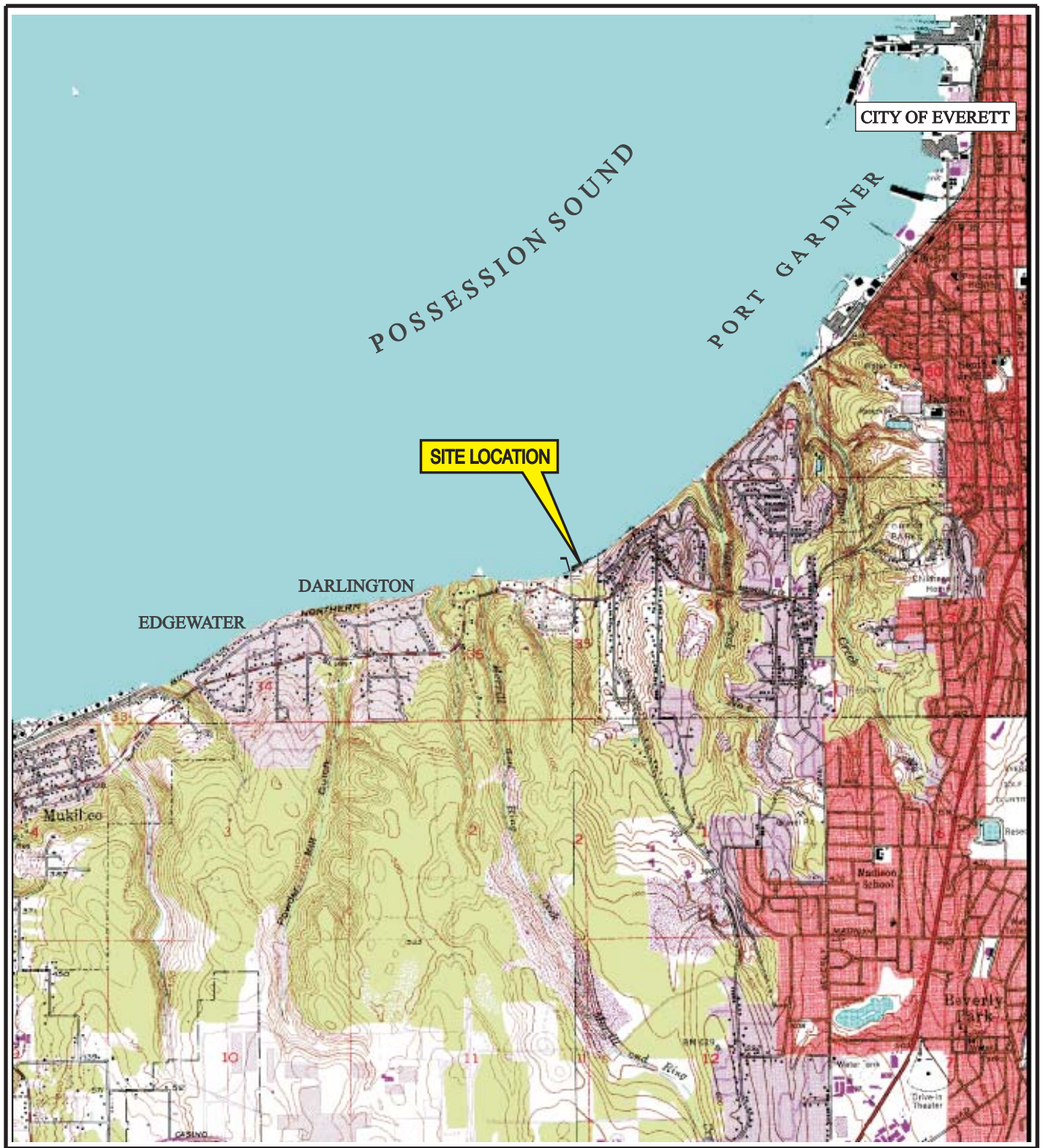
Kennedy/Jenks Consultants. 2005a. *Remedial Action Plan, Harborview Park Site, Everett, Washington*. Prepared for BNSF Railway Company. K/J 0496017. July 2005.

Kennedy/Jenks Consultants. 2005b. *Sediment Sampling and Analysis Plan, Harborview Park, Everett, Washington*. Prepared for BNSF Railway Company. K/J 0496017. May 2005.

Kennedy/Jenks Consultants. 2006. *Sediment Investigation Report, Harborview Park, Everett, Washington*. Prepared for BNSF Railway Company. January 2006.

Washington Department of Ecology. 1991. *Sediment Cleanup Standards User Manual, First Edition*. Sediment Management Unit. December 1991.

Washington Department of Ecology. 2003. *Guidance on the Development of Sediment Sampling and Analysis Plans Meeting the Requirements of the SMS (Chapter 173-204 WAC). Sediment Sampling and Analysis Plan Appendix*. Ecology Publication No. 03-09-043. Revised April 2003.



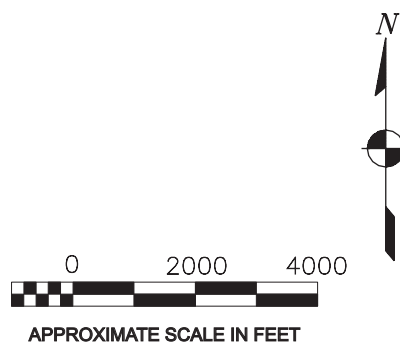
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HARBORVIEW PARK
EVERETT, WA

SITE LOCATION MAP

0496017-HARBORVIEW PARK/FIG_1.CDR

FIGURE 1





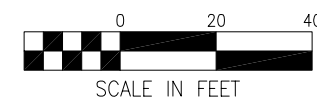
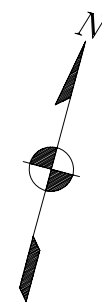
LEGEND

- EXCAVATION BASE CONFIRMATION SAMPLING LOCATION WITH GRID LOCATION AND SAMPLE DEPTH NOTED.
- ◆ EXCAVATION SIDEWALL CONFIRMATION SAMPLING LOCATION.
- TP-1 THRU TP-6, TP-10, TP-11 AND TP-17 WERE COLLECTED FOR VISUAL CONFIRMATION ONLY. TP-4, TP-9 AND TP-20 WERE REMOVED DURING DEEPER EXCAVATION.
- TP-15-8.0 TEST PIT SAMPLING LOCATION
- * RD-1 THRU RD-5 INORGANIC SAMPLE LOCATIONS ALONG ACCESS ROAD
- GROUNDWATER MONITORING WELL LOCATIONS

NOTE:

1. LAST NUMBER OF SAMPLE IDENTIFIER INDICATES APPROXIMATE SAMPLE DEPTH BASED ON PREVIOUS GROUND SURFACE.
2. SAMPLES COLLECTED AT POSITIONS IDENTIFIED IN THE FIELD USING TRIMBLE GEOXT HANDHELD GPS UNIT. LOCATIONS APPROXIMATE.
3. ARSENIC SAMPLES COLLECTED AT NODE LOCATIONS EITHER PRIOR TO PLACEMENT OF UNSUITABLE FILL OR FOLLOWING REMOVAL.

SOURCE OF MAP: SITE PLAN DEVELOPED FROM SURVEY PERFORMED BY EARTH TECH, INC.



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HARBORVIEW PARK
EVERETT, WA

CONFIRMATION SAMPLING MAP TPH, PAH, AND ARSENIC CONFIRMATIONAL SAMPLING LOCATIONS

0496017-HARBOR PARK\FIG-1

FIGURE 3

SUMMARY OF CONFIRMATION SAMPLE SOIL PETROLEUM HYDROCARBON ANALYTICAL RESULTS

BNSF Harborview Park Remedial Action

Confirmation Sample Location	Depth (ft bgs) ^(a)	Sample Date	Petroleum Hydrocarbons ^(b) (mg/kg) ^(c)	
			Diesel	Lube Oil
Upper Terrace and Drainage Ditch				
2005 - 2007 Data				
B-1-1.0	1.0	11/16/05	47.3 ^(d)	181
B-2-2.0	2.0	11/16/05	<12.4 ^(e)	<30.9
B-2.5-2.5	2.5	12/5/05	<13.3	<33.3
B-3.25-2.5	2.5	12/5/05	<13.1	<32.8
B-4-3.0	3.0	12/5/05	<13.6	<34.0
C-2-2.0	2.0	11/16/05	27.1 ^(f)	<30.9
C-3-2.0	2.0	11/16/05	<12.4	<30.9
C-4-2.5	2.5	12/21/05	<12.7	<31.7
C-5-2.5	2.5	12/5/05	<13.1	<32.8
CS-1-7.0	7.0	1/19/06	37.7 ^(g)	64.6 ^(g)
D-36A-1.5	1.5	12/20/05	<12.3	<30.8
D-37-2.5	2.5	12/29/05	254 ^(d)	652
D-38-1.5	1.5	12/21/05	<13.3	<33.3
D-39-1.5	1.5	12/21/05	<12.9	<32.2
D-40-1.5	1.5	12/29/05	<13.5	41.9
D-41-1.5	1.5	12/29/05	43.0 ^(d)	123
D-42-1.5	1.5	12/30/05	<11.4	<28.4
D-43-1.5	1.5	1/3/06	<11.1	<27.8
D-44-1.5	1.5	1/3/06	<11.7	58.8
E-1-15.0	15.0	3/27/07	<11.5	<28.5
E-2-2.5	2.5	12/2/05	<11.4	<28.4
E-3-4.0	4.0	12/21/05	<10.5	<26.3
E-4-2.5	2.5	12/21/05	<12.9	<32.3
E-5-1.5	1.5	12/21/05	<12.0	54.9
F-1-18.0	18.0	3/27/07	<10.8	<27.1
F-2-6.0	6.0	12/2/05	<12.1	<30.3
F-3-6.0	6.0	12/29/05	<11.7	<29.3
F-4-6.0	6.0	12/29/05	<12.6	<31.6
F-5-2.5	2.5	1/16/06	<11.6	<29.1
G-1-15.0	15.0	3/27/07	<10.6	<26.6
G-2-10.0	10.0	1/10/06	<11.2	<28.1
G-3-6.0	6.0	1/4/06	<12.4	<31.1
G-4-6.0	6.0	1/4/06	<12.2	<30.5
G-5-3.0	3.0	1/16/06	<10.1	<25.3
H-1-12.0	12.0	3/27/07	<10.7	<26.7
H-2-9.0	9.0	1/3/06	<10.5	<26.3
H-3-7.0	7.0	1/13/06	<10.6	<26.4
H-4-4.0	4.0	1/9/06	<12.7	<31.8
H-5-3.0	3.0	1/16/06	<10.9	<27.1
I-1-12.0	12.0	3/27/07	36.3	68
I-2-4.0	4.0	11/17/05	<10.3	<25.8
I-3-2.5	2.5	11/10/05	<10.4	<26.1
I-4-3.0	3.0	11/10/05	<10.5	<26.2
I-5-3.5	3.5	1/16/06	29.5 ^(d)	151 ^(f)
J-3-4.0	4.0	11/10/05	<10.5	<26.3
J-4-7.0	7.0	1/9/06	<12.0	<30.1
J-5-4.0	4.0	1/16/06	<10.8	<27.0

SUMMARY OF CONFIRMATION SAMPLE SOIL PETROLEUM HYDROCARBON ANALYTICAL RESULTS

BNSF Harborview Park Remedial Action

Confirmation Sample Location	Depth (ft bgs) ^(a)	Sample Date	Petroleum Hydrocarbons ^(b) (mg/kg) ^(c)	
			Diesel	Lube Oil
Upper Terrace and Drainage Ditch				
2005 - 2007 Data				
K-4-5.0	5.0	1/4/06	<12.1	<30.2
K-5-5.0	5.0	1/16/06	<10.8	<27.1
L-1-15.0	15.0	3/27/07	<10.9	<27.2
L-2-5.0	5.0	12/29/05	<11.2	<28.0
L-3-6.0	6.0	1/4/06	<10.5	<26.3
L-4-5.0	5.0	1/4/06	<12.4	<31.0
L-5-6.0	6.0	1/16/06	<10.5	<26.3
M-1-6.0	6.0	3/26/07	<10.9	<27.3
M-2-8.0	8.0	11/22/05	<10.8	<26.9
M-3-8.0	8.0	1/4/06	<12.4	<30.9
M-4-8.0	8.0	1/4/06	<11.9	<29.8
M-5-6.0	6.0	1/16/06	<11.3	<28.3
M/N-4-6.0	6.0	1/16/06	<10.7	<26.9
N-2-5.0	5.0	3/27/07	<10.7	<26.7
N-3-6.0	6.0	3/27/07	160	273
N Road-1-17.0	17.0	3/26/07	<11.4	<28.5
S Road-2-15.0	15.0	3/26/07	<10.8	<27.1
OWS-1A	8.0	12/27/05	15.8 ^(d)	<30.2
OWS-1B	8.0	12/27/05	<12.0	<30.1
TP-7-6.0	6.0	11/17/05	<10.7	<26.8
TP-8-5.0	5.0	11/17/05	<11.0	<27.4
TP-12-7.5	7.5	12/2/05	<11.9	<29.8
TP-13-3.5	3.5	12/2/05	<11.8	<29.6
TP-14-3.0	3.0	12/5/05	<12.3	<30.8
TP-15-8.0	8.0	12/21/05	<11.5	<28.7
TP-16-6.0	6.0	1/9/06	<12.5	<31.3
TP-18-7.0	7.0	1/9/06	19.0 ^(d)	<29.2
TP-19-16.0	16.0	1/19/06	<12.8	<32.0
TP-21-14.0	14.0	01/19/06	<12.6	<31.5
TP-22-12.0	12.0	01/19/06	<11.9	<29.7
TP-100-24.0	24.0	5/15/07	<12.2	<30.4
TP-101-26.0	26.0	5/15/07	<12.8	<32.0
TP-102-24.0	24.0	5/15/07	<11.8	<29.4
TP-103-30.0	30.0	5/18/07	<11.1	<27.7
TP-104-31.0	31.0	5/22/07	<12.0	<30.0
TP-105-29.0	29.0	5/22/07	<11.7	<29.3

Notes:

- (a) ft bgs = feet below ground surface
- (b) Soil samples were analyzed for diesel-range and oil-range hydrocarbons by Ecology Method NWTPH-Dx .
- (c) mg/kg = milligrams per kilogram
- (d) Results in the diesel-range are primarily due to overlap from heavy oil-range.
- (e) "<" Denotes that the compound was not detected at or above the indicated method reporting limit.
- (f) The sample chromatographic pattern does not resemble the fuel standard used for quantitation.
- (g) Hydrocarbon pattern most closely resembles a heavy fuel oil product.

Concentrations detected above the method reporting limit are shown in bold.

TABLE 2

SUMMARY OF CONFIRMATION SAMPLE SOIL POLYNUCLEAR AROMATIC HYDROCARBON ANALYTICAL RESULTS
BNSF Harborview Park Remedial Action

Confirmation Sample Location	Approximate Depth (ft bgs) ^(a)	Sample Date	Acenaph- thene	Acenaph- thylene	Anthracene	Benzo (a) anthracene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Benzo (g,h,i) perylene	Chrysene	Dibenz (a,h) anthracene	Fluor- anthene	Fluorene	Indeno (1,2,3-cd) pyrene	1-Methyl- naphthalene	2-Methyl- naphthalene	Naphthalene	Phen- anthrene	Pyrene	Toxicity Equivalence (mg/kg) ^(b)
Upper Terrace and Drainage Ditch																					
Polynuclear Aromatic Hydrocarbons (PAHs) ^(c) (mg/kg)																					
B-1-1.0	1.0	11/16/05	<0.154 ^(d)	<0.154	0.0320	0.0659	0.0671	0.0564	0.0591	0.0310	0.0804	<0.154	0.156	<0.154	0.0265	<0.154	<0.154	0.0154	0.0772	0.147	0.094854
B-2-2.0	2.0	11/16/05	<0.122	<0.122	0.0938	<0.122	0.0307	<0.122	<0.122	<0.122	<0.122	<0.122	<0.122	0.0153	<0.122	<0.122	<0.122	0.0169	0.0233	<0.122	0.040582
B-2.5-2.5	2.5	12/5/05	<0.131	<0.131	0.0238	<0.131	<0.131	<0.131	<0.131	<0.131	<0.131	<0.131	<0.131	<0.131	<0.131	<0.131	<0.131	<0.131	<0.131	<0.131	0.023711
B-3.25-2.5	2.5	12/5/05	<0.135	<0.135	<0.135	<0.135	<0.135	<0.135	<0.135	<0.135	<0.135	<0.135	<0.135	<0.135	<0.135	<0.135	<0.135	<0.135	<0.135	<0.135	0.024435
B-4-3.0	3.0	12/5/05	<0.135	<0.135	<0.135	<0.135	<0.135	<0.135	<0.135	<0.135	<0.135	<0.135	<0.135	<0.135	<0.135	<0.135	<0.135	<0.135	<0.135	<0.135	0.024435
C-2-2.0	2.0	11/16/05	<0.124	<0.124	<0.124	<0.124	<0.124	<0.124	<0.124	<0.124	<0.124	<0.124	<0.124	<0.124	<0.124	0.0252	<0.124	0.0165	<0.124	<0.124	0.022444
C-3-2.0	2.0	11/16/05	<0.124	<0.124	<0.124	<0.124	<0.124	<0.124	<0.124	<0.124	<0.124	<0.124	<0.124	<0.124	<0.124	<0.124	<0.124	<0.124	<0.124	<0.124	0.022444
C-4-2.5	2.5	12/21/05	<0.127	<0.127	<0.127	<0.127	<0.127	<0.127	<0.127	<0.127	<0.127	<0.127	<0.127	<0.127	<0.127	<0.127	<0.127	<0.127	<0.127	<0.127	0.022987
C-5-2.5	2.5	12/5/05	<0.131	<0.131	<0.131	<0.131	<0.131	<0.131	<0.131	<0.131	<0.131	<0.131	<0.131	<0.131	<0.131	<0.131	<0.131	<0.131	<0.131	<0.131	0.023711
CS-1-7.0	7.0	1/19/06	0.403	<0.123	0.387	0.160	0.0377	0.0507	0.0466	<0.123	0.172	<0.123	1.52	0.622	<0.123	0.0249	<0.123	<0.123	1.37	0.833	0.071300
D-36A-1.5	1.5	12/20/05	<0.123	<0.123	<0.123	<0.123	<0.123	<0.123	<0.123	<0.123	<0.123	<0.123	<0.123	<0.123	<0.123	<0.123	<0.123	<0.123	<0.123	<0.123	0.022263
D-37-2.5	2.5	12/29/05	<0.687	0.421	0.691	0.554	0.862	0.813	0.846	0.348	0.975	0.160 ^(e)	0.664	<0.0687	0.391	<0.0687	<0.0687	0.0815	0.0774	0.914	1.19615 ^(f)
D-38-1.5	1.5	12/21/05	0.017	<0.133	0.0878	0.0878	0.0312	0.0344	0.0356	<0.133	0.181	<0.133	0.238	0.0378	<0.133	<0.133	<0.133	<0.133	0.0653	0.112	0.055440
D-39-1.5	1.5	12/21/05	<0.129	<0.129	<0.129	<0.129	<0.129	<0.129	<0.129	<0.129	<0.129	<0.129	<0.129	<0.129	<0.129	<0.129	<0.129	<0.129	<0.129	<0.129	0.023349
D-40-1.5	1.5	12/29/05	<0.133	0.0238	0.243	0.796	0.616	0.682	0.545	0.241	1.76	0.101 ^(e)	2.71E ^(g)	0.0281	0.247	<0.133	<0.133	<0.133	0.477	1.7	0.901 ^(f)
D-41-1.5	1.5	12/29/05	<0.628	<0.628	<0.628	0.0653	0.0682	0.102	<0.628	<0.628	0.0975	<0.628 ^(e)	0.113	<0.628	<0.628	<0.628	<0.628	<0.628	<0.628	0.0824	0.123585 ^(f)
D-42-1.5	1.5	12/30/05	<0.115	0.0131	0.0133	0.153	0.146	0.104	0.126	0.0832	0.183	0.0342 ^(e)	0.304	<0.115	0.0803	<0.115	<0.115	<0.115	0.04	0.203	0.20784 ^(f)
D-43-1.5	1.5	1/3/06	<0.110	<0.110	0.0335	0.327	0.283	0.182	0.159	0.138	0.423	0.0506 ^(e)	0.488	<0.110	0.11	<0.110	<0.110	<0.110	0.121	0.591	0.38527 ^(f)
D-44-1.5	1.5	1/3/06	<0.116	0.0198	<0.116	<0.116	0.0552	0.0699	0.0353	0.0774	0.0461	0.0309 ^(e)	<0.116	<0.116	0.0438	<0.116	<0.116	<0.116	<0.116	0.013	0.084081
E-1-15.0	15.0	3/27/07	<0.0117	<0.0117	<0.0117	<0.0117	<0.0117	<0.0117	<0.0117	<0.0117	<0.0117	<0.0117	<0.0117	<0.0117	<0.0117	<0.0117	<0.0117	<0.0117	<0.0117	<0.0117	0.021177
E-2-2.5	2.5	12/2/05	<0.114	<0.114	<0.114	<0.114	<0.114	<0.114	<0.114	<0.114	<0.114	<0.114	<0.114	<0.114	<0.114	<0.114	<0.114	<0.114	<0.114	<0.114	0.020634
E-3-4.0	4.0	12/21/05	0.0143	<0.105	0.0912	<0.105	<0.105	<0.105	<0.105	<0.105	<0.105	<0.105	0.0444	0.0318	<0.105	<0.105	<0.105	0.0109	0.0669	0.0254	0.019005
E-4-2.5	2.5	12/21/05	<0.129	<0.129	<0.129	<0.129	<0.129	<0.129	<0.129	<0.129	<0.129	<0.129	<0.129	<0.129	<0.129	<0.129	<0.129	<0.129	<0.129	<0.129	0.023349
E-5-1.5	1.5	12/21/05	<0.120	<0.120	<0.120	<0.120	0.0120	0.0143	<0.120	0.0422	<0.120	0.0154	<0.120	<0.120	0.0215	<0.120	<0.120	<0.120	<0.120	<0.120	0.024260
F-1-18.0	18.0	3/27/07	<0.0107	0.0163	0.265	0.0185	0.0577	0.0496	0.0252	0.0235	0.0829	0.0339	0.0445	0.0245	0.0434	<0.0107	<0.0107	0.013	0.0245	0.0397	0.085759
F-2-6.0	6.0	12/2/05	<0.123	<0.123	<0.123	<0.123	<0.123	<0.123	<0.123	<0.123	<0.123	<0.123	<0.123	<0.123	<0.123	<0.123	<0.123	<0.123	<0.123	<0.123	0.022263
F-3-6.0	6.0	12/29/05	<0.119	<0.119	<0.119	<0.119	<0.119	<0.119	<0.119	<0.119	<0.119	<0.119 ^(e)	<0.119	<0.119	<0.119	<0.119	<0.119	<0.119	<0.119	<0.119	0.021539
F-4-6.0	6.0	12/29/05	<0.125	<0.125	<0.125	<0.125	<0.125	<0.125	<0.125	<0.125	<0.125	<0.125 ^(e)	<0.125	<0.125	<0.125	<0.125	<0.125	<0.125	<0.125	<0.125	0.022625
F-5-2.5	2.5	1/16/06	<0.115	<0.115	<0.115	<0.115	<0.115	<0.115	<0.115	<0.115	<0.115	<0.115	<0.115	<0.115	<0.115	<0.115	<0.115	<0.115(h)	<0.115	<0.115	0.020815
G-1-15.0	15.0	3/27/07	<0.108	<0.108	0.0267	<0.108	0.0249	<0.108	<0.108	<0.108	<0.108	0.0267	0.0122	<0.108	0.0264	<0.108	<0.108	<0.108	<0.108	<0.108	0.041568
G-2-10.0	10.0	1/10/06	<0.111	<0.111	<0.111	<0.111	<0.111	<0.111	<0.111	<0.111	<0.111	<0.111	<0.111	<0.111	<0.111	<0.111	<0.111	<0.111	<0.111	<0.111	0.020091
G-3-6.0	6.0	1/4/06	0.0223	<0.123	0.0241	<0.123	<0.123	<0.123	<0.123	<0.123	0.0143	<0.123 ^(e)	0.18	0.0543	<0.123	<0.123	<0.123	0.0628	0.0539	0.0789	0.022283
G-4-6.0	6.0	1/4/06	<0.123	<0.123	<0.123	<0.123	<0.123	<0.123	<0.123	<0.123	<0.123	<0.123 ^(e)	<0.123	<0.123	<0.123	<0.123	<0.123	<0.123	<0.123	<0.123	0.022263
G-5-3.0	3.0	1/16/06	<0.102	<0.102	<0.102	<0.102	<0.102	<0.102	<0.102	<0.102	<0.102	<0.102	<0.102	<0.102	<0.102	<0.102	<0.102	<0.102 ^(h)	<0.102	<0.102	0.018462
H-1-12.0	12.0	3/27/07	<0.0104	<0.0104	<0.0104	<0.0104	<0.0104	<0.0104	<0.0104	<0.0104	<0.0104	<0.0104	<0.0104	<0.0104	<0.0104	<0.0104	<0.0104	<0.0104	<0.0104	<0.0104	0.018824
H-2-9.0	9.0	1/3/06	<0.106	<0.106	<0.106	<0.106	<0.106	<0.106	<0.106	<0.106	<0.106	<0.106 ^(e)	<0.106	<0.106	<0.106	<0.106	<0.106	<0.106	<0.106	<0.106	0.019186
H-3-7.0	7.0	1/13/06	<0.105	<0.105	<0.105	<0.105	<0.105	<0.105	<0.105	<0.105	<0.105	<0.105	<0.105	<0.105	<0.105	<0.105	<0.105	<0.105 ^(h)	<0.105	<0.105	0.019005
H-4-4.0	4.0	1/9/06	<0.127	<0.127	<0.127	<0.127	<0.127	<0.127	<0.127	<0.127	<0.127	<0.127 ^(e)	<0.127	<0.127	<0.127	<0.127	<0.127	<0.127	<0.127	<0.127	0.022987
H-5-3.0	3.0	1/16/06	<0.107	<0.107	<0.107	<0.107	<0.107	<0.107	<0.107	<0.107	<0.107	<0.107	<0.107	<0.107	<0.107	<0.107	<0.107	<0.107 ^(h)	<0.107	<0.107	0.019367
I-1-12.0	12.0	3/27/07	<0.0112	<0.0112	<0.0112	0.0162	0.0366	0.0154	<0.0112	<0.0112	0.048	0.0304	0.145	<0.0112	0.03	<0.0112	<0.0112	<0.0112	<0.0112	0.168	0.056520
I-2-4.0	4.0	11/17/05	<0.104	<0.104	<0.104	<0.104	<0.104	<0.104	<0.104	<0.104	<0.104	<0.104	<0.104	<0.104	<0.104	<0.104	<0.104	<0.104	<0.104	<0.104	0.018824
I-3-2.5	2.5	11/10/05	N/A ⁽ⁱ⁾	N/A	N/A	<0.106	<0.106	<0.106	<0.106	N/A	<0.106	<0.106	N/A	N/A	<0.106	N/A	N/A	N/A	N/A	N/A	0.019186
I-4-3.0	3.0	11/10/05	N/A	N/A	N/A	<0.103	<0.103	<0.103	<0.103	N/A	<0.103	<0.103	N/A	N/A	<0.103	N/A	N/A	N/A	N/A	N/A	0.018643
I-5-3.5	3.5	1/16/06	<0.116	<0.116	<0.116	0.0169	0.0388	0.0459 ⁽ⁱ⁾	0.0337 ⁽ⁱ⁾	0.0147 ⁽ⁱ⁾	0.0376	<0.116 ⁽ⁱ⁾	0.0549	<0.116	<0.116 ⁽ⁱ⁾	<0.116	<0.116	<0.116	0.042	0.0445	0.054626
J-3-4.0	4.0	11/10/05	N/A	N/A	N/A	<0.106	<0.106	<0.106	<0.106	N/A	<0.106	<0.106	N/A	N/A	<0.106	N/A	N/A	N/A	N/A	N/A	0.019186
J-4-7.0	7.0	1/9/06	<0.123	<0.123	<0.123	<0.123	<0.123	<0.123	<0.123	<0.123	<0.123	<0.123 ^(e)	<0.123	<0.123	<0.123	<0.123	<0.123	<0.123	<0.123	<0.123	0.022263
J-5-4.0	4.0	1/16/06	<0.107	<0.107																	

TABLE 2

SUMMARY OF CONFIRMATION SAMPLE SOIL POLYNUCLEAR AROMATIC HYDROCARBON ANALYTICAL RESULTS
BNSF Harborview Park Remedial Action

Confirmation Sample Location	Approximate Depth (ft bgs) ^(a)	Sample Date	Acenaph-thene	Acenaph-thylene	Anthracene	Benzo (a) anthracene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Benzo (g,h,i) perylene	Chrysene	Dibenz (a,h) anthracene	Fluor-anthene	Fluorene	Indeno (1,2,3-cd) pyrene	1-Methyl-naphthalene	2-Methyl-naphthalene	Naphthalene	Phen-anthrene	Pyrene	Toxicity Equivalence (mg/kg) ^(b)
Upper Terrace and Drainage Ditch																					
Polynuclear Aromatic Hydrocarbons (PAHs) ^(c) (mg/kg)																					
K-4-5.0	5.0	1/4/06	<.0121	<.0121	<.0121	<.0121	<.0121	<.0121	<.0121	<.0121	<.0121	<.0121 ^(e)	<.0121	<.0121	<.0121	<.0121	<.0121	<.0121	<.0121	<.0121	0.021901
K-5-5.0	5.0	1/16/06	<.0109	<.0109	<.0109	<.0109	<.0109	<.0109	<.0109	<.0109	<.0109	<.0109	<.0109	<.0109	<.0109	<.0109	<.0109	<.0109 ^(b)	<.0109	<.0109	0.019729
L-1-15.0	15.0	3/27/07	<0.0106	<0.0106	<0.0106	<0.0106	<0.0106	<0.0106	<0.0106	<0.0106	<0.0106	<0.0106	<0.0106	<0.0106	<0.0106	<0.0106	<0.0106	<0.0106	<0.0106	<0.0106	0.019186
L-2-5.0	5.0	12/29/05	<.0111	<.0111	<.0111	<.0111	<.0111	<.0111	<.0111	<.0111	<.0111	<.0111 ^(e)	<.0111	<.0111	<.0111	<.0111	<.0111	<.0111	<.0111	<.0111	0.020091
L-3-6.0	6.0	1/4/06	<.0105	<.0105	<.0105	<.0105	<.0105	<.0105	<.0105	<.0105	<.0105	<.0105 ^(e)	<.0105	<.0105	<.0105	<.0105	<.0105	<.0105	<.0105	<.0105	0.019005
L-4-5.0	5.0	1/4/06	<.0123	<.0123	<.0123	<.0123	<.0123	<.0123	<.0123	<.0123	<.0123	<.0123 ^(e)	<.0123	<.0123	<.0123	<.0123	<.0123	<.0123	<.0123	<.0123	0.022263
L-5-6.0	6.0	1/16/06	<.0106	<.0106	<.0106	<.0106	<.0106	<.0106	<.0106	<.0106	<.0106	<.0106	<.0106	<.0106	<.0106	<.0106	<.0106	<.0106 ^(b)	<.0106	<.0106	0.019186
M-1-6.0	6.0	3/26/07	<0.0111	<0.0111	<0.0111	<0.0111	<0.0111	<0.0111	<0.0111	<0.0111	<0.0111	<0.0111	<0.0111	<0.0111	<0.0111	<0.0111	<0.0111	<0.0111	<0.0111	<0.0111	0.020091
M-2-8.0	8.0	11/22/05	<.0109	<.0109	<.0109	<.0109	<.0109	<.0109	<.0109	<.0109	<.0109	<.0109	<.0109	<.0109	<.0109	<.0109	<.0109	<.0109	<.0109	<.0109	0.019729
M-3-8.0	8.0	1/4/06	<.0124	<.0124	<.0124	<.0124	<.0124	<.0124	<.0124	<.0124	<.0124	<.0124 ^(e)	<.0124	<.0124	<.0124	<.0124	<.0124	<.0124	<.0124	<.0124	0.022444
M-4-8.0	8.0	1/4/06	<.0118	<.0118	<.0118	<.0118	<.0118	<.0118	<.0118	<.0118	<.0118	<.0118 ^(e)	<.0118	<.0118	<.0118	<.0118	<.0118	<.0118	<.0118	<.0118	0.021358
M-5-6.0	6.0	1/16/06	<.0114	<.0114	<.0114	<.0114	<.0114	<.0114	<.0114	<.0114	<.0114	<.0114	<.0114	<.0114	<.0114	<.0114	<.0114	<.0114 ^(b)	<.0114	<.0114	0.020634
M/N-4-6.0	6.0	1/16/06	<.0106	<.0106	<.0106	<.0106	<.0106	<.0106	<.0106	<.0106	<.0106	<.0106	<.0106	<.0106	<.0106	<.0106	<.0106	<.0106 ^(b)	<.0106	<.0106	0.019186
N-2-5.0	5.0	3/27/07	<0.0108	<0.0108	<0.0108	<0.0108	<0.0108	<0.0108	<0.0108	<0.0108	<0.0108	<0.0108	<0.0108	<0.0108	<0.0108	<0.0108	<0.0108	<0.0108	<0.0108	<0.0108	0.019548
N-3-6.0	6.0	3/27/07	<0.0219	<0.0219	<0.0219	<0.0219	<0.0219	<0.0219	<0.0219	<0.0219	<0.0219	<0.0219	<0.0219	<0.0219	<0.0219	<0.0219	<0.0219	<0.0219	<0.0219	<0.0219	0.039639
N Road-1-17.0	17.0	3/26/07	<0.0111	<0.0111	<0.0111	<0.0111	<0.0111	<0.0111	<0.0111	<0.0111	<0.0111	<0.0111	<0.0111	<0.0111	<0.0111	<0.0111	<0.0111	<0.0111	<0.0111	<0.0111	0.020091
S Road-2-15.0	15.0	3/26/07	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	0.019005
OWS-1A	8.0	12/27/05	<.0121	<.0121	<.0121	0.0166	0.0277	0.0361	0.0194	0.0269	0.0263	<.0121 ^(e)	0.0133	<.0121	0.0214	<.0121	<.0121	<.0121	<.0121	0.0188	0.042153
OWS-1B	8.0	12/27/05	<.0118	<.0118	<.0118	<.0118	<.0118	<.0118	<.0118	<.0118	<.0118	<.0118 ^(e)	<.0118	<.0118	<.0118	<.0118	<.0118	<.0118	<.0118	<.0118	0.021358
TP-7-6.0	6.0	11/17/05	0.0136	<.0105	0.0459	0.0125	<.0105	<.0105	<.0105	<.0105	0.0213	<.0105	0.0409	0.0109	<.0105	<.0105	<.0105	<.0105	0.0358	0.0447	0.019313
TP-8-5.0	5.0	11/17/05	<.0109	<.0109	<.0109	<.0109	<.0109	<.0109	<.0109	<.0109	<.0109	<.0109	<.0109	<.0109	<.0109	<.0109	<.0109	<.0109	<.0109	<.0109	0.019729
TP-12-7.5	7.5	12/2/05	<.0118	<.0118	0.0471	0.0125	<.0118	<.0118	<.0118	<.0118	<.0118	<.0118	0.0492	0.0246	<.0118	<.0118	<.0118	<.0118	0.0808	0.0309	0.021428
TP-13-3.5	3.5	12/2/05	<.0120	<.0120	<.0120	<.0120	<.0120	<.0120	<.0120	<.0120	<.0120	<.0120	<.0120	<.0120	<.0120	<.0120	<.0120	<.0120	<.0120	<.0120	0.021720
TP-14-3.0	3.0	12/5/05	<.0124	<.0124	<.0124	<.0124	<.0124	<.0124	<.0124	<.0124	<.0124	<.0124	<.0124	<.0124	<.0124	<.0124	<.0124	<.0124	<.0124	<.0124	0.022444
TP-15-8.0	8.0	12/21/05	<.0115	<.0115	<.0115	<.0115	<.0115	<.0115	<.0115	<.0115	<.0115	<.0115	<.0115	<.0115	<.0115	<.0115	<.0115	<.0115	<.0115	<.0115	0.020815
TP-16-6.0	6.0	1/9/06	0.0264	<.0127	<.0127	<.0127	<.0127	<.0127	<.0127	<.0127	<.0127	<.0127 ^(e)	0.0400	0.0315	<.0127	<.0127	<.0127	0.0160	0.0153	0.0175	0.022987
TP-18-7.0	7.0	1/9/06	<.0117	<.0117	0.0318	<.0117	<.0117	<.0117	<.0117	<.0117	0.0121	<.0117 ^(e)	0.0339	<.0117	<.0117	<.0117	<.0117	<.0117	0.0153	0.0217	0.021181
TP-19-16.0	16.0	1/19/06	<.0129	<.0129	<.0129	<.0129	<.0129	<.0129	<.0129	<.0129	<.0129	<.0129	<.0129	<.0129	<.0129	<.0129	<.0129	<.0129	<.0129	<.0129	0.023349
TP-21-14.0	14.0	1/19/06	<.0124	<.0124	<.0124	<.0124	<.0124	<.0124	<.0124	<.0124	<.0124	<.0124	<.0124	<.0124	<.0124	<.0124	<.0124	<.0124	<.0124	<.0124	0.022444
TP-22-12.0	12.0	1/19/06	<.0119	<.0119	<.0119	<.0119	<.0119	<.0119	<.0119	<.0119	<.0119	<.0119	<.0119	<.0119	<.0119	<.0119	<.0119	<.0119	<.0119	<.0119	0.021539
TP-100-24.0	24.0	5/15/07	<0.0122	<0.0122	<0.0122	<0.0122	<0.0122	<0.0122	<0.0122	<0.0122	<0.0122	<0.0122	<0.0122	<0.0122	<0.0122	<0.0122	<0.0122	0.0343	0.0343	<0.0122	0.022082
TP-101-26.0	26.0	5/15/07	<0.0127	<0.0127	<0.0127	<0.0127	<0.0127	<0.0127	<0.0127	<0.0127	<0.0127	<0.0127	<0.0127	<0.0127	<0.0127	<0.0127	<0.0127	<0.0127	<0.0127	<0.0127	0.022987
TP-102-24.0	24.0	5/15/07	<0.0116	<0.0116	<0.0116	<0.0116	<0.0116	<0.0116	<0.0116	<0.0116	<0.0116	<0.0116	<0.0116	<0.0116	0.0171	<0.0116	<0.0116	<0.0116	<0.0116	0.0536	0.020996
TP-103-30.0	30.0	5/18/07	<0.0109	<0.0109	0.0146	0.0153	<0.0109	<0.0109	<0.0109	<0.0109	0.0182	<0.0109	0.12	0.0219	<0.0109	<0.0109	<0.0109	<0.0109	0.0903	0.0634	0.020242
TP-104-31.0	31.0	5/22/07	0.168	<0.0120	0.109	0.0775	0.0168	0.0216	0.0232	<0.0120	0.0855	<0.0120	0.737	0.292	<0.0120	0.016	<0.0120	0.0352	1.06	0.38	0.035885
TP-105-29.0	29.0	5/22/07	<0.0116	<0.0116	<0.0116	<0.0116	<0.0116	<0.0116	<0.0116	<0.0116	<0.0116	<0.0116	<0.0116	<0.0116	<0.0116	<0.0116	<0.0116	<0.0116	<0.0116	<0.0116	0.020996

Notes:

(a) ft bgs = feet below ground surface

(b) mg/kg = milligrams per kilogram - Toxicity Equivalence was calculated using the toxicity equivalency methodology defined in WAC 173-340-708(8)(e)

(c) Samples were analyzed for polynuclear aromatic hydrocarbons by EPA Method 8270 SIM.

(d) "<" denotes analyte was not detected at the indicated method reporting limit.

(e) The internal standard associated with this analyte was biased low and outside acceptance criteria. Re-analysis verified the original results.

(f) *Toxicity equivalence value exceeds MTCA Method A soil cleanup level for unrestricted land uses, but is below MTCA industrial levels. Samples collected from ditch within railroad right-of-way.*

(g) "E" denotes estimated value. The reported value exceeds the calibration range of the analysis.

(h) The analyte had a low bias in the associated calibration verification standard.

(i) "N/A" = Not analyzed

(j) The internal standard associated with this analyte was biased low and outside acceptance criteria.

Concentrations detected above the method reporting limit are shown in bold.

TABLE 3

**SUMMARY OF CONFIRMATION SAMPLE SOIL INORGANIC ANALYTICAL RESULTS
BNSF Harborview Park Remedial Action**

Confirmation Sample Location ^(a)	Sample Date	Arsenic ^(b) (mg/kg) ^(c)
Upper Terrace		
Inorganic Soil Samples Arsenic		
A-2	03/19/07	6.42
B-1	03/19/07	2.71
B-2	03/19/07	2.32
B-3	03/19/07	1.60
C-1	03/19/07	3.59
C-2	03/19/07	2.96
C-3	03/22/07	2.68
C-4	03/19/07	3.94
C-5	03/19/07	3.34
E-1	03/19/07	3.16
E-2	03/15/07	3.09
E-3	03/19/07	1.67
E-4	03/22/07	3.02
E-5	03/08/07	1.61
F-1	03/09/07	4.12
F-2	03/09/07	2.90
F-3	03/13/07	1.15
F-4	03/09/07	3.76
F-5	03/08/07	2.34
G-1	03/09/07	1.77
G-2	03/09/07	2.06
G-3	03/13/07	3.18
G-4	03/09/07	2.55
G-5	03/08/07	2.67
H-1	03/09/07	2.85
H-2	03/12/07	1.52
H-3	03/13/07	1.95
H-4	03/09/07	2.25
H-5	03/08/07	2.38
I-1	03/09/07	1.81
I-2	03/12/07	1.62
I-3	03/12/07	1.80
I-4	03/13/07	1.89
J-1	03/09/07	2.13
J-2	03/12/07	2.30
J-3	03/13/07	2.06
K-1	03/09/07	2.10
K-2	03/12/07	1.94
L-1	03/09/07	1.79
L-2	03/08/07	1.70
M-1	03/09/07	3.25
M-2	03/08/07	2.32
Rd-1	03/23/07	2.63
Rd-2	03/23/07	2.12
Rd-3	03/23/07	2.41
Rd-4	03/23/07	3.49
Rd-5	03/23/07	4.86

Notes:

- (a) Soil samples were taken on ground surface following excavation.
- (b) Soil samples were analyzed by EPA Method 6000/7000 Series.
- (c) mg/kg = milligrams per kilogram

TABLE 4

**SUMMARY OF BACKFILL SOIL INORGANIC ANALYTICAL RESULTS
BNSF Harborview Park Remedial Action**

Confirmation Sample Identification ^(a)	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
	Total Metals ^(b) (mg/kg) ^(c)							
Backfill Confirmation Sampling								
SP-1	9.97	75.1	<0.540 ^(d)	17.8	7.28	<0.101	<0.540	<0.540
SP-2	6.81	67.8	<0.506	15.3	4.44	<0.0954	<0.506	<0.506
SP-3	10.1	68.6	<0.527	16.2	7.32	<0.0948	<0.527	<0.527
SP-4	8.44	79.6	<0.552	18.1	5.09	<0.110	<0.552	<0.552
SP-5	8.4	79.2	<0.541	16.7	4.06	<0.0936	<0.541	<0.541
SP-6	7.44	76.6	<0.514	17.5	5.62	<0.0985	<0.514	<0.514
SP-7	8.85	65.9	<0.521	18.4	4.54	<0.110	<0.521	<0.521
SP-8	8.47	55.7	<0.494	19	3.76	<0.108	<0.494	<0.494
SP-9	7.36	60.5	<0.516	13.4	8.86	<0.104	<0.516	<0.516
SP-10	9.2	64	<0.539	19.3	5.79	<0.110	<0.539	<0.539
SP-11	7.86	62.5	<0.510	16.2	4.49	<0.110	<0.510	<0.510
SP-12	7.68	53.3	<0.516	14.8	3.76	<0.103	<0.516	<0.516
SP-13	8.75	56.2	<0.500	16	10.2	<0.0926	<0.500	<0.500
SP-14	11.6	69.5	<0.514	16.7	5.03	<0.0862	<0.514	<0.514
SP-15	6.5	65	<0.517	16.3	4.69	<0.0972	<0.517	<0.517
SP-16	8.1	64	<0.601	16.9	5.23	<0.108	<0.601	<0.601
SP-17	7.65	82.4	<0.519	20.9	7.1	<0.106	<0.519	<0.519
SP-18	9.34	76.8	<0.518	18.3	5.26	<0.102	<0.518	<0.518
SP-19	9.29	71.7	<0.506	18.7	10.6	<0.102	<0.506	<0.506
SP-20	7.21	70.2	<0.543	16.9	4.34	<0.0916	<0.543	<0.543

Notes:

- (a) Samples SP-1 through SP-20 were collected from stockpile, designated for delivery to the BNSF Harborview Park site from the Iron Mountain Quarry on 02/26/07.
- (b) Soil samples were analyzed by EPA Method 6000/7000 Series.
- (c) mg/kg = milligrams per kilogram
- (d) "<" Denotes analyte was not detected at the indicated method reporting limit.

TABLE 5

**SUMMARY OF BACKFILL SOIL ANALYTICAL RESULTS
BNSF Harborview Park Remedial Action**

	Confirmation Sample Identification ^(a)			
	Composite SP-1:SP-5	Composite SP-6:SP-10	Composite SP-11:SP-15	Composite SP-16:SP-20
Polynuclear Aromatic Hydrocarbons^(b) (mg/kg)^(c)				
Acenaphthene	<0.0104 ^(d)	<0.0106	<0.0108	<0.0109
Acenaphthylene	<0.0104	<0.0106	<0.0108	<0.0109
Anthracene	<0.0104	<0.0106	<0.0108	<0.0109
Benzo (a) anthracene	<0.0104	<0.0106	<0.0108	<0.0109
Benzo (a) pyrene	<0.0104	<0.0106	<0.0108	<0.0109
Benzo (b) fluoranthene	<0.0104	<0.0106	<0.0108	<0.0109
Benzo (k) fluoranthene	<0.0104	<0.0106	<0.0108	<0.0109
Benzo (g,h,i) perylene	<0.0104	<0.0106	<0.0108	<0.0109
Chrysene	<0.0104	<0.0106	<0.0108	<0.0109
Dibenz (a,h) anthracene	<0.0104	<0.0106	<0.0108	<0.0109
Fluoranthene	<0.0104	<0.0106	<0.0108	<0.0109
Fluorene	<0.0104	<0.0106	<0.0108	<0.0109
Indeno (1,2,3-cd) pyrene	<0.0104	<0.0106	<0.0108	<0.0109
1-Methyl-naphthalene	<0.0104	<0.0106	<0.0108	<0.0109
2-Methyl-naphthalene	<0.0104	<0.0106	<0.0108	<0.0109
Naphthalene	<0.0104	<0.0106	<0.0108	<0.0109
Phenanthrene	<0.0104	<0.0106	<0.0108	<0.0109
Pyrene	<0.0104	<0.0106	<0.0108	<0.0109
Petroleum Hydrocarbons^(e) (mg/kg)				
Gasoline	<20.8	<21.0	<21.4	<21.7
Kerosene	<52.1	<52.5	<53.5	<54.3
Diesel	<52.1	<52.5	<53.5	<54.3
Insulating Oil	<104	<105	<107	<109
Heavy Fuel Oil	<104	<105	<107	<109
Lube Oil	<104	<105	<107	<109
Polychlorinated Biphenyls^(f) (µg/kg)^(g)				
Aroclor 1016	<26.5	<26.5	<27.4	<26.8
Aroclor 1221	<53.1	<53.0	<54.8	<53.6
Aroclor 1232	<26.5	<26.5	<27.4	<26.8
Aroclor 1242	<26.5	<26.5	<27.4	<26.8
Aroclor 1248	<26.5	<26.5	<27.4	<26.8
Aroclor 1254	<26.5	<26.5	<27.4	<26.8
Aroclor 1260	<26.5	<26.5	<27.4	<26.8
Aroclor 1262	<26.5	<26.5	<27.4	<26.8
Aroclor 1268	<26.5	<26.5	<27.4	<26.8

Notes:

- (a) Samples Composite SP-1:SP-5 through Composite SP-16:SP:SP-20 were combined from individual samples SP-1 - SP-20.
- (b) Soil samples were analyzed by EPA method 8270-SIM.
- (c) mg/kg = milligrams per kilogram.
- (d) "<" Denotes analyte was not detected at the indicated method reporting limit.
- (e) Soil samples were analyzed by Washington DOE Method NWTPH-HCID.
- (f) Soil samples were analyzed by EPA Method 8082.
- (g) µg/kg = micrograms per kilogram.

TABLE 6

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
BNSF Harborview Park Remedial Action

Sample Location	Sample Date	Diesel Range Hydrcarbons	Lube Oil Range Hydrocarbons	Acenaph-thene	Acenaph-thylene	Anthracene	Benzo (a) anthracene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Benzo (g,h,i) perylene	Chrysene	Dibenz (a,h) anthracene	Fluor-anthene	Fluorene	Indeno (1,2,3-cd) pyrene	1-Methyl-naphthalene	2-Methyl-naphthalene	Naphthalene	Phen-anthrene	Pyrene	Toxicity Equivalence (mg/kg) ^(b)
		Petroleum Hydrocarbons ^(a) µg/L ^(b)		Polynuclear Aromatic Hydrocarbons (PAHs) ^(c) (µg/LI)																		
MW-1	4/15/02	<130 ^(d)	<250	<0.02	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.0362
	5/31/07	<238	<476	<0.0952	<0.0952	<0.0952	<0.00952	<0.00952	<0.00952	<0.00952	<0.0952	<0.00952	<0.00952	<0.0952	<0.0952	<0.00952	<0.0952	<0.0952	<0.0952	<0.0952	<0.0952	0.0172
MW-2	4/15/02	<130	<250	0.04	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.19	0.04	<0.02	<0.02	<0.02	0.02	0.11	0.1	0.0362
	5/25/07	<243	<485	<0.0971	<0.0971	<0.0971	<0.00971	<0.00971	<0.00971	<0.00971	<0.0971	<0.00971	<0.00971	<0.0971	<0.0971	<0.00971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	0.0176
MW-2D ^(e)	4/15/02	<130	<250	0.04	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.2	0.05	<0.02	<0.02	<0.02	0.02	0.12	0.1	0.0362

Notes:

- (a) Groundwater samples were analyzed for diesel-range and oil-range hydrocarbons by Northwest Method NWTPH-Dx. Laboratory reports are included in Appendix B.
- (b) µg/L = micrograms per liter - toxicity equivalence was calculated using the toxicity equivalency methodology defined in WA 173-340-708(8)(e).
- (c) Samples were analyzed for PAHs by EPA Method 8270.
- (d) "<" = Compound was not detected at or above the indicated reporting limit.
- (e) MW-2D is a duplicate sample of MW-2.

Concentrations detected above the method reporting limit are shown in bold.

Appendix A Photo Log

Upper Terrace Excavation Area



Photo 1. Clearing and grubbing prior to excavation



Photo 2. Clearing and grubbing prior to excavation

Appendix A

Photo Log



Photo 3. Excavated area in western portion of site.



Photo 4. Excavated area in far western portion of site.

Appendix A

Photo Log



Photo 5. Backfilling with crushed rock in western portion of site.



Photo 6. Excavated area in central portion of site.

Appendix A

Photo Log



Photo 7. Backfilling area in central portion of site with crushed rock.



Photo 8. Large excavated area in eastern portion of site.

Appendix A

Photo Log



Photo 9. Backfilling of large excavated area in eastern portion of site with native material.



Photo 10. Western to eastern view of site following backfill.

Appendix A

Photo Log

Ditch along railroad tracks



Photo 11. Stormwater drainage ditch along railroad tracks prior to excavation.



Photo 12. Excavation, geotextile emplacement, and backfilling of stormwater drainage ditch.

Appendix A

Photo Log



Photo 13. Stormwater drainage ditch after backfill completion

Appendix B

Laboratory Analytical Reports



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
425.420.9200 fax 425.420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

18 November 2005

Ross Dunning
Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001
RE: BNSF-Harborview Park

Enclosed are the results of analyses for samples received by the laboratory on 11/10/05 15:35. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kate Haney
Project Manager



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
11/18/05 15:44

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
J - 2 - 2.0	B5K0239-01	Soil	11/10/05 11:30	11/10/05 15:35
J - 3 - 4.0	B5K0239-02	Soil	11/10/05 11:35	11/10/05 15:35
I - 3 - 2.5	B5K0239-03	Soil	11/10/05 11:40	11/10/05 15:35
I - 4 - 3.0	B5K0239-04	Soil	11/10/05 14:50	11/10/05 15:35

North Creek Analytical - Bothell

Kate Haney, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

North Creek Analytical, Inc.
Environmental Laboratory Network

Page 1 of 17



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
11/18/05 15:44

Semivolatile Petroleum Products by NWTPH-Dx with Acid/Silica Gel Clean-up
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
J - 2 - 2.0 (B5K0239-01) Soil Sampled: 11/10/05 11:30 Received: 11/10/05 15:35									
Diesel Range Hydrocarbons	ND	10.1	mg/kg dry	1	5K11043	11/11/05	11/14/05	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	25.3	"	"	"	"	"	"	
Surrogate: 2-FBP	88.3 %	50-150			"	"	"	"	
Surrogate: Octacosane	96.3 %	50-150			"	"	"	"	
J - 3 - 4.0 (B5K0239-02) Soil Sampled: 11/10/05 11:35 Received: 11/10/05 15:35									
Diesel Range Hydrocarbons	ND	10.5	mg/kg dry	1	5K11043	11/11/05	11/14/05	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	26.3	"	"	"	"	"	"	
Surrogate: 2-FBP	89.5 %	50-150			"	"	"	"	
Surrogate: Octacosane	96.5 %	50-150			"	"	"	"	
I - 3 - 2.5 (B5K0239-03RE1) Soil Sampled: 11/10/05 11:40 Received: 11/10/05 15:35									
Diesel Range Hydrocarbons	ND	10.4	mg/kg dry	1	5K14074	11/14/05	11/15/05	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	26.1	"	"	"	"	"	"	
Surrogate: 2-FBP	76.8 %	50-150			"	"	"	"	
Surrogate: Octacosane	103 %	50-150			"	"	"	"	
I - 4 - 3.0 (B5K0239-04) Soil Sampled: 11/10/05 14:50 Received: 11/10/05 15:35									
Diesel Range Hydrocarbons	ND	10.5	mg/kg dry	1	5K11043	11/11/05	11/14/05	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	26.2	"	"	"	"	"	"	
Surrogate: 2-FBP	88.4 %	50-150			"	"	"	"	
Surrogate: Octacosane	97.2 %	50-150			"	"	"	"	

North Creek Analytical - Bothell

Kate Haney, Project Manager

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Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
 509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
 32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
 Project Number: 0496017.01
 Project Manager: Ross Dunning

Reported:
 11/18/05 15:44

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
J - 2 - 2.0 (B5K0239-01) Soil Sampled: 11/10/05 11:30 Received: 11/10/05 15:35									
Acenaphthene	ND	0.0102	mg/kg dry	1	5K11041	11/11/05	11/14/05	EPA 8270-SIM	
Acenaphthylene	ND	0.0102	"	"	"	"	"	"	
Anthracene	ND	0.0102	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.0102	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0102	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0102	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0102	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	0.0102	"	"	"	"	"	"	
Chrysene	ND	0.0102	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.0102	"	"	"	"	"	"	
Fluoranthene	ND	0.0102	"	"	"	"	"	"	
Fluorene	ND	0.0102	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0102	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.0102	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.0102	"	"	"	"	"	"	
Naphthalene	ND	0.0102	"	"	"	"	"	"	
Phenanthrene	ND	0.0102	"	"	"	"	"	"	
Pyrene	ND	0.0102	"	"	"	"	"	"	
Surrogate: p-Terphenyl-d14	105 %	50-147			"	"	"	"	

J - 3 - 4.0 (B5K0239-02RE1) Soil Sampled: 11/10/05 11:35 Received: 11/10/05 15:35

Acenaphthene	ND	0.0106	mg/kg dry	1	5K14054	11/14/05	11/16/05	EPA 8270-SIM	
Acenaphthylene	ND	0.0106	"	"	"	"	"	"	
Anthracene	ND	0.0106	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.0106	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0106	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0106	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0106	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	0.0106	"	"	"	"	"	"	
Chrysene	ND	0.0106	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.0106	"	"	"	"	"	"	
Fluoranthene	ND	0.0106	"	"	"	"	"	"	
Fluorene	ND	0.0106	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0106	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.0106	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.0106	"	"	"	"	"	"	
Naphthalene	ND	0.0106	"	"	"	"	"	"	
Phenanthrene	ND	0.0106	"	"	"	"	"	"	

North Creek Analytical - Bothell

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Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
11/18/05 15:44

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

J - 3 - 4.0 (B5K0239-02RE1) Soil Sampled: 11/10/05 11:35 Received: 11/10/05 15:35

Pyrene	ND	0.0106	mg/kg dry	1	5K14054	11/14/05	11/16/05	EPA 8270-SIM	
Surrogate: p-Terphenyl-d14	76.1 %	50-147			"	"	"	"	

I - 3 - 2.5 (B5K0239-03) Soil Sampled: 11/10/05 11:40 Received: 11/10/05 15:35

Acenaphthene	ND	0.0106	mg/kg dry	1	5K11041	11/11/05	11/14/05	EPA 8270-SIM	
Acenaphthylene	ND	0.0106	"	"	"	"	"	"	
Anthracene	ND	0.0106	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.0106	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0106	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0106	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0106	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	0.0106	"	"	"	"	"	"	
Chrysene	ND	0.0106	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.0106	"	"	"	"	"	"	
Fluoranthene	ND	0.0106	"	"	"	"	"	"	
Fluorene	ND	0.0106	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0106	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.0106	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.0106	"	"	"	"	"	"	
Naphthalene	ND	0.0106	"	"	"	"	"	"	
Phenanthrene	ND	0.0106	"	"	"	"	"	"	
Pyrene	ND	0.0106	"	"	"	"	"	"	
Surrogate: p-Terphenyl-d14	104 %	50-147			"	"	"	"	

I - 4 - 3.0 (B5K0239-04) Soil Sampled: 11/10/05 14:50 Received: 11/10/05 15:35

Acenaphthene	ND	0.0103	mg/kg dry	1	5K11041	11/11/05	11/14/05	EPA 8270-SIM	
Acenaphthylene	ND	0.0103	"	"	"	"	"	"	
Anthracene	ND	0.0103	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.0103	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0103	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0103	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0103	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	0.0103	"	"	"	"	"	"	
Chrysene	ND	0.0103	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.0103	"	"	"	"	"	"	
Fluoranthene	ND	0.0103	"	"	"	"	"	"	
Fluorene	ND	0.0103	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0103	"	"	"	"	"	"	

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Kate Haney, Project Manager

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425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
11/18/05 15:44

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
I - 4 - 3.0 (B5K0239-04) Soil Sampled: 11/10/05 14:50 Received: 11/10/05 15:35									
1-Methylnaphthalene	ND	0.0103	mg/kg dry	1	5K11041	11/11/05	11/14/05	EPA 8270-SIM	
2-Methylnaphthalene	ND	0.0103	"	"	"	"	"	"	
Naphthalene	ND	0.0103	"	"	"	"	"	"	
Phenanthrene	ND	0.0103	"	"	"	"	"	"	
Pyrene	ND	0.0103	"	"	"	"	"	"	
Surrogate: p-Terphenyl-d14	112 %	50-147			"	"	"	"	

North Creek Analytical - Bothell

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509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
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Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
11/18/05 15:44

Physical Parameters by APHA/ASTM/EPA Methods
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
J - 2 - 2.0 (B5K0239-01) Soil Sampled: 11/10/05 11:30 Received: 11/10/05 15:35									
Dry Weight	98.8	1.00	%	1	5K11036	11/11/05	11/14/05	BSOPSPL003R08	
J - 3 - 4.0 (B5K0239-02) Soil Sampled: 11/10/05 11:35 Received: 11/10/05 15:35									
Dry Weight	94.7	1.00	%	1	5K11036	11/11/05	11/14/05	BSOPSPL003R08	
I - 3 - 2.5 (B5K0239-03) Soil Sampled: 11/10/05 11:40 Received: 11/10/05 15:35									
Dry Weight	95.7	1.00	%	1	5K11036	11/11/05	11/14/05	BSOPSPL003R08	
I - 4 - 3.0 (B5K0239-04) Soil Sampled: 11/10/05 14:50 Received: 11/10/05 15:35									
Dry Weight	95.9	1.00	%	1	5K11036	11/11/05	11/14/05	BSOPSPL003R08	

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Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
 509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
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Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
 32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
 Project Number: 0496017.01
 Project Manager: Ross Dunning

Reported:
 11/18/05 15:44

Semivolatile Petroleum Products by NWTPH-Dx with Acid/Silica Gel Clean-up - Quality Control

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch 5K11043: Prepared 11/11/05 Using EPA 3550B

Blank (5K11043-BLK1)

Diesel Range Hydrocarbons	ND	10.0	mg/kg							
Lube Oil Range Hydrocarbons	ND	25.0	"							
Surrogate: 2-FBP	7.53		"	8.33		90.4	50-150			
Surrogate: Octacosane	8.19		"	8.33		98.3	50-150			

LCS (5K11043-BS1)

Diesel Range Hydrocarbons	64.1	10.0	mg/kg	66.7		96.1	61-120			
Surrogate: 2-FBP	7.69		"	8.33		92.3	50-150			

LCS Dup (5K11043-BSD1)

Diesel Range Hydrocarbons	67.4	10.0	mg/kg	66.7		101	61-120	5.02	40	
Surrogate: 2-FBP	8.05		"	8.33		96.6	50-150			

Duplicate (5K11043-DUP1)

Source: B5K0239-01

Diesel Range Hydrocarbons	ND	10.2	mg/kg dry		ND			NA	50	
Lube Oil Range Hydrocarbons	ND	25.5	"		ND			NA	50	
Surrogate: 2-FBP	7.73		"	8.49		91.0	50-150			
Surrogate: Octacosane	8.41		"	8.49		99.1	50-150			

Batch 5K14074: Prepared 11/14/05 Using EPA 3550B

Blank (5K14074-BLK1)

Diesel Range Hydrocarbons	ND	10.0	mg/kg							
Lube Oil Range Hydrocarbons	ND	25.0	"							
Surrogate: 2-FBP	7.85		"	8.33		94.2	50-150			
Surrogate: Octacosane	9.19		"	8.33		110	50-150			

North Creek Analytical - Bothell

Kate Haney

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425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
11/18/05 15:44

Semivolatile Petroleum Products by NWTPH-Dx with Acid/Silica Gel Clean-up - Quality Control
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch 5K14074: Prepared 11/14/05 Using EPA 3550B

LCS (5K14074-BS1)

Diesel Range Hydrocarbons	69.3	10.0	mg/kg	66.7		104	61-120			
Surrogate: 2-FBP	8.88		"	8.33		107	50-150			

LCS Dup (5K14074-BSD1)

Diesel Range Hydrocarbons	69.1	10.0	mg/kg	66.7		104	61-120	0.289	40	
Surrogate: 2-FBP	8.96		"	8.33		108	50-150			

Duplicate (5K14074-DUP1)

Source: B5K0309-01

Diesel Range Hydrocarbons	2.36	11.1	mg/kg dry		2.25			4.77	50	
Lube Oil Range Hydrocarbons	ND	27.7	"		ND			NA	50	
Surrogate: 2-FBP	8.03		"	9.24		86.9	50-150			
Surrogate: Octacosane	9.66		"	9.24		105	50-150			

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 509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
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 32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
 Project Number: 0496017.01
 Project Manager: Ross Dunning

Reported:
 11/18/05 15:44

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM - Quality Control
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch 5K11041: Prepared 11/11/05 Using EPA 3550B

Blank (5K11041-BLK1)

Acenaphthene	ND	0.0100	mg/kg							
Acenaphthylene	ND	0.0100	"							
Anthracene	ND	0.0100	"							
Benzo (a) anthracene	ND	0.0100	"							
Benzo (a) pyrene	ND	0.0100	"							
Benzo (b) fluoranthene	ND	0.0100	"							
Benzo (k) fluoranthene	ND	0.0100	"							
Benzo (b & k) fluoranthene	ND	0.0200	"							
Benzo (ghi) perylene	ND	0.0100	"							
Chrysene	ND	0.0100	"							
Dibenz (a,h) anthracene	ND	0.0100	"							
Fluoranthene	ND	0.0100	"							
Fluorene	ND	0.0100	"							
Indeno (1,2,3-cd) pyrene	ND	0.0100	"							
1-Methylnaphthalene	ND	0.0100	"							
2-Methylnaphthalene	ND	0.0100	"							
Naphthalene	ND	0.0100	"							
Phenanthrene	ND	0.0100	"							
Pyrene	ND	0.0100	"							
Surrogate: p-Terphenyl-d14	1.84		"	1.67		110	50-147			

LCS (5K11041-BS1)

Acenaphthene	0.644	0.0100	mg/kg	0.667		96.6	70-125			
Acenaphthylene	0.620	0.0100	"	0.667		93.0	70-133			
Anthracene	0.708	0.0100	"	0.667		106	70-152			
Benzo (a) anthracene	0.631	0.0100	"	0.667		94.6	60-125			
Benzo (a) pyrene	0.672	0.0100	"	0.667		101	64-134			
Benzo (b) fluoranthene	0.839	0.0100	"	0.667		126	62-147			
Benzo (k) fluoranthene	0.672	0.0100	"	0.667		101	60-144			
Benzo (ghi) perylene	0.486	0.0100	"	0.667		72.9	57-137			
Chrysene	0.730	0.0100	"	0.667		109	70-139			
Dibenz (a,h) anthracene	0.475	0.0100	"	0.667		71.2	56-140			
Fluoranthene	0.658	0.0100	"	0.667		98.7	70-141			
Fluorene	0.661	0.0100	"	0.667		99.1	76-132			
Indeno (1,2,3-cd) pyrene	0.477	0.0100	"	0.667		71.5	55-138			

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Kate Haney

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425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
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Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
11/18/05 15:44

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM - Quality Control
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes

Batch 5K11041: Prepared 11/11/05 Using EPA 3550B

LCS (5K11041-BS1)

1-Methylnaphthalene	0.685	0.0100	mg/kg	0.667		103	46-128		
2-Methylnaphthalene	0.631	0.0100	"	0.667		94.6	41-125		
Naphthalene	0.614	0.0100	"	0.667		92.1	43-125		
Phenanthrene	0.668	0.0100	"	0.667		100	73-125		
Pyrene	0.761	0.0100	"	0.667		114	68-140		
Surrogate: p-Terphenyl-d14	1.78		"	1.67		107	50-147		

LCS Dup (5K11041-BS1)

Acenaphthene	0.653	0.0100	mg/kg	0.667		97.9	70-125	1.39	40
Acenaphthylene	0.636	0.0100	"	0.667		95.4	70-133	2.55	40
Anthracene	0.714	0.0100	"	0.667		107	70-152	0.844	40
Benzo (a) anthracene	0.632	0.0100	"	0.667		94.8	60-125	0.158	40
Benzo (a) pyrene	0.689	0.0100	"	0.667		103	64-134	2.50	26
Benzo (b) fluoranthene	0.892	0.0100	"	0.667		134	62-147	6.12	40
Benzo (k) fluoranthene	0.677	0.0100	"	0.667		101	60-144	0.741	40
Benzo (ghi) perylene	0.488	0.0100	"	0.667		73.2	57-137	0.411	40
Chrysene	0.749	0.0100	"	0.667		112	70-139	2.57	24
Dibenz (a,h) anthracene	0.473	0.0100	"	0.667		70.9	56-140	0.422	40
Fluoranthene	0.680	0.0100	"	0.667		102	70-141	3.29	40
Fluorene	0.648	0.0100	"	0.667		97.2	76-132	1.99	43
Indeno (1,2,3-cd) pyrene	0.478	0.0100	"	0.667		71.7	55-138	0.209	39
1-Methylnaphthalene	0.708	0.0100	"	0.667		106	46-128	3.30	40
2-Methylnaphthalene	0.649	0.0100	"	0.667		97.3	41-125	2.81	40
Naphthalene	0.642	0.0100	"	0.667		96.3	43-125	4.46	40
Phenanthrene	0.669	0.0100	"	0.667		100	73-125	0.150	40
Pyrene	0.758	0.0100	"	0.667		114	68-140	0.395	40
Surrogate: p-Terphenyl-d14	1.77		"	1.67		106	50-147		

North Creek Analytical - Bothell

Kate Haney, Project Manager

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 509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 503.906.9200 fax 503.906.9210
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 907.563.9200 fax 907.563.9210

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 32001 32nd Ave S Ste 100
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North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch 5K11041: Prepared 11/11/05 Using EPA 3550B

Matrix Spike (5K11041-MS1)

Source: B5K0239-01

Acenaphthene	0.642	0.0101	mg/kg dry	0.670	ND	95.8	67-132			
Acenaphthylene	0.623	0.0101	"	0.670	ND	93.0	65-142			
Anthracene	0.755	0.0101	"	0.670	0.00582	112	66-158			
Benzo (a) anthracene	0.673	0.0101	"	0.670	ND	100	41-156			
Benzo (a) pyrene	0.722	0.0101	"	0.670	ND	108	52-148			
Benzo (b) fluoranthene	0.815	0.0101	"	0.670	ND	122	53-151			
Benzo (k) fluoranthene	0.867	0.0101	"	0.670	ND	129	46-161			
Benzo (ghi) perylene	0.516	0.0101	"	0.670	ND	77.0	26-154			
Chrysene	0.785	0.0101	"	0.670	ND	117	55-155			
Dibenz (a,h) anthracene	0.479	0.0101	"	0.670	ND	71.5	27-157			
Fluoranthene	0.726	0.0101	"	0.670	0.00515	108	46-172			
Fluorene	0.678	0.0101	"	0.670	ND	101	66-143			
Indeno (1,2,3-cd) pyrene	0.490	0.0101	"	0.670	ND	73.1	24-159			
1-Methylnaphthalene	0.692	0.0101	"	0.670	ND	103	39-140			
2-Methylnaphthalene	0.637	0.0101	"	0.670	ND	95.1	32-139			
Naphthalene	0.613	0.0101	"	0.670	0.00129	91.3	38-134			
Phenanthrene	0.715	0.0101	"	0.670	0.00169	106	63-139			
Pyrene	0.814	0.0101	"	0.670	ND	121	51-172			
Surrogate: p-Terphenyl-d14	1.89		"	1.68		112	50-147			

Matrix Spike Dup (5K11041-MSD1)

Source: B5K0239-01

Acenaphthene	0.605	0.0102	mg/kg dry	0.682	ND	88.7	67-132	5.93	50	
Acenaphthylene	0.590	0.0102	"	0.682	ND	86.5	65-142	5.44	50	
Anthracene	0.707	0.0102	"	0.682	0.00582	103	66-158	6.57	50	
Benzo (a) anthracene	0.629	0.0102	"	0.682	ND	92.2	41-156	6.76	50	
Benzo (a) pyrene	0.669	0.0102	"	0.682	ND	98.1	52-148	7.62	50	
Benzo (b) fluoranthene	0.746	0.0102	"	0.682	ND	109	53-151	8.84	50	
Benzo (k) fluoranthene	0.795	0.0102	"	0.682	ND	117	46-161	8.66	50	
Benzo (ghi) perylene	0.488	0.0102	"	0.682	ND	71.6	26-154	5.58	50	
Chrysene	0.734	0.0102	"	0.682	ND	108	55-155	6.71	44	
Dibenz (a,h) anthracene	0.461	0.0102	"	0.682	ND	67.6	27-157	3.83	50	
Fluoranthene	0.669	0.0102	"	0.682	0.00515	97.3	46-172	8.17	50	
Fluorene	0.637	0.0102	"	0.682	ND	93.4	66-143	6.24	52	
Indeno (1,2,3-cd) pyrene	0.467	0.0102	"	0.682	ND	68.5	24-159	4.81	43	
1-Methylnaphthalene	0.632	0.0102	"	0.682	ND	92.7	39-140	9.06	50	

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425.420.9200 fax 425.420.9210
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509.924.9200 fax 509.924.9290
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Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

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North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch 5K11041: Prepared 11/11/05 Using EPA 3550B

Matrix Spike Dup (5K11041-MSD1)

Source: B5K0239-01

2-Methylnaphthalene	0.581	0.0102	mg/kg dry	0.682	ND	85.2	32-139	9.20	50	
Naphthalene	0.555	0.0102	"	0.682	0.00129	81.2	38-134	9.93	50	
Phenanthrene	0.665	0.0102	"	0.682	0.00169	97.3	63-139	7.25	50	
Pyrene	0.749	0.0102	"	0.682	ND	110	51-172	8.32	50	
Surrogate: p-Terphenyl-d14	1.75		"	1.70		103	50-147			

Batch 5K14054: Prepared 11/14/05 Using EPA 3550B

Blank (5K14054-BLK1)

Acenaphthene	ND	0.0100	mg/kg							
Acenaphthylene	ND	0.0100	"							
Anthracene	ND	0.0100	"							
Benzo (a) anthracene	ND	0.0100	"							
Benzo (a) pyrene	ND	0.0100	"							
Benzo (b) fluoranthene	ND	0.0100	"							
Benzo (k) fluoranthene	ND	0.0100	"							
Benzo (b & k) fluoranthene	ND	0.0200	"							
Benzo (ghi) perylene	ND	0.0100	"							
Chrysene	ND	0.0100	"							
Dibenz (a,h) anthracene	ND	0.0100	"							
Fluoranthene	ND	0.0100	"							
Fluorene	ND	0.0100	"							
Indeno (1,2,3-cd) pyrene	ND	0.0100	"							
1-Methylnaphthalene	ND	0.0100	"							
2-Methylnaphthalene	ND	0.0100	"							
Naphthalene	ND	0.0100	"							
Phenanthrene	ND	0.0100	"							
Pyrene	ND	0.0100	"							
Surrogate: p-Terphenyl-d14	1.84		"	1.67		110	50-147			

North Creek Analytical - Bothell

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 509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
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Project: BNSF-Harborview Park
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Polynuclear Aromatic Hydrocarbons by GC/MS-SIM - Quality Control North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch 5K14054: Prepared 11/14/05 Using EPA 3550B

LCS (5K14054-BS1)

Acenaphthene	0.783	0.0100	mg/kg	0.667		117	70-125			
Acenaphthylene	0.847	0.0100	"	0.667		127	70-133			
Anthracene	0.870	0.0100	"	0.667		130	70-152			
Benzo (a) anthracene	0.722	0.0100	"	0.667		108	60-125			
Benzo (a) pyrene	0.799	0.0100	"	0.667		120	64-134			
Benzo (b) fluoranthene	0.773	0.0100	"	0.667		116	62-147			
Benzo (k) fluoranthene	0.880	0.0100	"	0.667		132	60-144			
Benzo (ghi) perylene	0.781	0.0100	"	0.667		117	57-137			
Chrysene	0.771	0.0100	"	0.667		116	70-139			
Dibenz (a,h) anthracene	0.841	0.0100	"	0.667		126	56-140			
Fluoranthene	0.754	0.0100	"	0.667		113	70-141			
Fluorene	0.793	0.0100	"	0.667		119	76-132			
Indeno (1,2,3-cd) pyrene	0.818	0.0100	"	0.667		123	55-138			
1-Methylnaphthalene	0.743	0.0100	"	0.667		111	46-128			
2-Methylnaphthalene	0.719	0.0100	"	0.667		108	41-125			
Naphthalene	0.749	0.0100	"	0.667		112	43-125			
Phenanthrene	0.716	0.0100	"	0.667		107	73-125			
Pyrene	0.729	0.0100	"	0.667		109	68-140			
Surrogate: p-Terphenyl-d14	1.69		"	1.67		101	50-147			

LCS Dup (5K14054-BSD1)

Acenaphthene	0.720	0.0100	mg/kg	0.667		108	70-125	8.38	40	
Acenaphthylene	0.779	0.0100	"	0.667		117	70-133	8.36	40	
Anthracene	0.802	0.0100	"	0.667		120	70-152	8.13	40	
Benzo (a) anthracene	0.673	0.0100	"	0.667		101	60-125	7.03	40	
Benzo (a) pyrene	0.741	0.0100	"	0.667		111	64-134	7.53	26	
Benzo (b) fluoranthene	0.757	0.0100	"	0.667		113	62-147	2.09	40	
Benzo (k) fluoranthene	0.759	0.0100	"	0.667		114	60-144	14.8	40	
Benzo (ghi) perylene	0.725	0.0100	"	0.667		109	57-137	7.44	40	
Chrysene	0.716	0.0100	"	0.667		107	70-139	7.40	24	
Dibenz (a,h) anthracene	0.784	0.0100	"	0.667		118	56-140	7.02	40	
Fluoranthene	0.700	0.0100	"	0.667		105	70-141	7.43	40	
Fluorene	0.733	0.0100	"	0.667		110	76-132	7.86	43	
Indeno (1,2,3-cd) pyrene	0.763	0.0100	"	0.667		114	55-138	6.96	39	
1-Methylnaphthalene	0.677	0.0100	"	0.667		101	46-128	9.30	40	

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 509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 503.906.9200 fax 503.906.9210
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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch 5K14054: Prepared 11/14/05 Using EPA 3550B

LCS Dup (5K14054-BSD1)

2-Methylnaphthalene	0.649	0.0100	mg/kg	0.667		97.3	41-125	10.2	40	
Naphthalene	0.687	0.0100	"	0.667		103	43-125	8.64	40	
Phenanthrene	0.659	0.0100	"	0.667		98.8	73-125	8.29	40	
Pyrene	0.668	0.0100	"	0.667		100	68-140	8.73	40	
Surrogate: p-Terphenyl-d14	1.55		"	1.67		92.8	50-147			

Matrix Spike (5K14054-MS1)

Source: B5K0239-02RE1

Acenaphthene	0.601	0.0106	mg/kg dry	0.704	ND	85.4	67-132			
Acenaphthylene	0.633	0.0106	"	0.704	ND	89.9	65-142			
Anthracene	0.695	0.0106	"	0.704	ND	98.7	66-158			
Benzo (a) anthracene	0.575	0.0106	"	0.704	ND	81.7	41-156			
Benzo (a) pyrene	0.618	0.0106	"	0.704	ND	87.8	52-148			
Benzo (b) fluoranthene	0.612	0.0106	"	0.704	ND	86.9	53-151			
Benzo (k) fluoranthene	0.695	0.0106	"	0.704	ND	98.7	46-161			
Benzo (ghi) perylene	0.624	0.0106	"	0.704	0.00106	88.5	26-154			
Chrysene	0.611	0.0106	"	0.704	0.000986	86.6	55-155			
Dibenz (a,h) anthracene	0.670	0.0106	"	0.704	0.000845	95.1	27-157			
Fluoranthene	0.627	0.0106	"	0.704	0.00134	88.9	46-172			
Fluorene	0.652	0.0106	"	0.704	0.000774	92.5	66-143			
Indeno (1,2,3-cd) pyrene	0.655	0.0106	"	0.704	0.000845	92.9	24-159			
1-Methylnaphthalene	0.531	0.0106	"	0.704	ND	75.4	39-140			
2-Methylnaphthalene	0.504	0.0106	"	0.704	0.000422	71.5	32-139			
Naphthalene	0.511	0.0106	"	0.704	ND	72.6	38-134			
Phenanthrene	0.577	0.0106	"	0.704	0.00169	81.7	63-139			
Pyrene	0.574	0.0106	"	0.704	0.00113	81.4	51-172			
Surrogate: p-Terphenyl-d14	1.31		"	1.76		74.4	50-147			

Matrix Spike Dup (5K14054-MSD1)

Source: B5K0239-02RE1

Acenaphthene	0.606	0.0106	mg/kg dry	0.704	ND	86.1	67-132	0.828	50	
Acenaphthylene	0.652	0.0106	"	0.704	ND	92.6	65-142	2.96	50	
Anthracene	0.684	0.0106	"	0.704	ND	97.2	66-158	1.60	50	
Benzo (a) anthracene	0.566	0.0106	"	0.704	ND	80.4	41-156	1.58	50	
Benzo (a) pyrene	0.612	0.0106	"	0.704	ND	86.9	52-148	0.976	50	
Benzo (b) fluoranthene	0.685	0.0106	"	0.704	ND	97.3	53-151	11.3	50	
Benzo (k) fluoranthene	0.601	0.0106	"	0.704	ND	85.4	46-161	14.5	50	

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425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch 5K14054: Prepared 11/14/05 Using EPA 3550B

Matrix Spike Dup (5K14054-MSD1)

Source: B5K0239-02RE1

Benzo (ghi) perylene	0.614	0.0106	mg/kg dry	0.704	0.00106	87.1	26-154	1.62	50	
Chrysene	0.610	0.0106	"	0.704	0.000986	86.5	55-155	0.164	44	
Dibenz (a,h) anthracene	0.654	0.0106	"	0.704	0.000845	92.8	27-157	2.42	50	
Fluoranthene	0.616	0.0106	"	0.704	0.00134	87.3	46-172	1.77	50	
Fluorene	0.652	0.0106	"	0.704	0.000774	92.5	66-143	0.00	52	
Indeno (1,2,3-cd) pyrene	0.642	0.0106	"	0.704	0.000845	91.1	24-159	2.00	43	
1-Methylnaphthalene	0.567	0.0106	"	0.704	ND	80.5	39-140	6.56	50	
2-Methylnaphthalene	0.545	0.0106	"	0.704	0.000422	77.4	32-139	7.82	50	
Naphthalene	0.544	0.0106	"	0.704	ND	77.3	38-134	6.26	50	
Phenanthrene	0.570	0.0106	"	0.704	0.00169	80.7	63-139	1.22	50	
Pyrene	0.566	0.0106	"	0.704	0.00113	80.2	51-172	1.40	50	
Surrogate: p-Terphenyl-d14	1.28		"	1.76		72.7	50-147			

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Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
11/18/05 15:44

Physical Parameters by APHA/ASTM/EPA Methods - Quality Control
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch 5K11036: Prepared 11/11/05 Using Dry Weight

Blank (5K11036-BLK1)

Dry Weight	100	1.00	%							

North Creek Analytical - Bothell

Kate Haney, Project Manager

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509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

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Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
11/18/05 15:44

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference

North Creek Analytical - Bothell

Kate Haney, Project Manager

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425.420.9200 fax 425.420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

21 November 2005

Ross Dunning
Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001
RE: BNSF-Harborview Park

Enclosed are the results of analyses for samples received by the laboratory on 11/17/05 17:45. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kate Haney
Project Manager



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
11/21/05 16:53

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B-2-2.0	B5K0366-01	Soil	11/16/05 15:15	11/17/05 17:45
B-1-1.0	B5K0366-02	Soil	11/16/05 15:18	11/17/05 17:45
C-3-2.0	B5K0366-03	Soil	11/16/05 15:22	11/17/05 17:45
C-2-2.0	B5K0366-04	Soil	11/16/05 15:26	11/17/05 17:45
TP-7-6.0	B5K0366-05	Soil	11/17/05 09:00	11/17/05 17:45

North Creek Analytical - Bothell

Kate Haney, Project Manager

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509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
11/21/05 16:53

Semivolatile Petroleum Products by NWTPH-Dx with Acid/Silica Gel Clean-up
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-2-2.0 (B5K0366-01) Soil Sampled: 11/16/05 15:15 Received: 11/17/05 17:45									
Diesel Range Hydrocarbons	ND	12.4	mg/kg dry	1	5K18044	11/18/05	11/18/05	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	30.9	"	"	"	"	"	"	
Surrogate: 2-FBP	96.1 %	50-150			"	"	"	"	
Surrogate: Octacosane	95.2 %	50-150			"	"	"	"	
B-1-1.0 (B5K0366-02) Soil Sampled: 11/16/05 15:18 Received: 11/17/05 17:45									
Diesel Range Hydrocarbons	47.3	15.4	mg/kg dry	1	5K18044	11/18/05	11/18/05	NWTPH-Dx	D-09
Lube Oil Range Hydrocarbons	181	38.4	"	"	"	"	"	"	
Surrogate: 2-FBP	85.9 %	50-150			"	"	"	"	
Surrogate: Octacosane	120 %	50-150			"	"	"	"	
C-3-2.0 (B5K0366-03) Soil Sampled: 11/16/05 15:22 Received: 11/17/05 17:45									
Diesel Range Hydrocarbons	ND	12.4	mg/kg dry	1	5K18044	11/18/05	11/18/05	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	30.9	"	"	"	"	"	"	
Surrogate: 2-FBP	90.6 %	50-150			"	"	"	"	
Surrogate: Octacosane	92.6 %	50-150			"	"	"	"	
C-2-2.0 (B5K0366-04) Soil Sampled: 11/16/05 15:26 Received: 11/17/05 17:45									
Diesel Range Hydrocarbons	27.1	12.4	mg/kg dry	1	5K18044	11/18/05	11/18/05	NWTPH-Dx	D-06
Lube Oil Range Hydrocarbons	ND	30.9	"	"	"	"	"	"	
Surrogate: 2-FBP	95.9 %	50-150			"	"	"	"	
Surrogate: Octacosane	101 %	50-150			"	"	"	"	
TP-7-6.0 (B5K0366-05) Soil Sampled: 11/17/05 09:00 Received: 11/17/05 17:45									
Diesel Range Hydrocarbons	ND	10.7	mg/kg dry	1	5K18044	11/18/05	11/18/05	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	26.8	"	"	"	"	"	"	
Surrogate: 2-FBP	92.8 %	50-150			"	"	"	"	
Surrogate: Octacosane	97.8 %	50-150			"	"	"	"	

North Creek Analytical - Bothell

Kate Haney, Project Manager

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 509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
 32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
 Project Number: 0496017.01
 Project Manager: Ross Dunning

Reported:
 11/21/05 16:53

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-2-2.0 (B5K0366-01) Soil Sampled: 11/16/05 15:15 Received: 11/17/05 17:45									
Acenaphthene	ND	0.0122	mg/kg dry	1	5K18046	11/18/05	11/21/05	EPA 8270-SIM	
Acenaphthylene	ND	0.0122	"	"	"	"	"	"	
Anthracene	0.0938	0.0122	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.0122	"	"	"	"	"	"	
Benzo (a) pyrene	0.0307	0.0122	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0122	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0122	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	0.0122	"	"	"	"	"	"	
Chrysene	ND	0.0122	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.0122	"	"	"	"	"	"	
Fluoranthene	ND	0.0122	"	"	"	"	"	"	
Fluorene	0.0153	0.0122	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0122	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.0122	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.0122	"	"	"	"	"	"	
Naphthalene	0.0169	0.0122	"	"	"	"	"	"	
Phenanthrene	0.0233	0.0122	"	"	"	"	"	"	
Pyrene	ND	0.0122	"	"	"	"	"	"	
Surrogate: p-Terphenyl-d14	70.0 %	50-147			"	"	"	"	

B-1-1.0 (B5K0366-02) Soil Sampled: 11/16/05 15:18 Received: 11/17/05 17:45

Acenaphthene	ND	0.0154	mg/kg dry	1	5K18046	11/18/05	11/21/05	EPA 8270-SIM	
Acenaphthylene	ND	0.0154	"	"	"	"	"	"	
Anthracene	0.0320	0.0154	"	"	"	"	"	"	
Benzo (a) anthracene	0.0659	0.0154	"	"	"	"	"	"	
Benzo (a) pyrene	0.0671	0.0154	"	"	"	"	"	"	
Benzo (b) fluoranthene	0.0564	0.0154	"	"	"	"	"	"	
Benzo (k) fluoranthene	0.0591	0.0154	"	"	"	"	"	"	
Benzo (ghi) perylene	0.0310	0.0154	"	"	"	"	"	"	
Chrysene	0.0804	0.0154	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.0154	"	"	"	"	"	"	
Fluoranthene	0.156	0.0154	"	"	"	"	"	"	
Fluorene	ND	0.0154	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.0265	0.0154	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.0154	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.0154	"	"	"	"	"	"	
Naphthalene	0.0154	0.0154	"	"	"	"	"	"	
Phenanthrene	0.0772	0.0154	"	"	"	"	"	"	

North Creek Analytical - Bothell

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Kate Haney, Project Manager

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 425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
 509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
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 907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
 32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
 Project Number: 0496017.01
 Project Manager: Ross Dunning

Reported:
 11/21/05 16:53

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-1-1.0 (B5K0366-02) Soil Sampled: 11/16/05 15:18 Received: 11/17/05 17:45									
Pyrene	0.147	0.0154	mg/kg dry	1	5K18046	11/18/05	11/21/05	EPA 8270-SIM	
Surrogate: p-Terphenyl-d14	95.7 %	50-147			"	"	"	"	
C-3-2.0 (B5K0366-03) Soil Sampled: 11/16/05 15:22 Received: 11/17/05 17:45									
Acenaphthene	ND	0.0124	mg/kg dry	1	5K18046	11/18/05	11/21/05	EPA 8270-SIM	
Acenaphthylene	ND	0.0124	"	"	"	"	"	"	
Anthracene	ND	0.0124	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.0124	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0124	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0124	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0124	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	0.0124	"	"	"	"	"	"	
Chrysene	ND	0.0124	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.0124	"	"	"	"	"	"	
Fluoranthene	ND	0.0124	"	"	"	"	"	"	
Fluorene	ND	0.0124	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0124	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.0124	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.0124	"	"	"	"	"	"	
Naphthalene	ND	0.0124	"	"	"	"	"	"	
Phenanthrene	ND	0.0124	"	"	"	"	"	"	
Pyrene	ND	0.0124	"	"	"	"	"	"	
Surrogate: p-Terphenyl-d14	88.4 %	50-147			"	"	"	"	
C-2-2.0 (B5K0366-04) Soil Sampled: 11/16/05 15:26 Received: 11/17/05 17:45									
Acenaphthene	ND	0.0124	mg/kg dry	1	5K18046	11/18/05	11/21/05	EPA 8270-SIM	
Acenaphthylene	ND	0.0124	"	"	"	"	"	"	
Anthracene	ND	0.0124	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.0124	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0124	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0124	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0124	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	0.0124	"	"	"	"	"	"	
Chrysene	ND	0.0124	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.0124	"	"	"	"	"	"	
Fluoranthene	ND	0.0124	"	"	"	"	"	"	
Fluorene	ND	0.0124	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0124	"	"	"	"	"	"	

North Creek Analytical - Bothell

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Kate Haney, Project Manager

North Creek Analytical, Inc.
 Environmental Laboratory Network



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 425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
 509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
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Kennedy/Jenks Consultants
 32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
 Project Number: 0496017.01
 Project Manager: Ross Dunning

Reported:
 11/21/05 16:53

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-2-2.0 (B5K0366-04) Soil Sampled: 11/16/05 15:26 Received: 11/17/05 17:45									
1-Methylnaphthalene	0.0252	0.0124	mg/kg dry	1	5K18046	11/18/05	11/21/05	EPA 8270-SIM	
2-Methylnaphthalene	ND	0.0124	"	"	"	"	"	"	
Naphthalene	0.0165	0.0124	"	"	"	"	"	"	
Phenanthrene	ND	0.0124	"	"	"	"	"	"	
Pyrene	ND	0.0124	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl-d14	88.3 %	50-147			"	"	"	"	
TP-7-6.0 (B5K0366-05) Soil Sampled: 11/17/05 09:00 Received: 11/17/05 17:45									
Acenaphthene	0.0136	0.0105	mg/kg dry	1	5K18046	11/18/05	11/21/05	EPA 8270-SIM	
Acenaphthylene	ND	0.0105	"	"	"	"	"	"	
Anthracene	0.0459	0.0105	"	"	"	"	"	"	
Benzo (a) anthracene	0.0125	0.0105	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0105	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0105	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0105	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	0.0105	"	"	"	"	"	"	
Chrysene	0.0213	0.0105	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.0105	"	"	"	"	"	"	
Fluoranthene	0.0409	0.0105	"	"	"	"	"	"	
Fluorene	0.0109	0.0105	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0105	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.0105	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.0105	"	"	"	"	"	"	
Naphthalene	ND	0.0105	"	"	"	"	"	"	
Phenanthrene	0.0358	0.0105	"	"	"	"	"	"	
Pyrene	0.0447	0.0105	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl-d14	99.4 %	50-147			"	"	"	"	

North Creek Analytical - Bothell

Kate Haney, Project Manager

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Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
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Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
11/21/05 16:53

Physical Parameters by APHA/ASTM/EPA Methods
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-2-2.0 (B5K0366-01) Soil Sampled: 11/16/05 15:15 Received: 11/17/05 17:45									
Dry Weight	80.9	1.00	%	1	5K18059	11/18/05	11/19/05	BSOPSPL003R08	
B-1-1.0 (B5K0366-02) Soil Sampled: 11/16/05 15:18 Received: 11/17/05 17:45									
Dry Weight	64.9	1.00	%	1	5K18059	11/18/05	11/19/05	BSOPSPL003R08	
C-3-2.0 (B5K0366-03) Soil Sampled: 11/16/05 15:22 Received: 11/17/05 17:45									
Dry Weight	80.7	1.00	%	1	5K18059	11/18/05	11/19/05	BSOPSPL003R08	
C-2-2.0 (B5K0366-04) Soil Sampled: 11/16/05 15:26 Received: 11/17/05 17:45									
Dry Weight	80.3	1.00	%	1	5K18059	11/18/05	11/19/05	BSOPSPL003R08	
TP-7-6.0 (B5K0366-05) Soil Sampled: 11/17/05 09:00 Received: 11/17/05 17:45									
Dry Weight	93.8	1.00	%	1	5K18059	11/18/05	11/19/05	BSOPSPL003R08	

North Creek Analytical - Bothell

Kate Haney, Project Manager

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Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
 425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
 509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
 32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
 Project Number: 0496017.01
 Project Manager: Ross Dunning

Reported:
 11/21/05 16:53

Semivolatile Petroleum Products by NWTPH-Dx with Acid/Silica Gel Clean-up - Quality Control **North Creek Analytical - Bothell**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch 5K18044: Prepared 11/18/05 Using EPA 3550B

Blank (5K18044-BLK1)

Diesel Range Hydrocarbons	ND	10.0	mg/kg							
Lube Oil Range Hydrocarbons	ND	25.0	"							
Surrogate: 2-FBP	7.91		"	8.33		95.0	50-150			
Surrogate: Octacosane	7.83		"	8.33		94.0	50-150			

LCS (5K18044-BS1)

Diesel Range Hydrocarbons	64.6	10.0	mg/kg	66.7		96.9	61-120			
Surrogate: 2-FBP	8.12		"	8.33		97.5	50-150			

LCS Dup (5K18044-BSD1)

Diesel Range Hydrocarbons	70.5	10.0	mg/kg	66.7		106	61-120	8.73	40	
Surrogate: 2-FBP	8.89		"	8.33		107	50-150			

Duplicate (5K18044-DUP1)

Source: B5K0366-05

Diesel Range Hydrocarbons	8.65	10.6	mg/kg dry		6.17			33.5	50	
Lube Oil Range Hydrocarbons	7.93	26.4	"		6.58			18.6	50	
Surrogate: 2-FBP	7.96		"	8.80		90.5	50-150			
Surrogate: Octacosane	8.18		"	8.80		93.0	50-150			

North Creek Analytical - Bothell

Kate Haney, Project Manager

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 425.420.9200 fax 425.420.9210
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 32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
 Project Number: 0496017.01
 Project Manager: Ross Dunning

Reported:
 11/21/05 16:53

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM - Quality Control
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	Limit	RPD	RPD Limit	Notes

Batch 5K18046: Prepared 11/18/05 Using EPA 3550B

Blank (5K18046-BLK1)

Acenaphthene	ND	0.0100	mg/kg							
Acenaphthylene	ND	0.0100	"							
Anthracene	ND	0.0100	"							
Benzo (a) anthracene	ND	0.0100	"							
Benzo (a) pyrene	ND	0.0100	"							
Benzo (b) fluoranthene	ND	0.0100	"							
Benzo (k) fluoranthene	ND	0.0100	"							
Benzo (b & k) fluoranthene	ND	0.0200	"							
Benzo (ghi) perylene	ND	0.0100	"							
Chrysene	ND	0.0100	"							
Dibenz (a,h) anthracene	ND	0.0100	"							
Fluoranthene	ND	0.0100	"							
Fluorene	ND	0.0100	"							
Indeno (1,2,3-cd) pyrene	ND	0.0100	"							
1-Methylnaphthalene	ND	0.0100	"							
2-Methylnaphthalene	ND	0.0100	"							
Naphthalene	ND	0.0100	"							
Phenanthrene	ND	0.0100	"							
Pyrene	ND	0.0100	"							
Surrogate: p-Terphenyl-d14	1.82		"	1.67		109	50-147			

LCS (5K18046-BS1)

Acenaphthene	0.562	0.0100	mg/kg	0.667		84.3	70-125			
Acenaphthylene	0.605	0.0100	"	0.667		90.7	70-133			
Anthracene	0.665	0.0100	"	0.667		99.7	70-152			
Benzo (a) anthracene	0.596	0.0100	"	0.667		89.4	60-125			
Benzo (a) pyrene	0.636	0.0100	"	0.667		95.4	64-134			
Benzo (b) fluoranthene	0.691	0.0100	"	0.667		104	62-147			
Benzo (k) fluoranthene	0.681	0.0100	"	0.667		102	60-144			
Benzo (ghi) perylene	0.616	0.0100	"	0.667		92.4	57-137			
Chrysene	0.627	0.0100	"	0.667		94.0	70-139			
Dibenz (a,h) anthracene	0.673	0.0100	"	0.667		101	56-140			
Fluoranthene	0.663	0.0100	"	0.667		99.4	70-141			
Fluorene	0.648	0.0100	"	0.667		97.2	76-132			
Indeno (1,2,3-cd) pyrene	0.640	0.0100	"	0.667		96.0	55-138			

North Creek Analytical - Bothell

Kate Haney

Kate Haney, Project Manager

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Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
11/21/05 16:53

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM - Quality Control
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes

Batch 5K18046: Prepared 11/18/05 Using EPA 3550B

LCS (5K18046-BS1)

1-Methylnaphthalene	0.695	0.0100	mg/kg	0.667		104	46-128		
2-Methylnaphthalene	0.669	0.0100	"	0.667		100	41-125		
Naphthalene	0.610	0.0100	"	0.667		91.5	43-125		
Phenanthrene	0.557	0.0100	"	0.667		83.5	73-125		
Pyrene	0.642	0.0100	"	0.667		96.3	68-140		
Surrogate: p-Terphenyl-d14	1.62		"	1.67		97.0	50-147		

LCS Dup (5K18046-BSD1)

Acenaphthene	0.590	0.0100	mg/kg	0.667		88.5	70-125	4.86	40
Acenaphthylene	0.633	0.0100	"	0.667		94.9	70-133	4.52	40
Anthracene	0.691	0.0100	"	0.667		104	70-152	3.83	40
Benzo (a) anthracene	0.628	0.0100	"	0.667		94.2	60-125	5.23	40
Benzo (a) pyrene	0.678	0.0100	"	0.667		102	64-134	6.39	26
Benzo (b) fluoranthene	0.741	0.0100	"	0.667		111	62-147	6.98	40
Benzo (k) fluoranthene	0.696	0.0100	"	0.667		104	60-144	2.18	40
Benzo (ghi) perylene	0.641	0.0100	"	0.667		96.1	57-137	3.98	40
Chrysene	0.657	0.0100	"	0.667		98.5	70-139	4.67	24
Dibenz (a,h) anthracene	0.708	0.0100	"	0.667		106	56-140	5.07	40
Fluoranthene	0.689	0.0100	"	0.667		103	70-141	3.85	40
Fluorene	0.679	0.0100	"	0.667		102	76-132	4.67	43
Indeno (1,2,3-cd) pyrene	0.675	0.0100	"	0.667		101	55-138	5.32	39
1-Methylnaphthalene	0.700	0.0100	"	0.667		105	46-128	0.717	40
2-Methylnaphthalene	0.676	0.0100	"	0.667		101	41-125	1.04	40
Naphthalene	0.610	0.0100	"	0.667		91.5	43-125	0.00	40
Phenanthrene	0.575	0.0100	"	0.667		86.2	73-125	3.18	40
Pyrene	0.678	0.0100	"	0.667		102	68-140	5.45	40
Surrogate: p-Terphenyl-d14	1.68		"	1.67		101	50-147		

North Creek Analytical - Bothell

Kate Haney, Project Manager

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Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
11/21/05 16:53

Physical Parameters by APHA/ASTM/EPA Methods - Quality Control
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD Limit	Notes

Batch 5K18059: Prepared 11/18/05 Using General Preparation

Blank (5K18059-BLK1)

Dry Weight	99.8	1.00	%

North Creek Analytical - Bothell

Kate Haney, Project Manager

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509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
11/21/05 16:53

Notes and Definitions

D-06 The sample chromatographic pattern does not resemble the fuel standard used for quantitation.
D-09 Results in the diesel organics range are primarily due to overlap from a heavy oil range product.
DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference

North Creek Analytical - Bothell

Kate Haney, Project Manager

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425.420.9200 fax 425.420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

22 November 2005

Ross Dunning
Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001
RE: BNSF-Harborview Park

Enclosed are the results of analyses for samples received by the laboratory on 11/18/05 11:35. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kate Haney
Project Manager



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
11/22/05 16:28

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TP-8-5.0	B5K0381-01	Soil	11/17/05 13:02	11/18/05 11:35
I-2-4.0	B5K0381-02	Soil	11/17/05 13:15	11/18/05 11:35

North Creek Analytical - Bothell

Kate Haney, Project Manager

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509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
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32001 32nd Ave S Ste 100
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Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
11/22/05 16:28

Semivolatile Petroleum Products by NWTPH-Dx with Acid/Silica Gel Clean-up
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
TP-8-5.0 (B5K0381-01) Soil Sampled: 11/17/05 13:02 Received: 11/18/05 11:35									
Diesel Range Hydrocarbons	ND	11.0	mg/kg dry	1	5K18044	11/18/05	11/18/05	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	27.4	"	"	"	"	"	"	
Surrogate: 2-FBP	90.7 %	50-150			"	"	"	"	
Surrogate: Octacosane	91.7 %	50-150			"	"	"	"	
I-2-4.0 (B5K0381-02) Soil Sampled: 11/17/05 13:15 Received: 11/18/05 11:35									
Diesel Range Hydrocarbons	ND	10.3	mg/kg dry	1	5K18044	11/18/05	11/19/05	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	25.8	"	"	"	"	"	"	
Surrogate: 2-FBP	91.4 %	50-150			"	"	"	"	
Surrogate: Octacosane	93.9 %	50-150			"	"	"	"	

North Creek Analytical - Bothell

Kate Haney, Project Manager

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509.924.9200 fax 509.924.9290
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32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
11/22/05 16:28

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
TP-8-5.0 (B5K0381-01) Soil Sampled: 11/17/05 13:02 Received: 11/18/05 11:35									
Acenaphthene	ND	0.0109	mg/kg dry	1	5K18046	11/18/05	11/21/05	EPA 8270-SIM	
Acenaphthylene	ND	0.0109	"	"	"	"	"	"	
Anthracene	ND	0.0109	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.0109	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0109	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0109	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0109	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	0.0109	"	"	"	"	"	"	
Chrysene	ND	0.0109	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.0109	"	"	"	"	"	"	
Fluoranthene	ND	0.0109	"	"	"	"	"	"	
Fluorene	ND	0.0109	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0109	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.0109	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.0109	"	"	"	"	"	"	
Naphthalene	ND	0.0109	"	"	"	"	"	"	
Phenanthrene	ND	0.0109	"	"	"	"	"	"	
Pyrene	ND	0.0109	"	"	"	"	"	"	

Surrogate: p-Terphenyl-d14 86.7 % 50-147 " " " "

I-2-4.0 (B5K0381-02) Soil Sampled: 11/17/05 13:15 Received: 11/18/05 11:35

Acenaphthene	ND	0.0104	mg/kg dry	1	5K18046	11/18/05	11/21/05	EPA 8270-SIM	
Acenaphthylene	ND	0.0104	"	"	"	"	"	"	
Anthracene	ND	0.0104	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.0104	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0104	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0104	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0104	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	0.0104	"	"	"	"	"	"	
Chrysene	ND	0.0104	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.0104	"	"	"	"	"	"	
Fluoranthene	ND	0.0104	"	"	"	"	"	"	
Fluorene	ND	0.0104	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0104	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.0104	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.0104	"	"	"	"	"	"	
Naphthalene	ND	0.0104	"	"	"	"	"	"	
Phenanthrene	ND	0.0104	"	"	"	"	"	"	

North Creek Analytical - Bothell

Kate Haney, Project Manager

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Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
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907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
11/22/05 16:28

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
I-2-4.0 (B5K0381-02) Soil Sampled: 11/17/05 13:15 Received: 11/18/05 11:35									
Pyrene	ND	0.0104	mg/kg dry	1	5K18046	11/18/05	11/21/05	EPA 8270-SIM	
Surrogate: p-Terphenyl-d14	90.8 %	50-147			"	"	"	"	

North Creek Analytical - Bothell

Kate Haney, Project Manager

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509.924.9200 fax 509.924.9290
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Project: BNSF-Harborview Park
Project Number: 0496017.01
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Reported:
11/22/05 16:28

Physical Parameters by APHA/ASTM/EPA Methods
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
TP-8-5.0 (B5K0381-01) Soil Sampled: 11/17/05 13:02 Received: 11/18/05 11:35									
Dry Weight	90.8	1.00	%	1	5K19006	11/19/05	11/21/05	BSOPSPL003R08	
I-2-4.0 (B5K0381-02) Soil Sampled: 11/17/05 13:15 Received: 11/18/05 11:35									
Dry Weight	96.0	1.00	%	1	5K19006	11/19/05	11/21/05	BSOPSPL003R08	

North Creek Analytical - Bothell

Kate Hancy, Project Manager

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Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
 425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
 509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
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 907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
 32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
 Project Number: 0496017.01
 Project Manager: Ross Dunning

Reported:
 11/22/05 16:28

Semivolatile Petroleum Products by NWTPH-Dx with Acid/Silica Gel Clean-up - Quality Control
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 5K18044: Prepared 11/18/05 Using EPA 3550B									
Blank (5K18044-BLK1)									
Diesel Range Hydrocarbons	ND	10.0	mg/kg						
Lube Oil Range Hydrocarbons	ND	25.0	"						
Surrogate: 2-FBP	7.91		"	8.33		95.0	50-150		
Surrogate: Octacosane	7.83		"	8.33		94.0	50-150		
LCS (5K18044-BS1)									
Diesel Range Hydrocarbons	64.6	10.0	mg/kg	66.7		96.9	61-120		
Surrogate: 2-FBP	8.12		"	8.33		97.5	50-150		
LCS Dup (5K18044-BSD1)									
Diesel Range Hydrocarbons	70.5	10.0	mg/kg	66.7		106	61-120	8.73	40
Surrogate: 2-FBP	8.89		"	8.33		107	50-150		
Duplicate (5K18044-DUP1) Source: B5K0366-05									
Diesel Range Hydrocarbons	8.65	10.6	mg/kg dry		6.17			33.5	50
Lube Oil Range Hydrocarbons	7.93	26.4	"		6.58			18.6	50
Surrogate: 2-FBP	7.96		"	8.80		90.5	50-150		
Surrogate: Octacosane	8.18		"	8.80		93.0	50-150		

North Creek Analytical - Bothell

Kate Haney, Project Manager

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Kennedy/Jenks Consultants
 32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
 Project Number: 0496017.01
 Project Manager: Ross Dunning

Reported:
 11/22/05 16:28

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM - Quality Control
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch 5K18046: Prepared 11/18/05 Using EPA 3550B

Blank (5K18046-BLK1)

Acenaphthene	ND	0.0100	mg/kg							
Acenaphthylene	ND	0.0100	"							
Anthracene	ND	0.0100	"							
Benzo (a) anthracene	ND	0.0100	"							
Benzo (a) pyrene	ND	0.0100	"							
Benzo (b) fluoranthene	ND	0.0100	"							
Benzo (k) fluoranthene	ND	0.0100	"							
Benzo (b & k) fluoranthene	ND	0.0200	"							
Benzo (ghi) perylene	ND	0.0100	"							
Chrysene	ND	0.0100	"							
Dibenz (a,h) anthracene	ND	0.0100	"							
Fluoranthene	ND	0.0100	"							
Fluorene	ND	0.0100	"							
Indeno (1,2,3-cd) pyrene	ND	0.0100	"							
1-Methylnaphthalene	ND	0.0100	"							
2-Methylnaphthalene	ND	0.0100	"							
Naphthalene	ND	0.0100	"							
Phenanthrene	ND	0.0100	"							
Pyrene	ND	0.0100	"							
Surrogate: p-Terphenyl-d14	1.82		"	1.67		109	50-147			

LCS (5K18046-BS1)

Acenaphthene	0.562	0.0100	mg/kg	0.667		84.3	70-125			
Acenaphthylene	0.605	0.0100	"	0.667		90.7	70-133			
Anthracene	0.665	0.0100	"	0.667		99.7	70-152			
Benzo (a) anthracene	0.596	0.0100	"	0.667		89.4	60-125			
Benzo (a) pyrene	0.636	0.0100	"	0.667		95.4	64-134			
Benzo (b) fluoranthene	0.691	0.0100	"	0.667		104	62-147			
Benzo (k) fluoranthene	0.681	0.0100	"	0.667		102	60-144			
Benzo (ghi) perylene	0.616	0.0100	"	0.667		92.4	57-137			
Chrysene	0.627	0.0100	"	0.667		94.0	70-139			
Dibenz (a,h) anthracene	0.673	0.0100	"	0.667		101	56-140			
Fluoranthene	0.663	0.0100	"	0.667		99.4	70-141			
Fluorene	0.648	0.0100	"	0.667		97.2	76-132			
Indeno (1,2,3-cd) pyrene	0.640	0.0100	"	0.667		96.0	55-138			

North Creek Analytical - Bothell

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Kate Haney

Kate Haney, Project Manager

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Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
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Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
11/22/05 16:28

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM - Quality Control
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch 5K18046: Prepared 11/18/05 Using EPA 3550B

LCS (5K18046-BS1)

1-Methylnaphthalene	0.695	0.0100	mg/kg	0.667		104	46-128			
2-Methylnaphthalene	0.669	0.0100	"	0.667		100	41-125			
Naphthalene	0.610	0.0100	"	0.667		91.5	43-125			
Phenanthrene	0.557	0.0100	"	0.667		83.5	73-125			
Pyrene	0.642	0.0100	"	0.667		96.3	68-140			
Surrogate: p-Terphenyl-d14	1.62		"	1.67		97.0	50-147			

LCS Dup (5K18046-BSD1)

Acenaphthene	0.590	0.0100	mg/kg	0.667		88.5	70-125	4.86	40	
Acenaphthylene	0.633	0.0100	"	0.667		94.9	70-133	4.52	40	
Anthracene	0.691	0.0100	"	0.667		104	70-152	3.83	40	
Benzo (a) anthracene	0.628	0.0100	"	0.667		94.2	60-125	5.23	40	
Benzo (a) pyrene	0.678	0.0100	"	0.667		102	64-134	6.39	26	
Benzo (b) fluoranthene	0.741	0.0100	"	0.667		111	62-147	6.98	40	
Benzo (k) fluoranthene	0.696	0.0100	"	0.667		104	60-144	2.18	40	
Benzo (ghi) perylene	0.641	0.0100	"	0.667		96.1	57-137	3.98	40	
Chrysene	0.657	0.0100	"	0.667		98.5	70-139	4.67	24	
Dibenz (a,h) anthracene	0.708	0.0100	"	0.667		106	56-140	5.07	40	
Fluoranthene	0.689	0.0100	"	0.667		103	70-141	3.85	40	
Fluorene	0.679	0.0100	"	0.667		102	76-132	4.67	43	
Indeno (1,2,3-cd) pyrene	0.675	0.0100	"	0.667		101	55-138	5.32	39	
1-Methylnaphthalene	0.700	0.0100	"	0.667		105	46-128	0.717	40	
2-Methylnaphthalene	0.676	0.0100	"	0.667		101	41-125	1.04	40	
Naphthalene	0.610	0.0100	"	0.667		91.5	43-125	0.00	40	
Phenanthrene	0.575	0.0100	"	0.667		86.2	73-125	3.18	40	
Pyrene	0.678	0.0100	"	0.667		102	68-140	5.45	40	
Surrogate: p-Terphenyl-d14	1.68		"	1.67		101	50-147			

North Creek Analytical - Bothell

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Kate Haney, Project Manager

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Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
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907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
11/22/05 16:28

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM - Quality Control
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch 5K18046: Prepared 11/18/05 Using EPA 3550B

Matrix Spike (5K18046-MS1)

Source: B5K0274-09

Acenaphthene	0.571	0.0101	mg/kg wet	0.676	ND	84.5	67-132			
Acenaphthylene	0.651	0.0101	"	0.676	ND	96.3	65-142			
Anthracene	0.716	0.0101	"	0.676	ND	106	66-158			
Benzo (a) anthracene	0.644	0.0101	"	0.676	ND	95.3	41-156			
Benzo (a) pyrene	0.687	0.0101	"	0.676	ND	102	52-148			
Benzo (b) fluoranthene	0.778	0.0101	"	0.676	ND	115	53-151			
Benzo (k) fluoranthene	0.727	0.0101	"	0.676	ND	108	46-161			
Benzo (ghi) perylene	0.494	0.0101	"	0.676	ND	73.1	26-154			
Chrysene	0.671	0.0101	"	0.676	ND	99.3	55-155			
Dibenz (a,h) anthracene	0.605	0.0101	"	0.676	ND	89.5	27-157			
Fluoranthene	0.743	0.0101	"	0.676	ND	110	46-172			
Fluorene	0.720	0.0101	"	0.676	ND	107	66-143			
Indeno (1,2,3-cd) pyrene	0.563	0.0101	"	0.676	ND	83.3	24-159			
1-Methylnaphthalene	0.760	0.0101	"	0.676	0.00121	112	39-140			
2-Methylnaphthalene	0.724	0.0101	"	0.676	0.00148	107	32-139			
Naphthalene	0.645	0.0101	"	0.676	ND	95.4	38-134			
Phenanthrene	0.605	0.0101	"	0.676	0.00148	89.3	63-139			
Pyrene	0.674	0.0101	"	0.676	ND	99.7	51-172			
Surrogate: p-Terphenyl-d14	1.69		"	1.69		100	50-147			

Matrix Spike Dup (5K18046-MSD1)

Source: B5K0274-09

Acenaphthene	0.521	0.00987	mg/kg wet	0.658	ND	79.2	67-132	9.16	50	
Acenaphthylene	0.587	0.00987	"	0.658	ND	89.2	65-142	10.3	50	
Anthracene	0.677	0.00987	"	0.658	ND	103	66-158	5.60	50	
Benzo (a) anthracene	0.608	0.00987	"	0.658	ND	92.4	41-156	5.75	50	
Benzo (a) pyrene	0.652	0.00987	"	0.658	ND	99.1	52-148	5.23	50	
Benzo (b) fluoranthene	0.730	0.00987	"	0.658	ND	111	53-151	6.37	50	
Benzo (k) fluoranthene	0.673	0.00987	"	0.658	ND	102	46-161	7.71	50	
Benzo (ghi) perylene	0.452	0.00987	"	0.658	ND	68.7	26-154	8.88	50	
Chrysene	0.635	0.00987	"	0.658	ND	96.5	55-155	5.51	44	
Dibenz (a,h) anthracene	0.557	0.00987	"	0.658	ND	84.7	27-157	8.26	50	
Fluoranthene	0.706	0.00987	"	0.658	ND	107	46-172	5.11	50	
Fluorene	0.651	0.00987	"	0.658	ND	98.9	66-143	10.1	52	
Indeno (1,2,3-cd) pyrene	0.519	0.00987	"	0.658	ND	78.9	24-159	8.13	43	
1-Methylnaphthalene	0.667	0.00987	"	0.658	0.00121	101	39-140	13.0	50	

North Creek Analytical - Bothell

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425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.924.9290
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Kennedy/Jenks Consultants
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Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
11/22/05 16:28

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM - Quality Control
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch 5K18046: Prepared 11/18/05 Using EPA 3550B

Matrix Spike Dup (5K18046-MSD1)

Source: B5K0274-09

2-Methylnaphthalene	0.636	0.00987	mg/kg wet	0.658	0.00148	96.4	32-139	12.9	50	
Naphthalene	0.570	0.00987	"	0.658	ND	86.6	38-134	12.3	50	
Phenanthrene	0.567	0.00987	"	0.658	0.00148	85.9	63-139	6.48	50	
Pyrene	0.641	0.00987	"	0.658	ND	97.4	51-172	5.02	50	
Surrogate: p-Terphenyl-d14	1.62		"	1.64		98.8	50-147			

North Creek Analytical - Bothell

Kate Haney, Project Manager

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Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
11/22/05 16:28

Physical Parameters by APHA/ASTM/EPA Methods - Quality Control

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch 5K19006: Prepared 11/19/05 Using Dry Weight

Blank (5K19006-BLK1)

Dry Weight	99.2	1.00	%							

North Creek Analytical - Bothell

Kate Haney, Project Manager

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Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
11/22/05 16:28

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference

North Creek Analytical - Bothell

Kate Haney, Project Manager

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Environmental Laboratory Network

November 27, 2007

Ross Dunning
Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

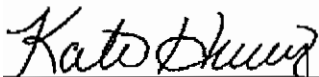
RE: BNSF-Harborview Park

Enclosed are the results of analyses for samples received by the laboratory on 11/22/05 14:55.
The following list is a summary of the Work Orders contained in this report, generated on 11/28/05 16:08.

If you have any questions concerning this report, please feel free to contact me.

<u>Work Order</u>	<u>Project</u>	<u>ProjectNumber</u>
B5K0458	BNSF-Harborview Park	0496017.01

TestAmerica - Seattle, WA



Kate Hancy, Project Manager

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Kennedy/Jenks Consultants

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Federal Way, WA/USA 98001

Project Name: **BNSF-Harborview Park**

Project Number: **0496017.01**

Project Manager: **Ross Dunning**

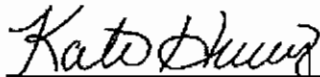
Report Created:

11/28/05 16:08

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
K-2-2.5	B5K0458-01	Soil	11/22/05 08:15	11/22/05 14:55
M-2-8.0	B5K0458-02	Soil	11/22/05 08:30	11/22/05 14:55
TP-9-8.0	B5K0458-03	Soil	11/22/05 11:45	11/22/05 14:55

TestAmerica - Seattle, WA



Kate Hancy, Project Manager

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Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project Name: **BNSF-Harborview Park**

Project Number: **0496017.01**

Project Manager: **Ross Dunning**

Report Created:

11/28/05 16:08

Semivolatile Petroleum Products by NWTPH-Dx with Acid/Silica Gel Clean-up

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
B5K0458-01 (K-2-2.5)		Soil		Sampled: 11/22/05 08:15						
Diesel Range Hydrocarbons	NWTPH-Dx	ND	----	10.6	mg/kg dry	1x	5K22065	11/22/05 15:37	11/23/05 13:49	
Lube Oil Range Hydrocarbons	"	ND	----	26.4	"	"	"	"	"	
<i>Surrogate(s): 2-FBP</i>				74.7%	50 - 150 %	"				"
<i>Octacosane</i>				97.4%	50 - 150 %	"				"
B5K0458-02 (M-2-8.0)		Soil		Sampled: 11/22/05 08:30						
Diesel Range Hydrocarbons	NWTPH-Dx	ND	----	10.8	mg/kg dry	1x	5K22065	11/22/05 15:37	11/23/05 14:18	
Lube Oil Range Hydrocarbons	"	ND	----	26.9	"	"	"	"	"	
<i>Surrogate(s): 2-FBP</i>				79.0%	50 - 150 %	"				"
<i>Octacosane</i>				99.7%	50 - 150 %	"				"
B5K0458-03 (TP-9-8.0)		Soil		Sampled: 11/22/05 11:45						
Diesel Range Hydrocarbons	NWTPH-Dx	ND	----	10.4	mg/kg dry	1x	5K22065	11/22/05 15:37	11/23/05 14:47	
Lube Oil Range Hydrocarbons	"	ND	----	25.9	"	"	"	"	"	
<i>Surrogate(s): 2-FBP</i>				77.9%	50 - 150 %	"				"
<i>Octacosane</i>				101%	50 - 150 %	"				"

TestAmerica - Seattle, WA

Kate Hancy

Kate Hancy, Project Manager

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Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project Name: **BNSF-Harborview Park**

Project Number: 0496017.01

Project Manager: Ross Dunning

Report Created:

11/28/05 16:08

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
B5K0458-01 (K-2-2.5)		Soil							Sampled: 11/22/05 08:15	
Acenaphthene	EPA 8270-SIM	ND	----	0.0104	mg/kg dry	1x	5K22048	11/22/05 15:35	11/23/05 14:43	
Acenaphthylene	"	ND	----	0.0104	"	"	"	"	"	
Anthracene	"	ND	----	0.0104	"	"	"	"	"	
Benzo (a) anthracene	"	ND	----	0.0104	"	"	"	"	"	
Benzo (a) pyrene	"	ND	----	0.0104	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	----	0.0104	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	----	0.0104	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	----	0.0104	"	"	"	"	"	
Chrysene	"	ND	----	0.0104	"	"	"	"	"	
Dibenz (a,h) anthracene	"	ND	----	0.0104	"	"	"	"	"	
Fluoranthene	"	ND	----	0.0104	"	"	"	"	"	
Fluorene	"	ND	----	0.0104	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	----	0.0104	"	"	"	"	"	
1-Methylnaphthalene	"	ND	----	0.0104	"	"	"	"	"	
2-Methylnaphthalene	"	ND	----	0.0104	"	"	"	"	"	
Naphthalene	"	ND	----	0.0104	"	"	"	"	"	
Phenanthrene	"	ND	----	0.0104	"	"	"	"	"	
Pyrene	"	ND	----	0.0104	"	"	"	"	"	
Surrogate(s): p-Terphenyl-d14			124%		50 - 147 %	"				

B5K0458-02 (M-2-8.0)		Soil							Sampled: 11/22/05 08:30	
Acenaphthene	EPA 8270-SIM	ND	----	0.0109	mg/kg dry	1x	5K22048	11/22/05 15:35	11/23/05 15:43	
Acenaphthylene	"	ND	----	0.0109	"	"	"	"	"	
Anthracene	"	ND	----	0.0109	"	"	"	"	"	
Benzo (a) anthracene	"	ND	----	0.0109	"	"	"	"	"	
Benzo (a) pyrene	"	ND	----	0.0109	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	----	0.0109	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	----	0.0109	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	----	0.0109	"	"	"	"	"	
Chrysene	"	ND	----	0.0109	"	"	"	"	"	
Dibenz (a,h) anthracene	"	ND	----	0.0109	"	"	"	"	"	
Fluoranthene	"	ND	----	0.0109	"	"	"	"	"	
Fluorene	"	ND	----	0.0109	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	----	0.0109	"	"	"	"	"	
1-Methylnaphthalene	"	ND	----	0.0109	"	"	"	"	"	
2-Methylnaphthalene	"	ND	----	0.0109	"	"	"	"	"	
Naphthalene	"	ND	----	0.0109	"	"	"	"	"	
Phenanthrene	"	ND	----	0.0109	"	"	"	"	"	
Pyrene	"	ND	----	0.0109	"	"	"	"	"	
Surrogate(s): p-Terphenyl-d14			109%		50 - 147 %	"				

TestAmerica - Seattle, WA

Kate Haney

Kate Haney, Project Manager

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Kennedy/Jenks Consultants	Project Name: BNSF-Harborview Park	Report Created:
32001 32nd Ave S Ste 100	Project Number: 0496017.01	11/28/05 16:08
Federal Way, WA/USA 98001	Project Manager: Ross Dunning	

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM
TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
B5K0458-03 (TP-9-8.0)		Soil					Sampled: 11/22/05 11:45			
Acenaphthene	EPA 8270-SIM	ND	----	0.0104	mg/kg dry	1x	5K22048	11/22/05 15:35	11/23/05 15:13	
Acenaphthylene	"	ND	----	0.0104	"	"	"	"	"	
Anthracene	"	0.0104	----	0.0104	"	"	"	"	"	
Benzo (a) anthracene	"	ND	----	0.0104	"	"	"	"	"	
Benzo (a) pyrene	"	ND	----	0.0104	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	----	0.0104	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	----	0.0104	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	----	0.0104	"	"	"	"	"	
Chrysene	"	ND	----	0.0104	"	"	"	"	"	
Dibenz (a,h) anthracene	"	ND	----	0.0104	"	"	"	"	"	
Fluoranthene	"	ND	----	0.0104	"	"	"	"	"	
Fluorene	"	ND	----	0.0104	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	----	0.0104	"	"	"	"	"	
1-Methylnaphthalene	"	ND	----	0.0104	"	"	"	"	"	
2-Methylnaphthalene	"	ND	----	0.0104	"	"	"	"	"	
Naphthalene	"	ND	----	0.0104	"	"	"	"	"	
Phenanthrene	"	ND	----	0.0104	"	"	"	"	"	
Pyrene	"	ND	----	0.0104	"	"	"	"	"	
Surrogate(s): p-Terphenyl-d14			118%		50 - 147 %	"			"	

TestAmerica - Seattle, WA

Kate Hancy

Kate Hancy, Project Manager

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Kennedy/Jenks Consultants 32001 32nd Ave S Ste 100 Federal Way, WA/USA 98001	Project Name: BNSF-Harborview Park Project Number: 0496017.01 Project Manager: Ross Dunning	Report Created: 11/28/05 16:08

Physical Parameters by APHA/ASTM/EPA Methods

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
B5K0458-01 (K-2-2.5)		Soil							Sampled: 11/22/05 08:15	
Dry Weight	BSOPSPL003R0 8	96.2	-----	1.00	%	1x	5K22039	11/22/05 12:35	11/23/05 00:00	
B5K0458-02 (M-2-8.0)		Soil							Sampled: 11/22/05 08:30	
Dry Weight	BSOPSPL003R0 8	92.7	-----	1.00	%	1x	5K22039	11/22/05 12:35	11/23/05 00:00	
B5K0458-03 (TP-9-8.0)		Soil							Sampled: 11/22/05 11:45	
Dry Weight	BSOPSPL003R0 8	95.5	-----	1.00	%	1x	5K22039	11/22/05 12:35	11/23/05 00:00	

TestAmerica - Seattle, WA

Kate Haney

Kate Haney, Project Manager

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Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project Name: **BNSF-Harborview Park**

Project Number: 0496017.01

Project Manager: Ross Dunning

Report Created:

11/28/05 16:08

Semivolatile Petroleum Products by NWTPH-Dx with Acid/Silica Gel Clean-up - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 5K22065

Soil Preparation Method: EPA 3550B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (5K22065-BLK1)								Extracted: 11/22/05 15:37						
Diesel Range Hydrocarbons	NWTPH-Dx	ND	---	10.0	mg/kg wet	1x	--	--	--	--	--	--	11/22/05 22:00	
Lube Oil Range Hydrocarbons	"	ND	---	25.0	"	"	--	--	--	--	--	--	"	
Surrogate(s): 2-FBP		Recovery:	76.0%	Limits: 50-150%		"							11/22/05 22:00	
Octacosane			98.3%	50-150%		"							"	
LCS (5K22065-BS1)								Extracted: 11/22/05 15:37						
Diesel Range Hydrocarbons	NWTPH-Dx	60.2	---	10.0	mg/kg wet	1x	--	66.7	90.3%	(61-120)	--	--	11/22/05 22:29	
Surrogate(s): 2-FBP		Recovery:	79.6%	Limits: 50-150%		"							11/22/05 22:29	
LCS Dup (5K22065-BSD1)								Extracted: 11/22/05 15:37						
Diesel Range Hydrocarbons	NWTPH-Dx	60.1	---	10.0	mg/kg wet	1x	--	66.7	90.1%	(61-120)	0.166%	(40)	11/22/05 22:59	
Surrogate(s): 2-FBP		Recovery:	78.4%	Limits: 50-150%		"							11/22/05 22:59	
Duplicate (5K22065-DUP1)				QC Source: BSK0458-01				Extracted: 11/22/05 15:37						
Diesel Range Hydrocarbons	NWTPH-Dx	ND	---	10.5	mg/kg dry	1x	ND	--	--	--	NR	(50)	11/23/05 13:20	
Lube Oil Range Hydrocarbons	"	ND	---	26.2	"	"	ND	--	--	--	NR	"	"	
Surrogate(s): 2-FBP		Recovery:	69.7%	Limits: 50-150%		"							11/23/05 13:20	
Octacosane			101%	50-150%		"							"	

TestAmerica - Seattle, WA

Kate Hancy

Kate Hancy, Project Manager

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Kennedy/Jenks Consultants	Project Name: BNSF-Harborview Park	Report Created:
32001 32nd Ave S Ste 100	Project Number: 0496017.01	11/28/05 16:08
Federal Way, WA/USA 98001	Project Manager: Ross Dunning	

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 5K22048	Soil Preparation Method: EPA 3550B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (5K22048-BLK1)														
Extracted: 11/22/05 13:01														
Acenaphthene	EPA 8270-SIM	ND	---	0.0100	mg/kg wet	1x	--	--	--	--	--	--	11/23/05 10:09	
Acenaphthylene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Anthracene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Benzo (a) anthracene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Benzo (a) pyrene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Benzo (b) fluoranthene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Benzo (k) fluoranthene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Benzo (b & k) fluoranthene	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
Benzo (ghi) perylene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Chrysene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Dibenz (a,h) anthracene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Fluoranthene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Fluorene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Indeno (1,2,3-cd) pyrene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
1-Methylnaphthalene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
2-Methylnaphthalene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Phenanthrene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Pyrene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Surrogate(s): p-Terphenyl-d14 Recovery: 119% Limits: 50-147% " 11/23/05 10:09														

Blank (5K22048-BLK2)														
Extracted: 11/22/05 13:01														
Acenaphthene	EPA 8270-SIM	ND	---	0.0100	mg/kg wet	1x	--	--	--	--	--	--	11/23/05 10:09	
Acenaphthylene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Anthracene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Benzo (a) anthracene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Benzo (a) pyrene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Benzo (b) fluoranthene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Benzo (k) fluoranthene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Benzo (b & k) fluoranthene	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
Benzo (ghi) perylene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Chrysene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Dibenz (a,h) anthracene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Fluoranthene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Fluorene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Indeno (1,2,3-cd) pyrene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
1-Methylnaphthalene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
2-Methylnaphthalene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	

TestAmerica - Seattle, WA

Kate Hancy

Kate Hancy, Project Manager

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Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project Name: **BNSF-Harborview Park**

Project Number: **0496017.01**

Project Manager: **Ross Dunning**

Report Created:

11/28/05 16:08

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 5K22048

Soil Preparation Method: EPA 3550B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes

Blank (5K22048-BLK2)

Extracted: 11/22/05 13:01

Naphthalene	EPA 8270-SIM	ND	---	0.0100	mg/kg wet	1x	--	--	--	--	--	--	11/23/05 10:09	
Phenanthrene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Pyrene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Surrogate(s): p-Terphenyl-d14		Recovery: 119%	Limits: 50-147%										11/23/05 10:09	

LCS (5K22048-BS2)

Extracted: 11/22/05 13:01

Acenaphthene	EPA 8270-SIM	0.605	---	0.0100	mg/kg wet	1x	--	0.667	90.7%	(70-125)	--	--	11/23/05 10:39	
Acenaphthylene	"	0.649	---	0.0100	"	"	--	"	97.3%	(70-133)	--	--	"	
Anthracene	"	0.668	---	0.0100	"	"	--	"	100%	(70-152)	--	--	"	
Benzo (a) anthracene	"	0.598	---	0.0100	"	"	--	"	89.7%	(60-125)	--	--	"	
Benzo (a) pyrene	"	0.647	---	0.0100	"	"	--	"	97.0%	(64-134)	--	--	"	
Benzo (b) fluoranthene	"	0.692	---	0.0100	"	"	--	"	104%	(62-147)	--	--	"	
Benzo (k) fluoranthene	"	0.701	---	0.0100	"	"	--	"	105%	(60-144)	--	--	"	
Benzo (ghi) perylene	"	0.616	---	0.0100	"	"	--	"	92.4%	(57-137)	--	--	"	
Chrysene	"	0.626	---	0.0100	"	"	--	"	93.9%	(70-139)	--	--	"	
Dibenz (a,h) anthracene	"	0.680	---	0.0100	"	"	--	"	102%	(56-140)	--	--	"	
Fluoranthene	"	0.671	---	0.0100	"	"	--	"	101%	(70-141)	--	--	"	
Fluorene	"	0.676	---	0.0100	"	"	--	"	101%	(76-132)	--	--	"	
Indeno (1,2,3-cd) pyrene	"	0.646	---	0.0100	"	"	--	"	96.9%	(55-138)	--	--	"	
1-Methylnaphthalene	"	0.654	---	0.0100	"	"	--	"	98.1%	(46-128)	--	--	"	
2-Methylnaphthalene	"	0.625	---	0.0100	"	"	--	"	93.7%	(41-125)	--	--	"	
Naphthalene	"	0.575	---	0.0100	"	"	--	"	86.2%	(43-125)	--	--	"	
Phenanthrene	"	0.555	---	0.0100	"	"	--	"	83.2%	(73-125)	--	--	"	
Pyrene	"	0.665	---	0.0100	"	"	--	"	99.7%	(68-140)	--	--	"	
Surrogate(s): p-Terphenyl-d14		Recovery: 113%	Limits: 50-147%										11/23/05 10:39	

LCS Dup (5K22048-BSD2)

Extracted: 11/22/05 13:01

Acenaphthene	EPA 8270-SIM	0.628	---	0.0100	mg/kg wet	1x	--	0.667	94.2%	(70-125)	3.73%	(40)	11/23/05 11:10	
Acenaphthylene	"	0.670	---	0.0100	"	"	--	"	100%	(70-133)	3.18%	"	"	
Anthracene	"	0.674	---	0.0100	"	"	--	"	101%	(70-152)	0.894%	"	"	
Benzo (a) anthracene	"	0.608	---	0.0100	"	"	--	"	91.2%	(60-125)	1.66%	"	"	
Benzo (a) pyrene	"	0.654	---	0.0100	"	"	--	"	98.1%	(64-134)	1.08%	(26)	"	
Benzo (b) fluoranthene	"	0.678	---	0.0100	"	"	--	"	102%	(62-147)	2.04%	(40)	"	
Benzo (k) fluoranthene	"	0.751	---	0.0100	"	"	--	"	113%	(60-144)	6.89%	"	"	
Benzo (ghi) perylene	"	0.632	---	0.0100	"	"	--	"	94.8%	(57-137)	2.56%	"	"	
Chrysene	"	0.637	---	0.0100	"	"	--	"	95.5%	(70-139)	1.74%	(24)	"	
Dibenz (a,h) anthracene	"	0.700	---	0.0100	"	"	--	"	105%	(56-140)	2.90%	(40)	"	
Fluoranthene	"	0.691	---	0.0100	"	"	--	"	104%	(70-141)	2.94%	"	"	

TestAmerica - Seattle, WA

Kate Hancy

Kate Hancy, Project Manager

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Kennedy/Jenks Consultants	Project Name: BNSF-Harborview Park	Report Created:
32001 32nd Ave S Ste 100	Project Number: 0496017.01	11/28/05 16:08
Federal Way, WA/USA 98001	Project Manager: Ross Dunning	

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM - Laboratory Quality Control Results
TestAmerica - Seattle, WA

QC Batch: 5K22048	Soil Preparation Method: EPA 3550B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes

LCS Dup (5K22048-BSD2)

Extracted: 11/22/05 13:01

Fluorene	EPA 8270-SIM	0.704	---	0.0100	mg/kg wet	1x	--	0.667	106%	(76-132)	4.06%	(43)	11/23/05 11:10	
Indeno (1,2,3-cd) pyrene	"	0.662	---	0.0100	"	"	--	"	99.3%	(55-138)	2.45%	(39)	"	
1-Methylnaphthalene	"	0.690	---	0.0100	"	"	--	"	103%	(46-128)	5.36%	(40)	"	
2-Methylnaphthalene	"	0.662	---	0.0100	"	"	--	"	99.3%	(41-125)	5.75%	"	"	
Naphthalene	"	0.614	---	0.0100	"	"	--	"	92.1%	(43-125)	6.56%	"	"	
Phenanthrene	"	0.571	---	0.0100	"	"	--	"	85.6%	(73-125)	2.84%	"	"	
Pyrene	"	0.678	---	0.0100	"	"	--	"	102%	(68-140)	1.94%	"	"	

Surrogate(s): *p-Terphenyl-d14*

Recovery: 114%

Limits: 50-147%

11/23/05 11:10

Matrix Spike (5K22048-MS1)

QC Source: B5K0134-13RE1

Extracted: 11/22/05 13:01

Acenaphthene	EPA 8270-SIM	1.04	---	0.0138	mg/kg dry	1x	0.105	0.920	102%	(67-132)	--	--	11/23/05 11:40	
Acenaphthylene	"	0.912	---	0.0138	"	"	0.0312	"	95.7%	(65-142)	--	--	"	
Anthracene	"	0.904	---	0.0138	"	"	ND	"	98.3%	(66-158)	--	--	"	
Benzo (a) anthracene	"	0.795	---	0.0138	"	"	0.00369	"	86.0%	(41-156)	--	--	"	
Benzo (a) pyrene	"	0.801	---	0.0138	"	"	ND	"	87.1%	(52-148)	--	--	"	
Benzo (b) fluoranthene	"	0.892	---	0.0138	"	"	ND	"	97.0%	(53-151)	--	--	"	
Benzo (k) fluoranthene	"	0.869	---	0.0138	"	"	ND	"	94.5%	(46-161)	--	--	"	
Benzo (ghi) perylene	"	0.691	---	0.0138	"	"	ND	"	75.1%	(26-154)	--	--	"	
Chrysene	"	0.792	---	0.0138	"	"	0.00693	"	85.3%	(55-155)	--	--	"	
Dibenz (a,h) anthracene	"	0.752	---	0.0138	"	"	0.00194	"	81.5%	(27-157)	--	--	"	
Fluoranthene	"	0.925	---	0.0138	"	"	0.0640	"	93.6%	(46-172)	--	--	"	
Fluorene	"	1.37	---	0.0138	"	"	0.316	"	115%	(66-143)	--	--	"	
Indeno (1,2,3-cd) pyrene	"	0.716	---	0.0138	"	"	0.00434	"	77.4%	(24-159)	--	--	"	
1-Methylnaphthalene	"	5.70	---	0.0138	"	"	4.75	"	103%	(39-140)	--	--	"	E
2-Methylnaphthalene	"	9.93	---	0.0138	"	"	8.72	"	132%	(32-139)	--	--	"	E
Naphthalene	"	1.62	---	0.0138	"	"	0.739	"	95.8%	(38-134)	--	--	"	
Phenanthrene	"	0.968	---	0.0138	"	"	0.232	"	80.0%	(63-139)	--	--	"	
Pyrene	"	0.926	---	0.0138	"	"	0.0237	"	98.1%	(51-172)	--	--	"	

Surrogate(s): *p-Terphenyl-d14*

Recovery: 112%

Limits: 50-147%

11/23/05 11:40

TestAmerica - Seattle, WA

Kate Dunning

Kate Hancy, Project Manager

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Kennedy/Jenks Consultants	Project Name: BNSF-Harborview Park	Report Created:
32001 32nd Ave S Ste 100	Project Number: 0496017.01	11/28/05 16:08
Federal Way, WA/USA 98001	Project Manager: Ross Dunning	

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM - Laboratory Quality Control Results
TestAmerica - Seattle, WA

QC Batch: 5K22048	Soil Preparation Method: EPA 3550B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Matrix Spike Dup (5K22048-MSD1)		QC Source: BSK0134-I3RE1		Extracted: 11/22/05 13:01										
Acenaphthene	EPA 8270-SIM	1.07	---	0.0141	mg/kg dry	1x	0.105	0.939	103%	(67-132)	2.84%	(50)	11/23/05 12:11	
Acenaphthylene	"	0.940	---	0.0141	"	"	0.0312	"	96.8%	(65-142)	3.02%	"	"	
Anthracene	"	0.977	---	0.0141	"	"	ND	"	104%	(66-158)	7.76%	"	"	
Benzo (a) anthracene	"	0.831	---	0.0141	"	"	0.00369	"	88.1%	(41-156)	4.43%	"	"	
Benzo (a) pyrene	"	0.859	---	0.0141	"	"	ND	"	91.5%	(52-148)	6.99%	"	"	
Benzo (b) fluoranthene	"	0.950	---	0.0141	"	"	ND	"	101%	(53-151)	6.30%	"	"	
Benzo (k) fluoranthene	"	0.917	---	0.0141	"	"	ND	"	97.7%	(46-161)	5.38%	"	"	
Benzo (ghi) perylene	"	0.717	---	0.0141	"	"	ND	"	76.4%	(26-154)	3.69%	"	"	
Chrysene	"	0.836	---	0.0141	"	"	0.00693	"	88.3%	(55-155)	5.41%	(44)	"	
Dibenz (a,h) anthracene	"	0.784	---	0.0141	"	"	0.00194	"	83.3%	(27-157)	4.17%	(50)	"	
Fluoranthene	"	1.00	---	0.0141	"	"	0.0640	"	99.7%	(46-172)	7.79%	"	"	
Fluorene	"	1.43	---	0.0141	"	"	0.316	"	119%	(66-143)	4.29%	(52)	"	
Indeno (1,2,3-cd) pyrene	"	0.745	---	0.0141	"	"	0.00434	"	78.9%	(24-159)	3.97%	(43)	"	
1-Methylnaphthalene	"	6.01	---	0.0141	"	"	4.75	"	134%	(39-140)	5.29%	(50)	"	E
2-Methylnaphthalene	"	10.4	---	0.0141	"	"	8.72	"	179%	(32-139)	4.62%	"	"	E, Q-03
Naphthalene	"	1.58	---	0.0141	"	"	0.739	"	89.6%	(38-134)	2.50%	"	"	
Phenanthrene	"	1.04	---	0.0141	"	"	0.232	"	86.0%	(63-139)	7.17%	"	"	
Pyrene	"	0.975	---	0.0141	"	"	0.0237	"	101%	(51-172)	5.16%	"	"	

Surrogate(s): p-Terphenyl-d14

Recovery: 115%

Limits: 50-147% "

11/23/05 12:11

TestAmerica - Seattle, WA

Kate Haney

Kate Haney, Project Manager

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Kennedy/Jenks Consultants	Project Name: BNSF-Harborview Park	
32001 32nd Ave S Ste 100	Project Number: 0496017.01	Report Created:
Federal Way, WA/USA 98001	Project Manager: Ross Dunning	11/28/05 16:08

Physical Parameters by APHA/ASTM/EPA Methods - Laboratory Quality Control Results
TestAmerica - Seattle, WA

QC Batch: 5K22039	Soil Preparation Method: Dry Weight

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes

Blank (5K22039-BLK1)

Extracted: 11/22/05 10:35

Dry Weight	BSOPSPL00 3R08	100	---	1.00	%	1x	--	--	--	--	--	--	11/23/05 00:00	

TestAmerica - Seattle, WA

Kate Hancy

Kate Hancy, Project Manager

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Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project Name: **BNSF-Harborview Park**

Project Number: 0496017.01

Project Manager: Ross Dunning

Report Created:

11/28/05 16:08

Notes and Definitions

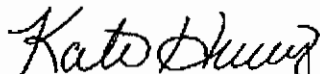
Report Specific Notes:

- E - Estimated value. The reported value exceeds the calibration range of the analysis.
- Q-03 - The percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte already present in the sample.

Laboratory Reporting Conventions:

- DET - Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only.
- ND - Analyte NOT DETECTED at or above the reporting limit (MDL or MRL, as appropriate).
- NR/NA - Not Reported / Not Available
- dry - Sample results reported on a Dry Weight Basis. Results and Reporting Limits have been corrected for Percent Dry Weight.
- wet - Sample results and reporting limits reported on a Wet Weight Basis (as received). Results with neither 'wet' nor 'dry' are reported on a Wet Weight Basis.
- RPD - RELATIVE PERCENT DIFFERENCE (RPDs calculated using Results, not Percent Recoveries).
- MRL - METHOD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.
- MDL* - METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B. *MDLs are listed on the report only if the data has been evaluated below the MRL. Results between the MDL and MRL are reported as Estimated Results.
- Dil - Dilutions are calculated based on deviations from the standard dilution performed for an analysis, and may not represent the dilution found on the analytical raw data.
- Reporting Limits - Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and percent solids, where applicable.
- Electronic Signature - Electronic Signature added in accordance with TestAmerica's *Electronic Reporting and Electronic Signatures Policy*. Application of electronic signature indicates that the report has been reviewed and approved for release by the laboratory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

TestAmerica - Seattle, WA



Kate Haney, Project Manager

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Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
425.420.9200 fax 425.420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

01 December 2005

Ross Dunning
Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001
RE: BNSF-Harborview Park

Enclosed are the results of analyses for samples received by the laboratory on 11/29/05 15:50. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kate Haney
Project Manager



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
12/01/05 16:44

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
H-2-7.0	B5K0525-01	Soil	11/29/05 07:30	11/29/05 15:50

North Creek Analytical - Bothell

Kate Haney, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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Environmental Laboratory Network



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425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
12/01/05 16:44

Semivolatile Petroleum Products by NWTPH-Dx with Acid/Silica Gel Clean-up
North Creek Analytical - Bothell

Analyte	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit							
H-2-7.0 (B5K0525-01) Soil Sampled: 11/29/05 07:30 Received: 11/29/05 15:50									
Diesel Range Hydrocarbons	28.7	10.8	mg/kg dry	1	5K29034	11/29/05	11/30/05	NWTPH-Dx	D-06
Lube Oil Range Hydrocarbons	ND	27.0	"	"	"	"	"	"	D-06
Surrogate: 2-FBP	69.1 %	50-150			"	"	"	"	
Surrogate: Octacosane	88.8 %	50-150			"	"	"	"	

North Creek Analytical - Bothell

Kate Haney, Project Manager

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 425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
 509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
 32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
 Project Number: 0496017.01
 Project Manager: Ross Dunning

Reported:
 12/01/05 16:44

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
H-2-7.0 (B5K0525-01) Soil Sampled: 11/29/05 07:30 Received: 11/29/05 15:50									
Acenaphthene	0.100	0.0109	mg/kg dry	I	5K29035	11/29/05	11/30/05	EPA 8270-SIM	
Acenaphthylene	0.0227	0.0109	"	"	"	"	"	"	
Anthracene	2.56	0.0109	"	"	"	"	"	"	E
Benzo (a) anthracene	0.0976	0.0109	"	"	"	"	"	"	
Benzo (a) pyrene	0.122	0.0109	"	"	"	"	"	"	
Benzo (b) fluoranthene	0.178	0.0109	"	"	"	"	"	"	
Benzo (k) fluoranthene	0.134	0.0109	"	"	"	"	"	"	
Benzo (ghi) perylene	0.0265	0.0109	"	"	"	"	"	"	
Chrysene	0.214	0.0109	"	"	"	"	"	"	
Dibenz (a,h) anthracene	0.0132	0.0109	"	"	"	"	"	"	
Fluoranthene	0.765	0.0109	"	"	"	"	"	"	
Fluorene	0.262	0.0109	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.0319	0.0109	"	"	"	"	"	"	
1-Methylnaphthalene	0.0195	0.0109	"	"	"	"	"	"	
2-Methylnaphthalene	0.0656	0.0109	"	"	"	"	"	"	
Naphthalene	0.133	0.0109	"	"	"	"	"	"	
Phenanthrene	0.467	0.0109	"	"	"	"	"	"	
Pyrene	0.533	0.0109	"	"	"	"	"	"	
Surrogate: p-Terphenyl-d14	95.1 %	50-147			"	"	"	"	
H-2-7.0 (B5K0525-01RE1) Soil Sampled: 11/29/05 07:30 Received: 11/29/05 15:50									
Anthracene	2.07	0.109	mg/kg dry	10	5K29035	11/29/05	11/30/05	EPA 8270-SIM	
Surrogate: p-Terphenyl-d14	146 %	50-147			"	"	"	"	

North Creek Analytical - Bothell

Kate Haney

Kate Haney, Project Manager

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Page 3 of 11



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425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
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Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
12/01/05 16:44

Physical Parameters by APHA/ASTM/EPA Methods
North Creek Analytical - Bothell

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
H-2-7.0 (B5K0525-01) Soil Sampled: 11/29/05 07:30 Received: 11/29/05 15:50									
Dry Weight	91.5	1.00	%	1	5K29036	11/29/05	11/30/05	BSOPSP003R08	

North Creek Analytical - Bothell

Kate Haney, Project Manager

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Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
12/01/05 16:44

Semivolatile Petroleum Products by NWTPH-Dx with Acid/Silica Gel Clean-up - Quality Control
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5K29034: Prepared 11/29/05 Using EPA 3550B										
Blank (5K29034-BLK1)										
Diesel Range Hydrocarbons	ND	10.0	mg/kg							
Lube Oil Range Hydrocarbons	ND	25.0	"							
Surrogate: 2-FBP	7.14		"	8.33		85.7	50-150			
Surrogate: Octacosane	8.24		"	8.33		98.9	50-150			
LCS (5K29034-BS1)										
Diesel Range Hydrocarbons	65.2	10.0	mg/kg	66.7		97.8	61-120			
Surrogate: 2-FBP	6.62		"	8.33		79.5	50-150			
LCS Dup (5K29034-BSD1)										
Diesel Range Hydrocarbons	65.8	10.0	mg/kg	66.7		98.7	61-120	0.916	40	
Surrogate: 2-FBP	6.84		"	8.33		82.1	50-150			
Duplicate (5K29034-DUP1)										
Source: B5K0454-01										
Diesel Range Hydrocarbons	ND	10.8	mg/kg dry		ND			NA	50	
Lube Oil Range Hydrocarbons	ND	26.9	"		ND			NA	50	
Surrogate: 2-FBP	7.65		"	8.97		85.3	50-150			
Surrogate: Octacosane	8.56		"	8.97		95.4	50-150			

North Creek Analytical - Bothell

Kate Haney, Project Manager

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Environmental Laboratory Network



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 425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
 509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
 32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
 Project Number: 0496017.01
 Project Manager: Ross Dunning

Reported:
 12/01/05 16:44

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM - Quality Control
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch 5K29035: Prepared 11/29/05 Using EPA 3550B

Blank (5K29035-BLK1)

Acenaphthene	ND	0.0100	mg/kg							
Acenaphthylene	ND	0.0100	"							
Anthracene	ND	0.0100	"							
Benzo (a) anthracene	ND	0.0100	"							
Benzo (a) pyrene	ND	0.0100	"							
Benzo (b) fluoranthene	ND	0.0100	"							
Benzo (k) fluoranthene	ND	0.0100	"							
Benzo (b & k) fluoranthene	ND	0.0200	"							
Benzo (ghi) perylene	ND	0.0100	"							
Chrysene	ND	0.0100	"							
Dibenz (a,h) anthracene	ND	0.0100	"							
Fluoranthene	ND	0.0100	"							
Fluorene	ND	0.0100	"							
Indeno (1,2,3-cd) pyrene	ND	0.0100	"							
1-Methylnaphthalene	ND	0.0100	"							
2-Methylnaphthalene	ND	0.0100	"							
Naphthalene	ND	0.0100	"							
Phenanthrene	ND	0.0100	"							
Pyrene	ND	0.0100	"							
Surrogate: p-Terphenyl-d14	1.79		"	1.67		107	50-147			

LCS (5K29035-BS1)

Acenaphthene	0.614	0.0100	mg/kg	0.667		92.1	70-125			
Acenaphthylene	0.653	0.0100	"	0.667		97.9	70-133			
Anthracene	0.702	0.0100	"	0.667		105	70-152			
Benzo (a) anthracene	0.560	0.0100	"	0.667		84.0	60-125			
Benzo (a) pyrene	0.602	0.0100	"	0.667		90.3	64-134			
Benzo (b) fluoranthene	0.691	0.0100	"	0.667		104	62-147			
Benzo (k) fluoranthene	0.627	0.0100	"	0.667		94.0	60-144			
Benzo (ghi) perylene	0.519	0.0100	"	0.667		77.8	57-137			
Chrysene	0.644	0.0100	"	0.667		96.6	70-139			
Dibenz (a,h) anthracene	0.546	0.0100	"	0.667		81.9	56-140			
Fluoranthene	0.681	0.0100	"	0.667		102	70-141			
Fluorene	0.645	0.0100	"	0.667		96.7	76-132			
Indeno (1,2,3-cd) pyrene	0.546	0.0100	"	0.667		81.9	55-138			

North Creek Analytical - Bothell

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Kate Haney, Project Manager

North Creek Analytical, Inc.
 Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
12/01/05 16:44

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM - Quality Control
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5K29035: Prepared 11/29/05 Using EPA 3550B										
LCS (5K29035-BS1)										
1-Methylnaphthalene	0.594	0.0100	mg/kg	0.667		89.1	46-128			
2-Methylnaphthalene	0.580	0.0100	"	0.667		87.0	41-125			
Naphthalene	0.571	0.0100	"	0.667		85.6	43-125			
Phenanthrene	0.610	0.0100	"	0.667		91.5	73-125			
Pyrene	0.630	0.0100	"	0.667		94.5	68-140			
Surrogate: p-Terphenyl-d14	1.63		"	1.67		97.6	50-147			
LCS Dup (5K29035-BSD1)										
Acenaphthene	0.686	0.0100	mg/kg	0.667		103	70-125	11.1	40	
Acenaphthylene	0.733	0.0100	"	0.667		110	70-133	11.5	40	
Anthracene	0.807	0.0100	"	0.667		121	70-152	13.9	40	
Benzo (a) anthracene	0.636	0.0100	"	0.667		95.4	60-125	12.7	40	
Benzo (a) pyrene	0.684	0.0100	"	0.667		103	64-134	12.8	26	
Benzo (b) fluoranthene	0.764	0.0100	"	0.667		115	62-147	10.0	40	
Benzo (k) fluoranthene	0.719	0.0100	"	0.667		108	60-144	13.7	40	
Benzo (ghi) perylene	0.601	0.0100	"	0.667		90.1	57-137	14.6	40	
Chrysene	0.731	0.0100	"	0.667		110	70-139	12.7	24	
Dibenz (a,h) anthracene	0.632	0.0100	"	0.667		94.8	56-140	14.6	40	
Fluoranthene	0.764	0.0100	"	0.667		115	70-141	11.5	40	
Fluorene	0.725	0.0100	"	0.667		109	76-132	11.7	43	
Indeno (1,2,3-cd) pyrene	0.561	0.0100	"	0.667		84.1	55-138	2.71	39	
1-Methylnaphthalene	0.590	0.0100	"	0.667		88.5	46-128	0.676	40	
2-Methylnaphthalene	0.606	0.0100	"	0.667		90.9	41-125	4.38	40	
Naphthalene	0.638	0.0100	"	0.667		95.7	43-125	11.1	40	
Phenanthrene	0.687	0.0100	"	0.667		103	73-125	11.9	40	
Pyrene	0.719	0.0100	"	0.667		108	68-140	13.2	40	
Surrogate: p-Terphenyl-d14	1.62		"	1.67		97.0	50-147			

North Creek Analytical - Bothell

Kate Haney, Project Manager

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425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.924.9290
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907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
12/01/05 16:44

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM - Quality Control
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch 5K29035: Prepared 11/29/05 Using EPA 3550B

Matrix Spike (5K29035-MS1)

Source: B5K0353-08

Acenaphthene	0.741	0.0119	mg/kg dry	0.792	ND	93.6	67-132			
Acenaphthylene	0.792	0.0119	"	0.792	0.00143	99.8	65-142			
Anthracene	0.868	0.0119	"	0.792	0.00374	109	66-158			
Benzo (a) anthracene	0.705	0.0119	"	0.792	0.00389	88.5	41-156			
Benzo (a) pyrene	0.762	0.0119	"	0.792	ND	96.2	52-148			
Benzo (b) fluoranthene	0.833	0.0119	"	0.792	ND	105	53-151			
Benzo (k) fluoranthene	0.797	0.0119	"	0.792	ND	101	46-161			
Benzo (ghi) perylene	0.668	0.0119	"	0.792	ND	84.3	26-154			
Chrysene	0.811	0.0119	"	0.792	0.00207	102	55-155			
Dibenz (a,h) anthracene	0.714	0.0119	"	0.792	ND	90.2	27-157			
Fluoranthene	0.827	0.0119	"	0.792	0.00278	104	46-172			
Fluorene	0.793	0.0119	"	0.792	0.00890	99.0	66-143			
Indeno (1,2,3-cd) pyrene	0.701	0.0119	"	0.792	ND	88.5	24-159			
1-Methylnaphthalene	0.979	0.0119	"	0.792	0.334	81.4	39-140			
2-Methylnaphthalene	1.34	0.0119	"	0.792	0.762	73.0	32-139			
Naphthalene	0.760	0.0119	"	0.792	0.125	80.2	38-134			
Phenanthrene	0.748	0.0119	"	0.792	0.00731	93.5	63-139			
Pyrene	0.784	0.0119	"	0.792	0.00477	98.4	51-172			
Surrogate: p-Terphenyl-d14	1.80		"	1.98		90.9	50-147			

Matrix Spike Dup (5K29035-MSD1)

Source: B5K0353-08

Acenaphthene	0.734	0.0119	mg/kg dry	0.792	ND	92.7	67-132	0.949	50	
Acenaphthylene	0.790	0.0119	"	0.792	0.00143	99.6	65-142	0.253	50	
Anthracene	0.859	0.0119	"	0.792	0.00374	108	66-158	1.04	50	
Benzo (a) anthracene	0.689	0.0119	"	0.792	0.00389	86.5	41-156	2.30	50	
Benzo (a) pyrene	0.706	0.0119	"	0.792	ND	89.1	52-148	7.63	50	
Benzo (b) fluoranthene	1.05	0.0119	"	0.792	ND	133	53-151	23.0	50	
Benzo (k) fluoranthene	1.17	0.0119	"	0.792	ND	148	46-161	37.9	50	
Benzo (ghi) perylene	0.648	0.0119	"	0.792	ND	81.8	26-154	3.04	50	
Chrysene	0.776	0.0119	"	0.792	0.00207	97.7	55-155	4.41	44	
Dibenz (a,h) anthracene	0.594	0.0119	"	0.792	ND	75.0	27-157	18.3	50	
Fluoranthene	0.824	0.0119	"	0.792	0.00278	104	46-172	0.363	50	
Fluorene	0.780	0.0119	"	0.792	0.00890	97.4	66-143	1.65	52	
Indeno (1,2,3-cd) pyrene	0.602	0.0119	"	0.792	ND	76.0	24-159	15.2	43	
1-Methylnaphthalene	1.21	0.0119	"	0.792	0.334	111	39-140	21.1	50	

North Creek Analytical - Bothell

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Kate Haney, Project Manager

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Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
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Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
12/01/05 16:44

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM - Quality Control
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5K29035: Prepared 11/29/05 Using EPA 3550B										
Matrix Spike Dup (5K29035-MSD1)					Source: B5K0353-08					
2-Methylnaphthalene	1.99	0.0119	mg/kg dry	0.792	0.762	155	32-139	39.0	50	Q-02, E
Naphthalene	0.889	0.0119	"	0.792	0.125	96.5	38-134	15.6	50	
Phenanthrene	0.740	0.0119	"	0.792	0.00731	92.5	63-139	1.08	50	
Pyrene	0.770	0.0119	"	0.792	0.00477	96.6	51-172	1.80	50	
Surrogate: p-Terphenyl-d14	1.74		"	1.98		87.9	50-147			

North Creek Analytical - Bothell

Kate Haney, Project Manager

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Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
12/01/05 16:44

Physical Parameters by APHA/ASTM/EPA Methods - Quality Control

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes

Batch 5K29036: Prepared 11/29/05 Using Dry Weight

Blank (5K29036-BLK1)

Dry Weight	99.8	1.00	%

North Creek Analytical - Bothell

Kate Haney, Project Manager

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425.420.9200 fax 425.420.9210
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509.924.9200 fax 509.924.9290
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Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
12/01/05 16:44

Notes and Definitions

D-06 The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

E Estimated value. The reported value exceeds the calibration range of the analysis.

Q-02 The spike recovery for this QC sample is outside of NCA established control limits due to sample matrix interference.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

North Creek Analytical - Bothell

Kate Haney, Project Manager

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North Creek Analytical, Inc.
Environmental Laboratory Network

November 27, 2007

Ross Dunning
Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

RE: BNSF-Harborview Park

Enclosed are the results of analyses for samples received by the laboratory on 12/05/05 16:40.
The following list is a summary of the Work Orders contained in this report, generated on 12/07/05 17:30.

If you have any questions concerning this report, please feel free to contact me.

<u>Work Order</u>	<u>Project</u>	<u>ProjectNumber</u>
B5L0068	BNSF-Harborview Park	0496017.01

TestAmerica - Seattle, WA



Kate Haney, Project Manager

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Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project Name: **BNSF-Harborview Park**

Project Number: 0496017.01

Project Manager: Ross Dunning

Report Created:

12/07/05 17:30

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
T.P.-12-7.5	B5L0068-01	Soil	12/02/05 08:30	12/05/05 16:40
T.P.-13-3.5	B5L0068-02	Soil	12/02/05 11:30	12/05/05 16:40
E-2-2.5	B5L0068-03	Soil	12/02/05 12:00	12/05/05 16:40
F-2-6.0	B5L0068-04	Soil	12/02/05 13:20	12/05/05 16:40
T.P.-14-3.0	B5L0068-05	Soil	12/05/05 08:20	12/05/05 16:40
B-2.5-2.5	B5L0068-06	Soil	12/05/05 08:30	12/05/05 16:40
B-3.25-2.5	B5L0068-07	Soil	12/05/05 09:20	12/05/05 16:40
B-4-3.0	B5L0068-08	Soil	12/05/05 09:30	12/05/05 16:40
C-5-2.5	B5L0068-09	Soil	12/05/05 09:40	12/05/05 16:40

TestAmerica - Seattle, WA

Kate Haney

Kate Haney, Project Manager

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Kennedy/Jenks Consultants	Project Name: BNSF-Harborview Park	Report Created:
32001 32nd Ave S Ste 100	Project Number: 0496017.01	12/07/05 17:30
Federal Way, WA/USA 98001	Project Manager: Ross Dunning	

Semivolatile Petroleum Products by NWTPH-Dx with Acid/Silica Gel Clean-up
TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
B5L0068-01 (T.P.-12-7.5)		Soil							Sampled: 12/02/05 08:30	
Diesel Range Hydrocarbons	NWTPH-Dx	ND	----	11.9	mg/kg dry	1x	5L06048	12/06/05 12:52	12/07/05 05:05	
Lube Oil Range Hydrocarbons	"	ND	----	29.8	"	"	"	"	"	
Surrogate(s): 2-FBP		79.0%		50 - 150 %	"				"	
Octacosane		98.4%		50 - 150 %	"				"	
B5L0068-02 (T.P.-13-3.5)		Soil							Sampled: 12/02/05 11:30	
Diesel Range Hydrocarbons	NWTPH-Dx	ND	----	11.8	mg/kg dry	1x	5L06048	12/06/05 12:52	12/07/05 02:00	
Lube Oil Range Hydrocarbons	"	ND	----	29.6	"	"	"	"	"	
Surrogate(s): 2-FBP		82.4%		50 - 150 %	"				"	
Octacosane		101%		50 - 150 %	"				"	
B5L0068-03 (E-2-2.5)		Soil							Sampled: 12/02/05 12:00	
Diesel Range Hydrocarbons	NWTPH-Dx	ND	----	11.4	mg/kg dry	1x	5L06048	12/06/05 12:52	12/07/05 05:35	
Lube Oil Range Hydrocarbons	"	ND	----	28.4	"	"	"	"	"	
Surrogate(s): 2-FBP		76.1%		50 - 150 %	"				"	
Octacosane		98.3%		50 - 150 %	"				"	
B5L0068-04 (F-2-6.0)		Soil							Sampled: 12/02/05 13:20	
Diesel Range Hydrocarbons	NWTPH-Dx	ND	----	12.1	mg/kg dry	1x	5L06048	12/06/05 12:52	12/07/05 05:50	
Lube Oil Range Hydrocarbons	"	ND	----	30.3	"	"	"	"	"	
Surrogate(s): 2-FBP		87.1%		50 - 150 %	"				"	
Octacosane		101%		50 - 150 %	"				"	
B5L0068-05 (T.P.-14-3.0)		Soil							Sampled: 12/05/05 08:20	
Diesel Range Hydrocarbons	NWTPH-Dx	ND	----	12.3	mg/kg dry	1x	5L06048	12/06/05 12:52	12/07/05 06:05	
Lube Oil Range Hydrocarbons	"	ND	----	30.8	"	"	"	"	"	
Surrogate(s): 2-FBP		83.0%		50 - 150 %	"				"	
Octacosane		97.1%		50 - 150 %	"				"	
B5L0068-06 (B-2.5-2.5)		Soil							Sampled: 12/05/05 08:30	
Diesel Range Hydrocarbons	NWTPH-Dx	ND	----	13.3	mg/kg dry	1x	5L06048	12/06/05 12:52	12/07/05 06:34	
Lube Oil Range Hydrocarbons	"	ND	----	33.3	"	"	"	"	"	
Surrogate(s): 2-FBP		75.9%		50 - 150 %	"				"	
Octacosane		92.8%		50 - 150 %	"				"	

TestAmerica - Seattle, WA

Kate Hancy

Kate Hancy, Project Manager

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Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project Name: **BNSF-Harborview Park**

Project Number: 0496017.01

Project Manager: Ross Dunning

Report Created:

12/07/05 17:30

Semivolatile Petroleum Products by NWTPH-Dx with Acid/Silica Gel Clean-up

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
B5L0068-07 (B-3.25-2.5)		Soil		Sampled: 12/05/05 09:20						
Diesel Range Hydrocarbons	NWTPH-Dx	ND	----	13.1	mg/kg dry	1x	5L06048	12/06/05 12:52	12/07/05 06:49	
Lube Oil Range Hydrocarbons	"	ND	----	32.8	"	"	"	"	"	
<i>Surrogate(s): 2-FBP</i>				82.8%	50 - 150 %	"			"	
<i>Octacosane</i>				97.2%	50 - 150 %	"			"	
B5L0068-08 (B-4-3.0)		Soil		Sampled: 12/05/05 09:30						
Diesel Range Hydrocarbons	NWTPH-Dx	ND	----	13.6	mg/kg dry	1x	5L06048	12/06/05 12:52	12/07/05 07:18	
Lube Oil Range Hydrocarbons	"	ND	----	34.0	"	"	"	"	"	
<i>Surrogate(s): 2-FBP</i>				82.2%	50 - 150 %	"			"	
<i>Octacosane</i>				99.1%	50 - 150 %	"			"	
B5L0068-09 (C-5-2.5)		Soil		Sampled: 12/05/05 09:40						
Diesel Range Hydrocarbons	NWTPH-Dx	ND	----	13.1	mg/kg dry	1x	5L06048	12/06/05 12:52	12/07/05 07:33	
Lube Oil Range Hydrocarbons	"	ND	----	32.8	"	"	"	"	"	
<i>Surrogate(s): 2-FBP</i>				78.7%	50 - 150 %	"			"	
<i>Octacosane</i>				96.3%	50 - 150 %	"			"	

TestAmerica - Seattle, WA

Kate Haney

Kate Haney, Project Manager

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Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project Name: **BNSF-Harborview Park**

Project Number: **0496017.01**

Project Manager: **Ross Dunning**

Report Created:

12/07/05 17:30

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
B5L0068-01 (T.P.-12-7.5)		Soil		Sampled: 12/02/05 08:30						
Accenaphthene	EPA 8270-SIM	ND	----	0.0118	mg/kg dry	1x	5L06049	12/06/05 12:54	12/07/05 11:22	
Accenaphthylene	"	ND	----	0.0118	"	"	"	"	"	
Anthracene	"	0.0471	----	0.0118	"	"	"	"	"	
Benzo (a) anthracene	"	0.0125	----	0.0118	"	"	"	"	"	
Benzo (a) pyrene	"	ND	----	0.0118	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	----	0.0118	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	----	0.0118	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	----	0.0118	"	"	"	"	"	
Chrysene	"	ND	----	0.0118	"	"	"	"	"	
Dibenz (a,h) anthracene	"	ND	----	0.0118	"	"	"	"	"	
Fluoranthene	"	0.0492	----	0.0118	"	"	"	"	"	
Fluorene	"	0.0246	----	0.0118	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	----	0.0118	"	"	"	"	"	
1-Methylnaphthalene	"	ND	----	0.0118	"	"	"	"	"	
2-Methylnaphthalene	"	ND	----	0.0118	"	"	"	"	"	
Naphthalene	"	ND	----	0.0118	"	"	"	"	"	
Phenanthrene	"	0.0808	----	0.0118	"	"	"	"	"	
Pyrene	"	0.0309	----	0.0118	"	"	"	"	"	
Surrogate(s): <i>p-Terphenyl-d14</i>		112%		50 - 147 %						

B5L0068-02 (T.P.-13-3.5)		Soil		Sampled: 12/02/05 11:30						
Accenaphthene	EPA 8270-SIM	ND	----	0.0120	mg/kg dry	1x	5L06049	12/06/05 12:54	12/07/05 11:51	
Accenaphthylene	"	ND	----	0.0120	"	"	"	"	"	
Anthracene	"	ND	----	0.0120	"	"	"	"	"	
Benzo (a) anthracene	"	ND	----	0.0120	"	"	"	"	"	
Benzo (a) pyrene	"	ND	----	0.0120	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	----	0.0120	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	----	0.0120	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	----	0.0120	"	"	"	"	"	
Chrysene	"	ND	----	0.0120	"	"	"	"	"	
Dibenz (a,h) anthracene	"	ND	----	0.0120	"	"	"	"	"	
Fluoranthene	"	ND	----	0.0120	"	"	"	"	"	
Fluorene	"	ND	----	0.0120	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	----	0.0120	"	"	"	"	"	
1-Methylnaphthalene	"	ND	----	0.0120	"	"	"	"	"	
2-Methylnaphthalene	"	ND	----	0.0120	"	"	"	"	"	
Naphthalene	"	ND	----	0.0120	"	"	"	"	"	
Phenanthrene	"	ND	----	0.0120	"	"	"	"	"	
Pyrene	"	ND	----	0.0120	"	"	"	"	"	
Surrogate(s): <i>p-Terphenyl-d14</i>		111%		50 - 147 %						

TestAmerica - Seattle, WA

Kate Haney

Kate Haney, Project Manager

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Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project Name: **BNSF-Harborview Park**

Project Number: 0496017.01

Project Manager: Ross Dunning

Report Created:

12/07/05 17:30

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BSL0068-03 (E-2-2.5)		Soil							Sampled: 12/02/05 12:00	
Acenaphthene	EPA 8270-SIM	ND	----	0.0114	mg/kg dry	1x	5L06049	12/06/05 12:54	12/07/05 12:21	
Acenaphthylene	"	ND	----	0.0114	"	"	"	"	"	
Anthracene	"	ND	----	0.0114	"	"	"	"	"	
Benzo (a) anthracene	"	ND	----	0.0114	"	"	"	"	"	
Benzo (a) pyrene	"	ND	----	0.0114	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	----	0.0114	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	----	0.0114	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	----	0.0114	"	"	"	"	"	
Chrysene	"	ND	----	0.0114	"	"	"	"	"	
Dibenz (a,h) anthracene	"	ND	----	0.0114	"	"	"	"	"	
Fluoranthene	"	ND	----	0.0114	"	"	"	"	"	
Fluorene	"	ND	----	0.0114	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	----	0.0114	"	"	"	"	"	
1-Methylnaphthalene	"	ND	----	0.0114	"	"	"	"	"	
2-Methylnaphthalene	"	ND	----	0.0114	"	"	"	"	"	
Naphthalene	"	ND	----	0.0114	"	"	"	"	"	
Phenanthrene	"	ND	----	0.0114	"	"	"	"	"	
Pyrene	"	ND	----	0.0114	"	"	"	"	"	
Surrogate(s): p-Terphenyl-d14		99.5%		50 - 147 %	"					

BSL0068-04 (F-2-6.0)		Soil							Sampled: 12/02/05 13:20	
Acenaphthene	EPA 8270-SIM	ND	----	0.0123	mg/kg dry	1x	5L06049	12/06/05 12:54	12/07/05 12:51	
Acenaphthylene	"	ND	----	0.0123	"	"	"	"	"	
Anthracene	"	ND	----	0.0123	"	"	"	"	"	
Benzo (a) anthracene	"	ND	----	0.0123	"	"	"	"	"	
Benzo (a) pyrene	"	ND	----	0.0123	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	----	0.0123	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	----	0.0123	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	----	0.0123	"	"	"	"	"	
Chrysene	"	ND	----	0.0123	"	"	"	"	"	
Dibenz (a,h) anthracene	"	ND	----	0.0123	"	"	"	"	"	
Fluoranthene	"	ND	----	0.0123	"	"	"	"	"	
Fluorene	"	ND	----	0.0123	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	----	0.0123	"	"	"	"	"	
1-Methylnaphthalene	"	ND	----	0.0123	"	"	"	"	"	
2-Methylnaphthalene	"	ND	----	0.0123	"	"	"	"	"	
Naphthalene	"	ND	----	0.0123	"	"	"	"	"	
Phenanthrene	"	ND	----	0.0123	"	"	"	"	"	
Pyrene	"	ND	----	0.0123	"	"	"	"	"	
Surrogate(s): p-Terphenyl-d14		110%		50 - 147 %	"					

TestAmerica - Seattle, WA

Kate Haney

Kate Haney, Project Manager

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Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project Name: **BNSF-Harborview Park**

Project Number: **0496017.01**

Project Manager: **Ross Dunning**

Report Created:

12/07/05 17:30

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
B5L0068-05 (T.P.-14-3.0)		Soil							Sampled: 12/05/05 08:20	
Acenaphthene	EPA 8270-SIM	ND	----	0.0124	mg/kg dry	1x	5L06049	12/06/05 12:54	12/07/05 13:21	
Acenaphthylene	"	ND	----	0.0124	"	"	"	"	"	
Anthracene	"	ND	----	0.0124	"	"	"	"	"	
Benzo (a) anthracene	"	ND	----	0.0124	"	"	"	"	"	
Benzo (a) pyrene	"	ND	----	0.0124	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	----	0.0124	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	----	0.0124	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	----	0.0124	"	"	"	"	"	
Chrysene	"	ND	----	0.0124	"	"	"	"	"	
Dibenz (a,h) anthracene	"	ND	----	0.0124	"	"	"	"	"	
Fluoranthene	"	ND	----	0.0124	"	"	"	"	"	
Fluorene	"	ND	----	0.0124	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	----	0.0124	"	"	"	"	"	
1-Methylnaphthalene	"	ND	----	0.0124	"	"	"	"	"	
2-Methylnaphthalene	"	ND	----	0.0124	"	"	"	"	"	
Naphthalene	"	ND	----	0.0124	"	"	"	"	"	
Phenanthrene	"	ND	----	0.0124	"	"	"	"	"	
Pyrene	"	ND	----	0.0124	"	"	"	"	"	
Surrogate(s): p-Terphenyl-d14		118%		50 - 147 %	"					

B5L0068-06 (B-2.5-2.5)		Soil							Sampled: 12/05/05 08:30	
Acenaphthene	EPA 8270-SIM	ND	----	0.0131	mg/kg dry	1x	5L06049	12/06/05 12:54	12/07/05 13:50	
Acenaphthylene	"	ND	----	0.0131	"	"	"	"	"	
Anthracene	"	0.0238	----	0.0131	"	"	"	"	"	
Benzo (a) anthracene	"	ND	----	0.0131	"	"	"	"	"	
Benzo (a) pyrene	"	ND	----	0.0131	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	----	0.0131	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	----	0.0131	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	----	0.0131	"	"	"	"	"	
Chrysene	"	ND	----	0.0131	"	"	"	"	"	
Dibenz (a,h) anthracene	"	ND	----	0.0131	"	"	"	"	"	
Fluoranthene	"	ND	----	0.0131	"	"	"	"	"	
Fluorene	"	ND	----	0.0131	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	----	0.0131	"	"	"	"	"	
1-Methylnaphthalene	"	ND	----	0.0131	"	"	"	"	"	
2-Methylnaphthalene	"	ND	----	0.0131	"	"	"	"	"	
Naphthalene	"	ND	----	0.0131	"	"	"	"	"	
Phenanthrene	"	ND	----	0.0131	"	"	"	"	"	
Pyrene	"	ND	----	0.0131	"	"	"	"	"	
Surrogate(s): p-Terphenyl-d14		107%		50 - 147 %	"					

TestAmerica - Seattle, WA

Kate Dunning

Kate Haney, Project Manager

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Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project Name: **BNSF-Harborview Park**

Project Number: 0496017.01

Project Manager: Ross Dunning

Report Created:

12/07/05 17:30

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
B5L0068-07 (B-3.25-2.5)		Soil							Sampled: 12/05/05 09:20	
Acenaphthene	EPA 8270-SIM	ND	----	0.0135	mg/kg dry	1x	5L06049	12/06/05 12:54	12/07/05 14:20	
Acenaphthylene	"	ND	----	0.0135	"	"	"	"	"	
Anthracene	"	ND	----	0.0135	"	"	"	"	"	
Benzo (a) anthracene	"	ND	----	0.0135	"	"	"	"	"	
Benzo (a) pyrene	"	ND	----	0.0135	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	----	0.0135	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	----	0.0135	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	----	0.0135	"	"	"	"	"	
Chrysene	"	ND	----	0.0135	"	"	"	"	"	
Dibenz (a,h) anthracene	"	ND	----	0.0135	"	"	"	"	"	
Fluoranthene	"	ND	----	0.0135	"	"	"	"	"	
Fluorene	"	ND	----	0.0135	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	----	0.0135	"	"	"	"	"	
1-Methylnaphthalene	"	ND	----	0.0135	"	"	"	"	"	
2-Methylnaphthalene	"	ND	----	0.0135	"	"	"	"	"	
Naphthalene	"	ND	----	0.0135	"	"	"	"	"	
Phenanthrene	"	ND	----	0.0135	"	"	"	"	"	
Pyrene	"	ND	----	0.0135	"	"	"	"	"	

Surrogate(s): *p-Terphenyl-d14*

104%

50 - 147 %

"

"

B5L0068-08 (B-4-3.0)		Soil							Sampled: 12/05/05 09:30	
Acenaphthene	EPA 8270-SIM	ND	----	0.0135	mg/kg dry	1x	5L06049	12/06/05 12:54	12/07/05 14:49	
Acenaphthylene	"	ND	----	0.0135	"	"	"	"	"	
Anthracene	"	ND	----	0.0135	"	"	"	"	"	
Benzo (a) anthracene	"	ND	----	0.0135	"	"	"	"	"	
Benzo (a) pyrene	"	ND	----	0.0135	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	----	0.0135	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	----	0.0135	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	----	0.0135	"	"	"	"	"	
Chrysene	"	ND	----	0.0135	"	"	"	"	"	
Dibenz (a,h) anthracene	"	ND	----	0.0135	"	"	"	"	"	
Fluoranthene	"	ND	----	0.0135	"	"	"	"	"	
Fluorene	"	ND	----	0.0135	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	----	0.0135	"	"	"	"	"	
1-Methylnaphthalene	"	ND	----	0.0135	"	"	"	"	"	
2-Methylnaphthalene	"	ND	----	0.0135	"	"	"	"	"	
Naphthalene	"	ND	----	0.0135	"	"	"	"	"	
Phenanthrene	"	ND	----	0.0135	"	"	"	"	"	
Pyrene	"	ND	----	0.0135	"	"	"	"	"	

Surrogate(s): *p-Terphenyl-d14*

112%

50 - 147 %

"

"

TestAmerica - Seattle, WA

Kate Hancy

Kate Hancy, Project Manager

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Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project Name: **BNSF-Harborview Park**

Project Number: 0496017.01

Project Manager: Ross Dunning

Report Created:

12/07/05 17:30

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
B5L0068-09 (C-5-2.5)		Soil						Sampled: 12/05/05 09:40		
Acenaphthene	EPA 8270-SIM	ND	----	0.0131	mg/kg dry	1x	5L06049	12/06/05 12:54	12/07/05 15:19	
Acenaphthylene	"	ND	----	0.0131	"	"	"	"	"	
Anthracene	"	ND	----	0.0131	"	"	"	"	"	
Benzo (a) anthracene	"	ND	----	0.0131	"	"	"	"	"	
Benzo (a) pyrene	"	ND	----	0.0131	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	----	0.0131	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	----	0.0131	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	----	0.0131	"	"	"	"	"	
Chrysene	"	ND	----	0.0131	"	"	"	"	"	
Dibenz (a,h) anthracene	"	ND	----	0.0131	"	"	"	"	"	
Fluoranthene	"	ND	----	0.0131	"	"	"	"	"	
Fluorene	"	ND	----	0.0131	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	----	0.0131	"	"	"	"	"	
1-Methylnaphthalene	"	ND	----	0.0131	"	"	"	"	"	
2-Methylnaphthalene	"	ND	----	0.0131	"	"	"	"	"	
Naphthalene	"	ND	----	0.0131	"	"	"	"	"	
Phenanthrene	"	ND	----	0.0131	"	"	"	"	"	
Pyrene	"	ND	----	0.0131	"	"	"	"	"	
Surrogate(s): p-Terphenyl-d14			116%		50 - 147 %	"				

TestAmerica - Seattle, WA

Kate Hancy

Kate Hancy, Project Manager

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Kennedy/Jenks Consultants 32001 32nd Ave S Ste 100 Federal Way, WA/USA 98001	Project Name: BNSF-Harborview Park Project Number: 0496017.01 Project Manager: Ross Dunning	Report Created: 12/07/05 17:30

Physical Parameters by APHA/ASTM/EPA Methods
TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
B5L0068-01 (T.P.-12-7.5)		Soil							Sampled: 12/02/05 08:30	
Dry Weight	BSOPSPLO03R0 8	83.8	----	1.00	%	1x	5L06028	12/06/05 09:57	12/07/05 00:00	
B5L0068-02 (T.P.-13-3.5)		Soil							Sampled: 12/02/05 11:30	
Dry Weight	BSOPSPLO03R0 8	84.2	----	1.00	%	1x	5L06028	12/06/05 09:57	12/07/05 00:00	
B5L0068-03 (E-2-2.5)		Soil							Sampled: 12/02/05 12:00	
Dry Weight	BSOPSPLO03R0 8	88.4	----	1.00	%	1x	5L06028	12/06/05 09:57	12/07/05 00:00	
B5L0068-04 (F-2-6.0)		Soil							Sampled: 12/02/05 13:20	
Dry Weight	BSOPSPLO03R0 8	82.7	----	1.00	%	1x	5L06028	12/06/05 09:57	12/07/05 00:00	
B5L0068-05 (T.P.-14-3.0)		Soil							Sampled: 12/05/05 08:20	
Dry Weight	BSOPSPLO03R0 8	81.0	----	1.00	%	1x	5L06028	12/06/05 09:57	12/07/05 00:00	
B5L0068-06 (B-2.5-2.5)		Soil							Sampled: 12/05/05 08:30	
Dry Weight	BSOPSPLO03R0 8	76.4	----	1.00	%	1x	5L06028	12/06/05 09:57	12/07/05 00:00	
B5L0068-07 (B-3.25-2.5)		Soil							Sampled: 12/05/05 09:20	
Dry Weight	BSOPSPLO03R0 8	74.9	----	1.00	%	1x	5L06028	12/06/05 09:57	12/07/05 00:00	
B5L0068-08 (B-4-3.0)		Soil							Sampled: 12/05/05 09:30	
Dry Weight	BSOPSPLO03R0 8	74.0	----	1.00	%	1x	5L06028	12/06/05 09:57	12/07/05 00:00	
B5L0068-09 (C-5-2.5)		Soil							Sampled: 12/05/05 09:40	
Dry Weight	BSOPSPLO03R0 8	76.3	----	1.00	%	1x	5L06028	12/06/05 09:57	12/07/05 00:00	

TestAmerica - Seattle, WA

Kate Hancy

Kate Hancy, Project Manager

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Kennedy/Jenks Consultants	Project Name: BNSF-Harborview Park	Report Created:
32001 32nd Ave S Ste 100	Project Number: 0496017.01	12/07/05 17:30
Federal Way, WA/USA 98001	Project Manager: Ross Dunning	

Semivolatile Petroleum Products by NWTPH-Dx with Acid/Silica Gel Clean-up - Laboratory Quality Control Results
TestAmerica - Seattle, WA

QC Batch: 5L06048	Soil Preparation Method: EPA 3550B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes

Blank (5L06048-BLK1)

Extracted: 12/06/05 12:52

Diesel Range Hydrocarbons	NWTPH-Dx	ND	---	10.0	mg/kg wet	1x	--	--	--	--	--	--	12/07/05 00:35	
Lube Oil Range Hydrocarbons	"	ND	---	25.0	"	"	--	--	--	--	--	--	"	
Surrogate(s): 2-FBP		Recovery: 82.0%		Limits: 50-150%	"								12/07/05 00:35	
Octacosane		98.9%		50-150%	"								"	

LCS (5L06048-BS1)

Extracted: 12/06/05 12:52

Diesel Range Hydrocarbons	NWTPH-Dx	70.2	---	10.0	mg/kg wet	1x	--	66.7	105%	(61-120)	--	--	12/07/05 00:50	
Surrogate(s): 2-FBP		Recovery: 90.6%		Limits: 50-150%	"								12/07/05 00:50	

LCS Dup (5L06048-BSD1)

Extracted: 12/06/05 12:52

Diesel Range Hydrocarbons	NWTPH-Dx	68.6	---	10.0	mg/kg wet	1x	--	66.7	103%	(61-120)	2.31%	(40)	12/07/05 01:16	
Surrogate(s): 2-FBP		Recovery: 89.7%		Limits: 50-150%	"								12/07/05 01:16	

Duplicate (5L06048-DUP1)

QC Source: B5L0068-02

Extracted: 12/06/05 12:52

Diesel Range Hydrocarbons	NWTPH-Dx	ND	---	11.7	mg/kg dry	1x	ND	--	--	--	NR	(50)	12/07/05 01:30	
Lube Oil Range Hydrocarbons	"	ND	---	29.2	"	"	ND	--	--	--	NR	"	"	
Surrogate(s): 2-FBP		Recovery: 79.0%		Limits: 50-150%	"								12/07/05 01:30	
Octacosane		98.6%		50-150%	"								"	

TestAmerica - Seattle, WA

Kate Hancy

Kate Hancy, Project Manager

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Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project Name: **BNSF-Harborview Park**

Project Number: **0496017.01**

Project Manager: **Ross Dunning**

Report Created:

12/07/05 17:30

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: **5L06049**

Soil Preparation Method: **EPA 3550B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (5L06049-BLK1)														
Extracted: 12/06/05 12:54														
Acenaphthene	EPA 8270-SIM	ND	---	0.0100	mg/kg wet	1x	--	--	--	--	--	--	12/07/05 10:42	
Acenaphthylene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Anthracene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Benzo (a) anthracene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Benzo (a) pyrene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Benzo (b) fluoranthene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Benzo (k) fluoranthene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Benzo (b & k) fluoranthene	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
Benzo (ghi) perylene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Chrysene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Dibenz (a,h) anthracene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Fluoranthene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Fluorene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Indeno (1,2,3-cd) pyrene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
1-Methylnaphthalene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
2-Methylnaphthalene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Phenanthrene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Pyrene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Surrogate(s): p-Terphenyl-d14		Recovery: 82.6%		Limits: 50-147%		"		12/07/05 10:42						

Blank (5L06049-BLK2)

Extracted: 12/06/05 12:54

Acenaphthene	EPA 8270-SIM	ND	---	0.0100	mg/kg wet	1x	--	--	--	--	--	--	12/07/05 09:54
Acenaphthylene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"
Anthracene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"
Benzo (a) anthracene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"
Benzo (a) pyrene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"
Benzo (b) fluoranthene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"
Benzo (k) fluoranthene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"
Benzo (b & k) fluoranthene	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"
Benzo (ghi) perylene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"
Chrysene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"
Dibenz (a,h) anthracene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"
Fluoranthene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"
Fluorene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"
Indeno (1,2,3-cd) pyrene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"
1-Methylnaphthalene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"
2-Methylnaphthalene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"

TestAmerica - Seattle, WA

Kate Hancy

Kate Hancy, Project Manager

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Kennedy/Jenks Consultants	Project Name: BNSF-Harborview Park	Report Created:
32001 32nd Ave S Ste 100	Project Number: 0496017.01	12/07/05 17:30
Federal Way, WA/USA 98001	Project Manager: Ross Dunning	

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM - Laboratory Quality Control Results
TestAmerica - Seattle, WA

QC Batch: 5L06049	Soil Preparation Method: EPA 3550B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes

Blank (5L06049-BLK2)										Extracted: 12/06/05 12:54				
Naphthalene	EPA 8270-SIM	ND	---	0.0100	mg/kg wet	1x	--	--	--	--	--	--	12/07/05 09:54	
Phenanthrene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Pyrene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Surrogate(s): p-Terphenyl-d14		Recovery:	94.6%	Limits: 50-147%		"	12/07/05 09:54							

LCS (5L06049-BS1)										Extracted: 12/06/05 12:54				
Acenaphthene	EPA 8270-SIM	0.627	---	0.0100	mg/kg wet	1x	--	0.667	94.0%	(70-125)	--	--	12/07/05 11:18	
Acenaphthylene	"	0.701	---	0.0100	"	"	--	"	105%	(70-133)	--	--	"	
Anthracene	"	0.721	---	0.0100	"	"	--	"	108%	(70-152)	--	--	"	
Benzo (a) anthracene	"	0.581	---	0.0100	"	"	--	"	87.1%	(60-125)	--	--	"	
Benzo (a) pyrene	"	0.630	---	0.0100	"	"	--	"	94.5%	(64-134)	--	--	"	
Benzo (b) fluoranthene	"	0.629	---	0.0100	"	"	--	"	94.3%	(62-147)	--	--	"	
Benzo (k) fluoranthene	"	0.658	---	0.0100	"	"	--	"	98.7%	(60-144)	--	--	"	
Benzo (ghi) perylene	"	0.625	---	0.0100	"	"	--	"	93.7%	(57-137)	--	--	"	
Chrysene	"	0.669	---	0.0100	"	"	--	"	100%	(70-139)	--	--	"	
Dibenz (a,h) anthracene	"	0.625	---	0.0100	"	"	--	"	93.7%	(56-140)	--	--	"	
Fluoranthene	"	0.672	---	0.0100	"	"	--	"	101%	(70-141)	--	--	"	
Fluorene	"	0.685	---	0.0100	"	"	--	"	103%	(76-132)	--	--	"	
Indeno (1,2,3-cd) pyrene	"	0.617	---	0.0100	"	"	--	"	92.5%	(55-138)	--	--	"	
1-Methylnaphthalene	"	0.650	---	0.0100	"	"	--	"	97.5%	(46-128)	--	--	"	
2-Methylnaphthalene	"	0.608	---	0.0100	"	"	--	"	91.2%	(41-125)	--	--	"	
Naphthalene	"	0.630	---	0.0100	"	"	--	"	94.5%	(43-125)	--	--	"	
Phenanthrene	"	0.632	---	0.0100	"	"	--	"	94.8%	(73-125)	--	--	"	
Pyrene	"	0.686	---	0.0100	"	"	--	"	103%	(68-140)	--	--	"	
Surrogate(s): p-Terphenyl-d14		Recovery:	89.8%	Limits: 50-147%		"	12/07/05 11:18							

LCS (5L06049-BS2)										Extracted: 12/06/05 12:54				
Acenaphthene	EPA 8270-SIM	0.650	---	0.0100	mg/kg wet	1x	--	0.667	97.5%	(70-125)	--	--	12/07/05 10:23	
Acenaphthylene	"	0.699	---	0.0100	"	"	--	"	105%	(70-133)	--	--	"	
Anthracene	"	0.735	---	0.0100	"	"	--	"	110%	(70-152)	--	--	"	
Benzo (a) anthracene	"	0.657	---	0.0100	"	"	--	"	98.5%	(60-125)	--	--	"	
Benzo (a) pyrene	"	0.674	---	0.0100	"	"	--	"	101%	(64-134)	--	--	"	
Benzo (b) fluoranthene	"	0.887	---	0.0100	"	"	--	"	133%	(62-147)	--	--	"	
Benzo (k) fluoranthene	"	0.619	---	0.0100	"	"	--	"	92.8%	(60-144)	--	--	"	
Benzo (ghi) perylene	"	0.562	---	0.0100	"	"	--	"	84.3%	(57-137)	--	--	"	
Chrysene	"	0.718	---	0.0100	"	"	--	"	108%	(70-139)	--	--	"	
Dibenz (a,h) anthracene	"	0.562	---	0.0100	"	"	--	"	84.3%	(56-140)	--	--	"	
Fluoranthene	"	0.713	---	0.0100	"	"	--	"	107%	(70-141)	--	--	"	

TestAmerica - Seattle, WA

Kate Haney

Kate Haney, Project Manager

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Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project Name: **BNSF-Harborview Park**

Project Number: 0496017.01

Project Manager: Ross Dunning

Report Created:

12/07/05 17:30

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 5L06049

Soil Preparation Method: EPA 3550B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS (5L06049-BS2)										Extracted: 12/06/05 12:54				
Fluorene	EPA 8270-SIM	0.696	---	0.0100	mg/kg wet	1x	--	0.667	104%	(76-132)	--	--	12/07/05 10:23	
Indeno (1,2,3-cd) pyrene	"	0.569	---	0.0100	"	"	--	"	85.3%	(55-138)	--	--	"	
1-Methylnaphthalene	"	0.677	---	0.0100	"	"	--	"	101%	(46-128)	--	--	"	
2-Methylnaphthalene	"	0.646	---	0.0100	"	"	--	"	96.9%	(41-125)	--	--	"	
Naphthalene	"	0.648	---	0.0100	"	"	--	"	97.2%	(43-125)	--	--	"	
Phenanthrene	"	0.654	---	0.0100	"	"	--	"	98.1%	(73-125)	--	--	"	
Pyrene	"	0.734	---	0.0100	"	"	--	"	110%	(68-140)	--	--	"	
Surrogate(s): p-Terphenyl-d14		Recovery: 103%		Limits: 50-147%		"		12/07/05 10:23						

LCS Dup (5L06049-BSD1)

Extracted: 12/06/05 12:54

Acenaphthene	EPA 8270-SIM	0.613	---	0.0100	mg/kg wet	1x	--	0.667	91.9%	(70-125)	2.26%	(40)	12/07/05 11:53	
Acenaphthylene	"	0.699	---	0.0100	"	"	--	"	105%	(70-133)	0.286%	"	"	
Anthracene	"	0.714	---	0.0100	"	"	--	"	107%	(70-152)	0.976%	"	"	
Benzo (a) anthracene	"	0.586	---	0.0100	"	"	--	"	87.9%	(60-125)	0.857%	"	"	
Benzo (a) pyrene	"	0.633	---	0.0100	"	"	--	"	94.9%	(64-134)	0.475%	(26)	"	
Benzo (b) fluoranthene	"	0.656	---	0.0100	"	"	--	"	98.4%	(62-147)	4.20%	(40)	"	
Benzo (k) fluoranthene	"	0.662	---	0.0100	"	"	--	"	99.3%	(60-144)	0.606%	"	"	
Benzo (ghi) perylene	"	0.628	---	0.0100	"	"	--	"	94.2%	(57-137)	0.479%	"	"	
Chrysene	"	0.671	---	0.0100	"	"	--	"	101%	(70-139)	0.299%	(24)	"	
Dibenz (a,h) anthracene	"	0.631	---	0.0100	"	"	--	"	94.6%	(56-140)	0.955%	(40)	"	
Fluoranthene	"	0.669	---	0.0100	"	"	--	"	100%	(70-141)	0.447%	"	"	
Fluorene	"	0.674	---	0.0100	"	"	--	"	101%	(76-132)	1.62%	(43)	"	
Indeno (1,2,3-cd) pyrene	"	0.624	---	0.0100	"	"	--	"	93.6%	(55-138)	1.13%	(39)	"	
1-Methylnaphthalene	"	0.618	---	0.0100	"	"	--	"	92.7%	(46-128)	5.05%	(40)	"	
2-Methylnaphthalene	"	0.581	---	0.0100	"	"	--	"	87.1%	(41-125)	4.54%	"	"	
Naphthalene	"	0.604	---	0.0100	"	"	--	"	90.6%	(43-125)	4.21%	"	"	
Phenanthrene	"	0.628	---	0.0100	"	"	--	"	94.2%	(73-125)	0.635%	"	"	
Pyrene	"	0.669	---	0.0100	"	"	--	"	100%	(68-140)	2.51%	"	"	
Surrogate(s): p-Terphenyl-d14		Recovery: 91.0%		Limits: 50-147%		"		12/07/05 11:53						

TestAmerica - Seattle, WA

Kate Haney

Kate Haney, Project Manager

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Kennedy/Jenks Consultants 32001 32nd Ave S Ste 100 Federal Way, WA/USA 98001	Project Name: BNSF-Harborview Park Project Number: 0496017.01 Project Manager: Ross Dunning	Report Created: 12/07/05 17:30

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM - Laboratory Quality Control Results
TestAmerica - Seattle, WA

QC Batch: 5L06049	Soil Preparation Method: EPA 3550B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS Dup (5L06049-BSD2)														
Extracted: 12/06/05 12:54														
Acenaphthene	EPA 8270-SIM	0.638	---	0.0100	mg/kg wet	1x	--	0.667	95.7%	(70-125)	1.86%	(40)	12/07/05 10:52	
Acenaphthylene	"	0.691	---	0.0100	"	"	--	"	104%	(70-133)	1.15%	"	"	
Anthracene	"	0.712	---	0.0100	"	"	--	"	107%	(70-152)	3.18%	"	"	
Benzo (a) anthracene	"	0.630	---	0.0100	"	"	--	"	94.5%	(60-125)	4.20%	"	"	
Benzo (a) pyrene	"	0.647	---	0.0100	"	"	--	"	97.0%	(64-134)	4.09%	(26)	"	
Benzo (b) fluoranthene	"	0.802	---	0.0100	"	"	--	"	120%	(62-147)	10.1%	(40)	"	
Benzo (k) fluoranthene	"	0.673	---	0.0100	"	"	--	"	101%	(60-144)	8.36%	"	"	
Benzo (ghi) perylene	"	0.464	---	0.0100	"	"	--	"	69.6%	(57-137)	19.1%	"	"	
Chrysene	"	0.679	---	0.0100	"	"	--	"	102%	(70-139)	5.58%	(24)	"	
Dibenz (a,h) anthracene	"	0.476	---	0.0100	"	"	--	"	71.4%	(56-140)	16.6%	(40)	"	
Fluoranthene	"	0.690	---	0.0100	"	"	--	"	103%	(70-141)	3.28%	"	"	
Fluorene	"	0.681	---	0.0100	"	"	--	"	102%	(76-132)	2.18%	(43)	"	
Indeno (1,2,3-cd) pyrene	"	0.482	---	0.0100	"	"	--	"	72.3%	(55-138)	16.6%	(39)	"	
1-Methylnaphthalene	"	0.681	---	0.0100	"	"	--	"	102%	(46-128)	0.589%	(40)	"	
2-Methylnaphthalene	"	0.658	---	0.0100	"	"	--	"	98.7%	(41-125)	1.84%	"	"	
Naphthalene	"	0.651	---	0.0100	"	"	--	"	97.6%	(43-125)	0.462%	"	"	
Phenanthrene	"	0.631	---	0.0100	"	"	--	"	94.6%	(73-125)	3.58%	"	"	
Pyrene	"	0.694	---	0.0100	"	"	--	"	104%	(68-140)	5.60%	"	"	

Surrogate(s): p-Terphenyl-d14

Recovery: 98.2%

Limits: 50-147%

12/07/05 10:52

Matrix Spike (5L06049-MS1)														
QC Source: B5L0068-01														
Extracted: 12/06/05 12:54														
Acenaphthene	EPA 8270-SIM	0.799	---	0.0120	mg/kg dry	1x	0.0100	0.801	98.5%	(67-132)	--	--	12/07/05 15:49	
Acenaphthylene	"	0.821	---	0.0120	"	"	ND	"	102%	(65-142)	--	--	"	
Anthracene	"	0.974	---	0.0120	"	"	0.0471	"	116%	(66-158)	--	--	"	
Benzo (a) anthracene	"	0.775	---	0.0120	"	"	0.0125	"	95.2%	(41-156)	--	--	"	
Benzo (a) pyrene	"	0.802	---	0.0120	"	"	ND	"	100%	(52-148)	--	--	"	
Benzo (b) fluoranthene	"	0.835	---	0.0120	"	"	0.00559	"	104%	(53-151)	--	--	"	
Benzo (k) fluoranthene	"	0.916	---	0.0120	"	"	0.00181	"	114%	(46-161)	--	--	"	
Benzo (ghi) perylene	"	0.720	---	0.0120	"	"	ND	"	89.9%	(26-154)	--	--	"	
Chrysene	"	0.835	---	0.0120	"	"	0.00835	"	103%	(55-155)	--	--	"	
Dibenz (a,h) anthracene	"	0.788	---	0.0120	"	"	ND	"	98.4%	(27-157)	--	--	"	
Fluoranthene	"	0.978	---	0.0120	"	"	0.0492	"	116%	(46-172)	--	--	"	
Fluorene	"	0.915	---	0.0120	"	"	0.0246	"	111%	(66-143)	--	--	"	
Indeno (1,2,3-cd) pyrene	"	0.758	---	0.0120	"	"	ND	"	94.6%	(24-159)	--	--	"	
1-Methylnaphthalene	"	0.778	---	0.0120	"	"	0.00221	"	96.9%	(39-140)	--	--	"	
2-Methylnaphthalene	"	0.743	---	0.0120	"	"	0.00394	"	92.3%	(32-139)	--	--	"	
Naphthalene	"	0.720	---	0.0120	"	"	0.00890	"	88.8%	(38-134)	--	--	"	
Phenanthrene	"	0.911	---	0.0120	"	"	0.0808	"	104%	(63-139)	--	--	"	

TestAmerica - Seattle, WA

Kate Haney

Kate Haney, Project Manager

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Kennedy/Jenks Consultants	Project Name: BNSF-Harborview Park	Report Created:
32001 32nd Ave S Ste 100	Project Number: 0496017.01	12/07/05 17:30
Federal Way, WA/USA 98001	Project Manager: Ross Dunning	

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM - Laboratory Quality Control Results
TestAmerica - Seattle, WA

QC Batch: 5L06049	Soil Preparation Method: EPA 3550B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes

Matrix Spike (5L06049-MS1)				QC Source: B5L0068-01				Extracted: 12/06/05 12:54						
Pyrene	EPA 8270-SIM	0.799	---	0.0120	mg/kg dry	1x	0.0309	0.801	95.9%	(51-172)	--	--	12/07/05 15:49	
Surrogate(s): p-Terphenyl-d14		Recovery:	93.5%	Limits: 50-147%		"		12/07/05 15:49						

Matrix Spike Dup (5L06049-MSD1)				QC Source: B5L0068-01				Extracted: 12/06/05 12:54						
Acenaphthene	EPA 8270-SIM	0.748	---	0.0118	mg/kg dry	1x	0.0100	0.788	93.7%	(67-132)	6.59%	(50)	12/07/05 16:19	
Acenaphthylene	"	0.776	---	0.0118	"	"	ND	"	98.5%	(65-142)	5.64%	"	"	
Anthracene	"	0.892	---	0.0118	"	"	0.0471	"	107%	(66-158)	8.79%	"	"	
Benzo (a) anthracene	"	0.759	---	0.0118	"	"	0.0125	"	94.7%	(41-156)	2.09%	"	"	
Benzo (a) pyrene	"	0.787	---	0.0118	"	"	ND	"	99.9%	(52-148)	1.89%	"	"	
Benzo (b) fluoranthene	"	0.876	---	0.0118	"	"	0.00559	"	110%	(53-151)	4.79%	"	"	
Benzo (k) fluoranthene	"	0.868	---	0.0118	"	"	0.00181	"	110%	(46-161)	5.38%	"	"	
Benzo (ghi) perylene	"	0.629	---	0.0118	"	"	ND	"	79.8%	(26-154)	13.5%	"	"	
Chrysene	"	0.811	---	0.0118	"	"	0.00835	"	102%	(55-155)	2.92%	(44)	"	
Dibenz (a,h) anthracene	"	0.689	---	0.0118	"	"	ND	"	87.4%	(27-157)	13.4%	(50)	"	
Fluoranthene	"	0.857	---	0.0118	"	"	0.0492	"	103%	(46-172)	13.2%	"	"	
Fluorene	"	0.823	---	0.0118	"	"	0.0246	"	101%	(66-143)	10.6%	(52)	"	
Indeno (1,2,3-cd) pyrene	"	0.673	---	0.0118	"	"	ND	"	85.4%	(24-159)	11.9%	(43)	"	
1-Methylnaphthalene	"	0.725	---	0.0118	"	"	0.00221	"	91.7%	(39-140)	7.05%	(50)	"	
2-Methylnaphthalene	"	0.685	---	0.0118	"	"	0.00394	"	86.4%	(32-139)	8.12%	"	"	
Naphthalene	"	0.665	---	0.0118	"	"	0.00890	"	83.3%	(38-134)	7.94%	"	"	
Phenanthrene	"	0.791	---	0.0118	"	"	0.0808	"	90.1%	(63-139)	14.1%	"	"	
Pyrene	"	0.814	---	0.0118	"	"	0.0309	"	99.4%	(51-172)	1.86%	"	"	
Surrogate(s): p-Terphenyl-d14		Recovery:	102%	Limits: 50-147%		"		12/07/05 16:19						

TestAmerica - Seattle, WA

Kate Hancy

Kate Hancy, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report shall not be reproduced except in full, without the written approval of the laboratory.



Kennedy/Jenks Consultants	Project Name: BNSF-Harborview Park	
32001 32nd Ave S Ste 100	Project Number: 0496017.01	Report Created:
Federal Way, WA/USA 98001	Project Manager: Ross Dunning	12/07/05 17:30

Physical Parameters by APHA/ASTM/EPA Methods - Laboratory Quality Control Results
TestAmerica - Seattle, WA

QC Batch: 5L06028 Soil Preparation Method: Dry Weight

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes

Blank (5L06028-BLK1) Extracted: 12/06/05 09:57

Dry Weight	BSOPSP.00 3R08	100	---	1.00	%	1x	--	--	--	--	--	--	12/07/05 00:00	

TestAmerica - Seattle, WA

Kate Dunning

Kate Dunning, Project Manager

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Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project Name: **BNSF-Harborview Park**

Project Number: 0496017.01

Project Manager: Ross Dunning

Report Created:

12/07/05 17:30

Notes and Definitions

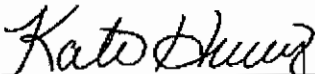
Report Specific Notes:

None

Laboratory Reporting Conventions:

- DET - Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only.
- ND - Analyte NOT DETECTED at or above the reporting limit (MDL or MRL, as appropriate).
- NR/NA - Not Reported / Not Available
- dry - Sample results reported on a Dry Weight Basis. Results and Reporting Limits have been corrected for Percent Dry Weight.
- wet - Sample results and reporting limits reported on a Wet Weight Basis (as received). Results with neither 'wet' nor 'dry' are reported on a Wet Weight Basis.
- RPD - RELATIVE PERCENT DIFFERENCE (RPDs calculated using Results, not Percent Recoveries).
- MRL - METHOD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.
- MDL* - METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B.
*MDLs are listed on the report only if the data has been evaluated below the MRL. Results between the MDL and MRL are reported as Estimated Results.
- Dil - Dilutions are calculated based on deviations from the standard dilution performed for an analysis, and may not represent the dilution found on the analytical raw data.
- Reporting Limits - Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and percent solids, where applicable.
- Electronic Signature - Electronic Signature added in accordance with TestAmerica's *Electronic Reporting and Electronic Signatures Policy*.
Application of electronic signature indicates that the report has been reviewed and approved for release by the laboratory.
Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

TestAmerica - Seattle, WA



Kate Haney, Project Manager

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9405 SW Nimbus Ave, Beaverton, OR 97008-7145 503-906-9200 FAX 906-9210
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CHAIN OF CUSTODY REPORT

Work Order # **B520068**

NCA CLIENT: Kennedy/Tanks/Garrett/Kelly, BNSF		INVOICE TO: BNSF		TURNAROUND REQUEST	
REPORT TO: Ross Dunning		Attn: Bruce Sheppard		In Business Days *	
ADDRESS: 32001 32nd Ave S, Suite 100		Preparation by Ross Dunning		Organic & Inorganic Analyses	
FEDERAL Way, Apt 98001		(KJT)		Permeation Hydrocarbon Analyses	
PHONE: 253-374-0553 FAX: 253-374-3852		P.O. NUMBER: TTB-008-F01		Matrix (W, S, O)	
PROJECT NAME: BNSF HAZARDOUS WASTE		PRESERVATIVE		# OF CONT.	
PROJECT NUMBER: 0496017401		REQUESTED ANALYSES		LOCATION / COMMENTS	
SAMPLED BY: TPT		DATE/TIME		NCA W/O ID	
1 T.P.-12-7.5		12/3/05 08:30		S 1 01	
2 T.P.-13-3.5		12/3/05 11:30		S 1 02	
3 E-2-2.5		12/3/05 12:00		S 1 03	
4 F-2-6.0		12/3/05 13:20		S 1 04	
5 T.P.-14-3.0		12/5/05 08:20		S 1 05	
6 B-2.5-2.5		12/5/05 08:30		S 1 06	
7 B-3.25-2.5		12/5/05 09:120		S 1 07	
8 B-4-3.0		12/5/05 09:30		S 1 08	
9 C-5-2.5		12/5/05 09:40		S 1 09	
10					
RELEASED BY: [Signature]		DATE: 12/5/05		RECEIVED BY: [Signature]	
PRINT NAME: John P. Jordan		TIME: 14:22		PRINT NAME: Don Toller	
FIRM: K/J				FIRM: NCA	
RELEASED BY: [Signature]		DATE: 12/5/05		RECEIVED BY: [Signature]	
PRINT NAME: [Signature]		TIME: 1640		PRINT NAME: PRACY TATZ	
FIRM: NCA				FIRM: NCA	
ADDITIONAL REMARKS:				DATE: 12/5/05	
				TIME: 1604	
				TEMP: 47°	
				PAGE 1 OF 1	

November 27, 2007

Ross Dunning
Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

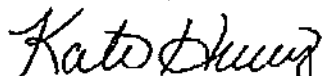
RE: BNSF-Harborview Park

Enclosed are the results of analyses for samples received by the laboratory on 12/05/05 16:40.
The following list is a summary of the Work Orders contained in this report, generated on 03/02/06 09:45.

If you have any questions concerning this report, please feel free to contact me.

<u>Work Order</u>	<u>Project</u>	<u>Project Number</u>
B5L0068	BNSF-Harborview Park	0496017.01

TestAmerica - Seattle, WA



Kate Hancy, Project Manager

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Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project Name: **BNSF-Harborview Park**

Project Number: 0496017.01

Project Manager: Ross Dunning

Report Created:

03/02/06 09:45

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
E-2-2.5	B5L0068-03	Soil	12/02/05 12:00	12/05/05 16:40
B-4-3.0	B5L0068-08	Soil	12/05/05 09:30	12/05/05 16:40

TestAmerica - Seattle, WA

Kate Haney

Kate Haney, Project Manager

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Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project Name: **BNSF-Harborview Park**

Project Number: **0496017.01**

Project Manager: **Ross Dunning**

Report Created:

03/02/06 09:45

Total Metals by EPA 6000/7000 Series Methods

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BSL0068-03 (E-2-2.5)		Soil						Sampled: 12/02/05 12:00		
Arsenic	EPA 6020	4.45	---	0.524	mg/kg dry	1x	6A31029	01/31/06 10:50	02/01/06 11:49	
BSL0068-08 (B-4-3.0)		Soil						Sampled: 12/05/05 09:30		
Arsenic	EPA 6020	2.33	---	0.727	mg/kg dry	1x	6A31029	01/31/06 10:50	02/01/06 11:54	

TestAmerica - Seattle, WA

Kate Dunning

Kate Haney, Project Manager

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Kennedy/Jenks Consultants	Project Name: BNSF-Harborview Park	
32001 32nd Ave S Ste 100	Project Number: 0496017.01	Report Created:
Federal Way, WA/USA 98001	Project Manager: Ross Dunning	03/02/06 09:45

Total Metals by EPA 6000/7000 Series Methods - Laboratory Quality Control Results
TestAmerica - Seattle, WA

QC Batch: 6A31029 Soil Preparation Method: EPA 3050B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Lim/its)	% RPD	(Lim/its)	Analyzed	Notes
Blank (6A31029-BLK1)										Extracted: 01/31/06 10:50				
Arsenic	EPA 6020	ND	---	0.500	mg/kg wet	1x	--	--	--	--	--	--	02/01/06 10:40	
LCS (6A31029-BS1)										Extracted: 01/31/06 10:50				
Arsenic	EPA 6020	41.9	---	0.500	mg/kg wet	1x	--	40.0	105%	(80-120)	--	--	02/01/06 10:46	
Duplicate (6A31029-DUP1)										QC Source: BSK0239-04 Extracted: 01/31/06 10:50				
Arsenic	EPA 6020	1.89	---	0.521	mg/kg dry	1x	1.93	--	--	--	2.09%	(30)	02/01/06 11:03	
Matrix Spike (6A31029-MS1)										QC Source: BSK0239-04 Extracted: 01/31/06 10:50				
Arsenic	EPA 6020	44.0	---	0.521	mg/kg dry	1x	1.93	41.7	101%	(57-125)	--	--	02/01/06 10:57	
Post Spike (6A31029-PS1)										QC Source: BSK0239-04 Extracted: 01/31/06 10:50				
Arsenic	EPA 6020	0.108	---		ug/ml	1x	0.00370	0.100	104%	(75-125)	--	--	02/01/06 10:51	

TestAmerica - Seattle, WA

Kate Dunning

Kate Hancy, Project Manager

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Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project Name: **BNSF-Harborview Park**

Project Number: 0496017.01

Project Manager: Ross Dunning

Report Created:

03/02/06 09:45

Notes and Definitions

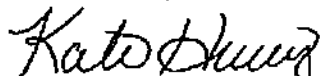
Report Specific Notes:

None

Laboratory Reporting Conventions:

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- wet - Sample results and reporting limits reported on a Wet Weight Basis (as received). Results with neither 'wet' nor 'dry' are reported on a Wet Weight Basis.
- RPD - RELATIVE PERCENT DIFFERENCE (RPDs calculated using Results, not Percent Recoveries).
- MRL - METHOD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.
- MDL* - METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B.
*MDLs are listed on the report only if the data has been evaluated below the MRL. Results between the MDL and MRL are reported as Estimated Results.
- Dil - Dilutions are calculated based on deviations from the standard dilution performed for an analysis, and may not represent the dilution found on the analytical raw data.
- Reporting Limits - Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and percent solids, where applicable.
- Electronic Signature - Electronic Signature added in accordance with TestAmerica's *Electronic Reporting and Electronic Signatures Policy*.
Application of electronic signature indicates that the report has been reviewed and approved for release by the laboratory.
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TestAmerica - Seattle, WA



Kate Hancy, Project Manager

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20832 Empire Ave, Ste F1, Bend, OR 97701-5712 FAX 362-7998
2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 FAX 563-9210

CHAIN OF CUSTODY REPORT

NCA CLIENT: Kennedy/Trends Cancer Health, ERUSE		INVOICE TO: BUSE		Work Order #: B520068			
REPORT TO: Ross Dunning		ATTN: Bruce Sheppard		TURNAROUND REQUEST			
ADDRESS: 32001 32nd Ave S, Suite 100		Preparation by Ross Dunning		In Business Days *			
FEDERAL WY. KIT 98001		(H/S)		Organic & Inorganic Analysis			
PHONE: 253-374-0535 FAX: 253-952-3435		P.O. NUMBER: TTB-008-FOI		Permeation Hydrocarbon Analysis			
PROJECT NAME: BUSE Airborne		PRESERVATIVE		OTHER: Specify:			
PROJECT NUMBER: 0496017 +01		REQUESTED ANALYSES		* Number of samples for each analysis is indicated by the number of boxes checked.			
SAMPLED BY: TPT		DATE		DATE			
CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	DATE	TIME	MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	NCA WO ID
1 T.P.-12-7.5	12/3/05 08:30	12/3/05	08:30	S	1		01
2 T.P.-13-3.5	12/3/05 11:30	12/3/05	11:30	S	1		02
3 E-2-2.5	12/3/05 12:00	12/3/05	12:00	S	1		03
4 F-2-6.0	12/3/05 13:20	12/3/05	13:20	S	1		04
5 T.P.-14-3.0	12/5/05 08:20	12/5/05	08:20	S	1		05
6 B-2.5-2.5	12/5/05 08:30	12/5/05	08:30	S	1		06
7 B-3.25-2.5	12/5/05 09:120	12/5/05	09:120	S	1		07
8 B-4-3.0	12/5/05 09:30	12/5/05	09:30	S	1		08
9 C-5-2.5	12/5/05 09:40	12/5/05	09:40	S	1		09
10							
RELEASED BY: TPT		DATE: 12/5/05		RECEIVED BY: Don Toller		DATE: 12/5/05	
PRINT NAME: John P. Tindin		TIME: 4:22		PRINT NAME: Don Toller		TIME: 1422	
FIRM: K/S				FIRM: NCA			
RELEASED BY: Don Toller		DATE: 12/5/05		RECEIVED BY: Don Toller		DATE: 12/5/05	
PRINT NAME: Don Toller		TIME: 1640		PRINT NAME: Don Toller		TIME: 164	
FIRM: NCA				FIRM: NCA			
ADDITIONAL REMARKS:				ADDITIONAL REMARKS:			
COC REV 05/04				COC REV 05/04			



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
425.410.9200 fax 425.420.9210
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509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9100 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.182.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

28 December 2005

Ross Dunning
Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001
RE: BNSF-Harborview Park

Enclosed are the results of analyses for samples received by the laboratory on 12/22/05 16:50. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kate Haney
Project Manager



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
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541.383.9310 fax 541.382.7588
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907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
12/28/05 16:33

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
C-4-2.5	B5L0550-01	Soil	12/21/05 11:33	12/22/05 16:50
D-38-1.5	B5L0550-02	Soil	12/21/05 11:40	12/22/05 16:50
E-4-2.5	B5L0550-03	Soil	12/21/05 11:40	12/22/05 16:50
E-5-1.5	B5L0550-04	Soil	12/21/05 11:57	12/22/05 16:50
E-3-4.0	B5L0550-05	Soil	12/21/05 12:03	12/22/05 16:50
D-39-1.5	B5L0550-06	Soil	12/21/05 14:30	12/22/05 16:50
TP-15-8	B5L0550-07	Soil	12/21/05 14:57	12/22/05 16:50
D-36A-1.5	B5L0550-08	Soil	12/20/05 10:20	12/22/05 16:50
D-37-1.5	B5L0550-09	Soil	12/20/05 12:30	12/22/05 16:50

North Creek Analytical - Bothell

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Kate Haney, Project Manager

North Creek Analytical, Inc.
Environmental Laboratory Network



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Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
 509.924.9100 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
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Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
 32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
 Project Number: 0496017.01
 Project Manager: Ross Dunning

Reported:
 12/28/05 16:33

Semivolatile Petroleum Products by NWTPH-Dx with Acid/Silica Gel Clean-up
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-4-2.5 (B5L0550-01) Soil Sampled: 12/21/05 11:33 Received: 12/22/05 16:50									
Diesel Range Hydrocarbons	ND	12.7	mg/kg dry	1	5L22049	12/22/05	12/23/05	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	31.7	"	"	"	"	"	"	
Surrogate: 2-FBP	86.6 %	50-150			"	"	"	"	
Surrogate: Octacosane	84.8 %	50-150			"	"	"	"	
D-38-1.5 (B5L0550-02) Soil Sampled: 12/21/05 11:40 Received: 12/22/05 16:50									
Diesel Range Hydrocarbons	ND	13.3	mg/kg dry	1	5L22049	12/22/05	12/28/05	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	33.3	"	"	"	"	"	"	
Surrogate: 2-FBP	104 %	50-150			"	"	"	"	
Surrogate: Octacosane	104 %	50-150			"	"	"	"	
E-4-2.5 (B5L0550-03) Soil Sampled: 12/21/05 11:40 Received: 12/22/05 16:50									
Diesel Range Hydrocarbons	ND	12.9	mg/kg dry	1	5L22049	12/22/05	12/28/05	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	32.3	"	"	"	"	"	"	
Surrogate: 2-FBP	96.3 %	50-150			"	"	"	"	
Surrogate: Octacosane	98.1 %	50-150			"	"	"	"	
E-5-1.5 (B5L0550-04) Soil Sampled: 12/21/05 11:57 Received: 12/22/05 16:50									
Diesel Range Hydrocarbons	ND	12.0	mg/kg dry	1	5L22049	12/22/05	12/28/05	NWTPH-Dx	
Lube Oil Range Hydrocarbons	54.9	30.0	"	"	"	"	"	"	
Surrogate: 2-FBP	90.4 %	50-150			"	"	"	"	
Surrogate: Octacosane	91.8 %	50-150			"	"	"	"	
E-3-4.0 (B5L0550-05) Soil Sampled: 12/21/05 12:03 Received: 12/22/05 16:50									
Diesel Range Hydrocarbons	ND	10.5	mg/kg dry	1	5L22049	12/22/05	12/28/05	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	26.3	"	"	"	"	"	"	
Surrogate: 2-FBP	98.5 %	50-150			"	"	"	"	
Surrogate: Octacosane	99.0 %	50-150			"	"	"	"	

North Creek Analytical - Bothell

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 custody document. This analytical report must be reproduced in its entirety.

Kate Haney

Kate Haney, Project Manager

North Creek Analytical, Inc.
 Environmental Laboratory Network



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425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.914.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
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541.383.9310 fax 541.182.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
12/28/05 16:33

Semivolatile Petroleum Products by NWTPH-Dx with Acid/Silica Gel Clean-up
North Creek Analytical - Bothell

Analytic	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
D-39-1.5 (B5L0550-06) Soil Sampled: 12/21/05 14:30 Received: 12/22/05 16:50									
Diesel Range Hydrocarbons	ND	12.9	mg/kg dry	1	5L22049	12/22/05	12/28/05	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	32.2	"	"	"	"	"	"	
Surrogate: 2-FBP	93.1 %	50-150			"	"	"	"	
Surrogate: Octacosane	94.4 %	50-150			"	"	"	"	
TP-15-8 (B5L0550-07) Soil Sampled: 12/21/05 14:57 Received: 12/22/05 16:50									
Diesel Range Hydrocarbons	ND	11.5	mg/kg dry	1	5L22049	12/22/05	12/28/05	NWTPH-Dx	
Lube Oil Range Hydrocarbons	NO	28.7	"	"	"	"	"	"	
Surrogate: 2-FBP	98.4 %	50-150			"	"	"	"	
Surrogate: Octacosane	99.6 %	50-150			"	"	"	"	
D-36A-1.5 (B5L0550-08) Soil Sampled: 12/20/05 10:20 Received: 12/22/05 16:50									
Diesel Range Hydrocarbons	ND	12.3	mg/kg dry	1	5L22049	12/22/05	12/28/05	NWTPH-Dx	
Lube Oil Range Hydrocarbons	NO	30.8	"	"	"	"	"	"	
Surrogate: 2-FBP	96.0 %	50-150			"	"	"	"	
Surrogate: Octacosane	95.2 %	50-150			"	"	"	"	
D-37-1.5 (B5L0550-09) Soil Sampled: 12/20/05 12:30 Received: 12/22/05 16:50									
Diesel Range Hydrocarbons	1620	159	mg/kg dry	5	5L22049	12/22/05	12/28/05	NWTPH-Dx	D-06
Lube Oil Range Hydrocarbons	848	397	"	"	"	"	"	"	
Surrogate: 2-FBP	83.8 %	50-150			"	"	"	"	
Surrogate: Octacosane	79.6 %	50-150			"	"	"	"	

North Creek Analytical - Bothell

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Kate Haney, Project Manager

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Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
 425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
 509.924.9200 fax 509.924.9290
Portland 9405 SW Nirdv's Avenue, Beaverton, OR 97008-7132
 503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 541.383.9310 fax 541.382.7588
Anchorage 2000 Iv International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
 32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
 Project Number: 0496017.01
 Project Manager: Ross Dunning

Reported:
 12/28/05 16:33

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM
North Creek Analytical - Bothell

Analytic	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit							
C-4-2.5 (B5L0550-01) Soil Sampled: 12/21/05 11:33 Received: 12/22/05 16:50									
Acenaphthene	ND	0.0127	mg/kg dry	I	5L2Z050	12/22/05	12/28/05	EPA 8270-SIM	
Acenaphthylene	ND	0.0127	"	"	"	"	"	"	
Anthracene	ND	0.0127	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.0127	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0127	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0127	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0127	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	0.0127	"	"	"	"	"	"	
Chrysene	ND	0.0127	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.0127	"	"	"	"	"	"	
Fluoranthene	ND	0.0127	"	"	"	"	"	"	
Fluorene	ND	0.0127	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0127	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.0127	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.0127	"	"	"	"	"	"	
Naphthalene	ND	0.0127	"	"	"	"	"	"	
Phenanthrene	ND	0.0127	"	"	"	"	"	"	
Pyrene	ND	0.0127	"	"	"	"	"	"	
Surrogate: p-Terphenyl-d14	81.6 %	50-147			"	"	"	"	

D-38-1.5 (B5L0550-02) Soil Sampled: 12/21/05 11:40 Received: 12/22/05 16:50

Acenaphthene	0.0170	0.0133	mg/kg dry	I	5L2Z050	12/22/05	12/28/05	EPA 8270-SIM	
Acenaphthylene	ND	0.0133	"	"	"	"	"	"	"
Anthracene	0.0878	0.0133	"	"	"	"	"	"	"
Benzo (a) anthracene	0.0878	0.0133	"	"	"	"	"	"	"
Benzo (a) pyrene	0.0312	0.0133	"	"	"	"	"	"	"
Benzo (b) fluoranthene	0.0344	0.0133	"	"	"	"	"	"	"
Benzo (k) fluoranthene	0.0356	0.0133	"	"	"	"	"	"	"
Benzo (ghi) perylene	ND	0.0133	"	"	"	"	"	"	"
Chrysene	0.181	0.0133	"	"	"	"	"	"	"
Dibenz (a,h) anthracene	ND	0.0133	"	"	"	"	"	"	"
Fluoranthene	0.238	0.0133	"	"	"	"	"	"	"
Fluorene	0.0378	0.0133	"	"	"	"	"	"	"
Indeno (1,2,3-cd) pyrene	ND	0.0133	"	"	"	"	"	"	"
1-Methylnaphthalene	ND	0.0133	"	"	"	"	"	"	"
2-Methylnaphthalene	ND	0.0133	"	"	"	"	"	"	"
Naphthalene	ND	0.0133	"	"	"	"	"	"	"
Phenanthrene	0.0653	0.0133	"	"	"	"	"	"	"

North Creek Analytical - Bothell

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Kate Dunning

Kate Haney, Project Manager

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Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.561.9210

Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
12/28/05 16:33

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
D-38-1.5 (B5L0550-02) Soil Sampled: 12/21/05 11:40 Received: 12/22/05 16:50									
Pyrene	0.112	0.0133	mg/kg dry	1	5L22050	12/22/05	12/28/05	EPA 8270-SIM	
Surrogate: p-Terphenyl-d14	61.7 %	50-147			"	"	"	"	
E-4-2.5 (B5L0550-03) Soil Sampled: 12/21/05 11:40 Received: 12/22/05 16:50									
Acenaphthene	ND	0.0129	mg/kg dry	1	5L22050	12/22/05	12/28/05	EPA 8270-SIM	
Acenaphthylene	ND	0.0129	"	"	"	"	"	"	
Anthracene	ND	0.0129	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.0129	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0129	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0129	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0129	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	0.0129	"	"	"	"	"	"	
Chrysene	ND	0.0129	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.0129	"	"	"	"	"	"	
Fluoranthene	ND	0.0129	"	"	"	"	"	"	
Fluorene	ND	0.0129	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0129	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.0129	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.0129	"	"	"	"	"	"	
Naphthalene	ND	0.0129	"	"	"	"	"	"	
Phenanthrene	ND	0.0129	"	"	"	"	"	"	
Pyrene	ND	0.0129	"	"	"	"	"	"	
Surrogate: p-Terphenyl-d14	82.9 %	50-147			"	"	"	"	
E-5-1.5 (B5L0550-04) Soil Sampled: 12/21/05 11:57 Received: 12/22/05 16:50									
Acenaphthene	ND	0.0120	mg/kg dry	1	5L22050	12/22/05	12/28/05	EPA 8270-SIM	
Acenaphthylene	ND	0.0120	"	"	"	"	"	"	
Anthracene	ND	0.0120	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.0120	"	"	"	"	"	"	
Benzo (a) pyrene	0.0120	0.0120	"	"	"	"	"	"	
Benzo (b) fluoranthene	0.0143	0.0120	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0120	"	"	"	"	"	"	
Benzo (ghi) perylene	0.0422	0.0120	"	"	"	"	"	"	
Chrysene	ND	0.0120	"	"	"	"	"	"	
Dibenz (a,h) anthracene	0.0154	0.0120	"	"	"	"	"	"	
Fluoranthene	ND	0.0120	"	"	"	"	"	"	
Fluorene	ND	0.0120	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.0215	0.0120	"	"	"	"	"	"	

North Creek Analytical - Bothell

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Kale Haney, Project Manager

North Creek Analytical, Inc.
Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
 425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
 509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
 32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
 Project Number: 0496017.01
 Project Manager: Ross Dunning

Reported:
 12/28/05 16:33

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E-5-1.5 (B5L0550-04) Soil Sampled: 12/21/05 11:57 Received: 12/22/05 16:50									
1-Methylnaphthalene	ND	0.0120	mg/kg dry	I	5L22050	12/22/05	12/28/05	EPA 8270-SIM	
2-Methylnaphthalene	ND	0.0120	"	"	"	"	"	"	
Naphthalene	ND	0.0120	"	"	"	"	"	"	
Phenanthrene	ND	0.0120	"	"	"	"	"	"	
Pyrene	ND	0.0120	"	"	"	"	"	"	
Surrogate: p-Terphenyl-d14	88.5 %	50-147			"	"	"	"	
E-3-4.0 (B5L0550-05) Soil Sampled: 12/21/05 12:03 Received: 12/22/05 16:50									
Acenaphthene	0.0143	0.0105	mg/kg dry	I	5L22050	12/22/05	12/28/05	EPA 8270-SIM	
Acenaphthylene	ND	0.0105	"	"	"	"	"	"	
Anthracene	0.0912	0.0105	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.0105	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0105	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0105	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0105	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	0.0105	"	"	"	"	"	"	
Chrysene	ND	0.0105	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.0105	"	"	"	"	"	"	
Fluoranthene	0.0444	0.0105	"	"	"	"	"	"	
Fluorene	0.0318	0.0105	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0105	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.0105	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.0105	"	"	"	"	"	"	
Naphthalene	0.0109	0.0105	"	"	"	"	"	"	
Phenanthrene	0.0669	0.0105	"	"	"	"	"	"	
Pyrene	0.0254	0.0105	"	"	"	"	"	"	
Surrogate: p-Terphenyl-d14	85.2 %	50-147			"	"	"	"	

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Kate Haney

Kate Haney, Project Manager

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 Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
425.420.9200 fax 425.410.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Embire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9100 fax 907.563.9210

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Polynuclear Aromatic Hydrocarbons by GC/MS-SIM
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
D-39-1.5 (B5L0550-06) Soil Sampled: 12/21/05 14:30 Received: 12/22/05 16:50									
Acenaphthene	ND	0.0129	mg/kg dry	1	5L22050	12/22/05	12/28/05	EPA 8270-SIM	
Acenaphthylene	ND	0.0129	"	"	"	"	"	"	
Anthracene	ND	0.0129	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.0129	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0129	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0129	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0129	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	0.0129	"	"	"	"	"	"	
Chrysene	ND	0.0129	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.0129	"	"	"	"	"	"	
Fluoranthene	ND	0.0129	"	"	"	"	"	"	
Fluorene	ND	0.0129	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0129	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.0129	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.0129	"	"	"	"	"	"	
Naphthalene	ND	0.0129	"	"	"	"	"	"	
Phenanthrene	ND	0.0129	"	"	"	"	"	"	
Pyrene	ND	0.0129	"	"	"	"	"	"	

Surrogate: p-Terphenyl-d14

90.2 % 50-147

" " " "

TP-15-8 (B5L0550-07) Soil Sampled: 12/21/05 14:57 Received: 12/22/05 16:50

Acenaphthene	ND	0.0115	mg/kg dry	1	5L22050	12/22/05	12/28/05	EPA 8270-SIM	
Acenaphthylene	ND	0.0115	"	"	"	"	"	"	
Anthracene	ND	0.0115	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.0115	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0115	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0115	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0115	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	0.0115	"	"	"	"	"	"	
Chrysene	ND	0.0115	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.0115	"	"	"	"	"	"	
Fluoranthene	ND	0.0115	"	"	"	"	"	"	
Fluorene	ND	0.0115	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0115	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.0115	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.0115	"	"	"	"	"	"	
Naphthalene	ND	0.0115	"	"	"	"	"	"	
Phenanthrene	ND	0.0115	"	"	"	"	"	"	

North Creek Analytical - Bothell

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Kate Haney, Project Manager

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Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.924.9190
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
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Reported:
12/28/05 16:33

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

TP-15-8 (B5L0550-07) Soil Sampled: 12/21/05 14:57 Received: 12/22/05 16:50

Pyrene	ND	0.0115	mg/kg dry	1	5L22050	12/22/05	12/28/05	EPA 8270-SIM	
Surrogate: p-Terphenyl-d14	84.9 %	50-147			"	"	"	"	

D-36A-1.5 (B5L0550-08) Soil Sampled: 12/20/05 10:20 Received: 12/22/05 16:50

Acenaphthene	ND	0.0123	mg/kg dry	1	5L22050	12/22/05	12/28/05	EPA 8270-SIM	
Acenaphthylene	ND	0.0123	"	"	"	"	"	"	
Anthracene	ND	0.0123	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.0123	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0123	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0123	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0123	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	0.0123	"	"	"	"	"	"	
Chrysene	ND	0.0123	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.0123	"	"	"	"	"	"	
Fluoranthene	ND	0.0123	"	"	"	"	"	"	
Fluorene	ND	0.0123	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0123	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.0123	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.0123	"	"	"	"	"	"	
Naphthalene	ND	0.0123	"	"	"	"	"	"	
Phenanthrene	ND	0.0123	"	"	"	"	"	"	
Pyrene	ND	0.0123	"	"	"	"	"	"	
Surrogate: p-Terphenyl-d14	67.8 %	50-147			"	"	"	"	

D-37-1.5 (B5L0550-09) Soil Sampled: 12/20/05 12:30 Received: 12/22/05 16:50

Acenaphthene	145	3.17	mg/kg dry	100	5L22050	12/22/05	12/28/05	EPA 8270-SIM	
Acenaphthylene	ND	3.17	"	"	"	"	"	"	
Anthracene	513	3.17	"	"	"	"	"	"	
Benzo (a) anthracene	13.7	3.17	"	"	"	"	"	"	
Benzo (a) pyrene	5.31	3.17	"	"	"	"	"	"	
Benzo (b) fluoranthene	7.03	3.17	"	"	"	"	"	"	
Benzo (k) fluoranthene	5.08	3.17	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	3.17	"	"	"	"	"	"	
Chrysene	16.6	3.17	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	3.17	"	"	"	"	"	"	
Fluoranthene	108	3.17	"	"	"	"	"	"	
Fluorene	269	3.17	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	3.17	"	"	"	"	"	"	

North Creek Analytical - Bothell

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Kale Haney, Project Manager

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Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
 425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
 509.924.9100 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 503.906.9100 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
 32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
 Project Number: 0496017.01
 Project Manager: Ross Dunning

Reported:
 12/28/05 16:33

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM
North Creek Analytical - Bothell

Analyte	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit							
D-37-1.5 (BSL0550-09) Soil Sampled: 12/20/05 12:30 Received: 12/22/05 16:50									
1-Methylnaphthalene	12.7	3.17	mg/kg dry	100	5L22050	12/22/05	12/28/05	EPA 8270-SIM	
2-Methylnaphthalene	19.9	3.17	"	"	"	"	"	"	
Naphthalene	20.2	3.17	"	"	"	"	"	"	
Phenanthrene	500	3.17	"	"	"	"	"	"	B
Pyrene	59.0	3.17	"	"	"	"	"	"	
Surrogate: p-Terphenyl-d14	114 %	50-147			"	"	"	"	
D-37-1.5 (BSL0550-09RE1) Soil Sampled: 12/20/05 12:30 Received: 12/22/05 16:50									
Anthracene	393	6.35	mg/kg dry	200	5L22050	12/22/05	12/28/05	EPA 8270-SIM	
Phenanthrene	387	6.35	"	"	"	"	"	"	
Surrogate: p-Terphenyl-d14	87.1 %	50-147			"	"	"	"	

North Creek Analytical - Bothell

Kate Haney

Kate Haney, Project Manager

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Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
 425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
 509.924.9200 fax 509.914.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 503.906.9100 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
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 Project Number: 0496017.01
 Project Manager: Ross Dunning

Reported:
 12/28/05 16:33

Physical Parameters by APHA/ASTM/EPA Methods
North Creek Analytical - Bothell

Analyte	Result	Repeating Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-4-2.5 (B5L0550-01) Soil Sampled: 12/21/05 11:33 Received: 12/22/05 16:50									
Dry Weight	78.8	1.00	%	1	5L22055	12/24/05	12/27/05	BSOPSPL003R08	
D-38-1.5 (B5L0550-02) Soil Sampled: 12/21/05 11:40 Received: 12/22/05 16:50									
Dry Weight	75.0	1.00	%	1	5L22055	12/24/05	12/27/05	BSOPSPL003R08	
E-4-2.5 (B5L0550-03) Soil Sampled: 12/21/05 11:40 Received: 12/22/05 16:50									
Dry Weight	77.3	1.00	%	1	5L22055	12/24/05	12/27/05	BSOPSPL003R08	
E-5-1.5 (B5L0550-04) Soil Sampled: 12/21/05 11:57 Received: 12/22/05 16:50									
Dry Weight	83.3	1.00	%	1	5L22055	12/24/05	12/27/05	BSOPSPL003R08	
E-3-4.0 (B5L0550-05) Soil Sampled: 12/21/05 12:03 Received: 12/22/05 16:50									
Dry Weight	94.9	1.00	%	1	5L22055	12/24/05	12/27/05	BSOPSPL003R08	
D-39-1.5 (B5L0550-06) Soil Sampled: 12/21/05 14:30 Received: 12/22/05 16:50									
Dry Weight	77.6	1.00	%	1	5L22055	12/24/05	12/27/05	BSOPSPL003R08	
TP-15-8 (B5L0550-07) Soil Sampled: 12/21/05 14:57 Received: 12/22/05 16:50									
Dry Weight	87.0	1.00	%	1	5L22055	12/24/05	12/27/05	BSOPSPL003R08	
D-36A-1.5 (B5L0550-08) Soil Sampled: 12/20/05 10:20 Received: 12/22/05 16:50									
Dry Weight	81.2	1.00	%	1	5L22055	12/24/05	12/27/05	BSOPSPL003R08	
D-37-1.5 (B5L0550-09) Soil Sampled: 12/20/05 12:30 Received: 12/22/05 16:50									
Dry Weight	63.0	1.00	%	1	5L22055	12/24/05	12/27/05	BSOPSPL003R08	

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Kale Haney, Project Manager

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 415.420.9100 fax 425.410.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
 509.924.9100 fax 509.924.9290
Portland 9405 SW NimDus Avenue, Beaverton, OR 97008-7131
 503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, Ak 99502-1119
 907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
 32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
 Project Number: 0496017.01
 Project Manager: Ross Dunning

Reported:
 12/28/05 16:33

Semivolatile Petroleum Products by NWTPh-Dx with Acid/Silica Gel Clean-up - Quality Control
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5L22049: Prepared 12/22/05 Using EPA 3550B										
Blank (5L22049-BLK1)										
Diesel Range Hydrocarbons	ND	10.0	mg/kg							
Lube Oil Range Hydrocarbons	ND	25.0	"							
Surrogate: 2-FBP	7.70		"	8.33		92.4	50-150			
Surrogate: Octacosane	7.33		"	8.33		88.0	50-150			
LCS (5L22049-BS1)										
Diesel Range Hydrocarbons	75.2	10.0	mg/kg	66.7		113	61-120			
Surrogate: 2-FBP	7.56		"	8.33		90.8	50-150			
LCS Dup (5L22049-BSD1)										
Diesel Range Hydrocarbons	77.1	10.0	mg/kg	66.7		116	61-120	2.50	40	
Surrogate: 2-FBP	7.48		"	8.33		89.8	50-150			
Duplicate (5L22049-DUP1) Source: B5L0504-01										
Diesel Range Hydrocarbons	3.76	11.0	mg/kg dry		3.74			0.533	50	
Lube Oil Range Hydrocarbons	10.6	27.6	"		11.6			9.01	50	
Surrogate: 2-FBP	7.29		"	9.19		79.3	50-150			
Surrogate: Octacosane	7.68		"	9.19		83.6	50-150			

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 425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
 509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
 32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
 Project Number: 0496017.01
 Project Manager: Ross Dunning

Reported:
 12/28/05 16:33

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM - Quality Control
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes

Batch 5L22050: Prepared 12/22/05 Using EPA 3550B

Blank (5L22050-BLKt)

Acenaphthene	ND	0.0100	mg/kg							
Acenaphthylene	ND	0.0100	"							
Anthracene	ND	0.0100	"							
Benzo (a) anthracene	ND	0.0100	"							
Benzo (a) pyrene	ND	0.0100	"							
Benzo (b) fluoranthene	ND	0.0100	"							
Benzo (k) fluoranthene	ND	0.0100	"							
Benzo (ghi) perylene	ND	0.0100	"							
Chrysene	ND	0.0100	"							
Dibenz (a,h) anthracene	ND	0.0100	"							
Fluoranthene	ND	0.0100	"							
Fluorene	ND	0.0100	"							
Indeno (1,2,3-cd) pyrene	ND	0.0100	"							
1-Methylnaphthalene	ND	0.0100	"							
2-Methylnaphthalene	ND	0.0100	"							
Naphthalene	ND	0.0100	"							
Phenanthrene	ND	0.0100	"							
Pyrene	ND	0.0100	"							
<i>Surrigate: p-Terphenyl-d14</i>	1.62		"	1.67		97.0	50-147			

LCS (5L22050-BSt)

Acenaphthene	0.657	0.0100	mg/kg	0.667		98.5	70-125			
Acenaphthylene	0.650	0.0100	"	0.667		97.5	70-133			
Anthracene	0.767	0.0100	"	0.667		115	70-152			
Benzo (a) anthracene	0.600	0.0100	"	0.667		90.0	60-125			
Benzo (a) pyrene	0.681	0.0100	"	0.667		102	64-134			
Benzo (b) fluoranthene	0.676	0.0100	"	0.667		101	62-147			
Benzo (k) fluoranthene	0.718	0.0100	"	0.667		108	60-144			
Benzo (ghi) perylene	0.700	0.0100	"	0.667		105	57-137			
Chrysene	0.642	0.0100	"	0.667		96.3	70-139			
Dibenz (a,h) anthracene	0.733	0.0100	"	0.667		110	56-140			
Fluoranthene	0.678	0.0100	"	0.667		102	70-141			
Fluorene	0.718	0.0100	"	0.667		108	76-132			
Indeno (1,2,3-cd) pyrene	0.699	0.0100	"	0.667		105	55-138			
1-Methylnaphthalene	0.538	0.0100	"	0.667		80.7	46-128			

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Kate Dunning

Kate Haney, Project Manager

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 415.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
 509.924.9200 fax 509.924.9190
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 503.906.9200 fax 503.906.9210
Bend 20332 Embire Avenue, Suite F-1, Bend, OR 97701-5711
 541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
 32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
 Project Number: 0496017.01
 Project Manager: Ross Dunning

Reported:
 12/28/05 16:33

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM - Quality Control

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch 5L22050: Prepared 12/22/05 Using EPA 3550B

LCS (5L22050-BS1)

2-Methylnaphthalene	0.520	0.0100	mg/kg	0.667		78.0	41-125			
Naphthalene	0.514	0.0100	"	0.667		77.1	43-125			
Phenanthrene	0.636	0.0100	"	0.667		95.4	73-125			
Pyrene	0.612	0.0100	"	0.667		91.8	68-140			
<i>S surrogate: p-Terphenyl-d14</i>	<i>1.57</i>		"	<i>1.67</i>		<i>94.0</i>	<i>50-147</i>			

LCS Dup (5L22050-BSD1)

Acenaphthene	0.691	0.0100	mg/kg	0.667		104	70-125	5.04	40	
Acenaphthylene	0.680	0.0100	"	0.667		102	70-133	4.51	40	
Anthracene	0.780	0.0100	"	0.667		117	70-152	1.68	40	
Benzo (a) anthracene	0.622	0.0100	"	0.667		93.3	60-125	3.60	40	
Benzo (a) pyrene	0.708	0.0100	"	0.667		106	64-134	3.89	26	
Benzo (b) fluoranthene	0.766	0.0100	"	0.667		115	62-147	12.5	40	
Benzo (k) fluoranthene	0.673	0.0100	"	0.667		101	60-144	6.47	40	
Benzo (ghi) perylene	0.717	0.0100	"	0.667		107	57-137	2.40	40	
Chrysene	0.663	0.0100	"	0.667		99.4	70-139	3.22	24	
Dibenz [a,h] anthracene	0.749	0.0100	"	0.667		112	56-140	2.16	40	
Fluoranthene	0.690	0.0100	"	0.667		103	70-141	1.75	40	
Fluorene	0.757	0.0100	"	0.667		113	76-132	5.29	43	
Indeno (1,2,3-cd) pyrene	0.714	0.0100	"	0.667		107	55-138	2.12	39	
1-Methylnaphthalene	0.545	0.0100	"	0.667		81.7	46-128	1.29	40	
2-Methylnaphthalene	0.521	0.0100	"	0.667		78.1	41-125	0.192	40	
Naphthalene	0.520	0.0100	"	0.667		78.0	43-125	1.16	40	
Phenanthrene	0.652	0.0100	"	0.667		97.8	73-125	2.48	40	
Pyrene	0.628	0.0100	"	0.667		94.2	68-140	2.58	40	
<i>S surrogate: p-Terphenyl-d14</i>	<i>1.60</i>		"	<i>1.67</i>		<i>95.8</i>	<i>50-147</i>			

Matrix Spike (5L22050-MS1)

Source: B5L0522-01

Acenaphthene	0.616	0.0114	mg/kg dry	0.762	ND	80.8	67-132			
Acenaphthylene	0.630	0.0114	"	0.762	ND	82.7	65-142			
Anthracene	0.731	0.0114	"	0.762	ND	95.9	66-158			
Benzo (a) anthracene	0.591	0.0114	"	0.762	0.00167	77.3	41-156			
Benzo (a) pyrene	0.663	0.0114	"	0.762	ND	87.0	52-148			Q-39
Benzo (b) fluoranthene	0.955	0.0114	"	0.762	ND	125	53-151			Q-39
Benzo (k) fluoranthene	0.892	0.0114	"	0.762	ND	117	46-161			Q-39

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Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9100 fax 907.563.9110

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32001 32nd Ave S Ste 100
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Project: BNSF-Harborview Park
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12/28/05 16:33

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM - Quality Control
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch 5L22050: Prepared 12/22/05 Using EPA 3550B

Matrix Spike (5L22050-MS1)

Source: B5L0522-01

Benzo (ghi) perylene	0.271	0.0114	mg/kg dry	0.762	0.00342	35.1	26-154			Q-39
Chrysene	0.600	0.0114	"	0.762	0.00995	77.4	55-155			
Dibenz (a,h) anthracene	0.335	0.0114	"	0.762	ND	44.0	27-157			Q-39
Fluoranthene	0.627	0.0114	"	0.762	0.00395	81.8	46-172			
Fluorene	0.700	0.0114	"	0.762	ND	91.9	66-143			
Indeno (1,2,3-ed) pyrene	0.311	0.0114	"	0.762	ND	40.8	24-159			Q-39
1-Methylnaphthalene	0.565	0.0114	"	0.762	0.0194	71.6	39-140			
2-Methylnaphthalene	0.552	0.0114	"	0.762	0.0237	69.3	32-139			
Naphthalene	0.498	0.0114	"	0.762	0.00205	65.1	38-134			
Phenanthrene	0.643	0.0114	"	0.762	0.0167	82.2	63-139			
Pyrene	0.878	0.0114	"	0.762	0.00471	115	51-172			
Surrogate: p-Terphenyl-d14	2.32		"	1.90		122	50-147			

Matrix Spike Dup (5L22050-MSD1)

Source: B5L0522-01

Acenaphthene	0.659	0.0114	mg/kg dry	0.757	ND	87.1	67-132	6.75	50	
Acenaphthylene	0.688	0.0114	"	0.757	ND	90.9	65-142	8.80	50	
Anthracene	0.817	0.0114	"	0.757	ND	108	66-158	11.1	50	
Benzo (a) anthracene	0.662	0.0114	"	0.757	0.00167	87.2	41-156	11.3	50	
Benzo (a) pyrene	0.737	0.0114	"	0.757	ND	97.4	52-148	10.6	50	Q-39
Benzo (b) fluoranthene	1.11	0.0114	"	0.757	ND	147	53-151	15.0	50	Q-39
Benzo (k) fluoranthene	1.03	0.0114	"	0.757	ND	136	46-161	14.4	50	Q-39
Benzo (ghi) perylene	0.340	0.0114	"	0.757	0.00342	44.5	26-154	22.6	50	Q-39
Chrysene	0.670	0.0114	"	0.757	0.00995	87.2	55-155	11.0	44	
Dibenz (a,h) anthracene	0.407	0.0114	"	0.757	ND	53.8	27-157	19.4	50	Q-39
Fluoranthene	0.689	0.0114	"	0.757	0.00395	90.5	46-172	9.42	50	
Fluorene	0.782	0.0114	"	0.757	ND	103	66-143	11.1	52	
Indeno (1,2,3-ed) pyrene	0.370	0.0114	"	0.757	ND	48.9	24-159	17.3	43	Q-39
1-Methylnaphthalene	0.602	0.0114	"	0.757	0.0194	77.0	39-140	6.34	50	
2-Methylnaphthalene	0.588	0.0114	"	0.757	0.0237	74.5	32-139	6.32	50	
Naphthalene	0.541	0.0114	"	0.757	0.00205	71.2	38-134	8.28	50	
Phenanthrene	0.696	0.0114	"	0.757	0.0167	89.7	63-139	7.92	50	
Pyrene	1.21	0.0114	"	0.757	0.00471	159	51-172	31.8	50	
Surrogate: p-Terphenyl-d14	3.22		"	1.89		170	50-147			S-04

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425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbys Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
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907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
12/28/05 16:33

Physical Parameters by APHA/ASTM/EPA Methods - Quality Control
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch 5L22055: Prepared 12/24/05 Using Dry Weight

Blank (5L22055-BLK1)

Dry Weight	100	1.00	%							

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425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20312 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
12/28/05 16:33

Notes and Definitions

D-06 The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

E Estimated value. The reported value exceeds the calibration range of the analysis.

Q-39 The internal standard associated with this analyte was biased low and outside acceptance criteria. Re-analysis verified the original result.

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

North Creek Analytical - Bothell

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Kale Haney, Project Manager

North Creek Analytical, Inc.
Environmental Laboratory Network

Page 16 of 16



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425.420.9200 fax 425.420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

10 January 2006

Ross Dunning
Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001
RE: BNSF-Harborview Park

Enclosed are the results of analyses for samples received by the laboratory on 01/04/06 16:45. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kate Haney
Project Manager



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
 425.420.9100 fax 415.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
 509.924.9200 fax 509.924.9290
Portland 9405 SW Nimdus Avenue, Beaverton, OR 97008-7132
 503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
 32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
 Project Number: 0496017.01
 Project Manager: Ross Dunning

Reported:
 01/10/06 16:01

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
OWS-1A	B6A0040-01	Soil	12/27/05 13:30	01/04/06 16:45
OWS-1B	B6A0040-02	Soil	12/27/05 13:31	01/04/06 16:45
p- 37-2.5	B6A0040-03	Soil	12/29/05 09:30	01/04/06 16:45
p- 40-1.5	B6A0040-04	Soil	12/29/05 11:45	01/04/06 16:45
p- 41-1.5	B6A0040-05	Soil	12/29/05 14:25	01/04/06 16:45
F-3-6	B6A0040-06	Soil	12/29/05 14:35	01/04/06 16:45
F-4-6	B6A0040-07	Soil	12/29/05 14:40	01/04/06 16:45
L-2-5	B6A0040-08	Soil	12/29/05 15:00	01/04/06 16:45
p- 42-1.5	B6A0040-09	Soil	12/30/05 10:00	01/04/06 16:45
p- 43-1.5	B6A0040-10	Soil	01/03/06 10:15	01/04/06 16:45
p- 44-1.5	B6A0040-11	Soil	01/03/06 15:00	01/04/06 16:45
H-2-9	B6A0040-12	Soil	01/03/06 13:08	01/04/06 16:45
G-3-6	B6A0040-13	Soil	01/04/06 10:00	01/04/06 16:45
G-4-6	B6A0040-14	Soil	01/04/06 10:10	01/04/06 16:45
L-3-6	B6A0040-15	Soil	01/04/06 14:40	01/04/06 16:45
M-3-8	B6A0040-16	Soil	01/04/06 15:00	01/04/06 16:45
M-4-8	B6A0040-17	Soil	01/04/06 15:05	01/04/06 16:45
L-4-5	B6A0040-18	Soil	01/04/06 15:15	01/04/06 16:45
K-4-5	B6A0040-19	Soil	01/04/06 15:20	01/04/06 16:45

North Creek Analytical - Bothell

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Kate Haney, Project Manager

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Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimdus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
01/10/06 16:01

Semivolatile Petroleum Products by NWTPH-Dx with Acid/Silica Gel Clean-up
North Creek Analytical - Bothell

Analyste	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
OWS-1A (B6A0040-01) Soil Sampled: 12/27/05 13:30 Received: 01/04/06 16:45									
Diesel Range Hydrocarbons	15.8	12.1	mg/kg dry	1	6A04073	01/04/06	01/06/06	NWTPH-Dx	D-09
Lube Oil Range Hydrocarbons	ND	30.2	"	"	"	"	"	"	
Surrogate: 2-FBP	74.7 %	50-150			"	"	"	"	
Surrogate: Octacosane	86.5 %	50-150			"	"	"	"	
OWS-1B (B6A0040-02) Soil Sampled: 12/27/05 13:31 Received: 01/04/06 16:45									
Diesel Range Hydrocarbons	ND	12.0	mg/kg dry	1	6A04073	01/04/06	01/06/06	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	30.1	"	"	"	"	"	"	
Surrogate: 2-FBP	96.2 %	50-150			"	"	"	"	
Surrogate: Octacosane	98.6 %	50-150			"	"	"	"	
37-2.5 (B6A0040-03) Soil Sampled: 12/29/05 09:30 Received: 01/04/06 16:45									
Diesel Range Hydrocarbons	254	69.6	mg/kg dry	5	6A04073	01/04/06	01/06/06	NWTPH-Dx	D-09
Lube Oil Range Hydrocarbons	652	174	"	"	"	"	"	"	
Surrogate: 2-FBP	79.7 %	50-150			"	"	"	"	
Surrogate: Octacosane	92.2 %	50-150			"	"	"	"	
40-1.5 (B6A0040-04) Soil Sampled: 12/29/05 11:45 Received: 01/04/06 16:45									
Diesel Range Hydrocarbons	ND	13.5	mg/kg dry	1	6A04073	01/04/06	01/06/06	NWTPH-Dx	
Lube Oil Range Hydrocarbons	41.9	33.8	"	"	"	"	"	"	
Surrogate: 2-FBP	80.5 %	50-150			"	"	"	"	
Surrogate: Octacosane	87.1 %	50-150			"	"	"	"	
41-1.5 (B6A0040-05) Soil Sampled: 12/29/05 14:25 Received: 01/04/06 16:45									
Diesel Range Hydrocarbons	43.0	12.6	mg/kg dry	1	6A04073	01/04/06	01/06/06	NWTPH-Dx	D-09
Lube Oil Range Hydrocarbons	123	31.5	"	"	"	"	"	"	
Surrogate: 2-FBP	77.1 %	50-150			"	"	"	"	
Surrogate: Octacosane	85.0 %	50-150			"	"	"	"	

North Creek Analytical - Bothell

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Kate Haney, Project Manager

North Creek Analytical, Inc.
Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
425.420.9100 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.914.9200 fax 509.924.9290
Portland 9405 SW Nimdus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 10332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
01/10/06 16:01

Semivolatile Petroleum Products by NWTPH-Dx with Acid/Silica Gel Clean-up
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
F-3-6 (B6A0040-06) Soil Sampled: 12/29/05 14:35 Received: 01/04/06 16:45									
Diesel Range Hydrocarbons	ND	11.7	mg/kg dry	1	6A04073	01/04/06	01/06/06	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	29.3	"	"	"	"	"	"	
Surrogate: 2-FBP	87.0 %	50-150			"	"	"	"	
Surrogate: Octacosane	95.1 %	50-150			"	"	"	"	
F-4-6 (B6A0040-07) Soil Sampled: 12/29/05 14:40 Received: 01/04/06 16:45									
Diesel Range Hydrocarbons	ND	12.6	mg/kg dry	1	6A04073	01/04/06	01/06/06	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	31.6	"	"	"	"	"	"	
Surrogate: 2-FBP	91.7 %	50-150			"	"	"	"	
Surrogate: Octacosane	97.1 %	50-150			"	"	"	"	
L-2-5 (B6A0040-08) Soil Sampled: 12/29/05 15:00 Received: 01/04/06 16:45									
Diesel Range Hydrocarbons	ND	11.2	mg/kg dry	1	6A04073	01/04/06	01/06/06	NWTPH-Dx	
Lube Dil Range Hydrocarbons	ND	28.0	"	"	"	"	"	"	
Surrogate: 2-FBP	84.2 %	50-150			"	"	"	"	
Surrogate: Octacosane	97.0 %	50-150			"	"	"	"	
42-1.S (B6A0040-09) Soil Sampled: 12/30/05 10:00 Received: 01/04/06 16:45									
Diesel Range Hydrocarbons	ND	11.4	mg/kg dry	1	6A04073	01/04/06	01/06/06	NWTPH-Dx	
Lube Dil Range Hydrocarbons	ND	28.4	"	"	"	"	"	"	
Surrogate: 2-FBP	65.3 %	50-150			"	"	"	"	
Surrogate: Octacosane	85.4 %	50-150			"	"	"	"	
43-1.S (B6A0040-10) Soil Sampled: 01/03/06 10:15 Received: 01/04/06 16:45									
Diesel Range Hydrocarbons	ND	11.1	mg/kg dry	1	6A04073	01/04/06	01/06/06	NWTPH-Dx	
Lube Dil Range Hydrocarbons	ND	27.8	"	"	"	"	"	"	
Surrogate: 2-FBP	86.5 %	50-150			"	"	"	"	
Surrogate: Octacosane	95.5 %	50-150			"	"	"	"	

North Creek Analytical - Bothell

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Kale Haney, Project Manager

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Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-6244
425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimpus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: **BNSF-Harborview Park**
Project Number: **0496017.01**
Project Manager: **Ross Dunning**

Reported:
01/10/06 16:01

Semivolatile Petroleum Products by NWTPH-Dx with Acid/Silica Gel Clean-up
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
44-1.5 (B6A0040-11) Soil Sampled: 01/03/06 15:00 Received: 01/04/06 16:45									
Diesel Range Hydrocarbons	ND	11.7	mg/kg dry	1	6A04073	01/04/06	01/06/06	NWTPH-Dx	
Lube Oil Range Hydrocarbons	58.8	29.2	"	"	"	"	"	"	
Surrogate: 2-FBP	84.1 %	50-150			"	"	"	"	
Surrogate: Octacosane	91.3 %	50-150			"	"	"	"	
H-2-9 (B6A0040-12) Soil Sampled: 01/03/06 13:08 Received: 01/04/06 16:45									
Diesel Range Hydrocarbons	ND	10.5	mg/kg dry	1	6A04073	01/04/06	01/06/06	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	26.3	"	"	"	"	"	"	
Surrogate: 2-FBP	90.2 %	50-150			"	"	"	"	
Surrogate: Octacosane	96.5 %	50-150			"	"	"	"	
G-3-6 (B6A0040-13) Soil Sampled: 01/04/06 10:00 Received: 01/04/06 16:45									
Diesel Range Hydrocarbons	ND	12.4	mg/kg dry	1	6A04073	01/04/06	01/06/06	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	31.1	"	"	"	"	"	"	
Surrogate: 2-FBP	88.9 %	50-150			"	"	"	"	
Surrogate: Octacosane	99.0 %	50-150			"	"	"	"	
G-4-6 (B6A0040-14) Soil Sampled: 01/04/06 10:10 Received: 01/04/06 16:45									
Diesel Range Hydrocarbons	ND	12.2	mg/kg dry	1	6A04073	01/04/06	01/06/06	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	30.5	"	"	"	"	"	"	
Surrogate: 2-FBP	79.0 %	50-150			"	"	"	"	
Surrogate: Octacosane	86.7 %	50-150			"	"	"	"	
L-3-6 (B6A0040-15) Soil Sampled: 01/04/06 14:40 Received: 01/04/06 16:45									
Diesel Range Hydrocarbons	ND	10.5	mg/kg dry	1	6A04073	01/04/06	01/06/06	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	26.3	"	"	"	"	"	"	
Surrogate: 2-FBP	87.3 %	50-150			"	"	"	"	
Surrogate: Octacosane	99.7 %	50-150			"	"	"	"	

North Creek Analytical - Bothell

Kate Haney, Project Manager

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North Creek Analytical, Inc.
Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 10332 Embury Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
01/10/06 16:01

Semivolatile Petroleum Products by NWTPH-Dx with Acid/Silica Gel Clean-up
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-3-8 (B6A0040-16) Soil Sampled: 01/04/06 15:00 Received: 01/04/06 16:45									
Diesel Range Hydrocarbons	ND	12.4	mg/kg dry	I	6A04073	01/04/06	01/06/06	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	30.9	"	"	"	"	"	"	
Surrogate: 2-FBP	87.4 %	50-150			"	"	"	"	
Surrogate: Octacosane	95.8 %	50-150			"	"	"	"	
M-4-8 (B6A0040-17) Soil Sampled: 01/04/06 15:05 Received: 01/04/06 16:45									
Diesel Range Hydrocarbons	ND	11.9	mg/kg dry	I	6A04073	01/04/06	01/06/06	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	29.8	"	"	"	"	"	"	
Surrogate: 2-FBP	95.4 %	50-150			"	"	"	"	
Surrogate: Octacosane	103 %	50-150			"	"	"	"	
L-4-5 (B6A0040-18) Soil Sampled: 01/04/06 15:15 Received: 01/04/06 16:45									
Diesel Range Hydrocarbons	ND	12.4	mg/kg dry	I	6A04073	01/04/06	01/06/06	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	31.0	"	"	"	"	"	"	
Surrogate: 2-FBP	92.6 %	50-150			"	"	"	"	
Surrogate: Octacosane	102 %	50-150			"	"	"	"	
K-4-5 (B6A0040-19) Soil Sampled: 01/04/06 15:20 Received: 01/04/06 16:45									
Diesel Range Hydrocarbons	ND	12.1	mg/kg dry	I	6A04073	01/04/06	01/06/06	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	30.2	"	"	"	"	"	"	
Surrogate: 2-FBP	86.6 %	50-150			"	"	"	"	
Surrogate: Octacosane	97.1 %	50-150			"	"	"	"	

North Creek Analytical - Bothell

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Kale Haney, Project Manager

North Creek Analytical, Inc.
Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7112
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

Kenriedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
01/10/06 16:01

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
OWS-1A (B6A0040-01) Soil Sampled: 12/27/05 13:30 Received: 01/04/06 16:45									
Acenaphthene	ND	0.0121	mg/kg dry	t	6A04072	01/04/06	01/09/06	EPA 8270-SIM	
Acenaphthylene	ND	0.0121	"	"	"	"	"	"	
Anthracene	ND	0.0121	"	"	"	"	"	"	
Benzo (a) anthracene	0.0166	0.0121	"	"	"	"	"	"	
Benzo (a) pyrene	0.0277	0.0121	"	"	"	"	"	"	
Benzo (b) fluoranthene	0.0361	0.0121	"	"	"	"	"	"	
Benzo (k) fluoranthene	0.0194	0.0121	"	"	"	"	"	"	
Benzo (ghi) perylene	0.0269	0.0121	"	"	"	"	"	"	
Chrysene	0.0263	0.0121	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.0121	"	"	"	"	"	"	Q-39
Fluoranthene	0.0133	0.0121	"	"	"	"	"	"	
Fluorene	ND	0.0121	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.0214	0.0121	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.0121	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.0121	"	"	"	"	"	"	
Naphthalene	ND	0.0121	"	"	"	"	"	"	
Phenanthrene	ND	0.0121	"	"	"	"	"	"	
Pyrene	0.0188	0.0121	"	"	"	"	"	"	

Surrogate: *p*-Terphenyl-*d*14

85.1 % 50-147

OWS-1B (B6A0040-02) Soil Sampled: 12/27/05 13:31 Received: 01/04/06 16:45

Acenaphthene	ND	0.0118	mg/kg dry	t	6A04072	01/04/06	01/09/06	EPA 8270-SIM	
Acenaphthylene	ND	0.0118	"	"	"	"	"	"	
Anthracene	ND	0.0118	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.0118	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0118	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0118	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0118	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	0.0118	"	"	"	"	"	"	
Chrysene	ND	0.0118	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.0118	"	"	"	"	"	"	Q-39
Fluoranthene	ND	0.0118	"	"	"	"	"	"	
Fluorene	ND	0.0118	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0118	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.0118	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.0118	"	"	"	"	"	"	
Naphthalene	ND	0.0118	"	"	"	"	"	"	
Phenanthrene	ND	0.0118	"	"	"	"	"	"	

North Creek Analytical - Bothell

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Kate Haney, Project Manager

North Creek Analytical, Inc.
Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1139
907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
01/10/06 16:01

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
OWS-1B (B6A0040-02) Soil Sampled: 12/27/05 13:31 Received: 01/04/06 16:45									
Pyrene	ND	0.0118	mg/kg dry	1	6A04072	01/04/06	01/09/06	EPA 8270-SIM	
Surrogate: p-Terphenyl-d14	107 %	50-147			"	"	"	"	
37-2.5 (B6A0040-03) Soil Sampled: 12/29/05 09:30 Received: 01/04/06 16:45									
Acenaphthene	ND	0.0687	mg/kg dry	5	6A04072	01/04/06	01/10/06	EPA 8270-SIM	
Acenaphthylene	0.421	0.0687	"	"	"	"	"	"	
Anthracene	0.691	0.0687	"	"	"	"	"	"	
Benzo (a) anthracene	0.554	0.0687	"	"	"	"	"	"	
Benzo (a) pyrene	0.862	0.0687	"	"	"	"	"	"	
Benzo (b) fluoranthene	0.813	0.0687	"	"	"	"	"	"	
Benzo (k) fluoranthene	0.846	0.0687	"	"	"	"	"	"	
Benzo (ghi) perylene	0.348	0.0687	"	"	"	"	"	"	
Chrysene	0.975	0.0687	"	"	"	"	"	"	
Dibenz (a,h) anthracene	0.160	0.0687	"	"	"	"	"	"	Q-39
Fluoranthene	0.664	0.0687	"	"	"	"	"	"	
Fluorene	ND	0.0687	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.391	0.0687	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.0687	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.0687	"	"	"	"	"	"	
Naphthalene	0.0815	0.0687	"	"	"	"	"	"	
Phenanthrene	0.0774	0.0687	"	"	"	"	"	"	
Pyrene	0.914	0.0687	"	"	"	"	"	"	
Surrogate: p-Terphenyl-d14	86.5 %	50-147			"	"	"	"	
40-1.5 (B6A0040-04) Soil Sampled: 12/29/05 11:45 Received: 01/04/06 16:45									
Acenaphthene	ND	0.0133	mg/kg dry	1	6A04072	01/04/06	01/09/06	EPA 8270-SIM	
Acenaphthylene	0.0238	0.0133	"	"	"	"	"	"	
Anthracene	0.243	0.0133	"	"	"	"	"	"	
Benzo (a) anthracene	0.796	0.0133	"	"	"	"	"	"	
Benzo (a) pyrene	0.616	0.0133	"	"	"	"	"	"	
Benzo (b) fluoranthene	0.682	0.0133	"	"	"	"	"	"	
Benzo (k) fluoranthene	0.545	0.0133	"	"	"	"	"	"	
Benzo (ghi) perylene	0.241	0.0133	"	"	"	"	"	"	
Chrysene	1.76	0.0133	"	"	"	"	"	"	
Dibenz (a,h) anthracene	0.101	0.0133	"	"	"	"	"	"	Q-39
Fluoranthene	2.71	0.0133	"	"	"	"	"	"	E
Fluorene	0.0281	0.0133	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.247	0.0133	"	"	"	"	"	"	

North Creek Analytical - Bothell

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North Creek Analytical, Inc.
Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
01/10/06 16:01

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
40-1.5 (B6A0040-04) Soil Sampled: 12/29/05 11:45 Received: 01/04/06 16:45									
1-Methylnaphthalene	ND	0.0133	mg/kg dry	1	6A04072	01/04/06	01/09/06	EPA 8270-SIM	
2-Methylnaphthalene	ND	0.0133	"	"	"	"	"	"	
Naphthalene	ND	0.0133	"	"	"	"	"	"	
Phenanthrene	0.477	0.0133	"	"	"	"	"	"	
Pyrene	1.70	0.0133	"	"	"	"	"	"	
Surrogate: p-Terphenyl-d14	87.8 %	50-147			"	"	"	"	
40-1.5 (B6A0040-04RE1) Soil Sampled: 12/29/05 11:45 Received: 01/04/06 16:45									
Fluoranthene	2.41	0.0663	mg/kg dry	5	6A04072	01/04/06	01/10/06	EPA 8270-SIM	
Surrogate: p-Terphenyl-d14	77.8 %	50-147			"	"	"	"	
41-1.5 (B6A0040-05) Soil Sampled: 12/29/05 14:25 Received: 01/04/06 16:45									
Acenaphthene	ND	0.0628	mg/kg dry	5	6A04072	01/04/06	01/09/06	EPA 8270-SIM	
Acenaphthylene	ND	0.0628	"	"	"	"	"	"	
Anthracene	ND	0.0628	"	"	"	"	"	"	
Benzo (a) anthracene	0.0653	0.0628	"	"	"	"	"	"	
Benzo (a) pyrene	0.0682	0.0628	"	"	"	"	"	"	
Benzo (b) fluoranthene	0.102	0.0628	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0628	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	0.0628	"	"	"	"	"	"	
Chrysene	0.0975	0.0628	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.0628	"	"	"	"	"	"	Q-39
Fluoranthene	0.113	0.0628	"	"	"	"	"	"	
Fluorene	ND	0.0628	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0628	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.0628	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.0628	"	"	"	"	"	"	
Naphthalene	ND	0.0628	"	"	"	"	"	"	
Phenanthrene	ND	0.0628	"	"	"	"	"	"	
Pyrene	0.0824	0.0628	"	"	"	"	"	"	
Surrogate: p-Terphenyl-d14	76.1 %	50-147			"	"	"	"	

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Kate Haney, Project Manager

North Creek Analytical, Inc.
Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
 425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
 509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 541.383.9310 fax 541.382.7588
Anchorage 2000 IV International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 947.563.9240 fax 907.563.9210

Kennedy/Jenks Consultants
 32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
 Project Number: 0496017.01
 Project Manager: Ross Dunning

Reported:
 01/10/06 16:01

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
F-3-6 (B6A0040-06) Soil Sampled: 12/29/05 14:35 Received: 01/04/06 16:45									
Acenaphthene	ND	0.0119	mg/kg dry	1	6A04072	01/04/06	01/09/06	EPA 8270-SIM	
Acenaphthylene	ND	0.0119	"	"	"	"	"	"	
Anthracene	ND	0.0119	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.0119	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0119	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0119	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0119	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	0.0119	"	"	"	"	"	"	
Chrysene	ND	0.0119	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.0119	"	"	"	"	"	"	Q-39
Fluoranthene	ND	0.0119	"	"	"	"	"	"	
Fluorene	ND	0.0119	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0119	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.0119	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.0119	"	"	"	"	"	"	
Naphthalene	ND	0.0119	"	"	"	"	"	"	
Phenanthrene	ND	0.0119	"	"	"	"	"	"	
Pyrene	ND	0.0119	"	"	"	"	"	"	
Surrogate: p-Terphenyl-d14	96.0 %	50.147			"	"	"	"	

F-4-6 (B6A0040-07) Soil Sampled: 12/29/05 14:40 Received: 01/04/06 16:45									
Acenaphthene	ND	0.0125	mg/kg dry	1	6A04072	01/04/06	01/09/06	EPA 8270-SIM	
Acenaphthylene	ND	0.0125	"	"	"	"	"	"	
Anthracene	ND	0.0125	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.0125	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0125	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0125	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0125	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	0.0125	"	"	"	"	"	"	
Chrysene	ND	0.0125	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.0125	"	"	"	"	"	"	Q-39
Fluoranthene	ND	0.0125	"	"	"	"	"	"	
Fluorene	ND	0.0125	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0125	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.0125	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.0125	"	"	"	"	"	"	
Naphthalene	ND	0.0125	"	"	"	"	"	"	
Phenanthrene	ND	0.0125	"	"	"	"	"	"	

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Kale Haney, Project Manager

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Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimpus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-3119
907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
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Polynuclear Aromatic Hydrocarbons by GC/MS-SIM
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
F-4-6 (B6A0040-07) Soil Sampled: 12/29/05 14:40 Received: 01/04/06 16:45									
Pyrene	ND	0.0125	mg/kg dry	1	6A04072	01/04/06	01/09/06	EPA 8270-SIM	
Surrogate: p-Terphenyl-d14	100 %	50-147			"	"	"	"	
L-2-5 (B6A0040-08) Soil Sampled: 12/29/05 15:00 Received: 01/04/06 16:45									
Acenaphthene	ND	0.0111	mg/kg dry	1	6A04072	01/04/06	01/09/06	EPA 8270-SIM	
Acenaphthylene	ND	0.0111	"	"	"	"	"	"	
Anthracene	ND	0.0111	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.0111	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0111	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0111	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0111	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	0.0111	"	"	"	"	"	"	
Chrysene	ND	0.0111	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.0111	"	"	"	"	"	"	Q-39
Fluoranthene	ND	0.0111	"	"	"	"	"	"	
Fluorene	ND	0.0111	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0111	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.0111	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.0111	"	"	"	"	"	"	
Naphthalene	ND	0.0111	"	"	"	"	"	"	
Phenanthrene	ND	0.0111	"	"	"	"	"	"	
Pyrene	ND	0.0111	"	"	"	"	"	"	
Surrogate: p-Terphenyl-d14	99.5 %	50-147			"	"	"	"	
42-1.5 (B6A0040-09) Soil Sampled: 12/30/05 10:00 Received: 01/04/06 16:45									
Acenaphthene	ND	0.0115	mg/kg dry	1	6A04072	01/04/06	01/09/06	EPA 8270-SIM	
Acenaphthylene	0.0131	0.0115	"	"	"	"	"	"	
Anthracene	0.0133	0.0115	"	"	"	"	"	"	
Benzo (a) anthracene	0.153	0.0115	"	"	"	"	"	"	
Benzo (a) pyrene	0.146	0.0115	"	"	"	"	"	"	
Benzo (b) fluoranthene	0.104	0.0115	"	"	"	"	"	"	
Benzo (k) fluoranthene	0.126	0.0115	"	"	"	"	"	"	
Benzo (ghi) perylene	0.0832	0.0115	"	"	"	"	"	"	
Chrysene	0.183	0.0115	"	"	"	"	"	"	
Dibenz (a,h) anthracene	0.0342	0.0115	"	"	"	"	"	"	Q-39
Fluoranthene	0.304	0.0115	"	"	"	"	"	"	
Fluorene	ND	0.0115	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.0803	0.0115	"	"	"	"	"	"	

North Creek Analytical - Bothell

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Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
 425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
 509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
 32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

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Reported:
 01/10/06 16:01

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
42-1.5 (B6A0040-09) Soil Sampled: 12/30/05 10:00 Received: 01/04/06 16:45									
1-Methylnaphthalene	ND	0.0115	mg/kg dry	1	6A04072	01/04/06	01/09/06	EPA 8270-SIM	
2-Methylnaphthalene	ND	0.0115	"	"	"	"	"	"	
Naphthalene	ND	0.0115	"	"	"	"	"	"	
Phenanthrene	0.0400	0.0115	"	"	"	"	"	"	
Pyrene	0.203	0.0115	"	"	"	"	"	"	
Surrogate: p-Terphenyl-d14	87.0 %	50-147			"	"	"	"	
43-1.5 (B6A0040-10) Soil Sampled: 01/03/06 10:15 Received: 01/04/06 16:45									
Acenaphthene	ND	0.0110	mg/kg dry	1	6A04072	01/04/06	01/09/06	EPA 8270-SIM	
Acenaphthylene	ND	0.0110	"	"	"	"	"	"	
Anthracene	0.0335	0.0110	"	"	"	"	"	"	
Benzo (a) anthracene	0.327	0.0110	"	"	"	"	"	"	
Benzo (a) pyrene	0.283	0.0110	"	"	"	"	"	"	
Benzo (b) fluoranthene	0.182	0.0110	"	"	"	"	"	"	
Benzo (k) fluoranthene	0.159	0.0110	"	"	"	"	"	"	
Benzo (ghi) perylene	0.138	0.0110	"	"	"	"	"	"	
Chrysene	0.423	0.0110	"	"	"	"	"	"	
Dibenz (a,h) anthracene	0.0506	0.0110	"	"	"	"	"	"	Q-39
Fluoranthene	0.488	0.0110	"	"	"	"	"	"	
Fluorene	ND	0.0110	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.110	0.0110	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.0110	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.0110	"	"	"	"	"	"	
Naphthalene	ND	0.0110	"	"	"	"	"	"	
Phenanthrene	0.121	0.0110	"	"	"	"	"	"	
Pyrene	0.591	0.0110	"	"	"	"	"	"	
Surrogate: p-Terphenyl-d14	78.3 %	50-147			"	"	"	"	

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Kate Hancy, Project Manager

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 Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
 425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
 509.924.9200 fax 509.924.9290
Portland 9405 SW Nimpus Avenue, Beaverton, OR 97008-7132
 503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 541.383.9310 fax 541.382.7588
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 32001 32nd Ave S Ste 100
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Polynuclear Aromatic Hydrocarbons by GC/MS-SIM
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
44-1.5 (B6A0040-11) Soil Sampled: 01/03/06 15:00 Received: 01/04/06 16:45									
Acenaphthene	ND	0.0116	mg/kg dry	I	6A04072	01/04/06	01/10/06	EPA 8270-SIM	
Acenaphthylene	0.0198	0.0116	"	"	"	"	"	"	
Anthracene	ND	0.0116	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.0116	"	"	"	"	"	"	
Benzo (a) pyrene	0.0552	0.0116	"	"	"	"	"	"	
Benzo (b) fluoranthene	0.0699	0.0116	"	"	"	"	"	"	
Benzo (k) fluoranthene	0.0353	0.0116	"	"	"	"	"	"	
Benzo (ghi) perylene	0.0774	0.0116	"	"	"	"	"	"	
Chrysene	0.0461	0.0116	"	"	"	"	"	"	
Dibenz (a,h) anthracene	0.0309	0.0116	"	"	"	"	"	"	Q-39
Fluoranthene	ND	0.0116	"	"	"	"	"	"	
Fluorene	ND	0.0116	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.0438	0.0116	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.0116	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.0116	"	"	"	"	"	"	
Naphthalene	ND	0.0116	"	"	"	"	"	"	
Phenanthrene	ND	0.0116	"	"	"	"	"	"	
Pyrene	0.0130	0.0116	"	"	"	"	"	"	

Surrogate: p-Terphenyl-d14

103 % 50-147

H-2-9 (B6A0040-12) Soil Sampled: 01/03/06 13:08 Received: 01/04/06 16:45

Acenaphthene	ND	0.0106	mg/kg dry	I	6A04072	01/04/06	01/09/06	EPA 8270-SIM	
Acenaphthylene	ND	0.0106	"	"	"	"	"	"	
Anthracene	ND	0.0106	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.0106	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0106	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0106	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0106	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	0.0106	"	"	"	"	"	"	
Chrysene	ND	0.0106	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.0106	"	"	"	"	"	"	Q-39
Fluoranthene	ND	0.0106	"	"	"	"	"	"	
Fluorene	ND	0.0106	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0106	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.0106	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.0106	"	"	"	"	"	"	
Naphthalene	ND	0.0106	"	"	"	"	"	"	
Phenanthrene	ND	0.0106	"	"	"	"	"	"	

North Creek Analytical - Bothell

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Kate Haney, Project Manager

North Creek Analytical, Inc.
 Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.924.9290
Portland 9005 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
01/10/06 16:01

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
H-2-9 (B6A0040-12) Soil Sampled: 01/03/06 13:08 Received: 01/04/06 16:45									
Pyrene	ND	0.0106	mg/kg dry	1	6A04072	01/04/06	01/09/06	EPA 8270-SIM	
Surrogate: p-Terphenyl-d14	103 %	50-147			"	"	"	"	
G-3-6 (B6A0040-13) Soil Sampled: 01/04/06 10:00 Received: 01/04/06 16:45									
Acenaphthene	0.0223	0.0123	mg/kg dry	1	6A04072	01/04/06	01/09/06	EPA 8270-SIM	
Acenaphthylene	ND	0.0123	"	"	"	"	"	"	
Anthracene	0.0241	0.0123	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.0123	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0123	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0123	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0123	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	0.0123	"	"	"	"	"	"	
Chrysene	0.0143	0.0123	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.0123	"	"	"	"	"	"	Q-39
Fluoranthene	0.180	0.0123	"	"	"	"	"	"	
Fluorene	0.0543	0.0123	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0123	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.0123	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.0123	"	"	"	"	"	"	
Naphthalene	0.0628	0.0123	"	"	"	"	"	"	
Phenanthrene	0.0539	0.0123	"	"	"	"	"	"	
Pyrene	0.0789	0.0123	"	"	"	"	"	"	
Surrogate: p-Terphenyl-d14	97.6 %	50-147			"	"	"	"	
G-4-6 (B6A0040-14) Soil Sampled: 01/04/06 10:10 Received: 01/04/06 16:45									
Acenaphthene	ND	0.0123	mg/kg dry	1	6A04072	01/04/06	01/09/06	EPA 8270-SIM	
Acenaphthylene	ND	0.0123	"	"	"	"	"	"	
Anthracene	ND	0.0123	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.0123	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0123	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0123	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0123	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	0.0123	"	"	"	"	"	"	
Chrysene	ND	0.0123	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.0123	"	"	"	"	"	"	Q-39
Fluoranthene	ND	0.0123	"	"	"	"	"	"	
Fluorene	ND	0.0123	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0123	"	"	"	"	"	"	

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Kate Haney

Kate Haney, Project Manager

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Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97702-5712
541.383.9320 fax 542.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
01/10/06 16:01

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
G-4-6 (B6A0040-14) Soil Sampled: 01/04/06 10:10 Received: 01/04/06 16:45									
1-Methylnaphthalene	ND	0.0123	mg/kg dry	1	6A04072	01/04/06	01/09/06	EPA 8270-SIM	
2-Methylnaphthalene	ND	0.0123	"	"	"	"	"	"	
Naphthalene	ND	0.0123	"	"	"	"	"	"	
Phenanthrene	ND	0.0123	"	"	"	"	"	"	
Pyrene	ND	0.0123	"	"	"	"	"	"	
Surrogate: p-Terphenyl-d14	100 %	50-147			"	"	"	"	
L-3-6 (B6A0040-15) Soil Sampled: 01/04/06 14:40 Received: 01/04/06 16:45									
Acenaphthene	ND	0.0105	mg/kg dry	1	6A04072	01/04/06	01/09/06	EPA 8270-SIM	
Acenaphthylene	ND	0.0105	"	"	"	"	"	"	
Anthracene	ND	0.0105	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.0105	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0105	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0105	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0105	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	0.0105	"	"	"	"	"	"	
Chrysene	ND	0.0105	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.0105	"	"	"	"	"	"	Q-39
Fluoranthene	ND	0.0105	"	"	"	"	"	"	
Fluorene	ND	0.0105	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0105	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.0105	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.0105	"	"	"	"	"	"	
Naphthalene	ND	0.0105	"	"	"	"	"	"	
Phenanthrene	ND	0.0105	"	"	"	"	"	"	
Pyrene	ND	0.0105	"	"	"	"	"	"	
Surrogate: p-Terphenyl-d14	103 %	50-147			"	"	"	"	

North Creek Analytical - Bothell

Kate Haney, Project Manager

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Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
425.420.9200 fax 425.420.9230
Spokane 31922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Emdre Avenue, Suite F-3, Bend, OR 97703-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-30, Anchorage, AK 99502-1139
907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
01/10/06 16:01

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM
North Creek Analytical - Bothell

Analyte	Result	Reponing Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-3-8 (B6A0040-16) Soil Sampled: 01/04/06 15:00 Received: 01/04/06 16:45									
Acenaphthene	ND	0.0124	mg/kg dry	1	6A04072	01/04/06	01/09/06	EPA 8270-SIM	
Acenaphthylene	ND	0.0124	"	"	"	"	"	"	
Anthracene	ND	0.0124	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.0124	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0124	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0124	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0124	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	0.0124	"	"	"	"	"	"	
Chrysene	ND	0.0124	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.0124	"	"	"	"	"	"	Q-39
Fluoranthene	ND	0.0124	"	"	"	"	"	"	
Fluorene	ND	0.0124	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0124	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.0124	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.0124	"	"	"	"	"	"	
Naphthalene	ND	0.0124	"	"	"	"	"	"	
Phenanthrene	ND	0.0124	"	"	"	"	"	"	
Pyrene	ND	0.0124	"	"	"	"	"	"	

Surrogate: p-Terphenyl-d14 95.7 % 50-147

M-4-8 (B6A0040-17) Soil Sampled: 01/04/06 15:05 Received: 01/04/06 16:45

Acenaphthene	ND	0.0118	mg/kg dry	1	6A04072	01/04/06	01/09/06	EPA 8270-SIM	
Acenaphthylene	ND	0.0118	"	"	"	"	"	"	
Anthracene	ND	0.0118	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.0118	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0118	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0118	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0118	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	0.0118	"	"	"	"	"	"	
Chrysene	ND	0.0118	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.0118	"	"	"	"	"	"	Q-39
Fluoranthene	ND	0.0118	"	"	"	"	"	"	
Fluorene	ND	0.0118	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0118	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.0118	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.0118	"	"	"	"	"	"	
Naphthalene	ND	0.0118	"	"	"	"	"	"	
Phenanthrene	ND	0.0118	"	"	"	"	"	"	

North Creek Analytical - Bothell

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Kale Haney, Project Manager

North Creek Analytical, Inc.
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Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9100 fax 907.563.9110

Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
01/10/06 16:01

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-4-8 (B6A0040-17) Soil Sampled: 01/04/06 15:05 Received: 01/04/06 16:45									
Pyrene	ND	0.0118	mg/kg dry	1	6A04072	01/04/06	01/09/06	EPA 8270-SIM	
Surrogate: p-Terphenyl-d14	105 %	50-147			"	"	"	"	
L-4-5 (B6A0040-18) Soil Sampled: 01/04/06 15:15 Received: 01/04/06 16:45									
Acenaphthene	ND	0.0123	mg/kg dry	1	6A04072	01/04/06	01/09/06	EPA 8270-SIM	
Acenaphthylene	ND	0.0123	"	"	"	"	"	"	
Anthracene	ND	0.0123	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.0123	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0123	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0123	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0123	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	0.0123	"	"	"	"	"	"	
Chrysene	ND	0.0123	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.0123	"	"	"	"	"	"	Q-39
Fluoranthene	ND	0.0123	"	"	"	"	"	"	
Fluorene	ND	0.0123	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0123	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.0123	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.0123	"	"	"	"	"	"	
Naphthalene	ND	0.0123	"	"	"	"	"	"	
Phenanthrene	ND	0.0123	"	"	"	"	"	"	
Pyrene	ND	0.0123	"	"	"	"	"	"	
Surrogate: p-Terphenyl-d14	110 %	50-147			"	"	"	"	
K-4-5 (B6A0040-19) Soil Sampled: 01/04/06 15:20 Received: 01/04/06 16:45									
Acenaphthene	ND	0.0121	mg/kg dry	1	6A04072	01/04/06	01/09/06	EPA 8270-SIM	
Acenaphthylene	ND	0.0121	"	"	"	"	"	"	
Anthracene	ND	0.0121	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.0121	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0121	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0121	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0121	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	0.0121	"	"	"	"	"	"	
Chrysene	ND	0.0121	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.0121	"	"	"	"	"	"	Q-39
Fluoranthene	ND	0.0121	"	"	"	"	"	"	
Fluorene	ND	0.0121	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0121	"	"	"	"	"	"	

North Creek Analytical - Bothell

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Kate Haney, Project Manager

North Creek Analytical, Inc.
Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
425.426.9200 fax 425.426.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
01/10/06 16:01

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM
North Creek Analytical - Bothell

Analyte	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit							
K-4-5 (B6A0040-19) Soil Sampled: 01/04/06 15:20 Received: 01/04/06 16:45									
1-Methylnaphthalene	ND	0.0121	mg/kg dry	1	6A04072	01/04/06	01/09/06	EPA 8270-SIM	
2-Methylnaphthalene	ND	0.0121	"	"	"	"	"	"	
Naphthalene	ND	0.0121	"	"	"	"	"	"	
Phenanthrene	ND	0.0121	"	"	"	"	"	"	
Pyrene	ND	0.0121	"	"	"	"	"	"	
Surrogate: p-Terphenyl-d14	99.0 %	50-147			"	"	"	"	

North Creek Analytical - Bothell

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Kate Hartey, Project Manager

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Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20312 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
01/10/06 16:01

Physical Parameters by APHA/ASTM/EPA Methods
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
OWS-1A (B6A0040-01) Soil Sampled: 12/27/05 13:30 Received: 01/04/06 16:45									
Dry Weight	81.6	1.00	%	1	6A04075	01/04/06	01/06/06	BSOPSP003R08	
OWS-1B (D6A0040-02) Soil Sampled: 12/27/05 13:31 Received: 01/04/06 16:45									
Dry Weight	84.2	1.00	%	1	6A04075	01/04/06	01/06/06	BSOPSP003R08	
37-2.5 (B6A0040-03) Soil Sampled: 12/29/05 09:30 Received: 01/04/06 16:45									
Dry Weight	72.8	1.00	%	1	6A04075	01/04/06	01/06/06	BSOPSP003R08	
40-1.5 (B6A0040-04) Soil Sampled: 12/29/05 11:45 Received: 01/04/06 16:45									
Dry Weight	74.4	1.00	%	1	6A04075	01/04/06	01/06/06	BSOPSP003R08	
41-1.5 (B6A0040-05) Soil Sampled: 12/29/05 14:25 Received: 01/04/06 16:45									
Dry Weight	80.2	1.00	%	1	6A04075	01/04/06	01/06/06	BSOPSP003R08	
F-3-6 (B6A0040-06) Soil Sampled: 12/29/05 14:35 Received: 01/04/06 16:45									
Dry Weight	84.3	1.00	%	1	6A04075	01/04/06	01/06/06	BSOPSP003R08	
F-4-6 (B6A0040-07) Soil Sampled: 12/29/05 14:40 Received: 01/04/06 16:45									
Dry Weight	80.2	1.00	%	1	6A04075	01/04/06	01/06/06	BSOPSP003R08	
L-2-5 (B6A0040-08) Soil Sampled: 12/29/05 15:00 Received: 01/04/06 16:45									
Dry Weight	89.0	1.00	%	1	6A04075	01/04/06	01/06/06	BSOPSP003R08	
42-1.5 (B6A0040-09) Soil Sampled: 12/30/05 10:00 Received: 01/04/06 16:45									
Dry Weight	86.9	1.00	%	1	6A04075	01/04/06	01/06/06	BSOPSP003R08	

North Creek Analytical - Bothell

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Kate Haney, Project Manager

North Creek Analytical, Inc.
Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
 425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
 509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
 32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
 Project Number: 0496017.01
 Project Manager: Ross Dunning

Reported:
 01/10/06 16:01

Physical Parameters by APHA/ASTM/EPA Methods
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
43-1.5 (B6A0040-10) Soil Sampled: 01/03/06 10:15 Received: 01/04/06 16:45									
Bry Weight	90.5	1.00	%	1	6A04075	01/04/06	01/06/06	BSOPSPL003R08	
44-1.5 (B6A0040-11) Soil Sampled: 01/03/06 15:00 Received: 01/04/06 16:45									
Dry Weight	85.6	1.00	%	1	6A04075	01/04/06	01/06/06	BSOPSPL003R08	
H-2-9 (B6A0040-12) Soil Sampled: 01/03/06 13:08 Received: 01/04/06 16:45									
Dry Weight	94.9	1.00	%	1	6A04075	01/04/06	01/06/06	BSOPSPL003R08	
G-3-6 (B6A0040-13) Soil Sampled: 01/04/06 10:00 Received: 01/04/06 16:45									
Dry Weight	79.7	1.00	%	1	6A04075	01/04/06	01/06/06	BSOPSPL003R08	
G-4-6 (B6A0040-14) Soil Sampled: 01/04/06 10:10 Received: 01/04/06 16:45									
Dry Weight	81.4	1.00	%	1	6A04075	01/04/06	01/06/06	BSOPSPL003R08	
L-3-6 (B6A0040-15) Soil Sampled: 01/04/06 14:40 Received: 01/04/06 16:45									
Dry Weight	95.0	1.00	%	1	6A04075	01/04/06	01/06/06	BSOPSPL003R08	
M-3-8 (B6A0040-16) Soil Sampled: 01/04/06 15:00 Received: 01/04/06 16:45									
Dry Weight	80.1	1.00	%	1	6A04075	01/04/06	01/06/06	BSOPSPL003R08	
M-4-8 (B6A0040-17) Soil Sampled: 01/04/06 15:05 Received: 01/04/06 16:45									
Dry Weight	83.8	1.00	%	1	6A04075	01/04/06	01/06/06	BSOPSPL003R08	
L-4-5 (B6A0040-18) Soil Sampled: 01/04/06 15:15 Received: 01/04/06 16:45									
Dry Weight	80.4	1.00	%	1	6A04075	01/04/06	01/06/06	BSOPSPL003R08	

North Creek Analytical - Bothell

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North Creek Analytical, Inc.
 Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.924.9290
Portland 9405 SW Nlmpus Avenue, Beaverton, OR 97008-7232
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1129
907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
01/10/06 16:01

Physical Parameters by APHA/ASTM/EPA Methods
North Creek Analytical - Bothell

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
K-4-5 (B6A0040-19) Soil Sampled: 01/04/06 15:20 Received: 01/04/06 16:45									
Dry Weight	81.5	1.00	%	1	6A04075	01/04/06	01/06/06	BSOPSPL003R08	

North Creek Analytical - Bothell

Kate Haney, Project Manager

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Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
 425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5102
 509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 541.381.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
 32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
 Project Number: 0496017.01
 Project Manager: Ross Dunning

Reported:
 01/10/06 16:01

Semivolatile Petroleum Products by NWTPH-Dx with Acid/Silica Gel Clean-up - Quality Control
 North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6A04073: Prepared 01/04/06 Using EPA 3550B										
Blank (6A04073-BLKt)										
Diesel Range Hydrocarbons	NO	10.0	mg/kg							
Lube Oil Range Hydrocarbons	ND	25.0	"							
Surrogate: 2-FBP	7.46		"	8.33		89.6	50-150			
Surrogate: Octacosane	7.90		"	8.33		94.8	50-150			
LCS (6A04073-BS1)										
Diesel Range Hydrocarbons	69.7	10.0	mg/kg	66.7		104	61-120			
Surrogate: 2-FBP	7.86		"	8.33		94.4	50-150			
LCS Dup (6A04073-BSD1)										
Diesel Range Hydrocarbons	66.9	10.0	mg/kg	66.7		100	61-120	4.10	40	
Surrogate: 2-FBP	7.86		"	8.33		94.4	50-150			
Duplicate (6A04073-DUP1) Source: B6A0040-02										
Diesel Range Hydrocarbons	12.4	12.0	mg/kg dry		8.68			35.3	50	
Lube Oil Range Hydrocarbons	17.8	30.1	"		12.1			38.1	50	
Surrogate: 2-FBP	8.39		"	10.0		83.9	50-150			
Surrogate: Octacosane	9.18		"	10.0		91.8	50-150			

North Creek Analytical - Bothell

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Kate Haney, Project Manager

North Creek Analytical, Inc.
 Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.924.9190
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9300 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
01/10/06 16:01

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM - Quality Control
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch 6A04072: Prepared 01/04/06 Using EPA 3550B

Blank (6A04072-BLK1)

Acenaphthene	ND	0.0100	mg/kg							
Acenaphthylene	ND	0.0100	"							
Anthracene	ND	0.0100	"							
Benzo (a) anthracene	ND	0.0100	"							
Benzo (a) pyrene	ND	0.0100	"							
Benzo (b) fluoranthene	ND	0.0100	"							
Benzo (k) fluoranthene	ND	0.0100	"							
Benzo (ghi) perylene	ND	0.0100	"							
Chrysene	ND	0.0100	"							
Dibenz (a,h) anthracene	ND	0.0100	"							Q-39
Fluoranthene	ND	0.0100	"							
Fluorene	ND	0.0100	"							
Indeno (1,2,3-cd) pyrene	ND	0.0100	"							
1-Methylnaphthalene	ND	0.0100	"							
2-Methylnaphthalene	ND	0.0100	"							
Naphthalene	ND	0.0100	"							
Phenanthrene	ND	0.0100	"							
Pyrene	ND	0.0100	"							
Surrogate: p-Terphenyl-d14	1.69		"	1.67		101	50-147			

LCS (6A04072-BS1)

Acenaphthene	0.570	0.0100	mg/kg	0.667		85.5	70-125			
Acenaphthylene	0.620	0.0100	"	0.667		93.0	70-133			
Anthracene	0.715	0.0100	"	0.667		107	70-152			
Benzo (a) anthracene	0.662	0.0100	"	0.667		99.3	60-125			
Benzo (a) pyrene	0.663	0.0100	"	0.667		99.4	64-134			
Benzo (b) fluoranthene	0.645	0.0100	"	0.667		96.7	62-147			
Benzo (k) fluoranthene	0.572	0.0100	"	0.667		85.8	60-144			
Benzo (ghi) perylene	0.603	0.0100	"	0.667		90.4	57-137			
Chrysene	0.734	0.0100	"	0.667		110	70-139			
Dibenz (a,h) anthracene	0.506	0.0100	"	0.667		75.9	56-140			Q-39
Fluoranthene	0.745	0.0100	"	0.667		112	70-141			
Fluorene	0.628	0.0100	"	0.667		94.2	76-132			
Indeno (1,2,3-cd) pyrene	0.610	0.0100	"	0.667		91.5	55-138			
1-Methylnaphthalene	0.619	0.0100	"	0.667		92.8	46-128			

North Creek Analytical - Bothell

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Kate Haney, Project Manager

North Creek Analytical, Inc.
Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-B244
 425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5102
 509.924.9200 fax 509.924.9290
Portland 9405 SW Nimrod Avenue, Beaverton, OR 97008-7132
 503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
 32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
 Project Number: 0496017.01
 Project Manager: Ross Dunning

Reported:
 01/10/06 16:01

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM - Quality Control
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch 6A04072: Prepared 01/04/06 Using EPA 3550B

LCS (6A04072-BS1)

2-Methylnaphthalene	0.595	0.0100	mg/kg	0.667		89.2	41-125			
Naphthalene	0.615	0.0100	"	0.667		92.2	43-125			
Phenanthrene	0.583	0.0100	"	0.667		87.4	73-125			
Pyrene	0.561	0.0100	"	0.667		84.1	68-140			
Surrogate: p-Terphenyl-d14	1.64		"	1.67		98.2	50-147			

LCS Dup (6A04072-BSD1)

Acenaphthene	0.596	0.0100	mg/kg	0.667		89.4	70-125	4.46	40	
Acenaphthylene	0.643	0.0100	"	0.667		96.4	70-133	3.64	40	
Anthracene	0.759	0.0100	"	0.667		114	70-152	5.97	40	
Benzo (a) anthracene	0.702	0.0100	"	0.667		105	60-125	5.87	40	
Benzo (a) pyrene	0.703	0.0100	"	0.667		105	64-134	5.86	26	
Benzo (b) fluoranthene	0.618	0.0100	"	0.667		92.7	62-147	4.28	40	
Benzo (k) fluoranthene	0.655	0.0100	"	0.667		98.2	60-144	13.5	40	
Benzo (ghi) perylene	0.641	0.0100	"	0.667		96.1	57-137	6.11	40	
Chrysene	0.782	0.0100	"	0.667		117	70-139	6.33	24	
Dibenz (a,h) anthracene	0.544	0.0100	"	0.667		81.6	56-140	7.24	40	Q-39
Fluoranthene	0.798	0.0100	"	0.667		120	70-141	6.87	40	
Fluorene	0.660	0.0100	"	0.667		99.0	76-132	4.97	43	
Indeno (1,2,3-cd) pyrene	0.651	0.0100	"	0.667		97.6	55-138	6.50	39	
1-Methylnaphthalene	0.632	0.0100	"	0.667		94.8	46-128	2.08	40	
2-Methylnaphthalene	0.617	0.0100	"	0.667		92.5	41-125	3.63	40	
Naphthalene	0.637	0.0100	"	0.667		95.5	43-125	3.51	40	
Phenanthrene	0.611	0.0100	"	0.667		91.6	73-125	4.69	40	
Pyrene	0.589	0.0100	"	0.667		88.3	68-140	4.87	40	
Surrogate: p-Terphenyl-d14	1.74		"	1.67		104	50-147			

North Creek Analytical - Bothell

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Kate Haney

Kate Haney, Project Manager

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425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
01/10/06 16:01

Physical Parameters by APHA/ASTM/EPA Methods - Quality Control
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch 6A04075: Prepared 01/04/06 Using Dry Weight

Blank (6A04075-BLK1)

Dry Weight	99.8	1.00	%							

North Creek Analytical - Bothell

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Kate Haney, Project Manager

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Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Emplre Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9110

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32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
01/10/06 16:01

Notes and Definitions

D-09 Results in the diesel organics range are primarily due to overlap from a heavy oil range product.

E Estimated value. The reported value exceeds the calibration range of the analysis.

Q-39 The internal standard associated with this analyte was biased low and outside acceptance criteria. Re-analysis verified the original result.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

North Creek Analytical - Bothell

Kate Haney, Project Manager

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Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
425.420.9200 fax 425.420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimous Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

12 January 2006

Ross Dunning
Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001
RE: BNSF-Harborview Park

Enclosed are the results of analyses for samples received by the laboratory on 01/09/06 14:45. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kate Haney
Project Manager



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9100 fax 907.563.9210

Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
01/12/06 15:32

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
K-3-5.0	B6A0118-01	Soil	01/09/06 11:05	01/09/06 14:45
TP-16-6.0	B6A0118-02	Soil	01/09/06 11:20	01/09/06 14:45
G-3-8.0	B6A0118-03	Soil	01/09/06 11:40	01/09/06 14:45
G-4-5.0	B6A0118-04	Soil	01/09/06 12:00	01/09/06 14:45
H-4-4.0	B6A0118-05	Soil	01/09/06 12:10	01/09/06 14:45
I-4-7.0	B6A0118-06	Soil	01/09/06 13:05	01/09/06 14:45
T.P.-18-7.0	B6A0118-07	Soil	01/09/06 13:15	01/09/06 14:45

North Creek Analytical - Bothell

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Kale Haney, Project Manager

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 425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
 509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
 32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
 Project Number: 0496017.01
 Project Manager: Ross Dunning

Reported:
 01/12/06 15:32

Semivolatile Petroleum Products by NWTPH-Dx with Acid/Silica Gel Clean-up
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
K-3-5.0 (B6A0118-01) Soil Sampled: 01/09/06 11:05 Received: 01/09/06 14:45									
Diesel Range Hydrocarbons	ND	10.9	mg/kg dry	1	6A10034	01/10/06	01/11/06	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	27.1	"	"	"	"	"	"	
Surrogate: 2-FBP	79.1 %	50-150			"	"	"	"	
Surrogate: Octacosane	93.3 %	50-150			"	"	"	"	
TP-16-6.0 (B6A0118-02) Soil Sampled: 01/09/06 11:20 Received: 01/09/06 14:45									
Diesel Range Hydrocarbons	ND	12.5	mg/kg dry	1	6A10034	01/10/06	01/11/06	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	31.3	"	"	"	"	"	"	
Surrogate: 2-FBP	79.6 %	50-150			"	"	"	"	
Surrogate: Octacosane	96.2 %	50-150			"	"	"	"	
H-4-4.0 (B6A0118-05) Soil Sampled: 01/09/06 12:10 Received: 01/09/06 14:45									
Diesel Range Hydrocarbons	ND	12.7	mg/kg dry	1	6A10034	01/10/06	01/11/06	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	31.8	"	"	"	"	"	"	
Surrogate: 2-FBP	79.9 %	50-150			"	"	"	"	
Surrogate: Octacosane	91.9 %	50-150			"	"	"	"	
J-4-7.0 (B6A0118-06) Soil Sampled: 01/09/06 13:05 Received: 01/09/06 14:45									
Diesel Range Hydrocarbons	ND	12.0	mg/kg dry	1	6A10034	01/10/06	01/11/06	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	30.1	"	"	"	"	"	"	
Surrogate: 2-FBP	74.2 %	50-150			"	"	"	"	
Surrogate: Octacosane	88.5 %	50-150			"	"	"	"	
T.P.-18-7.0 (06A0118-07) Soil Sampled: 01/09/06 13:15 Received: 01/09/06 14:45									
Diesel Range Hydrocarbons	19.0	11.7	mg/kg dry	1	6A10034	01/10/06	01/11/06	NWTPH-Dx	D-09
Lube Oil Range Hydrocarbons	ND	29.2	"	"	"	"	"	"	
Surrogate: 2-FBP	82.3 %	50-150			"	"	"	"	
Surrogate: Octacosane	91.8 %	50-150			"	"	"	"	

North Creek Analytical - Bothell

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Kate Haney, Project Manager

North Creek Analytical, Inc.
 Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
01/12/06 15:32

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
K-3-5.0 (B6A0118-01) Soil Sampled: 01/09/06 11:05 Received: 01/09/06 14:45									
Acenaphthene	ND	0.0106	mg/kg dry	1	6A10030	01/10/06	01/12/06	EPA 8270-SIM	
Acenaphthylene	ND	0.0106	"	"	"	"	"	"	
Anthracene	ND	0.0106	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.0106	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0106	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0106	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0106	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	0.0106	"	"	"	"	"	"	
Chrysene	ND	0.0106	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.0106	"	"	"	"	"	"	Q-39
Fluoranthene	ND	0.0106	"	"	"	"	"	"	
Fluorene	ND	0.0106	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0106	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.0106	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.0106	"	"	"	"	"	"	
Naphthalene	ND	0.0106	"	"	"	"	"	"	
Phenanthrene	ND	0.0106	"	"	"	"	"	"	
Pyrene	ND	0.0106	"	"	"	"	"	"	

Surrogate: p-Terphenyl-d14

125 % 50-147

TP-16-6.0 (B6A0118-02) Soil Sampled: 01/09/06 11:20 Received: 01/09/06 14:45

Acenaphthene	0.0264	0.0127	mg/kg dry	1	6A10030	01/10/06	01/12/06	EPA 8270-S/M	
Acenaphthylene	ND	0.0127	"	"	"	"	"	"	
Anthracene	ND	0.0127	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.0127	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0127	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0127	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0127	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	0.0127	"	"	"	"	"	"	
Chrysene	ND	0.0127	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.0127	"	"	"	"	"	"	Q-39
Fluoranthene	0.0400	0.0127	"	"	"	"	"	"	
Fluorene	0.0315	0.0127	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0127	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.0127	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.0127	"	"	"	"	"	"	
Naphthalene	0.0160	0.0127	"	"	"	"	"	"	
Phenanthrene	0.0153	0.0127	"	"	"	"	"	"	

North Creek Analytical - Bothell

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North Creek Analytical, Inc.
Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
 425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99106-5302
 509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
 32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
 Project Number: 0496017.01
 Project Manager: Ross Dunning

Reported:
 01/12/06 15:32

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
TP-16-6.0 (B6A0118-02) Soil Sampled: 01/09/06 11:20 Received: 01/09/06 14:45									
Pyrene	0.0175	0.0127	mg/kg dry	1	6A10030	01/10/06	01/12/06	EPA 8270-SIM	
Surrogate: <i>p</i> -Terphenyl- <i>d</i> 14	106 %	50-147			"	"	"	"	
H-4-4.0 (B6A0118-05) Soil Sampled: 01/09/06 12:10 Received: 01/09/06 14:45									
Acenaphthene	ND	0.0127	mg/kg dry	1	6A10030	01/10/06	01/12/06	EPA 8270-SIM	
Acenaphthylene	ND	0.0127	"	"	"	"	"	"	
Anthracene	ND	0.0127	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.0127	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0127	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0127	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0127	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	0.0127	"	"	"	"	"	"	
Chrysene	ND	0.0127	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.0127	"	"	"	"	"	"	Q-39
Fluoranthene	ND	0.0127	"	"	"	"	"	"	
Fluorene	ND	0.0127	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0127	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.0127	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.0127	"	"	"	"	"	"	
Naphthalene	ND	0.0127	"	"	"	"	"	"	
Phenanthrene	ND	0.0127	"	"	"	"	"	"	
Pyrene	ND	0.0127	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl- <i>d</i> 14	117 %	50-147			"	"	"	"	
J-4-7.0 (B6A0118-06) Soil Sampled: 01/09/06 13:05 Received: 01/09/06 14:45									
Acenaphthene	ND	0.0123	mg/kg dry	1	6A10030	01/10/06	01/12/06	EPA 8270-SIM	
Acenaphthylene	ND	0.0123	"	"	"	"	"	"	
Anthracene	ND	0.0123	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.0123	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0123	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0123	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0123	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	0.0123	"	"	"	"	"	"	
Chrysene	ND	0.0123	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.0123	"	"	"	"	"	"	Q-39
Fluoranthene	ND	0.0123	"	"	"	"	"	"	
Fluorene	ND	0.0123	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0123	"	"	"	"	"	"	

North Creek Analytical - Bothell

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Kate Haney, Project Manager

North Creek Analytical, Inc.
 Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
01/12/06 15:32

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
J-4-7.0 (B6A0118-06) Soil Sampled: 01/09/06 13:05 Received: 01/09/06 14:45									
1-Methylnaphthalene	ND	0.0123	mg/kg dry	1	6A10030	01/10/06	01/12/06	EPA 8270-SIM	
2-Methylnaphthalene	ND	0.0123	"	"	"	"	"	"	
Naphthalene	ND	0.0123	"	"	"	"	"	"	
Phenanthrene	ND	0.0123	"	"	"	"	"	"	
Pyrene	ND	0.0123	"	"	"	"	"	"	
Surrogate: p-Terphenyl-d14	121 %	50-147			"	"	"	"	
T.P.-18-7.0 (B6A0118-07) Soil Sampled: 01/09/06 13:15 Received: 01/09/06 14:45									
Acenaphthene	ND	0.0117	mg/kg dry	1	6A10030	01/10/06	01/12/06	EPA 8270-SIM	
Acenaphthylene	ND	0.0117	"	"	"	"	"	"	
Anthracene	0.0318	0.0117	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.0117	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0117	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0117	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0117	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	0.0117	"	"	"	"	"	"	
Chrysene	0.0121	0.0117	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.0117	"	"	"	"	"	"	Q-39
Fluoranthene	0.0339	0.0117	"	"	"	"	"	"	
Fluorene	ND	0.0117	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0117	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.0117	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.0117	"	"	"	"	"	"	
Naphthalene	ND	0.0117	"	"	"	"	"	"	
Phenanthrene	0.0153	0.0117	"	"	"	"	"	"	
Pyrene	0.0217	0.0117	"	"	"	"	"	"	
Surrogate: p-Terphenyl-d14	115 %	50-147			"	"	"	"	

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Kate Haney

Kate Haney, Project Manager

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Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
01/12/06 15:32

Physical Parameters by APHA/ASTM/EPA Methods
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
K-3-5.0 (B6A0118-01) Soil Sampled: 01/09/06 11:05 Received: 01/09/06 14:45									
Dry Weight	93.4	1.00	%	1	6A10038	01/10/06	01/11/06	BSOPSPL003R08	
TP-16-6.0 (B6A0118-02) Soil Sampled: 01/09/06 11:20 Received: 01/09/06 14:45									
Dry Weight	78.8	1.00	%	1	6A10038	01/10/06	01/11/06	BSOPSPL003R08	
G-3-8.0 (B6A0118-03) Soil Sampled: 01/09/06 11:40 Received: 01/09/06 14:45									
Dry Weight	84.4	1.00	%	1	6A10038	01/10/06	01/11/06	BSOPSPL003R08	
G-4-5.0 (B6A0118-04) Soil Sampled: 01/09/06 12:00 Received: 01/09/06 14:45									
Dry Weight	79.5	1.00	%	1	6A10038	01/10/06	01/11/06	BSOPSPL003R08	
H-4-4.0 (B6A0118-05) Soil Sampled: 01/09/06 12:10 Received: 01/09/06 14:45									
Dry Weight	77.9	1.00	%	1	6A10038	01/10/06	01/11/06	BSOPSPL003R08	
J-4-7.0 (B6A0118-06) Soil Sampled: 01/09/06 13:05 Received: 01/09/06 14:45									
Dry Weight	81.9	1.00	%	1	6A10038	01/10/06	01/11/06	BSOPSPL003R08	
T.P.-18-7.0 (B6A0118-07) Soil Sampled: 01/09/06 13:15 Received: 01/09/06 14:45									
Dry Weight	84.7	1.00	%	1	6A10038	01/10/06	01/11/06	BSOPSPL003R08	

North Creek Analytical - Bothell

Kale Haney, Project Manager

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Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
 425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
 509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 907.563.9100 fax 907.563.9210

Kennedy/Jenks Consultants 32001 32nd Ave S Ste 100 Federal Way, WA/USA 98001	Project: BNSF-Harborview Park Project Number: 0496017.01 Project Manager: Ross Dunning	Reported: 01/12/06 15:32

Semivolatile Petroleum Products by NWTPH-Dx with Acid/Silica Gel Clean-up - Quality Control
North Creek Analytical - Bothell

Analyte	Result	Reponing Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPO Limit	Notes
Batch 6A10034: Prepared 01/10/06 Using EPA 3550B										
Blank (6A10034-BLK1)										
Diesel Range Hydrocarbons	ND	10.0	mg/kg							
Lube Oil Range Hydrocarbons	ND	25.0	"							
Surrogate: 2-FBP	6.08		"	8.33		73.0	50-150			
Surrogate: Octacosane	7.36		"	8.33		88.4	50-150			
LCS (6A10034-BS1)										
Diesel Range Hydrocarbons	63.2	10.0	mg/kg	66.7		94.8	61-120			
Surrogate: 2-FBP	7.74		"	8.33		92.9	50-150			
LCS Dup (6A10034-BSD1)										
Diesel Range Hydrocarbons	64.2	10.0	mg/kg	66.7		96.3	61-120	1.57	40	
Surrogate: 2-FBP	7.56		"	8.33		90.8	50-150			
Duplicate (6A10034-DUP1)										
					Source: B6A0118-01					
Diesel Range Hydrocarbons	3.55	10.6	mg/kg dry		2.38			39.5	50	
Lube Oil Range Hydrocarbons	ND	26.4	"		ND			NA	50	
Surrogate: 2-FBP	7.27		"	8.80		82.6	50-150			
Surrogate: Octacosane	8.21		"	8.80		93.3	50-150			

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Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Emigre Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
01/12/06 15:32

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM - Quality Control
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch 6A10030: Prepared 01/10/06 Using EPA 3550B

Blank (6A10030-BLKT)

Acenaphthene	ND	0.0100	mg/kg							
Acenaphthylene	ND	0.0100	"							
Anthracene	ND	0.0100	"							
Benzo (a) anthracene	ND	0.0100	"							
Benzo (a) pyrene	ND	0.0100	"							
Benzo (b) fluoranthene	ND	0.0100	"							
Benzo (k) fluoranthene	ND	0.0100	"							
Benzo (b & k) fluoranthene	ND	0.0200	"							
Benzo (ghi) perylene	ND	0.0100	"							
Chrysene	ND	0.0100	"							
Dibenz (a,h) anthracene	ND	0.0100	"							Q-39
Fluoranthene	ND	0.0100	"							
Fluorene	ND	0.0100	"							
Indeno (1,2,3-cd) pyrene	ND	0.0100	"							
1-Methylnaphthalene	ND	0.0100	"							
2-Methylnaphthalene	ND	0.0100	"							
Naphthalene	ND	0.0100	"							
Phenanthrene	ND	0.0100	"							
Pyrene	ND	0.0100	"							
Surrogate: p-Terphenyl-d14	1.84		"	1.67		110	50-147			

LCS (6A10030-BS1)

Acenaphthene	0.545	0.0100	mg/kg	0.667		81.7	70-125			
Acenaphthylene	0.636	0.0100	"	0.667		95.4	70-133			
Anthracene	0.743	0.0100	"	0.667		111	70-152			
Benzo (a) anthracene	0.709	0.0100	"	0.667		106	60-125			
Benzo (a) pyrene	0.721	0.0100	"	0.667		108	64-134			
Benzo (b) fluoranthene	0.743	0.0100	"	0.667		111	62-147			
Benzo (k) fluoranthene	0.642	0.0100	"	0.667		96.3	60-144			
Benzo (ghi) perylene	0.462	0.0100	"	0.667		69.3	57-137			
Chrysene	0.768	0.0100	"	0.667		115	70-139			
Dibenz (a,h) anthracene	0.481	0.0100	"	0.667		72.1	56-140			Q-39
Fluoranthene	0.838	0.0100	"	0.667		126	70-141			
Fluorene	0.610	0.0100	"	0.667		91.5	76-132			
Indeno (1,2,3-cd) pyrene	0.543	0.0100	"	0.667		81.4	55-138			

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Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
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Reported:
01/12/06 15:32

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM - Quality Control
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch 6A10030: Prepared 01/10/06 Using EPA 3550B

LCS (6A10030-BS1)

1-Methylnaphthalene	0.606	0.0100	mg/kg	0.667		90.9	46-128			
2-Methylnaphthalene	0.598	0.0100	"	0.667		89.7	41-125			
Naphthalene	0.589	0.0100	"	0.667		88.3	43-125			
Phenanthrene	0.626	0.0100	"	0.667		93.9	73-125			
Pyrene	0.745	0.0100	"	0.667		112	68-140			
Surrogate: p-Terphenyl-d14	2.12		"	1.67		127	50-147			

LCS Dup (6A10030-BSD1)

Acenaphthene	0.631	0.0100	mg/kg	0.667		94.6	70-125	14.6	40	
Acenaphthylene	0.702	0.0100	"	0.667		105	70-133	9.87	40	
Anthracene	0.809	0.0100	"	0.667		121	70-152	8.51	40	
Benzo (a) anthracene	0.758	0.0100	"	0.667		114	60-125	6.68	40	
Benzo (a) pyrene	0.782	0.0100	"	0.667		117	64-134	8.12	26	
Benzo (b) fluoranthene	0.772	0.0100	"	0.667		116	62-147	3.83	40	
Benzo (k) fluoranthene	0.706	0.0100	"	0.667		106	60-144	9.50	40	
Benzo (ghi) perylene	0.681	0.0100	"	0.667		102	57-137	38.3	40	
Chrysene	0.829	0.0100	"	0.667		124	70-139	7.64	24	
Dibenz (a,h) anthracene	0.616	0.0100	"	0.667		92.4	56-140	24.6	40	Q-39
Fluoranthene	0.859	0.0100	"	0.667		129	70-141	2.47	40	
Fluorene	0.690	0.0100	"	0.667		103	76-132	12.3	43	
Indeno (1,2,3-cd) pyrene	0.708	0.0100	"	0.667		106	55-138	26.4	39	
1-Methylnaphthalene	0.664	0.0100	"	0.667		99.6	46-128	9.13	40	
2-Methylnaphthalene	0.643	0.0100	"	0.667		96.4	41-125	7.25	40	
Naphthalene	0.643	0.0100	"	0.667		96.4	43-125	8.77	40	
Phenanthrene	0.669	0.0100	"	0.667		100	73-125	6.64	40	
Pyrene	0.768	0.0100	"	0.667		115	68-140	3.04	40	
Surrogate: p-Terphenyl-d14	2.25		"	1.67		135	50-147			

North Creek Analytical - Bothell

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Kate Haney

Kate Haney, Project Manager

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Environmental Laboratory Network

Page 9 of 11



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
01/12/06 15:32

Physical Parameters by APHA/ASTM/EPA Methods - Quality Control
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch 6A10038: Prepared 01/10/06 Using Dry Weight

Blank (6A10038-BLK1)

Dry Weight	100	1.00	%

North Creek Analytical - Bothell

Kale Haney, Project Manager

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509.924.9200 fax 509.924.9290
Portland 9405 SW Nimpys Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
01/12/06 15:32

Notes and Definitions

D-09 Results in the diesel organics range are primarily due to overlap from a heavy oil range product.

Q-39 The internal standard associated with this analyte was biased low and outside acceptance criteria. Re-analysis verified the original result.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

North Creek Analytical - Bothell

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Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
425.420.9100 fax 425.420.9110
Spokane East 11115 Montgomery, Suite 8, Spokane, WA 99206-4776
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

17 January 2006

Ross Dunning
Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001
RE: BNSF-Harborview Park

Enclosed are the results of analyses for samples received by the laboratory on 01/11/06 10:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kate Haney
Project Manager



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
01/17/06 17:52

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
6-2-10.0	B6A0164-01	Soil	01/10/06 13:12	01/11/06 10:30

6-2-10.0

North Creek Analytical - Bothell

Kate Haney, Project Manager

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425.420.9200 fax 425.420.9210
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509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
01/17/06 17:52

Semivolatile Petroleum Products by NWTPH-Dx with Acid/Silica Gel Clean-up
North Creek Analytical - Bothell

Analyte	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit							
6-2-10.0 (B6A0164-01) Soil Sampled: 01/10/06 13:12 Received: 01/11/06 10:30									
Diesel Range Hydrocarbons	ND	11.2	mg/kg dry	1	6A12033	01/12/06	01/13/06	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	28.1	"	"	"	"	"	"	
Surrogate: 2-FBP	69.9 %	50-150			"	"	"	"	
Surrogate: Octacosane	97.4 %	50-150			"	"	"	"	

North Creek Analytical - Bothell

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Kate Hancy, Project Manager

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 425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
 509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 541.383.9310 fax 541.381.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 907.563.9100 fax 907.563.9110

Kennedy/Jenks Consultants
 32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
 Project Number: 0496017.01
 Project Manager: Ross Dunning

Reported:
 01/17/06 17:52

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM
North Creek Analytical - Bothell

Analytic	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
6-2-10.0 (B6A0164-01) Soil Sampled: 01/10/06 13:12 Received: 01/11/06 10:30									
Acenaphthene	ND	0.0111	mg/kg dry	1	6A11058	01/11/06	01/13/06	EPA 8270-SIM	
Acenaphthylene	ND	0.0111	"	"	"	"	"	"	
Anthracene	ND	0.0111	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.0111	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0111	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0111	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0111	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	0.0111	"	"	"	"	"	"	
Chrysene	ND	0.0111	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.0111	"	"	"	"	"	"	
Fluoranthene	ND	0.0111	"	"	"	"	"	"	
Fluorene	ND	0.0111	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0111	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.0111	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.0111	"	"	"	"	"	"	
Naphthalene	ND	0.0111	"	"	"	"	"	"	
Phenanthrene	ND	0.0111	"	"	"	"	"	"	
Pyrene	ND	0.0111	"	"	"	"	"	"	
Surrogate: p-Terphenyl-d14	91.4 %	50-147			"	"	"	"	

North Creek Analytical - Bothell

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Kale Haney, Project Manager

North Creek Analytical, Inc.
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Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8144
425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.381.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
01/17/06 17:52

Physical Parameters by APHA/ASTM/EPA Methods
North Creek Analytical - Bothell

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
6-2-10.0 (B6A0164-01) Soil Sampled: 01/10/06 13:12 Received: 01/11/06 10:30										
Dry Weight	89.1	1.00	%		1	6A12032	01/12/06	01/13/06	BSOPSPL003R08	

North Creek Analytical - Bothell

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Kale Haney, Project Manager

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Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
 425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
 509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
 32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
 Project Number: 0496017.01
 Project Manager: Ross Dunning

Reported:
 01/17/06 17:52

Semivolatile Petroleum Products by NWTPH-Dx with Acid/Silica Gel Clean-up - Quality Control
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6A12033: Prepared 01/12/06 Using EPA 3550B										
Blank (6A12033-BLK1)										
Diesel Range Hydrocarbons	ND	10.0	mg/kg wet							
Lube Oil Range Hydrocarbons	ND	25.0	"							
Surrogate: 2-FBP	6.75		"	8.33		81.0	50-150			
Surrogate: Octacosane	8.53		"	8.33		102	50-150			
LCS (6A12033-BS1)										
Diesel Range Hydrocarbons	58.5	10.0	mg/kg wet	66.7		87.7	61-120			
Surrogate: 2-FBP	6.57		"	8.33		78.9	50-150			
LCS Dup (6A12033-BSD1)										
Diesel Range Hydrocarbons	63.5	10.0	mg/kg wet	66.7		95.2	61-120	8.20	40	
Surrogate: 2-FBP	7.00		"	8.33		84.0	50-150			
Duplicate (6A12033-DUPt) Source: B6A0164-01										
Diesel Range Hydrocarbons	ND	11.1	mg/kg dry		ND			NR	50	
Lube Oil Range Hydrocarbons	ND	27.9	"		ND			NR	50	
Surrogate: 2-FBP	7.26		"	9.29		78.1	50-150			
Surrogate: Octacosane	9.45		"	9.29		102	50-150			

North Creek Analytical - Bothell

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Kate Haney, Project Manager

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Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
 425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
 509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 541.183.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
 32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
 Project Number: 0496017.01
 Project Manager: Ross Dunning

Reported:
 01/17/06 17:52

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM - Quality Control
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPO	RPD Limit	Notes

Batch 6A11058: Prepared 01/11/06 Using EPA 3550B

Blank (6A11058-BLK2)

Acenaphthene	NO	0.00500	mg/kg wet							
Acenaphthylene	NO	0.00500	"							
Anthracene	ND	0.00500	"							
Benzo (a) anthracene	ND	0.00500	"							
Benzo (a) pyrene	ND	0.00500	"							
Benzo (b) fluoranthene	ND	0.00500	"							
Benzo (k) fluoranthene	ND	0.00500	"							
Benzo (ghi) perylene	ND	0.00500	"							
Chrysene	ND	0.00500	"							
Dibenz (a,h) anthracene	ND	0.00500	"							
Fluoranthene	ND	0.00500	"							
Fluorene	ND	0.00500	"							
Indeno (1,2,3-cd) pyrene	ND	0.00500	"							
1-Methylnaphthalene	ND	0.00500	"							
2-Methylnaphthalene	ND	0.00500	"							
Naphthalene	ND	0.00500	"							
Phenanthrene	ND	0.00500	"							
Pyrene	ND	0.00500	"							
Surrogate: p-Terphenyl-d14	0.768		"	0.833		92.2	50-147			

LCS (6A11058-BS2)

Acenaphthene	0.275	0.00500	mg/kg wet	0.333		82.6	70-125			
Acenaphthylene	0.299	0.00500	"	0.333		89.8	70-133			
Anthracene	0.371	0.00500	"	0.333		111	70-152			
Benzo (a) anthracene	0.293	0.00500	"	0.333		88.0	60-125			
Benzo (a) pyrene	0.307	0.00500	"	0.333		92.2	64-134			
Benzo (b) fluoranthene	0.368	0.00500	"	0.333		111	62-147			
Benzo (k) fluoranthene	0.329	0.00500	"	0.333		98.8	60-144			
Benzo (ghi) perylene	0.338	0.00500	"	0.333		102	57-137			
Chrysene	0.332	0.00500	"	0.333		99.7	70-139			
Dibenz (a,h) anthracene	0.356	0.00500	"	0.333		107	56-140			
Fluoranthene	0.367	0.00500	"	0.333		110	70-141			
Fluorene	0.316	0.00500	"	0.333		94.9	76-132			
Indeno (1,2,3-cd) pyrene	0.335	0.00500	"	0.333		101	55-138			
1-Methylnaphthalene	0.254	0.00500	"	0.333		76.3	46-128			

North Creek Analytical - Bothell

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Kale Hancy, Project Manager

North Creek Analytical, Inc.
 Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Send 20332 Embire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
01/17/06 17:52

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM - Quality Control
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes

Batch 6A11058: Prepared 01/11/06 Using EPA 3550B

LCS (6A11058-BS2)

2-Methylnaphthalene	0.249	0.00500	mg/kg wet	0.333		74.8	41-125		
Naphthalene	0.237	0.00500	"	0.333		71.2	43-125		
Phenanthrene	0.326	0.00500	"	0.333		97.9	73-125		
Pyrene	0.286	0.00500	"	0.333		85.9	68-140		
Surrogate: p-Terphenyl-d14	0.794		"	0.813		95.3	50-147		

LCS Dup (6A11058-BSD2)

Acenaphthene	0.263	0.00500	mg/kg wet	0.333		79.0	70-125	4.46	40
Acenaphthylene	0.291	0.00500	"	0.333		87.4	70-133	2.71	40
Anthracene	0.349	0.00500	"	0.333		105	70-152	6.11	40
Benzo (a) anthracene	0.273	0.00500	"	0.333		82.0	60-125	7.07	40
Benzo (a) pyrene	0.278	0.00500	"	0.333		83.5	64-134	9.91	26
Benzo (b) fluoranthene	0.334	0.00500	"	0.333		100	62-147	9.69	40
Benzo (k) fluoranthene	0.324	0.00500	"	0.333		97.3	60-144	1.53	40
Benzo (ghi) perylene	0.299	0.00500	"	0.333		89.8	57-137	12.2	40
Chrysene	0.310	0.00500	"	0.333		93.1	70-139	6.85	24
Dibenz (a,h) anthracene	0.311	0.00500	"	0.333		93.4	56-140	13.5	40
Fluoranthene	0.345	0.00500	"	0.333		104	70-141	6.18	40
Fluorene	0.300	0.00500	"	0.333		90.1	76-132	5.19	43
Indeno (1,2,3-cd) pyrene	0.296	0.00500	"	0.333		88.9	55-138	12.4	39
1-Methylnaphthalene	0.250	0.00500	"	0.333		75.1	46-128	1.59	40
2-Methylnaphthalene	0.241	0.00500	"	0.333		72.4	41-125	3.27	40
Naphthalene	0.232	0.00500	"	0.333		69.7	43-125	2.13	40
Phenanthrene	0.308	0.00500	"	0.333		92.5	73-125	5.68	40
Pyrene	0.270	0.00500	"	0.333		81.1	68-140	5.76	40
Surrogate: p-Terphenyl-d14	0.760		"	0.813		91.2	50-147		

North Creek Analytical - Bothell

Kate Dunning

Kate Haney, Project Manager

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Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8144
425.410.9200 fax 425.410.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.914.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.553.9200 fax 907.553.9210

Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
01/17/06 17:52

Physical Parameters by APHA/ASTM/EPA Methods - Quality Control
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch 6A12032: Prepared 01/12/06 Using Dry Weight

Blank (6A12032-BLK1)

Dry Weight	99.6	1.00	%							

North Creek Analytical - Bothell

Kate Haney, Project Manager

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425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.914.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.561.9200 fax 907.563.9210

Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
01/17/06 17:52

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference

North Creek Analytical - Bothell

Kale Haney, Project Manager

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Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
425.420.9200 fax 425.420.9210
Spokane East 11115 Montgomery, Suite 8, Spokane, WA 99206-4776
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

19 January 2006

Ross Dunning
Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001
RE: BNSF-Harborview Park

Enclosed are the results of analyses for samples received by the laboratory on 01/16/06 14:35. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kate Haney
Project Manager



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.183.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
01/19/06 13:48

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
H-3-7	B6A0315-01	Soil	01/13/06 10:45	01/16/06 14:35
IM-1	B6A0315-02	Soil	01/13/06 11:15	01/16/06 14:35
IM-2	B6A0315-03	Soil	01/13/06 11:30	01/16/06 14:35
RINKER-1	B6A0315-04	Soil	01/13/06 13:00	01/16/06 14:35
F-5-2.5	B6A0315-05	Soil	01/16/06 12:30	01/16/06 14:35
G-5-3.0	B6A0315-06	Soil	01/16/06 12:35	01/16/06 14:35
H-5-3.0	B6A0315-07	Soil	01/16/06 12:40	01/16/06 14:35
I-5-3.5	B6A0315-08	Soil	01/16/06 12:45	01/16/06 14:35
J-5-4	B6A0315-09	Soil	01/16/06 12:50	01/16/06 14:35
K-5-5	B6A0315-10	Soil	01/16/06 13:00	01/16/06 14:35
L-5-6	B6A0315-11	Soil	01/16/06 13:05	01/16/06 14:35
M-5-6	B6A0315-12	Soil	01/16/06 13:10	01/16/06 14:35
M/N-4-6	B6A0315-13	Soil	01/16/06 13:15	01/16/06 14:35

North Creek Analytical - Bothell

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Kalc Haney, Project Manager

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425.426.9200 fax 425.426.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-S302
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97006-7132
503.906.9200 fax 503.906.9220
Bend 20332 Emple Avenue, Suite F-2, Bend, OR 97701-5712
541.363.9310 fax 541.362.7568
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.562.9200 fax 907.563.9210

Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
01/19/06 13:48

Hydrocarbon Identification by Washington DOE Method NWTPH-HCID

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
IM-1 (B6A0315-02) Soil Sampled: 01/13/06 11:15 Received: 01/16/06 14:35									
Gx Range Hydrocarbons	ND	21.4	mg/kg dry	1	6A17016	01/17/06	01/17/06	NWTPH-HCID	
Kerosene Range Hydrocarbons	ND	53.5	"	"	"	"	"	"	
Diesel Range Hydrocarbons	ND	53.5	"	"	"	"	"	"	
Insulating Oil Range Hydrocarbons	ND	107	"	"	"	"	"	"	
Heavy Fuel Oil Range Hydrocarbons	ND	107	"	"	"	"	"	"	
Lube Oil Range Hydrocarbons	ND	107	"	"	"	"	"	"	
Surrogate: 2-FBP	104 %	50-150			"	"	"	"	
Surrogate: Octacosane	98.5 %	50-150			"	"	"	"	
IM-2 (B6A0315-03) Soil Sampled: 01/13/06 11:30 Received: 01/16/06 14:35									
Gx Range Hydrocarbons	ND	21.1	mg/kg dry	1	6A17016	01/17/06	01/17/06	NWTPH-HCID	
Kerosene Range Hydrocarbons	ND	52.9	"	"	"	"	"	"	
Diesel Range Hydrocarbons	ND	52.9	"	"	"	"	"	"	
Insulating Oil Range Hydrocarbons	ND	106	"	"	"	"	"	"	
Heavy Fuel Oil Range Hydrocarbons	ND	106	"	"	"	"	"	"	
Lube Oil Range Hydrocarbons	ND	106	"	"	"	"	"	"	
Surrogate: 2-FBP	108 %	50-150			"	"	"	"	
Surrogate: Octacosane	101 %	50-150			"	"	"	"	
RINKER-1 (B6A0315-04) Soil Sampled: 01/13/06 13:00 Received: 01/16/06 14:35									
Gx Range Hydrocarbons	ND	21.7	mg/kg dry	1	6A17016	01/17/06	01/17/06	NWTPH-HCID	
Kerosene Range Hydrocarbons	ND	54.2	"	"	"	"	"	"	
Diesel Range Hydrocarbons	ND	54.2	"	"	"	"	"	"	
Insulating Oil Range Hydrocarbons	ND	108	"	"	"	"	"	"	
Heavy Fuel Oil Range Hydrocarbons	ND	108	"	"	"	"	"	"	
Lube Oil Range Hydrocarbons	ND	108	"	"	"	"	"	"	
Surrogate: 2-FBP	103 %	50-150			"	"	"	"	
Surrogate: Octacosane	100 %	50-150			"	"	"	"	

North Creek Analytical - Bothell

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Kale Haney, Project Manager

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Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
425.410.9200 fax 425.410.9210
Spokane 11912 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9100 fax 509.914.9190
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20331 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
01/19/06 13:48

Semivolatile Petroleum Products by NWTPH-Dx with Acid/Silica Gel Clean-up
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
H-3-7 (B6A0315-01) Soil Sampled: 01/13/06 10:45 Received: 01/16/06 14:35									
Diesel Range Hydrocarbons	ND	10.6	mg/kg dry	1	6A17057	01/17/06	01/18/06	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	26.4	"	"	"	"	"	"	
Surrogate: 2-FBP	88.2 %	50-150			"	"	"	"	
Surrogate: Octacosane	106 %	50-150			"	"	"	"	
1M-1 (B6A0315-02) Soil Sampled: 01/13/06 11:15 Received: 01/16/06 14:35									
Diesel Range Hydrocarbons	14.6	10.5	mg/kg dry	1	6A17057	01/17/06	01/18/06	NWTPH-Dx	D-06
Lube Oil Range Hydrocarbons	ND	26.3	"	"	"	"	"	"	
Surrogate: 2-FBP	81.2 %	50-150			"	"	"	"	
Surrogate: Octacosane	102 %	50-150			"	"	"	"	
1M-2 (B6A0315-03) Soil Sampled: 01/13/06 11:30 Received: 01/16/06 14:35									
Diesel Range Hydrocarbons	14.9	10.4	mg/kg dry	1	6A17057	01/17/06	01/18/06	NWTPH-Dx	D-06
Lube Oil Range Hydrocarbons	ND	26.1	"	"	"	"	"	"	
Surrogate: 2-FBP	86.0 %	50-150			"	"	"	"	
Surrogate: Octacosane	107 %	50-150			"	"	"	"	
RINKER-1 (B6A0315-04) Soil Sampled: 01/13/06 13:00 Received: 01/16/06 14:35									
Diesel Range Hydrocarbons	ND	10.8	mg/kg dry	1	6A17057	01/17/06	01/18/06	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	26.9	"	"	"	"	"	"	
Surrogate: 2-FBP	84.2 %	50-150			"	"	"	"	
Surrogate: Octacosane	107 %	50-150			"	"	"	"	
F-5-2.5 (B6A0315-05) Soil Sampled: 01/16/06 12:30 Received: 01/16/06 14:35									
Diesel Range Hydrocarbons	ND	11.6	mg/kg dry	1	6A17057	01/17/06	01/18/06	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	29.1	"	"	"	"	"	"	
Surrogate: 2-FBP	85.4 %	50-150			"	"	"	"	
Surrogate: Octacosane	107 %	50-150			"	"	"	"	

North Creek Analytical - Bothell

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Kate Haney, Project Manager

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Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.924.9290
Portland 9405 SW Nim0us Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, Ak 99502-1119
907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
01/19/06 13:48

Semivolatile Petroleum Products by NWTPH-Dx with Acid/Silica Gel Clean-up
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
G-5-3.0 (B6A0315-06) Soil Sampled: 01/16/06 12:35 Received: 01/16/06 14:35									
Diesel Range Hydrocarbons	ND	10.1	mg/kg dry	I	6A17057	01/17/06	01/18/06	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	25.3	"	"	"	"	"	"	
Surrogate: 2-FBP	84.7 %	50-150			"	"	"	"	
Surrogate: Octacosane	106 %	50-150			"	"	"	"	
H-5-3.0 (B6A0315-07) Soil Sampled: 01/16/06 12:40 Received: 01/16/06 14:35									
Diesel Range Hydrocarbons	ND	10.9	mg/kg dry	I	6A17057	01/17/06	01/18/06	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	27.1	"	"	"	"	"	"	
Surrogate: 2-FBP	87.2 %	50-150			"	"	"	"	
Surrogate: Octacosane	109 %	50-150			"	"	"	"	
I-5-3.5 (B6A0315-08) Soil Sampled: 01/16/06 12:45 Received: 01/16/06 14:35									
Diesel Range Hydrocarbons	29.5	11.7	mg/kg dry	I	6A17057	01/17/06	01/18/06	NWTPH-Dx	D-09
Lube Oil Range Hydrocarbons	151	29.2	"	"	"	"	"	"	D-06
Surrogate: 2-FBP	77.5 %	50-150			"	"	"	"	
Surrogate: Octacosane	106 %	50-150			"	"	"	"	
J-5-4 (B6A0315-09) Soil Sampled: 01/16/06 12:50 Received: 01/16/06 14:35									
Diesel Range Hydrocarbons	ND	10.8	mg/kg dry	I	6A17057	01/17/06	01/18/06	NWTPH-Dx	
Lube Dil Range Hydrocarbons	ND	27.0	"	"	"	"	"	"	
Surrogate: 2-FBP	82.2 %	50-150			"	"	"	"	
Surrogate: Octacosane	105 %	50-150			"	"	"	"	
K-5-5 (B6A0315-10) Soil Sampled: 01/16/06 13:00 Received: 01/16/06 14:35									
Diesel Range Hydrocarbons	ND	10.8	mg/kg dry	I	6A17057	01/17/06	01/18/06	NWTPH-Dx	
Lube Dil Range Hydrocarbons	ND	27.1	"	"	"	"	"	"	
Surrogate: 2-FBP	85.6 %	50-150			"	"	"	"	
Surrogate: Octacosane	105 %	50-150			"	"	"	"	

North Creek Analytical - Bothell

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Kate Haney, Project Manager

North Creek Analytical, Inc.
Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.924.9290
Portland 9405 SW Nilms Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

Kennedy/Henks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
01/19/06 13:48

Semivolatile Petroleum Products by NWTPH-Dx with Acid/Silica Gel Clean-up
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
L-5-6 (B6A0315-11) Soil Sampled: 01/16/06 13:05 Received: 01/16/06 14:35									
Diesel Range Hydrocarbons	ND	10.5	mg/kg dry	1	6A17057	01/17/06	01/18/06	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	26.3	"	"	"	"	"	"	
Surrogate: 2-FBP	83.6 %	50-150			"	"	"	"	
Surrogate: Octacosane	106 %	50-150			"	"	"	"	
M-5-6 (B6A0315-12) Soil Sampled: 01/16/06 13:10 Received: 01/16/06 14:35									
Diesel Range Hydrocarbons	ND	11.3	mg/kg dry	1	6A17057	01/17/06	01/18/06	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	28.3	"	"	"	"	"	"	
Surrogate: 2-FBP	85.9 %	50-150			"	"	"	"	
Surrogate: Octacosane	104 %	50-150			"	"	"	"	
M/N-4-6 (B6A0315-13) Soil Sampled: 01/16/06 13:15 Received: 01/16/06 14:35									
Diesel Range Hydrocarbons	ND	10.7	mg/kg dry	1	6A17057	01/17/06	01/18/06	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	26.9	"	"	"	"	"	"	
Surrogate: 2-FBP	83.9 %	50-150			"	"	"	"	
Surrogate: Octacosane	103 %	50-150			"	"	"	"	

North Creek Analytical - Bothell

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Kate Haney, Project Manager

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Seattle 31720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
 425.420.9200 fax 425.420.9210
Spokane 33922 E. 1st Avenue, Spokane Valley, WA 99206-5302
 509.934.9200 fax 509.934.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 503.906.9200 fax 503.906.9210
Bend 20332 Emigre Avenue, Suite F-1, Bend, OR 97701-5711
 541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-30, Anchorage, AK 99502-1319
 907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
 32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
 Project Number: 0496017.01
 Project Manager: Ross Dunning

Reported:
 01/19/06 13:48

Total Metals by EPA 6000/7000 Series Methods
North Creek Analytical - Bothell

Analytic	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

IM-1 (B6A0315-02) Soil Sampled: 01/13/06 11:15 Received: 01/16/06 14:35

Silver	ND	0.535	mg/kg dry	1	6A17044	01/17/06	01/18/06	EPA 6020	
Arsenic	50.9	0.535	"	"	"	"	"	"	
Barium	32.2	5.35	"	"	"	"	"	"	
Cadmium	ND	0.535	"	"	"	"	"	"	
Chromium	11.0	0.535	"	"	"	"	"	"	
Mercury	ND	0.407	"	"	6A17053	01/17/06	01/17/06	EPA 7471A	
Lead	17.4	0.535	"	"	6A17044	01/17/06	01/18/06	EPA 6020	
Selenium	0.584	0.535	"	"	"	"	"	"	

IM-2 (B6A0315-03) Soil Sampled: 01/13/06 11:30 Received: 01/16/06 14:35

Silver	ND	0.529	mg/kg dry	1	6A17044	01/17/06	01/18/06	EPA 6020	
Arsenic	55.6	0.529	"	"	"	"	"	"	
Barium	48.9	5.29	"	"	"	"	"	"	
Cadmium	ND	0.529	"	"	"	"	"	"	
Chromium	10.7	0.529	"	"	"	"	"	"	
Mercury	ND	0.345	"	"	6A17053	01/17/06	01/17/06	EPA 7471A	
Lead	15.9	0.529	"	"	6A17044	01/17/06	01/18/06	EPA 6020	
Selenium	ND	0.529	"	"	"	"	"	"	

RINKER-1 (B6A0315-04) Soil Sampled: 01/13/06 13:00 Received: 01/16/06 14:35

Silver	ND	0.564	mg/kg dry	1	6A17044	01/17/06	01/18/06	EPA 6020	
Arsenic	3.43	0.564	"	"	"	"	"	"	
Barium	48.5	5.64	"	"	"	"	"	"	
Cadmium	ND	0.564	"	"	"	"	"	"	
Chromium	30.9	0.564	"	"	"	"	"	"	
Mercury	ND	0.422	"	"	6A17053	01/17/06	01/17/06	EPA 7471A	
Lead	3.40	0.564	"	"	6A17044	01/17/06	01/18/06	EPA 6020	
Selenium	ND	0.564	"	"	"	"	"	"	

North Creek Analytical - Bothell

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Kate Haney, Project Manager

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Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
01/19/06 13:48

Polychlorinated Biphenyls by EPA Method 8082
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

1M-1 (B6A0315-02) Soil Sampled: 01/13/06 11:15 Received: 01/16/06 14:35

Aroclor 1016	ND	26.8	ug/kg dry	1	6A16066	01/16/06	01/17/06	EPA 8082	
Aroclor 1221	ND	53.5	"	"	"	"	"	"	
Aroclor 1232	ND	26.8	"	"	"	"	"	"	
Aroclor 1242	ND	26.8	"	"	"	"	"	"	
Aroclor 1248	ND	26.8	"	"	"	"	"	"	
Aroclor 1254	ND	26.8	"	"	"	"	"	"	
Aroclor 1260	ND	26.8	"	"	"	"	"	"	
Aroclor 1262	ND	26.8	"	"	"	"	"	"	
Aroclor 1268	ND	26.8	"	"	"	"	"	"	

Surrogate: TCX [2C] 87.7 % 39-139

Surrogate: Decachlorobiphenyl 82.2 % 33-163

1M-2 (B6A0315-03) Soil Sampled: 01/13/06 11:30 Received: 01/16/06 14:35

Aroclor 1016	ND	26.4	ug/kg dry	1	6A16066	01/16/06	01/17/06	EPA 8082	
Aroclor 1221	ND	52.9	"	"	"	"	"	"	
Aroclor 1232	ND	26.4	"	"	"	"	"	"	
Aroclor 1242	ND	26.4	"	"	"	"	"	"	
Aroclor 1248	ND	26.4	"	"	"	"	"	"	
Aroclor 1254	ND	26.4	"	"	"	"	"	"	
Aroclor 1260	ND	26.4	"	"	"	"	"	"	
Aroclor 1262	ND	26.4	"	"	"	"	"	"	
Aroclor 1268	ND	26.4	"	"	"	"	"	"	

Surrogate: TCX [2C] 99.7 % 39-139

Surrogate: Decachlorobiphenyl 111 % 33-163

North Creek Analytical - Bothell

Kate Haney, Project Manager

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North Creek Analytical, Inc.
Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Emolre Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
01/19/06 13:48

Polychlorinated Biphenyls by EPA Method 8082
North Creek Analytical - Bothell

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
RINKER-1 (B6A0315-04) Soil Sampled: 01/13/06 13:00 Received: 01/16/06 14:35										
Aroclor 1016	ND	27.1		ug/kg dry	1	6A16066	01/16/06	01/17/06	EPA 8082	
Aroclor 1221	ND	54.2		"	"	"	"	"	"	
Aroclor 1232	ND	27.1		"	"	"	"	"	"	
Aroclor 1242	ND	27.1		"	"	"	"	"	"	
Aroclor 1248	ND	27.1		"	"	"	"	"	"	
Aroclor 1254	ND	27.1		"	"	"	"	"	"	
Aroclor 1260	ND	27.1		"	"	"	"	"	"	
Aroclor 1262	ND	27.1		"	"	"	"	"	"	
Aroclor 1268	ND	27.1		"	"	"	"	"	"	
Surrogate: TCX [2C]	99.7 %	39-J39				"	"	"	"	
Surrogate: Decachlorobiphenyl	83.7 %	33-J63				"	"	"	"	

North Creek Analytical - Bothell

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Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimous Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
01/19/06 13:48

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
H-3-7 (B6A0315-01) Soil Sampled: 01/13/06 10:45 Received: 01/16/06 14:35									
Acenaphthene	ND	0.0105	mg/kg dry	1	6A17054	01/17/06	01/18/06	EPA 8270-SIM	
Acenaphthylene	ND	0.0105	"	"	"	"	"	"	
Anthracene	ND	0.0105	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.0105	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0105	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0105	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0105	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	0.0105	"	"	"	"	"	"	
Chrysene	ND	0.0105	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.0105	"	"	"	"	"	"	
Fluoranthene	ND	0.0105	"	"	"	"	"	"	
Fluorene	ND	0.0105	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0105	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.0105	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.0105	"	"	"	"	"	"	
Naphthalene	ND	0.0105	"	"	"	"	"	"	Q-40
Phenanthrene	ND	0.0105	"	"	"	"	"	"	
Pyrene	ND	0.0105	"	"	"	"	"	"	
Surrogate: p-Terphenyl-d14	96.6 %	50-147			"	"	"	"	

1M-1 (B6A0315-02) Soil Sampled: 01/13/06 11:15 Received: 01/16/06 14:35

Acenaphthene	ND	0.0106	mg/kg dry	1	6A17054	01/17/06	01/18/06	EPA 8270-SIM	
Acenaphthylene	ND	0.0106	"	"	"	"	"	"	
Anthracene	ND	0.0106	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.0106	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0106	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0106	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0106	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	0.0106	"	"	"	"	"	"	
Chrysene	ND	0.0106	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.0106	"	"	"	"	"	"	
Fluoranthene	ND	0.0106	"	"	"	"	"	"	
Fluorene	ND	0.0106	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0106	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.0106	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.0106	"	"	"	"	"	"	
Naphthalene	ND	0.0106	"	"	"	"	"	"	Q-40
Phenanthrene	ND	0.0106	"	"	"	"	"	"	

North Creek Analytical - Bothell

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Kate Haney, Project Manager

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Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
 425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
 509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5311
 501.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
 32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
 Project Number: 0496017.01
 Project Manager: Ross Dunning

Reported:
 01/19/06 13:48

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

1M-1 (B6A0315-02) Soil Sampled: 01/13/06 11:15 Received: 01/16/06 14:35

Pyrene	0.0144	0.0106	mg/kg dry	1	6A17054	01/17/06	01/18/06	EPA 8270-SIM	
Surrogate: p-Terphenyl-d14	94.9 %	50-147			"	"	"	"	

1M-2 (B6A0315-03) Soil Sampled: 01/13/06 11:30 Received: 01/16/06 14:35

Acenaphthene	ND	0.0105	mg/kg dry	1	6A17054	01/17/06	01/18/06	EPA 8270-SIM	
Acenaphthylene	ND	0.0105	"	"	"	"	"	"	
Anthracene	ND	0.0105	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.0105	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0105	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0105	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0105	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	0.0105	"	"	"	"	"	"	
Chrysene	ND	0.0105	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.0105	"	"	"	"	"	"	
Fluoranthene	ND	0.0105	"	"	"	"	"	"	
Fluorene	ND	0.0105	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0105	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.0105	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.0105	"	"	"	"	"	"	
Naphthalene	ND	0.0105	"	"	"	"	"	"	Q-40
Phenanthrene	ND	0.0105	"	"	"	"	"	"	
Pyrene	ND	0.0105	"	"	"	"	"	"	
Surrogate: p-Terphenyl-d14	91.4 %	50-147			"	"	"	"	

RINKER-1 (B6A0315-04) Soil Sampled: 01/13/06 13:00 Received: 01/16/06 14:35

Acenaphthene	ND	0.0108	mg/kg dry	1	6A17054	01/17/06	01/18/06	EPA 8270-SIM	
Acenaphthylene	ND	0.0108	"	"	"	"	"	"	
Anthracene	ND	0.0108	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.0108	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0108	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0108	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0108	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	0.0108	"	"	"	"	"	"	
Chrysene	ND	0.0108	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.0108	"	"	"	"	"	"	
Fluoranthene	ND	0.0108	"	"	"	"	"	"	
Fluorene	ND	0.0108	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0108	"	"	"	"	"	"	

North Creek Analytical - Bothell

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Kate Hartey

Kate Hartey, Project Manager

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Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
 425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
 509.924.9200 fax 509.924.9290
Portland 9005 SW Nimbus Avenue, Beaverton, OR 97008-7132
 503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 907.563.9200 fax 907.563.9110

Kennedy/Jenks Consultants
 32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
 Project Number: 0496017.01
 Project Manager: Ross Dunning

Reported:
 01/19/06 13:48

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM **North Creek Analytical - Bothell**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
RINKER-1 (B6A0315-04) Soil Sampled: 01/13/06 13:00 Received: 01/16/06 14:35									
1-Methylnaphthalene	ND	0.0108	mg/kg dry	1	6A17054	01/17/06	01/18/06	EPA 8270-SIM	
2-Methylnaphthalene	ND	0.0108	"	"	"	"	"	"	
Naphthalene	ND	0.0108	"	"	"	"	"	"	Q-40
Phenanthrene	ND	0.0108	"	"	"	"	"	"	
Pyrene	ND	0.0108	"	"	"	"	"	"	
Surrogate: p-Terphenyl-d14	98.3 %	50-147			"	"	"	"	
F-5-2.5 (B6A0315-05) Soil Sampled: 01/16/06 12:30 Received: 01/16/06 14:35									
Acenaphthene	ND	0.0115	mg/kg dry	1	6A17054	01/17/06	01/18/06	EPA 8270-SIM	
Acenaphthylene	ND	0.0115	"	"	"	"	"	"	
Anthracene	ND	0.0115	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.0115	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0115	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0115	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0115	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	0.0115	"	"	"	"	"	"	
Chrysene	ND	0.0115	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.0115	"	"	"	"	"	"	
Fluoranthene	ND	0.0115	"	"	"	"	"	"	
Fluorene	ND	0.0115	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0115	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.0115	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.0115	"	"	"	"	"	"	
Naphthalene	ND	0.0115	"	"	"	"	"	"	Q-40
Phenanthrene	ND	0.0115	"	"	"	"	"	"	
Pyrene	ND	0.0115	"	"	"	"	"	"	
Surrogate: p-Terphenyl-d14	86.9 %	50-147			"	"	"	"	

North Creek Analytical - Bothell

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Kate Haney

Kate Haney, Project Manager

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425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.924.9190
Portland 9405 SW NimDus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Emplre Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
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32001 32nd Ave S Ste 100
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Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
01/19/06 13:48

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
G-5-3.0 (B6A0315-06) Soil Sampled: 01/16/06 12:35 Received: 01/16/06 14:35									
Acenaphthene	ND	0.0102	mg/kg dry	1	6A17054	01/17/06	01/18/06	EPA 8270-SIM	
Acenaphthylene	ND	0.0102	"	"	"	"	"	"	
Anthracene	ND	0.0102	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.0102	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0102	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0102	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0102	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	0.0102	"	"	"	"	"	"	
Chrysene	ND	0.0102	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.0102	"	"	"	"	"	"	
Fluoranthene	ND	0.0102	"	"	"	"	"	"	
Fluorene	ND	0.0102	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0102	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.0102	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.0102	"	"	"	"	"	"	
Naphthalene	ND	0.0102	"	"	"	"	"	"	Q-40
Phenanthrene	ND	0.0102	"	"	"	"	"	"	
Pyrene	ND	0.0102	"	"	"	"	"	"	

Surrogate: p-Terphenyl-d14

93.5 % 50-147

H-5-3.0 (B6A0315-07) Soil Sampled: 01/16/06 12:40 Received: 01/16/06 14:35

Acenaphthene	ND	0.0107	mg/kg dry	1	6A17054	01/17/06	01/18/06	EPA 8270-SIM	
Acenaphthylene	ND	0.0107	"	"	"	"	"	"	
Anthracene	ND	0.0107	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.0107	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0107	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0107	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0107	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	0.0107	"	"	"	"	"	"	
Chrysene	ND	0.0107	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.0107	"	"	"	"	"	"	
Fluoranthene	ND	0.0107	"	"	"	"	"	"	
Fluorene	ND	0.0107	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0107	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.0107	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.0107	"	"	"	"	"	"	
Naphthalene	ND	0.0107	"	"	"	"	"	"	Q-40
Phenanthrene	ND	0.0107	"	"	"	"	"	"	

North Creek Analytical - Bothell

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Kate Haney

Kate Haney, Project Manager

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Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
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Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
01/19/06 13:48

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

H-5-3.0 (B6A0315-07) Soil Sampled: 01/16/06 12:40 Received: 01/16/06 14:35

Pyrene	ND	0.0107	mg/kg dry	1	6A17054	01/17/06	01/18/06	EPA 8270-SIM	
Surrogate: p-Terphenyl-d14	98.9 %	50-147			"	"	"	"	

I-5-3.5 (B6A0315-08) Soil Sampled: 01/16/06 12:45 Received: 01/16/06 14:35

Q-28

Acenaphthene	ND	0.116	mg/kg dry	10	6A17054	01/17/06	01/18/06	EPA 8270-SIM	
Acenaphthylene	ND	0.116	"	"	"	"	"	"	
Anthracene	ND	0.116	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.116	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.116	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.116	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.116	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	0.116	"	"	"	"	"	"	
Chrysene	ND	0.116	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.116	"	"	"	"	"	"	
Fluoranthene	ND	0.116	"	"	"	"	"	"	
Fluorene	ND	0.116	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.116	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.116	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.116	"	"	"	"	"	"	
Naphthalene	ND	0.116	"	"	"	"	"	"	Q-40
Phenanthrene	ND	0.116	"	"	"	"	"	"	
Pyrene	ND	0.116	"	"	"	"	"	"	
Surrogate: p-Terphenyl-d14	73.6 %	50-147			"	"	"	"	

J-5-4 (B6A0315-09) Soil Sampled: 01/16/06 12:50 Received: 01/16/06 14:35

Acenaphthene	ND	0.0107	mg/kg dry	1	6A17054	01/17/06	01/18/06	EPA 8270-SIM	
Acenaphthylene	ND	0.0107	"	"	"	"	"	"	
Anthracene	ND	0.0107	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.0107	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0107	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0107	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0107	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	0.0107	"	"	"	"	"	"	
Chrysene	ND	0.0107	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.0107	"	"	"	"	"	"	
Fluoranthene	ND	0.0107	"	"	"	"	"	"	
Fluorene	ND	0.0107	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0107	"	"	"	"	"	"	

North Creek Analytical - Bothell

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Kate Haney

Kate Haney, Project Manager

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Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
01/19/06 13:48

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
J-5-4 (B6A0315-09) Soil Sampled: 01/16/06 12:50 Received: 01/16/06 14:35									
1-Methylnaphthalene	ND	0.0107	mg/kg dry	1	6A17054	01/17/06	01/18/06	EPA 8270-SIM	
2-Methylnaphthalene	ND	0.0107	"	"	"	"	"	"	
Naphthalene	ND	0.0107	"	"	"	"	"	"	Q-40
Phenanthrene	ND	0.0107	"	"	"	"	"	"	
Pyrene	ND	0.0107	"	"	"	"	"	"	
Surrogate: p-Terphenyl-d14	91.6 %	50-147			"	"	"	"	
K-5-5 (B6A0315-10) Soil Sampled: 01/16/06 13:00 Received: 01/16/06 14:35									
Acenaphthene	ND	0.0109	mg/kg dry	1	6A17054	01/17/06	01/18/06	EPA 8270-SIM	
Acenaphthylene	ND	0.0109	"	"	"	"	"	"	
Anthracene	ND	0.0109	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.0109	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0109	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0109	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0109	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	0.0109	"	"	"	"	"	"	
Chrysene	ND	0.0109	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.0109	"	"	"	"	"	"	
Fluoranthene	ND	0.0109	"	"	"	"	"	"	
Fluorene	ND	0.0109	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0109	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.0109	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.0109	"	"	"	"	"	"	
Naphthalene	ND	0.0109	"	"	"	"	"	"	Q-40
Phenanthrene	ND	0.0109	"	"	"	"	"	"	
Pyrene	ND	0.0109	"	"	"	"	"	"	
Surrogate: p-Terphenyl-d14	95.6 %	50-147			"	"	"	"	

North Creek Analytical - Bothell

Kale Haney, Project Manager

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Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98012-8244
425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5702
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97702-5711
541.383.9310 fax 542.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
01/19/06 13:48

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
L-5-6 (B6A0315-11) Soil Sampled: 01/16/06 13:05 Received: 01/16/06 14:35									
Acenaphthene	ND	0.0106	mg/kg dry	1	6A17054	01/17/06	01/18/06	EPA 8270-SIM	
Acenaphthylene	ND	0.0106	"	"	"	"	"	"	
Anthracene	ND	0.0106	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.0106	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0106	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0106	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0106	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	0.0106	"	"	"	"	"	"	
Chrysene	ND	0.0106	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.0106	"	"	"	"	"	"	
Fluoranthene	ND	0.0106	"	"	"	"	"	"	
Fluorene	ND	0.0106	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0106	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.0106	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.0106	"	"	"	"	"	"	
Naphthalene	ND	0.0106	"	"	"	"	"	"	Q-40
Phenanthrene	ND	0.0106	"	"	"	"	"	"	
Pyrene	ND	0.0106	"	"	"	"	"	"	

Surrogate: p-Terphenyl-d14 93.8 % 50-147 " " " "

M-5-6 (B6A0315-12) Soil Sampled: 01/16/06 13:10 Received: 01/16/06 14:35									
Acenaphthene	ND	0.0114	mg/kg dry	1	6A17054	01/17/06	01/18/06	EPA 8270-SIM	
Acenaphthylene	ND	0.0114	"	"	"	"	"	"	
Anthracene	ND	0.0114	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.0114	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0114	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0114	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0114	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	0.0114	"	"	"	"	"	"	
Chrysene	ND	0.0114	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.0114	"	"	"	"	"	"	
Fluoranthene	ND	0.0114	"	"	"	"	"	"	
Fluorene	ND	0.0114	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0114	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.0114	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.0114	"	"	"	"	"	"	
Naphthalene	ND	0.0114	"	"	"	"	"	"	Q-40
Phenanthrene	ND	0.0114	"	"	"	"	"	"	

North Creek Analytical - Bothell

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Kate Haney, Project Manager

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Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
 425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
 509.924.9100 fax 509.924.9290
Portland 9405 SW Nimitz Avenue, Beaverton, OR 97008-7132
 503.806.9200 fax 503.806.9210
Bend 20332 Empire Avenue, Suite T-1, Bend, OR 97701-5711
 541.383.9310 fax 541.382.7589
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
 32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
 Project Number: 0496017.01
 Project Manager: Ross Dunning

Reported:
 01/19/06 13:48

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-5-6 (B6A0315-12) Soil Sampled: 01/16/06 13:10 Received: 01/16/06 14:35									
Pyrene	ND	0.0114	mg/kg dry	1	6A17054	01/17/06	01/18/06	EPA 8270-SIM	
Surrogate: <i>p</i> -Terphenyl-d14	92.6 %	50-147			"	"	"	"	
M/N-4-6 (B6A0315-13) Soil Sampled: 01/16/06 13:15 Received: 01/16/06 14:35									
Acenaphthene	ND	0.0106	mg/kg dry	1	6A17054	01/17/06	01/18/06	EPA 8270-SIM	
Acenaphthylene	ND	0.0106	"	"	"	"	"	"	
Anthracene	ND	0.0106	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.0106	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0106	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0106	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0106	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	0.0106	"	"	"	"	"	"	
Chrysene	ND	0.0106	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.0106	"	"	"	"	"	"	
Fluoranthene	ND	0.0106	"	"	"	"	"	"	
Fluorene	ND	0.0106	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0106	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.0106	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.0106	"	"	"	"	"	"	
Naphthalene	ND	0.0106	"	"	"	"	"	"	Q-40
Phenanthrene	ND	0.0106	"	"	"	"	"	"	
Pyrene	ND	0.0106	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl-d14	91.5 %	50-147			"	"	"	"	

North Creek Analytical - Bothell

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Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimous Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
01/19/06 13:48

Physical Parameters by APHA/ASTM/EPA Methods
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
H-3-7 (B6A0315-01) Soil Sampled: 01/13/06 10:45 Received: 01/16/06 14:35									
Dry Weight	93.9	1.00	%	1	6A17061	01/17/06	01/18/06	BSDPSPL003R08	
1M-1 (B6A0315-02) Soil Sampled: 01/13/06 11:15 Received: 01/16/06 14:35									
Dry Weight	93.4	1.00	%	1	6A17061	01/17/06	01/18/06	BSOPSPL003R08	
1M-2 (D6A0315-03) Soil Sampled: 01/13/06 11:30 Received: 01/16/06 14:35									
Dry Weight	94.6	1.00	%	1	6A17061	01/17/06	01/18/06	BSOPSPL003R08	
RINKER-1 (B6A0315-04) Soil Sampled: 01/13/06 13:00 Received: 01/16/06 14:35									
Dry Weight	92.3	1.00	%	1	6A17061	01/17/06	01/18/06	BSOPSPL003R08	
F-5-2.5 (B6A0315-05) Soil Sampled: 01/16/06 12:30 Received: 01/16/06 14:35									
Dry Weight	85.9	1.00	%	1	6A17061	01/17/06	01/18/06	BSOPSPL003R08	
G-5-3.0 (B6A0315-06) Soil Sampled: 01/16/06 12:35 Received: 01/16/06 14:35									
Dry Weight	97.1	1.00	%	1	6A17061	01/17/06	01/18/06	BSOPSPL003R08	
H-5-3.0 (D6A0315-07) Soil Sampled: 01/16/06 12:40 Received: 01/16/06 14:35									
Dry Weight	91.5	1.00	%	1	6A17061	01/17/06	01/18/06	BSOPSPL003R08	
1-5-3.5 (B6A0315-08) Soil Sampled: 01/16/06 12:45 Received: 01/16/06 14:35									
Dry Weight	85.5	1.00	%	1	6A17061	01/17/06	01/18/06	BSOPSPL003R08	
J-5-4 (D6A0315-09) Soil Sampled: 01/16/06 12:50 Received: 01/16/06 14:35									
Dry Weight	92.3	1.00	%	1	6A17061	01/17/06	01/18/06	BSOPSPL003R08	

North Creek Analytical - Bothell

Kate Haney, Project Manager

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Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
01/19/06 13:48

Physical Parameters by APHA/ASTM/EPA Methods
North Creek Analytical - Bothell

Analytic	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit							
K-5-S (B6A0315-10) Soil Sampled: 01/16/06 13:00 Received: 01/16/06 14:35									
Dry Weight	91.5	1.00	%	1	6A17061	01/17/06	01/18/06	BSOPSPLO03R08	
L-5-6 (B6A0315-11) Soil Sampled: 01/16/06 13:05 Received: 01/16/06 14:35									
Dry Weight	93.9	1.00	%	1	6A17061	01/17/06	01/18/06	BSDPSPL003R08	
M-5-6 (B6A0315-12) Soil Sampled: 01/16/06 13:10 Received: 01/16/06 14:35									
Dry Weight	87.3	1.00	%	1	6A17061	01/17/06	01/18/06	BSOPSPLO03R08	
M/N-4-6 (B6A0315-13) Soil Sampled: 01/16/06 13:15 Received: 01/16/06 14:35									
Dry Weight	92.8	1.00	%	1	6A17061	01/17/06	01/18/06	BSDPSPL003R08	

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 425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
 509.924.9100 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
 32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
 Project Number: 0496017.01
 Project Manager: Ross Dunning

Reported:
 01/19/06 13:48

Hydrocarbon Identification by Washington DOE Method NWT PH-HCID - Quality Control

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch 6A17016: Prepared 01/17/06 Using HCID (WA)

Blank (6A17016-BLKI)

Gx Range Hydrocarbons	ND	20.0	mg/kg wet							
Kerosene Range Hydrocarbons	ND	50.0	"							
Diesel Range Hydrocarbons	ND	50.0	"							
Insulating Dil Range Hydrocarbons	ND	100	"							
Heavy Fuel Oil Range Hydrocarbons	ND	100	"							
Lube Oil Range Hydrocarbons	ND	100	"							
Surrogate: 2-FBP	DET		"	125		109	50-150			
Surrogate: Octacosane	DET		"	125		96.0	50-150			

Duplicate (6A17016-DUPI)

Source: B6A0315-04

Gx Range Hydrocarbons	ND	21.7	mg/kg dry		ND			NR	50	
Kerosene Range Hydrocarbons	ND	54.2	"		ND			NR	50	
Diesel Range Hydrocarbons	ND	54.2	"		ND			NR	50	
Insulating Dil Range Hydrocarbons	ND	108	"		ND			NR	50	
Heavy Fuel Dil Range Hydrocarbons	ND	108	"		ND			NR	50	
Lube Oil Range Hydrocarbons	ND	108	"		ND			NR	50	
Surrogate: 2-FBP	DET		"	135		107	50-150			
Surrogate: Octacosane	DET		"	135		99.3	50-150			

North Creek Analytical - Bothell

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 425.420.9200 fax 425.410.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
 509.924.9100 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 503.906.9200 fax 503.906.9210
Bend 20332 Emldre Avenue, Suite F-1, Bend, OR 97701-5711
 541.383.9310 fax 541.182.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 907.563.9200 fax 907.561.9210

Kennedy/Jenks Consultants
 32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
 Project Number: 0496017.01
 Project Manager: Ross Dunning

Reported:
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Semivolatile Petroleum Products by NWTPH-Dx with Acid/Silica Gel Clean-up - Quality Control
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch 6A17057: Prepared 01/17/06 Using EPA 3550B

Blank (6A17057-BLK1)

Diesel Range Hydrocarbons	ND	10.0	mg/kg wet							
Lube Oil Range Hydrocarbons	ND	25.0	"							
Surrogate: 2-FBP	6.87		"	8.33		82.5	50-150			
Surrogate: Octacosane	8.79		"	8.33		106	50-150			

LCS (6A17057-BS1)

Diesel Range Hydrocarbons	64.0	10.0	mg/kg wet	66.7		96.0	61-120			
Surrogate: 2-FBP	7.33		"	8.33		88.0	50-150			

LCS Dup (6A17057-BSD1)

Diesel Range Hydrocarbons	62.9	10.0	mg/kg wet	66.7		94.3	61-120	1.73	40	
Surrogate: 2-FBP	7.45		"	8.33		89.4	50-150			

Duplicate (6A17057-DUP1)

Source: B6A0315-01

Diesel Range Hydrocarbons	ND	10.6	mg/kg dry		ND			NR	50	
Lube Oil Range Hydrocarbons	ND	26.4	"		ND			NR	50	
Surrogate: 2-FBP	7.68		"	8.82		87.1	50-150			
Surrogate: Octacosane	9.41		"	8.82		107	50-150			

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Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
 425.410.9100 fax 415.420.9110
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
 509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 503.906.9200 fax 503.906.9210
Bend 20332 Emple Avenue, Suite F-1, Bend, OR 97701-5711
 541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
 32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
 Project Number: 0496017.01
 Project Manager: Ross Dunning

Reported:
 01/19/06 13:48

Total Metals by EPA 6000/7000 Series Methods - Quality Control
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch 6A17044: Prepared 01/17/06 Using EPA 3050B

Blank (6A17044-BLK1)

Silver	ND	0.500	mg/kg wet
Arsenic	ND	0.500	"
Barium	ND	5.00	"
Cadmium	ND	0.500	"
Chromium	ND	0.500	"
Lead	ND	0.500	"
Selenium	ND	0.500	"

LCS (6A17044-BS1)

Silver	35.2	0.500	mg/kg wet	40.0	88.0	80-120
Arsenic	36.8	0.500	"	40.0	92.0	80-120
Barium	38.4	5.00	"	40.0	96.0	80-120
Cadmium	36.2	0.500	"	40.0	90.5	80-120
Chromium	36.8	0.500	"	40.0	92.0	80-120
Lead	37.3	0.500	"	40.0	93.2	80-120
Selenium	35.4	0.500	"	40.0	88.5	80-120

LCS Dup (6A17044-BS1)

Silver	36.5	0.500	mg/kg wet	40.0	91.2	80-120	3.63	20
Arsenic	37.9	0.500	"	40.0	94.8	80-120	2.95	20
Barium	39.7	5.00	"	40.0	99.2	80-120	3.33	20
Cadmium	37.3	0.500	"	40.0	93.2	80-120	2.99	20
Chromium	37.8	0.500	"	40.0	94.5	80-120	2.68	20
Lead	38.0	0.500	"	40.0	95.0	80-120	1.86	20
Selenium	35.8	0.500	"	40.0	89.5	80-120	1.12	20

Matrix Spike (6A17044-MS1)

Source: B6A0315-02

Silver	39.8	0.525	mg/kg dry	42.0	0.364	93.9	54-126
Arsenic	86.2	0.525	"	42.0	50.9	84.0	57-125
Barium	72.5	5.25	"	42.0	32.2	96.0	20-160
Cadmium	47.5	0.525	"	42.0	0.273	112	80-120
Chromium	51.6	0.525	"	42.0	11.0	96.7	30-163
Selenium	36.7	0.525	"	42.0	0.584	86.0	61-120

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 425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
 509.924.9200 fax 509.924.9290
Portland 9405 SW NimDus Avenue, Beaverton, OR 97008-7132
 503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 907.563.9200 fax 907.563.9210

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 32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
 Project Number: 0496017.01
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Total Metals by EPA 6000/7000 Series Methods - Quality Control
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch 6A17044: Prepared 01/17/06 Using EPA 3050B

Matrix Spike (6A17044-MS2)

Source: B6A0315-02

Lead	4800	26.2	mg/kg dry	42.8	17.4	11400	29-166			Q-14

Matrix Spike Dup (6A17044-MSD1)

Source: B6A0315-02

Silver	34.3	0.535	mg/kg dry	42.8	0.364	79.3	54-126	14.8	30	
Arsenic	103	0.535	"	42.8	50.9	122	57-125	17.8	30	
Barium	60.0	5.35	"	42.8	32.2	65.0	20-160	18.9	40	
Cadmium	35.2	0.535	"	42.8	0.273	81.6	80-120	29.7	30	
Chromium	47.2	0.535	"	42.8	11.0	84.6	30-163	8.91	30	
Lead	70.8	0.535	"	42.8	17.4	125	29-166	194	40	Q-14
Selenium	33.6	0.535	"	42.8	0.584	77.1	61-120	8.82	30	

Post Spike (6A17044-PS1)

Source: B6A0315-02

Silver	0.0940		ng/ml	0.100	0.000680	93.3	75-125			
Arsenic	0.194		"	0.100	0.0951	98.9	75-125			
Barium	0.162		"	0.100	0.0602	102	75-125			
Cadmium	0.0942		"	0.100	0.000510	93.7	75-125			
Chromium	0.116		"	0.100	0.0206	95.4	75-125			
Lead	0.130		"	0.100	0.0325	97.5	75-125			
Selenium	0.0904		"	0.100	0.00109	89.3	75-125			

Batch 6A17053: Prepared 01/17/06 Using EPA 7471A

Blank (6A17053-BLK1)

Mercury	ND	0.400	mg/kg wet							

LCS (6A17053-BS1)

Mercury	0.651	0.400	mg/kg wet	0.667		97.6	80-120			

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425.420.9100 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.914.9290
Portland 9405 SW Nimdus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

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Total Metals by EPA 6000/7000 Series Methods - Quality Control
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Notes

Batch 6A17053: Prepared 01/17/06 Using EPA 7471A

LCS Dup (6A17053-BSD1)

Mercury	0.647	0.400	mg/kg wet	0.667		97.0	80-120	0.616	20	

Matrix Spike (6A17053-MS1)

Source: B6A0315-02

Mercury	0.649	0.378	mg/kg dry	0.630	ND	103	70-130			

Matrix Spike Dup (6A17053-MSD1)

Source: B6A0315-02

Mercury	0.483	0.289	mg/kg dry	0.482	ND	100	70-130	29.3	30	

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425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-S302
509.924.9100 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Embury Avenue, Suite F-1, Bend, OR 97701-5711
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907.563.9200 fax 907.563.9110

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32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
01/19/06 13:48

Polychlorinated Biphenyls by EPA Method 8082 - Quality Control
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes

Batch 6A16066: Prepared 01/16/06 Using EPA 3550B

Blank (6A16066-BLK2)

Aroclor 1016	ND	12.5	ug/kg wet						
Aroclor 1221	ND	25.0	"						
Aroclor 1232	ND	12.5	"						
Aroclor 1242	ND	12.5	"						
Aroclor 1248	ND	12.5	"						
Aroclor 1254	ND	12.5	"						
Aroclor 1260	ND	12.5	"						
Aroclor 1262	ND	12.5	"						
Aroclor 1268	ND	12.5	"						
Surrogate: TCX	3.20		"	3.33		96.1	39-139		
Surrogate: Decachlorobiphenyl	2.20		"	3.33		66.1	33-163		

LCS (6A16066-BS2)

Aroclor 1016	38.5	12.5	ug/kg wet	41.7		92.3	54-125		
Aroclor 1260	30.1	12.5	"	41.7		72.2	58-128		
Surrogate: TCX	3.57		"	3.33		107	39-139		
Surrogate: Decachlorobiphenyl	2.54		"	3.33		76.3	33-163		

LCS Dup (6A16066-BS2)

Aroclor 1016	37.0	12.5	ug/kg wet	41.7		88.7	54-125	3.97	30
Aroclor 1260	33.0	12.5	"	41.7		79.1	58-128	9.19	30
Surrogate: TCX	3.29		"	3.33		98.8	39-139		
Surrogate: Decachlorobiphenyl	2.81		"	3.33		84.4	33-163		

Matrix Spike (6A16066-MS2)

Source: B6A0311-02

Aroclor 1016	58.4	18.0	ug/kg dry	60.0	ND	97.3	47-134		
Aroclor 1260	118	18.0	"	60.0	ND	197	22-171		Q-02
Surrogate: TCX [2C]	4.53		"	4.80		94.4	39-139		
Surrogate: Decachlorobiphenyl	4.18		"	4.80		87.1	33-163		

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 425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
 509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7232
 503.906.9200 fax 503.906.9220
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5721
 542.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
 32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
 Project Number: 0496017.01
 Project Manager: Ross Dunning

Reported:
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Polychlorinated Biphenyls by EPA Method 8082 - Quality Control
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch 6A16066: Prepared 01/16/06 Using EPA 3550B

Matrix Spike (6A16066-MS4)

Source: B6A0320-02

Aroclor 1016	52.6	17.5	ug/kg dry	58.3	ND	90.2	47-134			
Aroclor 1260	51.4	17.5	"	58.3	ND	88.2	22-171			
Surrogate: TCX [2C]	4.39		"	4.67		94.0	39-139			
Surrogate: Decachlorobiphenyl	4.06		"	4.67		86.9	33-163			

Matrix Spike Dup (6A16066-MSD2)

Source: B6A0311-02

Aroclor 1016	59.3	18.1	ug/kg dry	60.2	ND	98.5	47-134	1.53	35	
Aroclor 1260	108	18.1	"	60.2	ND	179	22-171	8.85	35	Q-02
Surrogate: TCX [2C]	4.38		"	4.82		90.9	39-139			
Surrogate: Decachlorobiphenyl	4.92		"	4.82		102	33-163			

Matrix Spike Dup (6A16066-MSD4)

Source: B6A0320-02

Aroclor 1016	53.9	17.3	ug/kg dry	57.8	ND	93.3	47-134	2.44	35	
Aroclor 1260	52.3	17.3	"	57.8	ND	90.5	22-171	1.74	35	
Surrogate: TCX [2C]	4.40		"	4.62		95.2	39-139			
Surrogate: Decachlorobiphenyl	4.78		"	4.62		103	33-163			

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 425.410.9200 fax 415.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5102
 509.914.9100 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 503.906.9200 fax 503.906.9210
Bend 20332 Embury Avenue, Suite F-1, Bend, OR 97701-5711
 541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
 32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
 Project Number: 0496017.01
 Project Manager: Ross Dunning

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Polynuclear Aromatic Hydrocarbons by GC/MS-SIM - Quality Control
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch 6A17054: Prepared 01/17/06 Using EPA 3550B

Blank (6A17054-BLK1)

Acenaphthene	NO	0.0100	mg/kg wet							
Acenaphthylene	NO	0.0100	"							
Anthracene	ND	0.0100	"							
Benzo (a) anthracene	ND	0.0100	"							
Benzo (a) pyrene	ND	0.0100	"							
Benzo (b) fluoranthene	ND	0.0100	"							
Benzo (k) fluoranthene	ND	0.0100	"							
Benzo (ghi) perylene	ND	0.0100	"							
Chrysene	ND	0.0100	"							
Dibenz (a,h) anthracene	ND	0.0100	"							
Fluoranthene	ND	0.0100	"							
Fluorene	ND	0.0100	"							
Indeno (1,2,3-cd) pyrene	ND	0.0100	"							
1-Methylnaphthalene	ND	0.0100	"							
2-Methylnaphthalene	ND	0.0100	"							
Naphthalene	ND	0.0100	"							Q-40
Phenanthrene	ND	0.0100	"							
Pyrene	ND	0.0100	"							

Surrogate: p-Terphenyl-d14 1.52 " 1.67 91.0 50-147

LCS (6A17054-BS1)

Acenaphthene	0.611	0.0100	mg/kg wet	0.667		91.6	70-125			
Acenaphthylene	0.681	0.0100	"	0.667		102	70-133			
Anthracene	0.880	0.0100	"	0.667		132	70-152			
Benzo (a) anthracene	0.641	0.0100	"	0.667		96.1	60-125			
Benzo (a) pyrene	0.669	0.0100	"	0.667		100	64-134			
Benzo (b) fluoranthene	0.726	0.0100	"	0.667		109	62-147			
Benzo (k) fluoranthene	0.729	0.0100	"	0.667		109	60-144			
Benzo (ghi) perylene	0.763	0.0100	"	0.667		114	57-137			
Chrysene	0.727	0.0100	"	0.667		109	70-139			
Dibenz (a,h) anthracene	0.815	0.0100	"	0.667		122	56-140			
Fluoranthene	0.745	0.0100	"	0.667		112	70-141			
Fluorene	0.751	0.0100	"	0.667		113	76-132			
Indeno (1,2,3-cd) pyrene	0.768	0.0100	"	0.667		115	55-138			
1-Methylnaphthalene	0.584	0.0100	"	0.667		87.6	46-128			

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 425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
 509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 503.906.9200 fax 503.906.9210
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Polynuclear Aromatic Hydrocarbons by GC/MS-SIM - Quality Control
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes

Batch 6A17054: Prepared 01/17/06 Using EPA 3550B

LCS (6A17054-BS1)

2-Methylnaphthalene	0.573	0.0100	mg/kg wet	0.667		85.9	41-125			
Naphthalene	0.510	0.0100	"	0.667		76.5	43-125			Q-40
Phenanthrene	0.750	0.0100	"	0.667		112	73-125			
Pyrene	0.664	0.0100	"	0.667		99.6	68-140			
Surrogate: p-Terphenyl-d14	1.58		"	1.67		94.6	50-147			

LCS Dup (6A17054-BSD1)

Acenaphthene	0.592	0.0100	mg/kg wet	0.667		88.8	70-125	3.16	40	
Acenaphthylene	0.671	0.0100	"	0.667		101	70-133	1.48	40	
Anthracene	0.884	0.0100	"	0.667		133	70-152	0.454	40	
Benzo (a) anthracene	0.638	0.0100	"	0.667		95.7	60-125	0.469	40	
Benzo (a) pyrene	0.660	0.0100	"	0.667		99.0	64-134	1.35	26	
Benzo (b) fluoranthene	0.723	0.0100	"	0.667		108	62-147	0.414	40	
Benzo (k) fluoranthene	0.721	0.0100	"	0.667		108	60-144	1.10	40	
Benzo (ghi) perylene	0.758	0.0100	"	0.667		114	57-137	0.657	40	
Chrysene	0.721	0.0100	"	0.667		108	70-139	0.829	24	
Dibenz (a,h) anthracene	0.816	0.0100	"	0.667		122	56-140	0.123	40	
Fluoranthene	0.742	0.0100	"	0.667		111	70-141	0.403	40	
Fluorene	0.733	0.0100	"	0.667		110	76-132	2.43	43	
Indeno (1,2,3-cd) pyrene	0.766	0.0100	"	0.667		115	55-138	0.261	39	
1-Methylnaphthalene	0.570	0.0100	"	0.667		85.5	46-128	2.43	40	
2-Methylnaphthalene	0.555	0.0100	"	0.667		83.2	41-125	3.19	40	
Naphthalene	0.490	0.0100	"	0.667		73.5	43-125	4.00	40	Q-40
Phenanthrene	0.762	0.0100	"	0.667		114	73-125	1.59	40	
Pyrene	0.660	0.0100	"	0.667		99.0	68-140	0.604	40	
Surrogate: p-Terphenyl-d14	1.57		"	1.67		94.0	50-147			

Matrix Spike (6A17054-MS1)

Source: B6A0315-01

Acenaphthene	0.634	0.0105	mg/kg dry	0.703	ND	90.2	67-132			
Acenaphthylene	0.685	0.0105	"	0.703	0.00127	97.3	65-142			
Anthracene	0.893	0.0105	"	0.703	0.00605	126	66-158			
Benzo (a) anthracene	0.648	0.0105	"	0.703	0.00127	92.0	41-156			
Benzo (a) pyrene	0.680	0.0105	"	0.703	0.00105	96.6	52-148			
Benzo (b) fluoranthene	0.896	0.0105	"	0.703	0.000984	127	53-151			
Benzo (k) fluoranthene	0.815	0.0105	"	0.703	ND	116	46-161			

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 425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
 509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
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Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
 32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
 Project Number: 0496017.01
 Project Manager: Ross Dunning

Reported:
 01/19/06 13:48

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM - Quality Control
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch 6A17054: Prepared 01/17/06 Using EPA 3550B

Matrix Spike (6A17054-MS1)

Source: B6A0315-01

Benzo (ghi) perylene	0.310	0.0105	mg/kg dry	0.703	0.00309	43.7	26-154			
Chrysene	0.729	0.0105	"	0.703	0.000984	104	55-155			
Dibenz (a,h) anthracene	0.435	0.0105	"	0.703	ND	61.9	27-157			
Fluoranthene	0.740	0.0105	"	0.703	0.00373	105	46-172			
Fluorene	0.752	0.0105	"	0.703	0.00148	107	66-143			
Indeno (1,2,3-cd) pyrene	0.384	0.0105	"	0.703	0.00120	54.5	24-159			
1-Methylnaphthalene	0.587	0.0105	"	0.703	0.00112	83.3	39-140			
2-Methylnaphthalene	0.573	0.0105	"	0.703	0.000914	81.4	32-139			
Naphthalene	0.519	0.0105	"	0.703	0.00626	72.9	38-134			
Phenanthrene	0.764	0.0105	"	0.703	0.00330	108	63-139			
Pyrene	0.677	0.0105	"	0.703	0.00260	95.9	51-172			

Surrogate: p-Terphenyl-d14 1.59 " 1.76 90.3 50-147

Matrix Spike Dup (6A17054-MSD1)

Source: B6A0315-01

Acenaphthene	0.632	0.0106	mg/kg dry	0.705	ND	89.6	67-132	0.316	50	
Acenaphthylene	0.712	0.0106	"	0.705	0.00127	101	65-142	3.87	50	
Anthracene	0.926	0.0106	"	0.705	0.00605	130	66-158	3.63	50	
Benzo (a) anthracene	0.677	0.0106	"	0.705	0.00127	95.8	41-156	4.38	50	
Benzo [a] pyrene	0.705	0.0106	"	0.705	0.00105	99.9	52-148	3.61	50	
Benzo (b) fluoranthene	0.903	0.0106	"	0.705	0.000984	128	53-151	0.778	50	
Benzo (k) fluoranthene	0.820	0.0106	"	0.705	ND	116	46-161	0.612	50	
Benzo (ghi) perylene	0.388	0.0106	"	0.705	0.00309	54.6	26-154	22.3	50	
Chrysene	0.759	0.0106	"	0.705	0.000984	108	55-155	4.03	44	
Dibenz (a,h) anthracene	0.516	0.0106	"	0.705	ND	73.2	27-157	17.0	50	
Fluoranthene	0.783	0.0106	"	0.705	0.00373	111	46-172	5.65	50	
Fluorene	0.765	0.0106	"	0.705	0.00148	108	66-143	1.71	52	
Indeno (1,2,3-cd) pyrene	0.464	0.0106	"	0.705	0.00120	65.6	24-159	18.9	43	
1-Methylnaphthalene	0.601	0.0106	"	0.705	0.00112	85.1	39-140	2.36	50	
2-Methylnaphthalene	0.582	0.0106	"	0.705	0.000914	82.4	32-139	1.56	50	
Naphthalene	0.517	0.0106	"	0.705	0.00626	72.4	38-134	0.386	50	
Phenanthrene	0.792	0.0106	"	0.705	0.00330	112	63-139	3.60	50	
Pyrene	0.708	0.0106	"	0.705	0.00260	100	51-172	4.48	50	

Surrogate: p-Terphenyl-d14 1.63 " 1.76 92.6 50-147

North Creek Analytical - Bothell

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Kate Haney

Kate Haney, Project Manager

North Creek Analytical, Inc.
 Environmental Laboratory Network

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425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Horborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
01/19/06 13:48

Physical Parameters by APHA/ASTM/EPA Methods - Quality Control
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch 6A17061: Prepared 01/17/06 Using Dry Weight

Blank (6A17061-BLK1)

Dry Weight	100	1.00	%

North Creek Analytical - Bothell

Kate Haney, Project Manager

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Environmental Laboratory Network

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509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
01/19/06 13:48

Notes and Definitions

D-06 The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

D-09 Results in the diesel organics range are primarily due to overlap from a heavy oil range product.

Q-02 The spike recovery for this QC sample is outside of NCA established control limits due to sample matrix interference.

Q-14 Visual examination indicates the RPD and/or matrix spike recovery is outside the control limit due to a non-homogeneous sample matrix.

Q-28 This sample was re-analyzed at a dilution due to matrix related internal standard failure at the initial final volume.

Q-40 This analyte had a low bias in the associated calibration verification standard.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

North Creek Analytical - Bothell

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Kate Hancy, Project Manager

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11922 E 1st Ave, Spokane, WA 99206-5302 FAX 924-9200
9403 SW Nimbus Ave, Beaverton, OR 97008-7145 FAX 906-9210
20332 Empire Ave, Ste F1, Hazel, OR 97101-5712 FAX 383-7588
2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 FAX 563-9200

CHAIN OF CUSTODY REPORT

Work Order #: **B6A0315**

NCA CLIENT: BNSE		INVOICE TO: BNSE shipped BNSE			
REPORT TO: Post Damage E-mechy checks		P.O. NUMBER: 1713-008-F01			
ADDRESS: 2001 3rd Ave S Ste 100		PRESERVATIVE			
PHONE: 203 891 1111 FAX:		REQUESTED ANALYSES			
PROJECT NAME: Medication		OTHER: ☐ Specify:			
PROJECT NUMBER: 0496017X01		Turnaround Request			
SAMPLED BY: PAI		in Business Days *			
CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	NCA WO ID
1 H-3-7	1-13-06 1045	S	1		-01
2 IM-1	1-13-06 1115	1	2		-02
3 IM-2	1-13-06 1130	1	2		-03
4 Rinker-1	1-13-06 1300	1	2	Hold	-04
5 F-5-2.5	1-16-06 1230	1	1		-05
6 G-5-3.0	1-16-06 1235	1	1		-06
7 H-5-3.0	1-16-06 1240	1	1		-07
8 I-5-3.5	1-16-06 1245	1	1		-08
9 J-5-4	1-16-06 1250	1	1		-09
10 K-5-5	1-16-06 1300	1	1		-19
RELEASED BY: DJM		RECEIVED BY: TS/PAI		DATE: 1/16/06	
PRINT NAME: DAVID JOHNSON		PRINT NAME: Blankinship		FIRM: NCA TIME: 1335	
RELEASED BY:		RECEIVED BY:		DATE:	
PRINT NAME:		PRINT NAME:		FIRM:	
ADDITIONAL REMARKS:		TEMP: 2.0		PAGE OF 1 2	
COC REV 05/04		@66435			



CHAIN OF CUSTODY REPORT

11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244 425-420-9200 FAX 420-9210
11922 E 1st Ave, Spokane, WA 99208-5302 509-924-9200 FAX 924-9200
9405 SW Plummer Ave, Beaverton, OR 97008-7145 503-906-9200 FAX 906-9210
20332 Douglas Ave, Ste 171, Bend, OR 97701-5712 541-383-9310 FAX 382-2588
2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 907-563-9200 FAX 563-9210

Work Order #: B6A0315

TURNAROUND REQUEST

In Business Days *

☐ 1	☐ 2	☐ 3	☐ 4	☐ 5	☐ 6	☐ 7	☐ 8	☐ 9	☐ 10
Organic & Inorganic Analysis									
☐ 1	☐ 2	☐ 3	☐ 4	☐ 5	☐ 6	☐ 7	☐ 8	☐ 9	☐ 10
Petroleum Hydrocarbon Analysis									

OTHER ☐ Specify:

* Turnaround Requested for the following test and sample

INVOICE TO:

BACE Shipping

BUSC

P.O. NUMBER: 775-000-001

PRESERVATIVE

REQUESTED ANALYSES

NCA CLIENT: BUSC		REPORT TO: BACE Shipping	
ADDRESS: 2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119		PHONE: 907-563-9200 FAX: 907-563-9210	
PROJECT NAME: Project 101		PROJECT NUMBER: 074007.01	
SAMPLED BY: BUSC		INVOICE TO: BACE Shipping	

CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	REQUESTED ANALYSES	MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	NCA W/O ID
1 L-5-6	1-16-06 1305	X	S	1		-11
2 M-5-6	1-16-06 1310	X	S	1		-12
3 M/N-4-6	1-16-06 1315	X	S	1		-13
4						
5						
6						
7						
8						
9						
10						

RELEASED BY:

DAVID

DATE:

1-16-06

PRINT NAME:

DAVID

FIRM:

David Webb

TIME:

1335

RELEASED BY:

DAVID

DATE:

1-16-06

PRINT NAME:

DAVID

FIRM:

David Webb

TIME:

1335

ADDITIONAL REMARKS:

COC REV 0904

0606 1435

4.0 22



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
425.420.9200 fax 425.420.9210
Spokane 11922 East 1st Avenue, Spokane Valley, WA 99206-5301
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-2, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

November 29, 2006

Ross Dunning
Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

RE: BNSF-Harborview Park

Enclosed are the results of analyses for samples received by the laboratory on 01/16/06 14:35.
The following list is a summary of the NCA Work Orders contained in this report.
If you have any questions concerning this report, please feel free to contact me.

<u>Work</u>	<u>Project</u>	<u>ProjectNumber</u>
B6A0315	BNSF-Harborview Park	0496017.01

Thank You,

Kate Hancy, Project Manager

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Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
phone: (425) 420.9200 fax: (425) 420.9210
Spokane 11922 East 1st Avenue, Spokane Valley, WA 99206-5302
phone: (509) 924.9200 fax: (509) 924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-3132
phone: (503) 906.9200 fax: (503) 906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
phone: (541) 383.9310 fax: 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
phone: (907) 563.9200 fax: (907) 563.9210

Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project Name: **BNSF-Harborview Park**

Project Number: **0496017.01**

Project Manager: **Ross Dunning**

Report Created:

11/29/06 15:41

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
I-5-3.5	B6A0315-08	Soil	01/16/06 12:45	01/16/06 14:35

TestAmerica - Seattle, WA

Kate Haney

Kate Haney, Project Manager

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Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
 phone: (425) 420.9200 fax: (425) 420.9210
 Spokane 11922 East 1st Avenue, Spokane Valley, WA 99206-5302
 phone: (509) 924.9200 fax: (509) 924.9290
 Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 phone: (503) 906.9200 fax: (503) 906.9210
 Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 phone: (541) 383.9310 fax: 541.382.7588
 Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 phone: (907) 563.9200 fax: (907) 563.9210

Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project Name: **BNSF-Harborview Park**

Project Number: 0496017.01

Project Manager: Ross Dunning

Report Created:

11/29/06 15:41

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
B6A0315-08	Soil	1-5-3.5	Sampled: 01/16/06 12:45							Q-28
Acenaphthene	EPA 8270-SIM	ND	----	0.116	mg/kg dry	10x	6A17054	01/17/06	01/18/06 13:55	
Acenaphthylene	"	ND	----	0.116	"	"	"	"	"	
Anthracene	"	ND	----	0.116	"	"	"	"	"	
Benzo (a) anthracene	"	ND	----	0.116	"	"	"	"	"	
Benzo (a) pyrene	"	ND	----	0.116	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	----	0.116	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	----	0.116	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	----	0.116	"	"	"	"	"	
Chrysene	"	ND	----	0.116	"	"	"	"	"	
Dibenz (a,h) anthracene	"	ND	----	0.116	"	"	"	"	"	
Fluoranthene	"	ND	----	0.116	"	"	"	"	"	
Fluorene	"	ND	----	0.116	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	----	0.116	"	"	"	"	"	
1-Methylnaphthalene	"	ND	----	0.116	"	"	"	"	"	
2-Methylnaphthalene	"	ND	----	0.116	"	"	"	"	"	
Naphthalene	"	ND	----	0.116	"	"	"	"	"	Q-40
Phenanthrene	"	ND	----	0.116	"	"	"	"	"	
Pyrene	"	ND	----	0.116	"	"	"	"	"	

Surrogate(s): p-Terphenyl-d14

Recovery: 73.6%

Limits: 50 - 147 %

"

"

B6A0315-08RE1	Soil	t-5-3.5	Sampled: 01/16/06 12:45							
Acenaphthene	EPA 8270-SIM	ND	----	0.0116	mg/kg dry	1x	6A17054	01/17/06	01/18/06 19:50	
Acenaphthylene	"	ND	----	0.0116	"	"	"	"	"	
Anthracene	"	ND	----	0.0116	"	"	"	"	"	
Benzo (a) anthracene	"	0.0169	----	0.0116	"	"	"	"	"	
Benzo (a) pyrene	"	0.0388	----	0.0116	"	"	"	"	"	
Benzo (b) fluoranthene	"	0.0459	----	0.0116	"	"	"	"	"	Q-20
Benzo (k) fluoranthene	"	0.0337	----	0.0116	"	"	"	"	"	Q-20
Benzo (ghi) perylene	"	0.0147	----	0.0116	"	"	"	"	"	Q-20
Chrysene	"	0.0376	----	0.0116	"	"	"	"	"	
Dibenz (a,h) anthracene	"	ND	----	0.0116	"	"	"	"	"	Q-20
Fluoranthene	"	0.0549	----	0.0116	"	"	"	"	"	
Fluorene	"	ND	----	0.0116	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	----	0.0116	"	"	"	"	"	Q-20
1-Methylnaphthalene	"	ND	----	0.0116	"	"	"	"	"	
2-Methylnaphthalene	"	ND	----	0.0116	"	"	"	"	"	
Naphthalene	"	ND	----	0.0116	"	"	"	"	"	
Phenanthrene	"	0.0420	----	0.0116	"	"	"	"	"	
Pyrene	"	0.0445	----	0.0116	"	"	"	"	"	

Surrogate(s): p-Terphenyl-d14

Recovery: 79.8%

Limits: 50 - 147 %

"

"

TestAmerica - Seattle, WA

Kate Haney

Kate Haney, Project Manager

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Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
phone: (425) 420.9200 fax: (425) 420.9210
Spokane 11922 East 1st Avenue, Spokane Valley, WA 99206-5302
phone: (509) 924.9200 fax: (509) 924.9290
Portland 9405 SW Nilpus Avenue, Beaverton, OR 97008-7172
phone: (503) 906.9200 fax: (503) 906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
phone: (541) 783.9310 fax: 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
phone: (907) 563.9200 fax: (907) 563.9210

Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project Name: **BNSF-Harborview Park**

Project Number: 0496017.01

Project Manager: Ross Dunning

Report Created:

11/29/06 15:41

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes

TestAmerica - Seattle, WA

Kate Dunning

Kate Hancy, Project Manager

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Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
phone: (425) 420.9200 fax: (425) 420.9210
Spokane 11922 East 1st Avenue, Spokane Valley, WA 99206-5302
phone: (509) 924.9200 fax: (509) 924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7122
phone: (503) 906.9200 fax: (503) 906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
phone: (541) 383.9310 fax: (541) 382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
phone: (907) 563.9200 fax: (907) 563.9210

Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project Name: **BNSF-Harborview Park**Project Number: **0496017.01**Project Manager: **Ross Dunning**

Report Created:

11/29/06 15:41

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6A17054

Soil Preparation Method: EPA 3550B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6A17054-BLK1)										Extracted: 01/17/06 13:07				
Acenaphthene	EPA 8270-SIM	ND	---	0.0100	mg/kg wet	1x	--	--	--	--	--	--	01/18/06 11:56	
Acenaphthylene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Anthracene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Benzo (a) anthracene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Benzo (a) pyrene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Benzo (b) fluoranthene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Benzo (k) fluoranthene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Benzo (ghi) perylene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Chrysene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Dibenz (a,h) anthracene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Fluoranthene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Fluorene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Indeno (1,2,3-cd) pyrene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
1-Methylnaphthalene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
2-Methylnaphthalene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	Q-40
Phenanthrene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Pyrene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	

Surrogate(s): p-Terphenyl-d14

Recovery: 91.0%

Limits: 50-147%

01/18/06 11:56

LCS (6A17054-BSI)

Extracted: 01/17/06 13:07

Acenaphthene	EPA 8270-SIM	0.611	---	0.0100	mg/kg wet	1x	--	0.667	91.6%	(70-125)	--	--	01/18/06 12:26	
Acenaphthylene	"	0.681	---	0.0100	"	"	--	"	102%	(70-133)	--	--	"	
Anthracene	"	0.880	---	0.0100	"	"	--	"	132%	(70-152)	--	--	"	
Benzo (a) anthracene	"	0.641	---	0.0100	"	"	--	"	96.1%	(60-125)	--	--	"	
Benzo (a) pyrene	"	0.669	---	0.0100	"	"	--	"	100%	(64-134)	--	--	"	
Benzo (b) fluoranthene	"	0.726	---	0.0100	"	"	--	"	109%	(62-147)	--	--	"	
Benzo (k) fluoranthene	"	0.729	---	0.0100	"	"	--	"	109%	(60-144)	--	--	"	
Benzo (ghi) perylene	"	0.763	---	0.0100	"	"	--	"	114%	(57-137)	--	--	"	
Chrysene	"	0.727	---	0.0100	"	"	--	"	109%	(70-139)	--	--	"	
Dibenz (a,h) anthracene	"	0.815	---	0.0100	"	"	--	"	122%	(56-140)	--	--	"	
Fluoranthene	"	0.745	---	0.0100	"	"	--	"	112%	(70-101)	--	--	"	
Fluorene	"	0.751	---	0.0100	"	"	--	"	113%	(76-132)	--	--	"	
Indeno (1,2,3-cd) pyrene	"	0.768	---	0.0100	"	"	--	"	115%	(55-138)	--	--	"	
1-Methylnaphthalene	"	0.584	---	0.0100	"	"	--	"	87.6%	(46-128)	--	--	"	
2-Methylnaphthalene	"	0.573	---	0.0100	"	"	--	"	85.9%	(41-125)	--	--	"	
Naphthalene	"	0.510	---	0.0100	"	"	--	"	76.5%	(43-125)	--	--	"	Q-40
Phenanthrene	"	0.750	---	0.0100	"	"	--	"	112%	(73-125)	--	--	"	
Pyrene	"	0.664	---	0.0100	"	"	--	"	99.6%	(68-140)	--	--	"	

Surrogate(s): p-Terphenyl-d14

Recovery: 94.6%

Limits: 511-747%

01/18/06 12:26

TestAmerica - Seattle, WA

Kate Hancy, Project Manager

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North Creek Analytical, Inc.
Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
phone: (425) 420-9200 fax: (425) 420-9210
Spokane 11922 East 1st Avenue, Spokane Valley, WA 99206-5702
phone: (509) 924-9200 fax: (509) 924-9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
phone: (503) 906-9200 fax: (503) 906-9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
phone: (541) 387-9710 fax: 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
phone: (907) 567-9200 fax: (907) 563-9210

Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project Name: **BNSF-Harborview Park**Project Number: **0496017.01**Project Manager: **Ross Dunning**

Report Created:

11/29/06 15:41**Polynuclear Aromatic Hydrocarbons by GC/MS-SIM - Laboratory Quality Control Results**

TestAmerica - Seattle, WA

QC Batch: **6A17054**Soil Preparation Method: **EPA 3550B**

Analyte	Method	Result	MDL*	MRL	Units	D/I	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS Dup (6A17054-BSD1)										Extracted: 01/17/06 13:07				
Acenaphthene	EPA 8270-SIM	0.592	---	0.0100	mg/kg wet	Ix	---	0.667	88.8%	(70-125)	3.16%	(40)	01/18/06 12:56	
Acenaphthylene	"	0.671	---	0.0100	"	"	---	"	101%	(30-133)	1.48%	"	"	
Anthracene	"	0.884	---	0.0100	"	"	---	"	133%	(70-152)	0.454%	"	"	
Benzo (a) anthracene	"	0.638	---	0.0100	"	"	---	"	95.7%	(60-125)	0.469%	"	"	
Benzo (a) pyrene	"	0.660	---	0.0100	"	"	---	"	99.0%	(64-134)	1.35%	(26)	"	
Benzo (b) fluoranthene	"	0.723	---	0.0100	"	"	---	"	108%	(62-147)	0.414%	(40)	"	
Benzo (k) fluoranthene	"	0.721	---	0.0100	"	"	---	"	108%	(60-144)	1.10%	"	"	
Benzo (ghi) perylene	"	0.758	---	0.0100	"	"	---	"	114%	(57-137)	0.657%	"	"	
Chrysene	"	0.721	---	0.0100	"	"	---	"	108%	(70-139)	0.829%	(24)	"	
Dibenz (a,h) anthracene	"	0.816	---	0.0100	"	"	---	"	122%	(56-140)	0.123%	(40)	"	
Fluoranthene	"	0.742	---	0.0100	"	"	---	"	111%	(70-141)	0.403%	"	"	
Fluorene	"	0.733	---	0.0100	"	"	---	"	110%	(76-132)	2.43%	(43)	"	
Indeno (1,2,3-cd) pyrene	"	0.766	---	0.0100	"	"	---	"	115%	(55-138)	0.261%	(39)	"	
1-Methylnaphthalene	"	0.570	---	0.0100	"	"	---	"	85.5%	(46-128)	2.43%	(40)	"	
2-Methylnaphthalene	"	0.555	---	0.0100	"	"	---	"	83.2%	(41-125)	3.19%	"	"	
Naphthalene	"	0.490	---	0.0100	"	"	---	"	73.5%	(43-125)	4.00%	"	"	Q-40
Phenanthrene	"	0.762	---	0.0100	"	"	---	"	114%	(73-125)	1.59%	"	"	
Pyrene	"	0.660	---	0.0100	"	"	---	"	99.0%	(68-140)	0.604%	"	"	

Surrogate(s): *p-Terphenyl-d14*Recovery: **94.0%**Limits: **50-147%**

01/18/06 12:56

Matrix Spike (6A17054-MS1)QC Source: **B6A0315-01**Extracted: **01/17/06 13:07**

Acenaphthene	EPA 8270-SIM	0.595	---	0.00990	mg/kg wet	Ix	---	0.660	90.2%	(67-132)	---	---	01/18/06 20:20	
Acenaphthylene	"	0.644	---	0.00990	"	"	---	"	97.6%	(65-142)	---	---	"	
Anthracene	"	0.839	---	0.00990	"	"	---	"	127%	(66-158)	---	---	"	
Benzo (a) anthracene	"	0.609	---	0.00990	"	"	---	"	92.3%	(41-156)	---	---	"	
Benzo (a) pyrene	"	0.639	---	0.00990	"	"	---	"	96.8%	(52-148)	---	---	"	
Benzo (b) fluoranthene	"	0.841	---	0.00990	"	"	---	"	127%	(53-151)	---	---	"	
Benzo (k) fluoranthene	"	0.765	---	0.00990	"	"	---	"	116%	(46-161)	---	---	"	
Benzo (ghi) perylene	"	0.291	---	0.00990	"	"	---	"	44.1%	(26-154)	---	---	"	
Chrysene	"	0.685	---	0.00990	"	"	---	"	104%	(55-155)	---	---	"	
Dibenz (a,h) anthracene	"	0.409	---	0.00990	"	"	---	"	62.0%	(27-157)	---	---	"	
Fluoranthene	"	0.695	---	0.00990	"	"	---	"	105%	(46-172)	---	---	"	
Fluorene	"	0.706	---	0.00990	"	"	---	"	107%	(66-143)	---	---	"	
Indeno (1,2,3-cd) pyrene	"	0.361	---	0.00990	"	"	---	"	54.7%	(24-159)	---	---	"	
1-Methylnaphthalene	"	0.551	---	0.00990	"	"	---	"	83.5%	(39-140)	---	---	"	
2-Methylnaphthalene	"	0.538	---	0.00990	"	"	---	"	81.5%	(32-139)	---	---	"	
Naphthalene	"	0.487	---	0.00990	"	"	---	"	73.8%	(38-134)	---	---	"	
Phenanthrene	"	0.717	---	0.00990	"	"	---	"	109%	(63-139)	---	---	"	
Pyrene	"	0.636	---	0.00990	"	"	---	"	96.4%	(51-172)	---	---	"	

Surrogate(s): *p-Terphenyl-d14*Recovery: **90.3%**Limits: **50-147%**

01/18/06 20:20

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Kate Hsney, Project Manager

North Creek Analytical, Inc.
Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
 phone: (425) 420.9200 fax: (425) 420.9210
Spokane 11922 East 1st Avenue, Spokane Valley, WA 99206-5302
 phone: (509) 924.9200 fax: (509) 924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 phone: (503) 906.9200 fax: (503) 906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 phone: (541) 383.9310 fax: 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-2119
 phone: (907) 563.9200 fax: (907) 563.9210

Kennedy/Jenks Consultants 32001 32nd Ave S Ste 100 Federal Way, WA/USA 98001	Project Name: BNSF-Harborview Park Project Number: 0496017.01 Project Manager: Ross Dunning
	Report Created: 11/29/06 15:41

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6A17054	Soil Preparation Method: EPA 3550B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Matrix Spike Dup (6A17054-MSD1)				QC Source: B6A0315-01				Extracted: 01/17/06 13:07						
Acenaphthene	EPA 8270-SIM	0.594	---	0.00993	mg/kg wcr	1x	0.662	89.7%	(67-132)	0.168%	(50)	01/18/06 20:49		
Acenaphthylene	"	0.668	---	0.00993	"	"	"	101%	(65-142)	3.66%	"	"		
Anthracene	"	0.870	---	0.00993	"	"	"	131%	(66-158)	3.63%	"	"		
Benzo (a) anthracene	"	0.636	---	0.00993	"	"	"	96.1%	(41-156)	4.34%	"	"		
Benzo (a) pyrene	"	0.662	---	0.00993	"	"	"	100%	(52-148)	3.54%	"	"		
Benzo (b) fluoranthene	"	0.848	---	0.00993	"	"	"	128%	(53-151)	0.829%	"	"		
Benzo (k) fluoranthene	"	0.770	---	0.00993	"	"	"	116%	(46-161)	0.651%	"	"		
Benzo (ghi) perylene	"	0.365	---	0.00993	"	"	"	55.1%	(26-154)	22.6%	"	"		
Chrysene	"	0.713	---	0.00993	"	"	"	108%	(55-155)	4.01%	(44)	"		
Dibenz (a,h) anthracene	"	0.484	---	0.00993	"	"	"	73.1%	(27-157)	16.8%	(50)	"		
Fluoranthene	"	0.735	---	0.00993	"	"	"	111%	(46-172)	5.59%	"	"		
Fluorene	"	0.718	---	0.00993	"	"	"	108%	(66-143)	1.69%	(52)	"		
Indeno (1,2,3-cd) pyrene	"	0.436	---	0.00993	"	"	"	65.9%	(24-159)	18.8%	(43)	"		
1-Methylnaphthalene	"	0.565	---	0.00993	"	"	"	85.3%	(39-140)	2.51%	(50)	"		
2-Methylnaphthalene	"	0.547	---	0.00993	"	"	"	82.6%	(32-139)	1.66%	"	"		
Naphthalene	"	0.485	---	0.00993	"	"	"	73.3%	(38-134)	0.412%	"	"		
Phenanthrene	"	0.744	---	0.00993	"	"	"	112%	(63-139)	3.70%	"	"		
Pyrene	"	0.665	---	0.00993	"	"	"	100%	(51-172)	4.46%	"	"		
Surrogate(s): p-Terphenyl-d14		Recovery: 92.2%		Limits: 50-147%		"		01/18/06 20:49						

TestAmerica - Seattle, WA

Kate Hancy

Kate Hancy, Project Manager

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North Creek Analytical, Inc.
Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
phone: (425) 420.9200 fax: (425) 420.9210
Spokane 11922 East 1st Avenue, Spokane Valley, WA 99216-5302
phone: (509) 924.9200 fax: (509) 924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
phone: (503) 906.9200 fax: (503) 906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
phone: (541) 383.9310 fax: 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
phone: (907) 563.9200 fax: (907) 563.9210

Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project Name: **BNSF-Harborview Park**

Project Number: 0496017.01

Project Manager: Ross Dunning

Report Created:

11/29/06 15:41

Notes and Definitions

Report Specific Notes:

- Q-20 - The internal standard associated with this analyte was outside normal acceptance criteria and biased low.
- Q-28 - This sample was re-analyzed at a dilution due to matrix related internal standard failure at the initial final volume.
- Q-40 - This analyte had a low bias in the associated calibration verification standard.

Laboratory Reporting Conventions:

- DET - Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only.
- ND - Analyte NOT DETECTED at or above the reporting limit (MDL or MRL, as appropriate).
- NR / NA - Not Reported / Not Available
 - dry - Sample results reported on a dry weight basis. Reporting Limits have been corrected for %Solids.
 - wet - Sample results and reporting limits reported on a wet weight basis (as received).
- RPD - Relative Percent Difference. (RPDs calculated using Results, not Percent Recoveries).
- MRL - METHOD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.
- MDL* - METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B. *MDLs are listed on the report only if the data has been evaluated below the MRL. Results between the MDL and MRL are reported as Estimated results.
- Dil - Dilutions are calculated based on deviations from the standard dilution performed for an analysis, and may not represent the dilution found on the analytical raw data.
- Reporting limits - Reporting limits (MOLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and percent solids, where applicable.

TestAmerica - Seattle, WA

Kote Haney, Project Manager

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Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
425.420.9200 fax 425.420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimous Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1129
907.563.9200 fax 907.563.9210

24 January 2006

Ross Dunning
Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001
RE: BNSF-Harborview Park

Enclosed are the results of analyses for samples received by the laboratory on 01/20/06 17:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kate Haney
Project Manager



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
01/24/06 17:04

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
N2	B6A0404-01	Soil	01/20/06 11:00	01/20/06 17:30
N22	B6A0404-02	Soil	01/20/06 11:10	01/20/06 17:30
N13	B6A0404-03	Soil	01/20/06 11:15	01/20/06 17:30
N4	B6A0404-04	Soil	01/20/06 11:20	01/20/06 17:30
N24	B6A0404-05	Soil	01/20/06 11:30	01/20/06 17:30
N15	B6A0404-06	Soil	01/20/06 11:35	01/20/06 17:30
N6	B6A0404-07	Soil	01/20/06 11:40	01/20/06 17:30
N26	B6A0404-08	Soil	01/20/06 11:45	01/20/06 17:30
N19	B6A0404-09	Soil	01/20/06 11:50	01/20/06 17:30
N100	B6A0404-10	Soil	01/20/06 12:00	01/20/06 17:30
CS-1-7.0	B6A0404-11	Soil	01/19/06 09:15	01/20/06 17:30
TP-19-16.0	B6A0404-12	Soil	01/19/06 10:00	01/20/06 17:30
TP-20-30.0	B6A0404-13	Soil	01/19/06 11:00	01/20/06 17:30
TP-21-14.0	B6A0404-14	Soil	01/19/06 13:30	01/20/06 17:30
TP-22-12.0	B6A0404-15	Soil	01/19/06 14:00	01/20/06 17:30

North Creek Analytical - Bothell

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Kate Haney, Project Manager

North Creek Analytical, Inc.
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Page 1 of 16



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415.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99106-5301
509.914.9100 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7111
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
01/24/06 17:04

Semivolatile Petroleum Products by NWTPH-Dx with Acid/Silica Gel Clean-up
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CS-1-7.0 (B6A0404-11) Soil Sampled: 01/19/06 09:15 Received: 01/20/06 17:30									
Diesel Range Hydrocarbons	37.7	12.3	mg/kg dry	1	6A21004	01/21/06	01/22/06	NWTPH-Dx	D-15
Lube Oil Range Hydrocarbons	64.6	30.8	"	"	"	"	"	"	D-15
Surrogate: 2-FBP	88.6 %	50-150			"	"	"	"	
Surrogate: Octacosane	103 %	50-150			"	"	"	"	
TP-19-16.0 (B6A0404-12) Soil Sampled: 01/19/06 10:00 Received: 01/20/06 17:30									
Diesel Range Hydrocarbons	ND	12.8	mg/kg dry	1	6A21004	01/21/06	01/22/06	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	32.0	"	"	"	"	"	"	
Surrogate: 2-FBP	83.6 %	50-150			"	"	"	"	
Surrogate: Octacosane	99.1 %	50-150			"	"	"	"	
TP-20-30.0 (B6A0404-13) Soil Sampled: 01/19/06 11:00 Received: 01/20/06 17:30									
Diesel Range Hydrocarbons	25.1	12.7	mg/kg dry	1	6A21004	01/21/06	01/22/06	NWTPH-Dx	D-15
Lube Oil Range Hydrocarbons	36.3	31.8	"	"	"	"	"	"	D-15
Surrogate: 2-FBP	78.5 %	50-150			"	"	"	"	
Surrogate: Octacosane	95.3 %	50-150			"	"	"	"	
TP-21-14.0 (B6A0404-14) Soil Sampled: 01/19/06 13:30 Received: 01/20/06 17:30									
Diesel Range Hydrocarbons	ND	12.6	mg/kg dry	1	6A21004	01/21/06	01/22/06	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	31.5	"	"	"	"	"	"	
Surrogate: 2-FBP	76.4 %	50-150			"	"	"	"	
Surrogate: Octacosane	93.6 %	50-150			"	"	"	"	
TP-22-12.0 (B6A0404-15) Soil Sampled: 01/19/06 14:00 Received: 01/20/06 17:30									
Diesel Range Hydrocarbons	ND	11.9	mg/kg dry	1	6A21004	01/21/06	01/22/06	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	29.7	"	"	"	"	"	"	
Surrogate: 2-FBP	85.7 %	50-150			"	"	"	"	
Surrogate: Octacosane	101 %	50-150			"	"	"	"	

North Creek Analytical - Bothell

Kate Haney, Project Manager

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North Creek Analytical, Inc.
Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
 425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
 509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 503.906.9200 fax 503.906.9210
Bend 20332 Emigre Avenue, Suite F-1, Bend, OR 97701-5711
 541.381.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
 32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
 Project Number: 0496017.01
 Project Manager: Ross Dunning

Reported:
 01/24/06 17:04

Total Metals by EPA 6000/7000 Series Methods
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
N2 (B6A0404-01) Soil Sampled: 01/20/06 11:00 Received: 01/20/06 17:30									
Arsenic	60.2	0.538	mg/kg dry	1	6A21033	01/23/06	01/23/06	EPA 6020	
N22 (B6A0404-02) Soil Sampled: 01/20/06 11:10 Received: 01/20/06 17:30									
Arsenic	9.63	0.478	mg/kg dry	1	6A23033	01/23/06	01/23/06	EPA 6020	
N13 (B6A0404-03) Soil Sampled: 01/20/06 11:15 Received: 01/20/06 17:30									
Arsenic	26.1	0.499	mg/kg dry	1	6A23033	01/23/06	01/23/06	EPA 6020	
N4 (B6A0404-04) Soil Sampled: 01/20/06 11:20 Received: 01/20/06 17:30									
Arsenic	71.7	0.559	mg/kg dry	1	6A23033	01/23/06	01/23/06	EPA 6020	
N24 (B6A0404-05) Soil Sampled: 01/20/06 11:30 Received: 01/20/06 17:30									
Arsenic	45.5	0.514	mg/kg dry	1	6A23033	01/23/06	01/23/06	EPA 6020	
N15 (B6A0404-06) Soil Sampled: 01/20/06 11:35 Received: 01/20/06 17:30									
Arsenic	48.9	0.473	mg/kg dry	1	6A23033	01/23/06	01/23/06	EPA 6020	
N6 (B6A0404-07) Soil Sampled: 01/20/06 11:40 Received: 01/20/06 17:30									
Arsenic	28.2	0.504	mg/kg dry	1	6A23033	01/23/06	01/23/06	EPA 6020	
N26 (B6A0404-08) Soil Sampled: 01/20/06 11:45 Received: 01/20/06 17:30									
Arsenic	47.8	0.569	mg/kg dry	1	6A23033	01/23/06	01/23/06	EPA 6020	
N19 (B6A0404-09) Soil Sampled: 01/20/06 11:50 Received: 01/20/06 17:30									
Arsenic	14.3	0.589	mg/kg dry	1	6A23033	01/23/06	01/23/06	EPA 6020	

North Creek Analytical - Bothell

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Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
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Reported:
01/24/06 17:04

Total Metals by EPA 6000/7000 Series Methods
North Creek Analytical - Bothell

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
NI00 (B6A0404-10) Soil Sampled: 01/20/06 12:00 Received: 01/20/06 17:30									
Arsenic	62.6	0.533	mg/kg dry	1	6A23033	01/23/06	01/23/06	EPA 6020	

North Creek Analytical - Bothell

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Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
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Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
01/24/06 17:04

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CS-1-7.0 (B6A0404-11) Soil Sampled: 01/19/06 09:15 Received: 01/20/06 17:30									
Acenaphthene	0.403	0.0123	mg/kg dry	1	6A21005	01/21/06	01/23/06	EPA 8270-SIM	
Acenaphthylene	ND	0.0123	"	"	"	"	"	"	
Anthracene	0.387	0.0123	"	"	"	"	"	"	
Benzo (a) anthracene	0.160	0.0123	"	"	"	"	"	"	
Benzo (a) pyrene	0.0377	0.0123	"	"	"	"	"	"	
Benzo (b) fluoranthene	0.0507	0.0123	"	"	"	"	"	"	
Benzo (k) fluoranthene	0.0466	0.0123	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	0.0123	"	"	"	"	"	"	
Chrysene	0.172	0.0123	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.0123	"	"	"	"	"	"	
Fluoranthene	1.52	0.0123	"	"	"	"	"	"	
Fluorene	0.622	0.0123	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0123	"	"	"	"	"	"	
1-Methylnaphthalene	0.0249	0.0123	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.0123	"	"	"	"	"	"	
Naphthalene	ND	0.0123	"	"	"	"	"	"	
Phenanthrene	1.37	0.0123	"	"	"	"	"	"	
Pyrene	0.833	0.0123	"	"	"	"	"	"	
Surrogate: p-Terphenyl-d14	92.7 %	50-147			"	"	"	"	

TP-19-16.0 (B6A0404-12) Soil Sampled: 01/19/06 10:00 Received: 01/20/06 17:30

Acenaphthene	ND	0.0129	mg/kg dry	1	6A21005	01/21/06	01/23/06	EPA 8270-SIM	
Acenaphthylene	ND	0.0129	"	"	"	"	"	"	
Anthracene	ND	0.0129	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.0129	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0129	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0129	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0129	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	0.0129	"	"	"	"	"	"	
Chrysene	ND	0.0129	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.0129	"	"	"	"	"	"	
Fluoranthene	ND	0.0129	"	"	"	"	"	"	
Fluorene	ND	0.0129	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0129	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.0129	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.0129	"	"	"	"	"	"	
Naphthalene	ND	0.0129	"	"	"	"	"	"	
Phenanthrene	ND	0.0129	"	"	"	"	"	"	

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Kate Haney, Project Manager

North Creek Analytical, Inc.
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Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8144
 425.410.9200 fax 425.410.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
 509.924.9200 fax 509.924.9190
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 541.383.9310 fax 541.182.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99501-1119
 907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
 32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
 Project Number: 0496017.01
 Project Manager: Ross Dunning

Reported:
 01/24/06 17:04

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM
North Creek Analytical - Bothell

Analytic	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

TP-19-16.0 (B6A0404-12) Soil Sampled: 01/19/06 10:00 Received: 01/20/06 17:30

Pyrene	ND	0.0129	mg/kg dry	1	6A21005	01/21/06	01/23/06	EPA 8270-SIM	
Surrogate: p-Terphenyl-d14	106 %	50-147			"	"	"	"	

TP-20-30.0 (B6A0404-13) Soil Sampled: 01/19/06 11:00 Received: 01/20/06 17:30

Acenaphthene	0.0606	0.0129	mg/kg dry	1	6A21005	01/21/06	01/24/06	EPA 8270-SIM	
Acenaphthylene	ND	0.0129	"	"	"	"	"	"	
Anthracene	0.246	0.0129	"	"	"	"	"	"	
Benzo (a) anthracene	0.108	0.0129	"	"	"	"	"	"	
Benzo (a) pyrene	0.0323	0.0129	"	"	"	"	"	"	
Benzo (b) fluoranthene	0.0440	0.0129	"	"	"	"	"	"	
Benzo (k) fluoranthene	0.0398	0.0129	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	0.0129	"	"	"	"	"	"	
Chrysene	0.132	0.0129	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.0129	"	"	"	"	"	"	
Fluoranthene	0.797	0.0129	"	"	"	"	"	"	
Fluorene	0.102	0.0129	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0129	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.0129	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.0129	"	"	"	"	"	"	
Naphthalene	ND	0.0129	"	"	"	"	"	"	
Phenanthrene	0.211	0.0129	"	"	"	"	"	"	
Pyrene	0.535	0.0129	"	"	"	"	"	"	
Surrogate: p-Terphenyl-d14	96.7 %	50-147			"	"	"	"	

TP-21-14.0 (B6A0404-14) Soil Sampled: 01/19/06 13:30 Received: 01/20/06 17:30

Acenaphthene	ND	0.0124	mg/kg dry	1	6A21005	01/21/06	01/23/06	EPA 8270-SIM	
Acenaphthylene	ND	0.0124	"	"	"	"	"	"	
Anthracene	ND	0.0124	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.0124	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0124	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0124	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0124	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	0.0124	"	"	"	"	"	"	
Chrysene	ND	0.0124	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.0124	"	"	"	"	"	"	
Fluoranthene	ND	0.0124	"	"	"	"	"	"	
Fluorene	ND	0.0124	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0124	"	"	"	"	"	"	

North Creek Analytical - Bothell

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Kate Haney

Kate Haney, Project Manager

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Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98021-8244
425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Benp 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5712
541.383.9320 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1129
907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
01/24/06 17:04

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM
North Creek Analytical - Bothell

Analytic	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
TP-21-14.0 (B6A0404-14) Soil Sampled: 01/19/06 13:30 Received: 01/20/06 17:30									
1-Methylnaphthalene	ND	0.0124	mg/kg dry	I	6A21005	01/21/06	01/23/06	EPA 8270-SIM	
2-Methylnaphthalene	ND	0.0124	"	"	"	"	"	"	"
Naphthalene	ND	0.0124	"	"	"	"	"	"	"
Phenanthrene	ND	0.0124	"	"	"	"	"	"	"
Pyrene	ND	0.0124	"	"	"	"	"	"	"
Surrogate: p-Terphenyl-d14	91.3 %	50-147			"	"	"	"	"
TP-22-12.0 (B6A0404-15) Soil Sampled: 01/19/06 14:00 Received: 01/20/06 17:30									
Acenaphthene	ND	0.0119	mg/kg dry	I	6A21005	01/21/06	01/23/06	EPA 8270-SIM	
Acenaphthylene	ND	0.0119	"	"	"	"	"	"	"
Anthracene	ND	0.0119	"	"	"	"	"	"	"
Benzo (a) anthracene	ND	0.0119	"	"	"	"	"	"	"
Benzo (a) pyrene	ND	0.0119	"	"	"	"	"	"	"
Benzo (b) fluoranthene	ND	0.0119	"	"	"	"	"	"	"
Benzo (k) fluoranthene	ND	0.0119	"	"	"	"	"	"	"
Benzo (ghi) perylene	ND	0.0119	"	"	"	"	"	"	"
Chrysene	ND	0.0119	"	"	"	"	"	"	"
Dibenz (a,h) anthracene	ND	0.0119	"	"	"	"	"	"	"
Fluoranthene	ND	0.0119	"	"	"	"	"	"	"
Fluorene	ND	0.0119	"	"	"	"	"	"	"
Indeno (1,2,3-cd) pyrene	ND	0.0119	"	"	"	"	"	"	"
1-Methylnaphthalene	ND	0.0119	"	"	"	"	"	"	"
2-Methylnaphthalene	ND	0.0119	"	"	"	"	"	"	"
Naphthalene	ND	0.0119	"	"	"	"	"	"	"
Phenanthrene	ND	0.0119	"	"	"	"	"	"	"
Pyrene	ND	0.0119	"	"	"	"	"	"	"
Surrogate: p-Terphenyl-d14	95.0 %	50-147			"	"	"	"	"

North Creek Analytical - Bothell

Kate Hartley, Project Manager

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425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
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Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
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Kennedy/Jenks Consultants
3200I 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
01/24/06 17:04

Physical Parameters by APHA/ASTM/EPA Methods
North Creek Analytical - Bothell

Analytic	Result	Reporting Limit	Units	Oilution	Batch	Prepared	Analyzed	Method	Notes
N2 (B6A0404-01) Soil Sampled: 01/20/06 11:00 Received: 01/20/06 17:30									
Dry Weight	92.9	1.00	%	l	6A21007	01/21/06	01/23/06	BSOPSPLO03R08	
N22 (B6A0404-02) Soil Sampled: 01/20/06 11:10 Received: 01/20/06 17:30									
Dry Weight	94.2	1.00	%	l	6A21007	01/21/06	01/23/06	BSOPSPLO03R08	
N13 (B6A0404-03) Soil Sampled: 01/20/06 11:15 Received: 01/20/06 17:30									
Dry Weight	92.0	1.00	%	l	6A21007	01/21/06	01/23/06	BSOPSPLO03R08	
N4 (B6A0404-04) Soil Sampled: 01/20/06 11:20 Received: 01/20/06 17:30									
Dry Weight	94.2	1.00	%	l	6A21007	01/21/06	01/23/06	BSOPSPLO03R08	
N24 (B6A0404-05) Soil Sampled: 01/20/06 11:30 Received: 01/20/06 17:30									
Dry Weight	92.6	1.00	%	l	6A21007	01/21/06	01/23/06	BSOPSPLO03R08	
N15 (B6A0404-06) Soil Sampled: 01/20/06 11:35 Received: 01/20/06 17:30									
Dry Weight	91.9	1.00	%	l	6A21007	01/21/06	01/23/06	BSOPSPLO03R08	
N6 (B6A0404-07) Soil Sampled: 01/20/06 11:40 Received: 01/20/06 17:30									
Dry Weight	91.8	1.00	%	l	6A21007	01/21/06	01/23/06	BSOPSPLO03R08	
N26 (B6A0404-08) Soil Sampled: 01/20/06 11:45 Received: 01/20/06 17:30									
Dry Weight	93.5	1.00	%	l	6A21007	01/21/06	01/23/06	BSOPSPLO03R08	
N19 (B6A0404-09) Soil Sampled: 01/20/06 11:50 Received: 01/20/06 17:30									
Dry Weight	94.4	1.00	%	l	6A21007	01/21/06	01/23/06	BSOPSPLO03R08	

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Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
 425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
 509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 503.906.9200 fax 503.906.9210
Bend 20132 Empire Avenue, Suite F-1, Bend, OR 97701-5711
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Project: BNSF-Harborview Park
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 Project Manager: Ross Dunning

Reported:
 01/24/06 17:04

Physical Parameters by APHA/ASTM/EPA Methods
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
N100 (B6A0404-10) Soil Sampled: 01/20/06 12:00 Received: 01/20/06 17:30									
Dry Weight	97.8	1.00	%	1	6A21007	01/21/06	01/23/06	BSOPSPL003R08	
CS-1-7.0 (B6A0404-11) Soil Sampled: 01/19/06 09:15 Received: 01/20/06 17:30									
Dry Weight	80.2	1.00	%	1	6A21007	01/21/06	01/23/06	BSOPSPL003R08	
TP-19-16.0 (B6A0404-12) Soil Sampled: 01/19/06 10:00 Received: 01/20/06 17:30									
Dry Weight	77.1	1.00	%	1	6A21007	01/21/06	01/23/06	BSOPSPL003R08	
TP-20-30.0 (B6A0404-13) Soil Sampled: 01/19/06 11:00 Received: 01/20/06 17:30									
Dry Weight	77.5	1.00	%	1	6A21007	01/21/06	01/23/06	BSOPSPL003R08	
TP-21-14.0 (B6A0404-14) Soil Sampled: 01/19/06 13:30 Received: 01/20/06 17:30									
Dry Weight	79.4	1.00	%	1	6A21007	01/21/06	01/23/06	BSOPSPL003R08	
TP-22-12.0 (B6A0404-15) Soil Sampled: 01/19/06 14:00 Received: 01/20/06 17:30									
Dry Weight	82.8	1.00	%	1	6A21007	01/21/06	01/23/06	BSOPSPL003R08	

North Creek Analytical - Bothell

Kale Haney, Project Manager

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Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
 425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
 509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 503.906.9200 fax 503.906.9210
Bend 20332 Emplie Avenue, Suite F-1, Bend, OR 97701-5711
 541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 907.561.9200 fax 907.563.9210

Kennedy/Jenks Consultants
 32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project: **BNSF-Harborview Park**
 Project Number: **0496017.01**
 Project Manager: **Ross Dunning**

Reported:
 01/24/06 17:04

Semivolatile Petroleum Products by NWTPH-Dx with Acid/Silica Gel Clean-up - Quality Control
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6A21004: Prepared 01/21/06 Using EPA 3550B										
Blank (6A21004-BLK1)										
Diesel Range Hydrocarbons	ND	10.0	mg/kg wet							
Lube Oil Range Hydrocarbons	ND	25.0	"							
Surrogate: 2-FBP	7.18		"	8.33		86.2	50-150			
Surrogate: Octacosane	8.70		"	8.33		104	50-150			
LCS (6A21004-BS1)										
Diesel Range Hydrocarbons	65.9	10.0	mg/kg wet	66.7		98.8	61-120			
Surrogate: 2-FBP	7.89		"	8.33		94.7	50-150			
LCS Dup (6A21004-BSD1)										
Diesel Range Hydrocarbons	66.0	10.0	mg/kg wet	66.7		99.0	61-120	0.152	40	
Surrogate: 2-FBP	7.85		"	8.33		94.2	50-150			
Duplicate (6A21004-DUP1) Source: B6A0404-11										
Diesel Range Hydrocarbons	26.2	12.4	mg/kg dry		37.7			36.0	50	
Lube Oil Range Hydrocarbons	ND	31.0	"		64.6			NR	50	
Surrogate: 2-FBP	8.98		"	10.3		87.2	50-150			
Surrogate: Octacosane	10.5		"	10.3		102	50-150			

North Creek Analytical - Bothell

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Kate Haney, Project Manager

North Creek Analytical, Inc.
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Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5721
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1129
907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
01/24/06 17:04

Total Metals by EPA 6000/7000 Series Methods - Quality Control
North Creek Analytical - Bothell

Analytic	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limit's	RPD	RPD Limit	Notes
Batch 6A23033: Prepared 01/23/06 Using EPA 3050B									
Blank (6A23033-BLK1)									
Arsenic	ND	0.500	mg/kg wet						
LCS (6A23033-BS1)									
Arsenic	40.8	0.500	mg/kg wet	40.0		102	80-120		
Duplicate (6A23033-DUP2)									
					Source: B6A0404-01				
Arsenic	407	2.40	mg/kg dry		60.2		148	30	Q-14
Matrix Spike (6A23033-MS1)									
					Source: B6A0404-01				
Arsenic	93.9	0.481	mg/kg dry	38.4	60.2	87.8	57-125		
Post Spike (6A23033-PS1)									
					Source: B6A0404-01				
Arsenic	0.215		ug/ml	0.100	0.112	103	75-125		

North Creek Analytical - Bothell

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Kale Haney, Project Manager

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Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20732 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
01/24/06 17:04

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM - Quality Control
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch 6A21005: Prepared 01/21/06 Using EPA 3550B

Blank (6A21005-BLK1)

Acenaphthene	ND	0.0100	mg/kg wet							
Acenaphthylene	ND	0.0100	"							
Anthracene	ND	0.0100	"							
Benzo (a) anthracene	ND	0.0100	"							
Benzo (a) pyrene	ND	0.0100	"							
Benzo (b) fluoranthene	ND	0.0100	"							
Benzo (k) fluoranthene	ND	0.0100	"							
Benzo (ghi) perylene	ND	0.0100	"							
Chrysene	ND	0.0100	"							
Dibenz (a,h) anthracene	ND	0.0100	"							
Fluoranthene	ND	0.0100	"							
Fluorene	ND	0.0100	"							
Indeno (1,2,3-cd) pyrene	ND	0.0100	"							
1-Methylnaphthalene	ND	0.0100	"							
2-Methylnaphthalene	ND	0.0100	"							
Naphthalene	ND	0.0100	"							
Phenanthrene	ND	0.0100	"							
Pyrene	ND	0.0100	"							

Surrogate: p-Terphenyl-d14 1.67 " 1.67 100 50-147

LCS (6A21005-BS1)

Acenaphthene	0.487	0.0100	mg/kg wet	0.667		73.0	70-125			
Acenaphthylene	0.540	0.0100	"	0.667		81.0	70-133			
Anthracene	0.621	0.0100	"	0.667		93.1	70-152			
Benzo (a) anthracene	0.515	0.0100	"	0.667		77.2	60-125			
Benzo (a) pyrene	0.567	0.0100	"	0.667		85.0	64-134			
Benzo (b) fluoranthene	0.609	0.0100	"	0.667		91.3	62-147			
Benzo (k) fluoranthene	0.611	0.0100	"	0.667		91.6	60-144			
Benzo (ghi) perylene	0.509	0.0100	"	0.667		76.3	57-137			
Chrysene	0.570	0.0100	"	0.667		85.5	70-139			
Dibenz (a,h) anthracene	0.548	0.0100	"	0.667		82.2	56-140			
Fluoranthene	0.600	0.0100	"	0.667		90.0	70-141			
Fluorene	0.586	0.0100	"	0.667		87.9	76-132			
Indeno (1,2,3-cd) pyrene	0.523	0.0100	"	0.667		78.4	55-138			
1-Methylnaphthalene	0.395	0.0100	"	0.667		59.2	46-128			

North Creek Analytical - Bothell

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Kate Haney

Kate Haney, Project Manager

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Environmental Laboratory Network

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 425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5102
 509.924.9200 fax 509.924.9290
Portland 9405 SW Nimdus Avenue, Beaverton, OR 97008-7132
 503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
 32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
 Project Number: 0496017.01
 Project Manager: Ross Dunning

Reported:
 01/24/06 17:04

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM - Quality Control
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch 6A21005: Prepared 01/21/06 Using EPA 3550B

LCS (6A21005-BS1)

2-Methylnaphthalene	0.419	0.0100	mg/kg wcl	0.667		62.8	41-125			
Naphthalene	0.411	0.0100	"	0.667		61.6	43-125			
Phenanthrene	0.564	0.0100	"	0.667		84.6	73-125			
Pyrene	0.558	0.0100	"	0.667		83.7	68-140			
Surrogate: p-Terphenyl-d14	1.38		"	1.67		82.6	50-147			

LCS Dup (6A21005-BS1)

Acenaphthene	0.517	0.0100	mg/kg wcl	0.667		77.5	70-125	5.98	40	
Acenaphthylene	0.587	0.0100	"	0.667		88.0	70-133	8.34	40	
Anthracene	0.666	0.0100	"	0.667		99.9	70-152	6.99	40	
Benzo (a) anthracene	0.555	0.0100	"	0.667		83.2	60-125	7.48	40	
Benzo (a) pyrene	0.604	0.0100	"	0.667		90.6	64-134	6.32	26	
Benzo (b) fluoranthene	0.693	0.0100	"	0.667		104	62-147	12.9	40	
Benzo (k) fluoranthene	0.601	0.0100	"	0.667		90.1	60-144	1.65	40	
Benzo (ghi) perylene	0.524	0.0100	"	0.667		78.6	57-137	2.90	40	
Chrysene	0.622	0.0100	"	0.667		93.3	70-139	8.72	24	
Dibenz (a,h) anthracene	0.568	0.0100	"	0.667		85.2	56-140	3.58	40	
Fluoranthene	0.633	0.0100	"	0.667		94.9	70-141	5.35	40	
Fluorene	0.635	0.0100	"	0.667		95.2	76-132	8.03	43	
Indeno (1,2,3-cd) pyrene	0.544	0.0100	"	0.667		81.6	55-138	3.94	39	
1-Methylnaphthalene	0.419	0.0100	"	0.667		62.8	46-128	5.90	40	
2-Methylnaphthalene	0.430	0.0100	"	0.667		64.5	41-125	2.59	40	
Naphthalene	0.434	0.0100	"	0.667		65.1	43-125	5.44	40	
Phenanthrene	0.597	0.0100	"	0.667		89.5	73-125	5.68	40	
Pyrene	0.591	0.0100	"	0.667		88.6	68-140	5.74	40	
Surrogate: p-Terphenyl-d14	1.50		"	1.67		89.8	50-147			

Matrix Spike (6A21005-MS1)

Source: B6A0404-11

Acenaphthene	1.19	0.0125	mg/kg dry	0.831	0.403	94.7	67-132			
Acenaphthylene	0.739	0.0125	"	0.831	0.00976	87.8	65-142			
Anthracene	1.60	0.0125	"	0.831	0.387	146	66-158			
Benzo (a) anthracene	0.912	0.0125	"	0.831	0.160	90.5	41-156			
Benzo (a) pyrene	0.796	0.0125	"	0.831	0.0177	91.3	52-148			
Benzo (b) fluoranthene	0.908	0.0125	"	0.831	0.0507	103	53-151			
Benzo (k) fluoranthene	0.796	0.0125	"	0.831	0.0466	90.2	46-161			

North Creek Analytical - Bothell

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Kate Haney

Kate Haney, Project Manager

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425.420.9200 fax 425.420.9210
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
01/24/06 17:04

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM - Quality Control
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch 6A21005: Prepared 01/21/06 Using EPA 3550B

Matrix Spike (6A21005-MS1)

Source: B6A0404-11

Benzo (ghi) perylene	0.624	0.0125	mg/kg dry	0.831	0.00755	74.2	26-154			
Chrysene	0.994	0.0125	"	0.831	0.172	98.9	55-155			
Dibenz (a,h) anthracene	0.695	0.0125	"	0.831	0.00500	83.0	27-157			
Fluoranthene	3.11	0.0125	"	0.831	1.52	191	46-172			Q-02, E
Fluorene	1.67	0.0125	"	0.831	0.622	126	66-143			E
Indeno (1,2,3-cd) pyrene	0.672	0.0125	"	0.831	0.00845	79.8	24-159			
1-Methylnaphthalene	0.557	0.0125	"	0.831	0.0249	64.0	39-140			
2-Methylnaphthalene	0.578	0.0125	"	0.831	0.00878	68.5	32-139			
Naphthalene	0.575	0.0125	"	0.831	0.00853	68.2	38-134			
Phenanthrene	2.61	0.0125	"	0.831	1.37	149	63-139			Q-02, E
Pyrene	1.90	0.0125	"	0.831	0.833	128	51-172			E
Surrogate: p-Terphenyl-d14	1.84		"	2.08		88.5	50-147			

Matrix Spike Dup (6A21005-MSD1)

Source: B6A0404-11

Acenaphthene	1.11	0.0123	mg/kg dry	0.820	0.403	86.2	67-132	6.96	50	
Acenaphthylene	0.727	0.0123	"	0.820	0.00976	87.5	65-142	1.64	50	
Anthracene	1.69	0.0123	"	0.820	0.387	159	66-158	5.47	50	E, Q-02
Benzo (a) anthracene	0.903	0.0123	"	0.820	0.160	90.6	41-156	0.992	50	
Benzo (a) pyrene	0.794	0.0123	"	0.820	0.0377	92.2	52-148	0.252	50	
Benzo (b) fluoranthene	0.850	0.0123	"	0.820	0.0507	97.5	53-151	6.60	50	
Benzo (k) fluoranthene	0.874	0.0123	"	0.820	0.0466	101	46-161	9.34	50	
Benzo (ghi) perylene	0.608	0.0123	"	0.820	0.00755	73.2	26-154	2.60	50	
Chrysene	0.992	0.0123	"	0.820	0.172	100	55-155	0.201	44	
Dibenz (a,h) anthracene	0.690	0.0123	"	0.820	0.00500	83.5	27-157	0.722	50	
Fluoranthene	2.74	0.0123	"	0.820	1.52	149	46-172	12.6	50	E
Fluorene	1.57	0.0123	"	0.820	0.622	116	66-143	6.17	52	
Indeno (1,2,3-cd) pyrene	0.664	0.0123	"	0.820	0.00845	79.9	24-159	1.20	43	
1-Methylnaphthalene	0.530	0.0123	"	0.820	0.0249	61.6	39-140	4.97	50	
2-Methylnaphthalene	0.559	0.0123	"	0.820	0.00878	67.1	32-139	3.34	50	
Naphthalene	0.564	0.0123	"	0.820	0.00853	67.7	38-134	1.93	50	
Phenanthrene	2.25	0.0123	"	0.820	1.37	107	63-139	14.8	50	E
Pyrene	1.80	0.0123	"	0.820	0.833	118	51-172	5.41	50	E
Surrogate: p-Terphenyl-d14	1.86		"	2.05		90.7	50-147			

North Creek Analytical - Bothell

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Kate Haney, Project Manager

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Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
425.410.9200 fax 415.420.9110
Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.924.9190
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
01/24/06 17:04

Physical Parameters by APHA/ASTM/EPA Methods - Quality Control
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch 6A21007: Prepared 01/21/06 Using Dry Weight

Blank (6A21007-BLK1)

Dry Weight	100	1.00	%

North Creek Analytical - Bothell

Kate Haney, Project Manager

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Spokane 11922 E. 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.924.9190
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

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Project: BNSF-Harborview Park
Project Number: 0496017.01
Project Manager: Ross Dunning

Reported:
01/24/06 17:04

Notes and Definitions

D-15 Hydrocarbon pattern most closely resembles a heavy fuel oil product.

E Estimated value. The reported value exceeds the calibration range of the analysis.

Q-02 The spike recovery for this QC sample is outside of NCA established control limits due to sample matrix interference.

Q-14 Visual examination indicates the RPD and/or matrix spike recovery is outside the control limit due to a non-homogeneous sample matrix.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

North Creek Analytical - Bothell

Kate Haney, Project Manager

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11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-4744 FAX 425-920-9210
11922 E 1st Ave, Spokane, WA 99206-5302 FAX 509-924-9280
9405 SW Nimbus Ave, Beaverton, OR 97008-7145 FAX 503-906-9210
20332 Basing Ave, Sea Pl, Beav, OR 97701-5712 FAX 503-383-9310
2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 FAX 907-563-9200

CHAIN OF CUSTODY REPORT

NCA CLIENT: Kennedy/Travis Consultants		INVOICE TO: BWSF		West Order #: B6A444V	
REPORT TO: Ty Schmitt		ATTN: Bruce Shippard		TURNAROUND REQUEST	
ADDRESS: 32001 32nd Ave S, Suite 100		Pro approval by Ross Danning		in Business Days	
FEDERAL WAG, WA 98001		(14/5)		Organic & Inorganic Analysis	
PHONE: 253-871-0535 FAX: 253-952-3475		P.O. NUMBER: TTB-008-F01		Permeation Hydrocarbon Analysis	
PROJECT NAME: BWSF Hanford		PRESERVATIVE		OTHER: ☐ Specialty	
PROJECT NUMBER: 0496017-01		REQUESTED ANALYSES		NCA W/O ID	
SAMPLED BY: JPS		HISTORIC		LOCATION / COMMENTS	
CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME			MATRIX (W, S, O)	# OF CONT.
1 N 2	1/20/06 11:00	X		S	1
2 N 22	" 11:10	X		S	1
3 N 13	" 11:15	X		S	1
4 N 4	" 11:20	X		S	1
5 N 24	" 11:30	X		S	1
6 N 15	" 11:35	X		S	1
7 N 6	" 11:40	X		S	1
8 N 26	" 11:45	X		S	1
9 N 19	" 11:56	X		S	1
10 N 100	" 12:00	X		S	1
RELEASED BY: JPS		DATE: 1/20/06		RECEIVED BY: JPS	
PRINT NAME: John J. J. J.		TIME: 16:01		FIRM: NCA	
RELEASED BY:		DATE:		DATE: 1/20/06	
PRINT NAME:		TIME:		TIME: 16:01	
ADDITIONAL REMARKS:		FIRM:		FIRM: NCA	
COC REV 09/04		FIRM:		FIRM: NCA	



CHAIN OF CUSTODY REPORT

11720 North Creek Pkwy N Suite 400, Redell, WA 98011-4244 425-430-9200 FAX 425-9210
11822 E Le Ave, Spokane, WA 99208-5302 509-944-9200 FAX 509-944-9200
9405 SW Newman Ave, Buxton, OR 97008-7145 503-904-9200 FAX 503-904-9210
20332 Buxton Ave, Ste F1, Buxton, OR 97001-5712 541-383-9310 FAX 541-383-7588
2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 907-563-9200 FAX 907-563-9210

Work Order #

BLA0454

TURNAROUND REQUEST

by Business Days *

Organic & Inorganic Analysis

☐ W	☐ 7	☐ 5	☐ 4	☐ 3	☐ 2	☐ 1	☐ 0

Retention Hydrocarbon Analysis

☐ 5	☐ 4	☐ 3	☒ 2	☐ 1	☐ 0

OPTIONAL ☐ Specify:

*Turnaround Request based on receipt of test sample.

INVOICE TO: BWSF

Attn: Bruce Shppard

Per approval by Ross Dunning

PO NUMBER: 7713-008-F01

PRESERVATIVE

NCA CLIENT: Kennedy/Tunks Consultants

REPORT TO: Ty Sullivan

ADDRESS: 32001 32nd Ave S, Suite 100
Federal Way, WA 98001

PHONE: 253-874-0535 FAX: 253-952-3435

PROJECT NAME: BWSF Harborview

PROJECT NUMBER: 0496017-01

SAMPLED BY: TFS

CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	REQUESTED ANALYSES										MATRIX (W, S, O)	# OF CONT.	LOCATION/ COMMENTS	NCA WORD
		NWTPH-DX w/silica gel	PAHs												
1 ES-7-7.0	1/19/02 09:15	X	X									S	1		-01
2 TP-19-16.0	1/19/02 10:00	X	X									S	1		-02
3 TP-20-30.0	1/19/02 11:00	X	X									S	1		-03
4 TP-21-14.0	1/19/02 13:30	X	X									S	1		-04
5 TP-22-12.0	1/19/02 14:00	X	X									S	1		-05
6															
7															
8															
9															
10															

RELEASED BY: TFS

DATE: 1/24/02

RECEIVED BY: Tom Clanton

DATE: 1/20/02

PRINT NAME: John Tindora

FROM: K/S

TIME: 16:01

PRINT NAME: Blank Ship

FROM: NCA

TIME: 16:01

RELEASED BY:

DATE:

RECEIVED BY:

DATE:

PRINT NAME:

FROM:

TIME:

PRINT NAME:

FROM:

TIME:

ADDITIONAL REMARKS:

COC REV 09/04

01/26/1730 94 w/o PAGE OF

April 09, 2007

Ross Dunning
Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

RE: BNSF-Harborview Park

Enclosed are the results of analyses for samples received by the laboratory on 03/28/07 09:15.
The following list is a summary of the Work Orders contained in this report, generated on 04/09/07 15:01.

If you have any questions concerning this report, please feel free to contact me.

<u>Work Order</u>	<u>Project</u>	<u>ProjectNumber</u>
BQC0649	BNSF-Harborview Park	0496017.01

TestAmerica - Seattle, WA

Kate Haney

Kate Haney, Project Manager

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Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project Name: **BNSF-Harborview Park**

Project Number: **0496017.01**

Project Manager: **Ross Dunning**

Report Created:

04/09/07 15:01

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
N Road-1-17	BQC0649-01	Soil	03/26/07 08:00	03/28/07 09:15
S Road-2-15	BQC0649-02	Soil	03/26/07 11:30	03/28/07 09:15
M-1-6	BQC0649-03	Soil	03/26/07 13:30	03/28/07 09:15
E-1-15	BQC0649-06	Soil	03/27/07 10:10	03/28/07 09:15
F-1-18	BQC0649-07	Soil	03/27/07 10:30	03/28/07 09:15
G-1-15	BQC0649-08	Soil	03/27/07 10:50	03/28/07 09:15
H-1-12	BQC0649-09	Soil	03/27/07 12:00	03/28/07 09:15
I-1-12	BQC0649-10	Soil	03/27/07 13:45	03/28/07 09:15
K-1-12	BQC0649-11	Soil	03/27/07 13:55	03/28/07 09:15
L-1-15	BQC0649-12	Soil	03/27/07 14:10	03/28/07 09:15
N-2-5	BQC0649-13	Soil	03/27/07 14:45	03/28/07 09:15
N-3-6	BQC0649-14	Soil	03/27/07 15:00	03/28/07 09:15

TestAmerica - Seattle, WA

Kate Haney

Kate Haney, Project Manager

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Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100

Federal Way, WA/USA 98001

Project Name: **BNSF-Harborview Park**

Project Number: 0496017.01

Project Manager: Ross Dunning

Report Created:

04/09/07 15:01

Analytical Case Narrative

TestAmerica - Seattle, WA

BQC0649

SAMPLE RECEIPT

The samples were received March 28th, 2007 by TestAmerica - Seattle. The temperature of the samples at the time of receipt was 5.3 degrees Celsius.

PREPARATIONS AND ANALYSIS

Semivolatile Petroleum Products by NWTPH-Dx with Acid/Silica Gel Clean-up: No additional anomalies, discrepancies, or issues were associated with sample preparation, analysis and quality control other than those already qualified in the data and described in the Notes and Definitions page at the end of the report.

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM: No additional anomalies, discrepancies, or issues were associated with sample preparation, analysis and quality control other than those already qualified in the data and described in the Notes and Definitions page at the end of the report.

TestAmerica - Seattle, WA



Kate Haney, Project Manager

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Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project Name: **BNSF-Harborview Park**

Project Number: **0496017.01**

Project Manager: **Ross Dunning**

Report Created:

04/09/07 15:01

Semivolatile Petroleum Products by NWTPH-Dx with Acid/Silica Gel Clean-up

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQC0649-01 (N Road-1-17)		Soil						Sampled: 03/26/07 08:00		
Diesel Range Hydrocarbons	NWTPH-Dx	ND	----	11.4	mg/kg dry	1x	7C30033	03/30/07 13:45	03/31/07 08:02	
Lube Oil Range Hydrocarbons	"	ND	----	28.5	"	"	"	"	"	
Surrogate(s): 2-FBP		81.1%		54 - 148 %	"				"	
Octacosane		98.9%		62 - 142 %	"				"	
BQC0649-02 (S Road-2-15)		Soil						Sampled: 03/26/07 11:30		
Diesel Range Hydrocarbons	NWTPH-Dx	ND	----	10.8	mg/kg dry	1x	7C30033	03/30/07 13:45	03/31/07 08:31	
Lube Oil Range Hydrocarbons	"	ND	----	27.1	"	"	"	"	"	
Surrogate(s): 2-FBP		88.0%		54 - 148 %	"				"	
Octacosane		106%		61 - 141 %	"				"	
BQC0649-03 (M-t-6)		Soil						Sampled: 03/26/07 13:30		
Diesel Range Hydrocarbons	NWTPH-Dx	ND	----	10.9	mg/kg dry	1x	7C30033	03/30/07 13:45	03/31/07 09:00	
Lube Oil Range Hydrocarbons	"	ND	----	27.3	"	"	"	"	"	
Surrogate(s): 2-FBP		81.3%		54 - 148 %	"				"	
Octacosane		96.6%		62 - 142 %	"				"	
BQC0649-06 (E-1-15)		Soil						Sampled: 03/27/07 10:10		
Diesel Range Hydrocarbons	NWTPH-Dx	ND	----	11.5	mg/kg dry	1x	7C30033	03/30/07 13:45	03/31/07 10:57	
Lube Oil Range Hydrocarbons	"	ND	----	28.8	"	"	"	"	"	
Surrogate(s): 2-FBP		81.9%		54 - 148 %	"				"	
Octacosane		105%		62 - 142 %	"				"	
BQC0649-07 (F-1-18)		Soil						Sampled: 03/27/07 10:30		
Diesel Range Hydrocarbons	NWTPH-Dx	ND	----	10.8	mg/kg dry	1x	7C30033	03/30/07 13:45	03/31/07 11:26	
Lube Oil Range Hydrocarbons	"	ND	----	27.1	"	"	"	"	"	
Surrogate(s): 2-FBP		79.0%		54 - 148 %	"				"	
Octacosane		97.1%		62 - 142 %	"				"	
BQC0649-08 (G-1-15)		Soil						Sampled: 03/27/07 10:50		
Diesel Range Hydrocarbons	NWTPH-Dx	ND	----	10.6	mg/kg dry	1x	7C30033	03/30/07 13:45	03/31/07 11:56	
Lube Oil Range Hydrocarbons	"	ND	----	26.6	"	"	"	"	"	
Surrogate(s): 2-FBP		80.5%		54 - 148 %	"				"	
Octacosane		95.5%		62 - 141 %	"				"	

TestAmerica - Seattle, WA

Kate Haney

Kate Haney, Project Manager

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Kennedy/Jenks Consultants	Project Name: BNSF-Harborview Park	Report Created:
32001 32nd Ave S Ste 100	Project Number: 0496017.01	04/09/07 15:01
Federal Way, WA/USA 98001	Project Manager: Ross Dunning	

Semivolatile Petroleum Products by NWTPH-Dx with Acid/Silica Gel Clean-up
 TestAmerica - Seattle, WA

Analyte	Method	Result	MOL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQC0649-09 (H-1-12)		Soil							Sampled: 03/27/07 12:00	
Diesel Range Hydrocarbons	NWTPH-Dx	ND	----	10.7	mg/kg dry	1x	7C30033	03/30/07 13:45	03/31/07 12:26	
Lube Oil Range Hydrocarbons	"	ND	----	26.7	"	"	"	"	"	
Surrogate(s): 2-FBP		74.6%		54 - 148 %	"				"	
Octacosane		94.4%		62 - 142 %	"				"	
BQC0649-10 (I-1-12)		Soil							Sampled: 03/27/07 13:45	
Diesel Range Hydrocarbons	NWTPH-Dx	36.3	---	10.9	mg/kg dry	1x	7C30033	03/30/07 13:45	03/31/07 12:55	Q6
Lube Oil Range Hydrocarbons	"	68.0	----	27.2	"	"	"	"	"	
Surrogate(s): 2-FBP		90.1%		54 - 148 %	"				"	
Octacosane		122%		62 - 142 %	"				"	
BQC0649-11 (K-1-12)		Soil							Sampled: 03/27/07 13:55	
Diesel Range Hydrocarbons	NWTPH-Dx	ND	----	11.5	mg/kg dry	1x	7C30035	03/30/07 13:50	04/02/07 13:58	
Lube Oil Range Hydrocarbons	"	ND	----	28.7	"	"	"	"	"	
Surrogate(s): 2-FBP		76.3%		54 - 148 %	"				"	
Octacosane		96.1%		62 - 142 %	"				"	
BQC0649-12 (L-1-15)		Soil							Sampled: 03/27/07 14:10	
Diesel Range Hydrocarbons	NWTPH-Dx	ND	----	10.9	mg/kg dry	1x	7C30035	03/30/07 13:50	04/02/07 14:24	
Lube Oil Range Hydrocarbons	"	ND	----	27.2	"	"	"	"	"	
Surrogate(s): 2-FBP		86.9%		54 - 148 %	"				"	
Octacosane		102%		62 - 142 %	"				"	
BQC0649-13 (N-2-5)		Soil							Sampled: 03/27/07 14:45	
Diesel Range Hydrocarbons	NWTPH-Dx	ND	---	10.7	mg/kg dry	1x	7C30035	03/30/07 13:50	04/02/07 14:51	
Lube Oil Range Hydrocarbons	"	ND	----	26.7	"	"	"	"	"	
Surrogate(s): 2-FBP		86.6%		54 - 148 %	"				"	
Octacosane		104%		62 - 142 %	"				"	
BQC0649-14 (N-3-6)		Soil							Sampled: 03/27/07 15:00	
Diesel Range Hydrocarbons	NWTPH-Dx	160	---	11.0	mg/kg dry	1x	7C30035	03/30/07 13:50	04/02/07 15:17	Q4
Lube Oil Range Hydrocarbons	"	273	---	27.5	"	"	"	"	"	Q4
Surrogate(s): 2-FBP		79.0%		54 - 148 %	"				"	
Octacosane		139%		62 - 142 %	"				"	

TestAmerica - Seattle, WA

Kate Hancy

Kate Hancy, Project Manager

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Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project Name: **BNSF-Harborview Park**

Project Number: 0496017.01

Project Manager: Ross Dunning

Report Created:

04/09/07 15:01

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Unit	Dil	Batch	Prepared	Analyzed	Notes
BQC0649-01 (N Road-1-17)		Soil		Sampled: 03/26/07 08:00						
Acenaphthene	EPA 8270-SIM	ND	—	0.0111	mg/kg dry	1x	7C28037	03/28/07 12:11	04/05/07 00:10	
Acenaphthylene	"	ND	—	0.0111	"	"	"	"	"	
Anthracene	"	ND	—	0.0111	"	"	"	"	"	
Benzo (a) anthracene	"	ND	—	0.0111	"	"	"	"	"	
Benzo (a) pyrene	"	ND	—	0.0111	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	—	0.0111	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	—	0.0111	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	—	0.0111	"	"	"	"	"	
Chrysene	"	ND	—	0.0111	"	"	"	"	"	
Dibenz (a,h) anthracene	"	ND	—	0.0111	"	"	"	"	"	
Fluoranthene	"	ND	—	0.0111	"	"	"	"	"	
Fluorene	"	ND	—	0.0111	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	—	0.0111	"	"	"	"	"	
1-Methylnaphthalene	"	ND	—	0.0111	"	"	"	"	"	
2-Methylnaphthalene	"	ND	—	0.0111	"	"	"	"	"	
Naphthalene	"	ND	—	0.0111	"	"	"	"	"	
Phenanthrene	"	ND	—	0.0111	"	"	"	"	"	
Pyrene	"	ND	—	0.0111	"	"	"	"	"	
Surrogate(s): p-Terphenyl-d14		89.2%		50 - 147 %						

BQC0649-02 (S Road-2-15)		Soil		Sampled: 03/26/07 11:30						
Acenaphthene	EPA 8270-SIM	ND	—	0.0105	mg/kg dry	1x	7C28037	03/28/07 12:11	04/05/07 00:41	
Acenaphthylene	"	ND	—	0.0105	"	"	"	"	"	
Anthracene	"	ND	—	0.0105	"	"	"	"	"	
Benzo (a) anthracene	"	ND	—	0.0105	"	"	"	"	"	
Benzo (a) pyrene	"	ND	—	0.0105	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	—	0.0105	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	—	0.0105	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	—	0.0105	"	"	"	"	"	
Chrysene	"	ND	—	0.0105	"	"	"	"	"	
Dibenz (a,h) anthracene	"	ND	—	0.0105	"	"	"	"	"	
Fluoranthene	"	ND	—	0.0105	"	"	"	"	"	
Fluorene	"	ND	—	0.0105	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	—	0.0105	"	"	"	"	"	
1-Methylnaphthalene	"	ND	—	0.0105	"	"	"	"	"	
2-Methylnaphthalene	"	ND	—	0.0105	"	"	"	"	"	
Naphthalene	"	ND	—	0.0105	"	"	"	"	"	
Phenanthrene	"	ND	—	0.0105	"	"	"	"	"	
Pyrene	"	ND	—	0.0105	"	"	"	"	"	
Surrogate(s): p-Terphenyl-d14		88.0%		50 - 147 %						

TestAmerica - Seattle, WA

Kate Dunning

Kate Haney, Project Manager

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Kennedy/Jenks Consultants	Project Name: BNSF-Harborview Park	
32001 32nd Ave S Ste 100	Project Number: 0496017.01	Report Created:
Federal Way, WA/USA 98001	Project Manager: Ross Dunning	04/09/07 15:01

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQC0649-03 (M-1-6)		Soil								
										Sampled: 03/26/07 13:30
Acenaphthene	EPA 8270-SIM	ND	—	0.0111	mg/kg dry	1x	7C28037	03/28/07 12:11	04/05/07 01:12	
Acenaphthylene	"	ND	—	0.0111	"	"	"	"	"	
Anthracene	"	ND	—	0.0111	"	"	"	"	"	
Benzo (a) anthracene	"	ND	—	0.0111	"	"	"	"	"	
Benzo (a) pyrene	"	ND	—	0.0111	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	—	0.0111	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	—	0.0111	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	—	0.0111	"	"	"	"	"	
Chrysene	"	ND	—	0.0111	"	"	"	"	"	
Dibenz (a,h) anthracene	"	ND	—	0.0111	"	"	"	"	"	
Fluoranthene	"	ND	—	0.0111	"	"	"	"	"	
Fluorene	"	ND	—	0.0111	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	—	0.0111	"	"	"	"	"	
1-Methylnaphthalene	"	ND	—	0.0111	"	"	"	"	"	
2-Methylnaphthalene	"	ND	—	0.0111	"	"	"	"	"	
Naphthalene	"	ND	—	0.0111	"	"	"	"	"	
Phenanthrene	"	ND	—	0.0111	"	"	"	"	"	
Pyrene	"	ND	—	0.0111	"	"	"	"	"	
Surrogate(s): p-Terphenyl-d14			84.8%		50 - 147 %	"				

BQC0649-06 (E-1-15)		Soil								
										Sampled: 03/27/07 10:10
Acenaphthene	EPA 8270-SIM	ND	—	0.0117	mg/kg dry	1x	7C28037	03/28/07 12:11	04/05/07 01:12	
Acenaphthylene	"	ND	—	0.0117	"	"	"	"	"	
Anthracene	"	ND	—	0.0117	"	"	"	"	"	
Benzo (a) anthracene	"	ND	—	0.0117	"	"	"	"	"	
Benzo (a) pyrene	"	ND	—	0.0117	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	—	0.0117	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	—	0.0117	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	—	0.0117	"	"	"	"	"	
Chrysene	"	ND	—	0.0117	"	"	"	"	"	
Dibenz (a,h) anthracene	"	ND	—	0.0117	"	"	"	"	"	
Fluoranthene	"	ND	—	0.0117	"	"	"	"	"	
Fluorene	"	ND	—	0.0117	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	—	0.0117	"	"	"	"	"	
1-Methylnaphthalene	"	ND	—	0.0117	"	"	"	"	"	
2-Methylnaphthalene	"	ND	—	0.0117	"	"	"	"	"	
Naphthalene	"	ND	—	0.0117	"	"	"	"	"	
Phenanthrene	"	ND	—	0.0117	"	"	"	"	"	
Pyrene	"	ND	—	0.0117	"	"	"	"	"	
Surrogate(s): p-Terphenyl-d14			85.6%		50 - 147 %	"				

TestAmerica - Seattle, WA

Kate Dunning

Kate Dunning, Project Manager

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Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project Name: **BNSF-Harborview Park**

Project Number: **0496017.01**

Project Manager: **Ross Dunning**

Report Created:

04/09/07 15:01

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQC0649-07 (F-1-18)		Soil		Sampled: 03/27/07 10:30						
Acenaphthene	EPA 8270-SIM	ND	-----	0.0107	mg/kg dry	1x	7C28037	03/28/07 12:11	04/05/07 19:59	
Acenaphthylene	"	0.0163	-----	0.0107	"	"	"	"	"	
Anthracene	"	0.265	-----	0.0107	"	"	"	"	"	
Benzo (a) anthracene	"	0.0185	-----	0.0107	"	"	"	"	"	
Benzo (a) pyrene	"	0.0577	-----	0.0107	"	"	"	"	"	
Benzo (b) fluoranthene	"	0.0496	-----	0.0107	"	"	"	"	"	
Benzo (k) fluoranthene	"	0.0252	-----	0.0107	"	"	"	"	"	
Benzo (ghi) perylene	"	0.0235	-----	0.0107	"	"	"	"	"	
Chrycene	"	0.0829	-----	0.0107	"	"	"	"	"	
Dibenz (a,h) anthracene	"	0.0339	-----	0.0107	"	"	"	"	"	
Fluoranthene	"	0.0445	-----	0.0107	"	"	"	"	"	
Fluorene	"	0.0245	-----	0.0107	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	0.0434	-----	0.0107	"	"	"	"	"	
1-Methylnaphthalene	"	ND	-----	0.0107	"	"	"	"	"	
2-Methylnaphthalene	"	ND	-----	0.0107	"	"	"	"	"	
Naphthalene	"	0.0130	-----	0.0107	"	"	"	"	"	
Phenanthrene	"	0.0245	-----	0.0107	"	"	"	"	"	
Pyrene	"	0.0397	-----	0.0107	"	"	"	"	"	
Surrogate(s): p-Terphenyl-d14		77.5%		50 - 147 %						

BQC0649-08 (G-1-15)		Soil		Sampled: 03/27/07 10:50						
Acenaphthene	EPA 8270-SIM	ND	-----	0.0108	mg/kg dry	1x	7C28037	03/28/07 12:11	04/04/07 23:39	
Acenaphthylene	"	ND	-----	0.0108	"	"	"	"	"	
Anthracene	"	0.0267	-----	0.0108	"	"	"	"	"	
Benzo (a) anthracene	"	ND	-----	0.0108	"	"	"	"	"	
Benzo (a) pyrene	"	0.0249	-----	0.0108	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	-----	0.0108	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	-----	0.0108	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	-----	0.0108	"	"	"	"	"	
Chrysene	"	ND	-----	0.0108	"	"	"	"	"	
Dibenz (a,h) anthracene	"	0.0267	-----	0.0108	"	"	"	"	"	
Fluoranthene	"	0.0122	-----	0.0108	"	"	"	"	"	
Fluorene	"	ND	-----	0.0108	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	0.0264	-----	0.0108	"	"	"	"	"	
1-Methylnaphthalene	"	ND	-----	0.0108	"	"	"	"	"	
2-Methylnaphthalene	"	ND	-----	0.0108	"	"	"	"	"	
Naphthalene	"	ND	-----	0.0108	"	"	"	"	"	
Phenanthrene	"	ND	-----	0.0108	"	"	"	"	"	
Pyrene	"	ND	-----	0.0108	"	"	"	"	"	
Surrogate(s): p-Terphenyl-d14		87.8%		50 - 147 %						

TestAmerica - Seattle, WA

Kate Dunning

Kate Haney, Project Manager

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Kennedy/Jenks Consultants	Project Name: BNSF-Harborview Park	
32001 32nd Ave S Ste 100	Project Number: 0496017.01	Report Created:
Federal Way, WA/USA 98001	Project Manager: Ross Dunning	04/09/07 15:01

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM
 TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Oil	Batch	Prepared	Analyzed	Notes
BQC0649-09 (H-1-12)		Soil						Sampled: 03/27/07 12:00		
Acenaphthene	EPA 8270-SIM	ND	----	0.0104	mg/kg dry	tx	7C28037	03/28/07 12:11	04/05/07 02:13	
Acenaphthylene	"	ND	----	0.0104	"	"	"	"	"	
Anthracene	"	ND	----	0.0104	"	"	"	"	"	
Benzo (a) anthracene	"	ND	----	0.0104	"	"	"	"	"	
Benzo (a) pyrene	"	ND	----	0.0104	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	----	0.0104	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	----	0.0104	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	----	0.0104	"	"	"	"	"	
Chrysene	"	ND	----	0.0104	"	"	"	"	"	
Dibenz (a,h) anthracene	"	ND	----	0.0104	"	"	"	"	"	
Fluoranthene	"	ND	----	0.0104	"	"	"	"	"	
Fluorene	"	ND	----	0.0104	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	----	0.0104	"	"	"	"	"	
1-Methylnaphthalene	"	ND	----	0.0104	"	"	"	"	"	
2-Methylnaphthalene	"	ND	----	0.0104	"	"	"	"	"	
Naphthalene	"	ND	----	0.0104	"	"	"	"	"	
Phenanthrene	"	ND	----	0.0104	"	"	"	"	"	
Pyrene	"	ND	----	0.0104	"	"	"	"	"	
Surrogate(s): p-Terphenyl-d14		84.4%		50 - 147 %	"					

BQC0649-t0 (I-1-I2)		Soil						Sampled: 03/27/07 13:45		
Acenaphthene	EPA 8270-SIM	ND	----	0.0112	mg/kg dry	tx	7C28037	03/28/07 12:11	04/05/07 20:29	
Acenaphthylene	"	ND	----	0.0112	"	"	"	"	"	
Anthracene	"	ND	----	0.0112	"	"	"	"	"	
Benzo (a) anthracene	"	0.0162	----	0.0112	"	"	"	"	"	
Benzo (a) pyrene	"	0.0366	----	0.0112	"	"	"	"	"	
Benzo (b) fluoranthene	"	0.0154	----	0.0112	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	----	0.0112	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	----	0.0112	"	"	"	"	"	
Chrysene	"	0.0480	----	0.0112	"	"	"	"	"	
Dibenz (a,h) anthracene	"	0.0304	----	0.0112	"	"	"	"	"	
Fluoranthene	"	0.145	----	0.0112	"	"	"	"	"	
Fluorene	"	ND	----	0.0112	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	0.0300	----	0.0112	"	"	"	"	"	
1-Methylnaphthalene	"	ND	----	0.0112	"	"	"	"	"	
2-Methylnaphthalene	"	ND	----	0.0112	"	"	"	"	"	
Naphthalene	"	ND	----	0.0112	"	"	"	"	"	
Phenanthrene	"	ND	----	0.0112	"	"	"	"	"	
Pyrene	"	0.168	----	0.0112	"	"	"	"	"	
Surrogate(s): p-Terphenyl-d14		79.6%		50 - 147 %	"					

TestAmerica - Seattle, WA

Kate Dunning

Kate Haney, Project Manager

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Kennedy/Jenks Consultants	Project Name: BNSF-Harborview Park	
32001 32nd Ave S Ste 100	Project Number: 0496017.01	Report Created:
Federal Way, WA/USA 98001	Project Manager: Ross Dunning	04/09/07 15:01

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM
 TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQC0649-11 (K-1-12)		Soil		Sampled: 03/27/07 13:55						
Acenaphthene	EPA 8270-SIM1	ND	—	0.0114	mg/kg dry	1x	7C28037	03/28/07 12:11	04/05/07 02:44	
Acenaphthylene	"	ND	—	0.0114	"	"	"	"	"	
Anthracene	"	ND	—	0.0114	"	"	"	"	"	
Benzo (a) anthracene	"	ND	—	0.0114	"	"	"	"	"	
Benzo (a) pyrene	"	ND	—	0.0114	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	—	0.0114	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	—	0.0114	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	—	0.0114	"	"	"	"	"	
Chrysene	"	ND	—	0.0114	"	"	"	"	"	
Dibenz (a,h) anthracene	"	ND	—	0.0114	"	"	"	"	"	
Fluoranthene	"	ND	—	0.0114	"	"	"	"	"	
Fluorene	"	ND	—	0.0114	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	—	0.0114	"	"	"	"	"	
1-Methylnaphthalene	"	ND	—	0.0114	"	"	"	"	"	
2-Methylnaphthalene	"	ND	—	0.0114	"	"	"	"	"	
Naphthalene	"	ND	—	0.0114	"	"	"	"	"	
Phenanthrene	"	ND	—	0.0114	"	"	"	"	"	
Pyrene	"	ND	—	0.0114	"	"	"	"	"	
<i>Surrogate(s): p-Terphenyl-d14</i>			85.2%		50 - 147 %	"				

BQC0649-12 (L-1-15)		Soil		Sampled: 03/27/07 14:10						
Acenaphthene	EPA 8270-SIM1	ND	—	0.0106	mg/kg dry	1x	7C28037	03/28/07 12:11	04/05/07 03:15	
Acenaphthylene	"	ND	—	0.0106	"	"	"	"	"	
Anthracene	"	ND	—	0.0106	"	"	"	"	"	
Benzo (a) anthracene	"	ND	—	0.0106	"	"	"	"	"	
Benzo (a) pyrene	"	ND	—	0.0106	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	—	0.0106	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	—	0.0106	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	—	0.0106	"	"	"	"	"	
Chrysene	"	ND	—	0.0106	"	"	"	"	"	
Dibenz (a,h) anthracene	"	ND	—	0.0106	"	"	"	"	"	
Fluoranthene	"	ND	—	0.0106	"	"	"	"	"	
Fluorene	"	ND	—	0.0106	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	—	0.0106	"	"	"	"	"	
1-Methylnaphthalene	"	ND	—	0.0106	"	"	"	"	"	
2-Methylnaphthalene	"	ND	—	0.0106	"	"	"	"	"	
Naphthalene	"	ND	—	0.0106	"	"	"	"	"	
Phenanthrene	"	ND	—	0.0106	"	"	"	"	"	
Pyrene	"	ND	—	0.0106	"	"	"	"	"	
<i>Surrogate(s): p-Terphenyl-d14</i>			89.3%		50 - 147 %	"				

TestAmerica - Seattle, WA

Kate Haney

Kate Haney, Project Manager

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Kennedy/Jenks Consultants	Project Name: BNSF-Harborview Park	
32001 32nd Ave S Ste 100	Project Number: 0496017.01	Report Created:
Federal Way, WA/USA 98001	Project Manager: Ross Dunning	04/09/07 15:01

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQC0649-13 (N-2-5)		Soil						Sampled: 03/27/07 14:45		
Acenaphthene	EPA 8270-SIM	ND	-----	0.0108	mg/kg dry	1x	7C28037	03/28/07 12:11	04/05/07 03:46	
Acenaphthylene	"	ND	-----	0.0108	"	"	"	"	"	
Anthracene	"	ND	-----	0.0108	"	"	"	"	"	
Benzo (a) anthracene	"	ND	-----	0.0108	"	"	"	"	"	
Benzo (a) pyrene	"	ND	-----	0.0108	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	-----	0.0108	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	-----	0.0108	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	-----	0.0108	"	"	"	"	"	
Chrysene	"	ND	-----	0.0108	"	"	"	"	"	
Dibenz (a,h) anthracene	"	ND	-----	0.0108	"	"	"	"	"	
Fluoranthene	"	ND	-----	0.0108	"	"	"	"	"	
Fluorene	"	ND	-----	0.0108	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	-----	0.0108	"	"	"	"	"	
1-Methylnaphthalene	"	ND	-----	0.0108	"	"	"	"	"	
2-Methylnaphthalene	"	ND	-----	0.0108	"	"	"	"	"	
Naphthalene	"	ND	-----	0.0108	"	"	"	"	"	
Phenanthrene	"	ND	-----	0.0108	"	"	"	"	"	
Pyrene	"	ND	-----	0.0108	"	"	"	"	"	
Surrogate(s): p-Terphenyl-d14		86.7%		50 - 147 %	"					

BQC0649-14 (N-3-6)		Soil						Sampled: 03/27/07 15:00		RLt
Acenaphthene	EPA 8270-SIM	ND	-----	0.0219	mg/kg dry	2x	7C28037	03/28/07 12:11	04/01/07 21:01	
Acenaphthylene	"	ND	-----	0.0219	"	"	"	"	"	
Anthracene	"	ND	-----	0.0219	"	"	"	"	"	
Benzo (a) anthracene	"	ND	-----	0.0219	"	"	"	"	"	
Benzo (a) pyrene	"	ND	-----	0.0219	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	-----	0.0219	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	-----	0.0219	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	-----	0.0219	"	"	"	"	"	
Chrysene	"	ND	-----	0.0219	"	"	"	"	"	
Dibenz (a,h) anthracene	"	ND	-----	0.0219	"	"	"	"	"	
Fluoranthene	"	ND	-----	0.0219	"	"	"	"	"	
Fluorene	"	ND	-----	0.0219	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	-----	0.0219	"	"	"	"	"	
1-Methylnaphthalene	"	ND	-----	0.0219	"	"	"	"	"	
2-Methylnaphthalene	"	ND	-----	0.0219	"	"	"	"	"	
Naphthalene	"	ND	-----	0.0219	"	"	"	"	"	
Phenanthrene	"	ND	-----	0.0219	"	"	"	"	"	
Pyrene	"	ND	-----	0.0219	"	"	"	"	"	
Surrogate(s): p-Terphenyl-d14		86.9%		50 - 147 %	"					

TestAmerica - Seattle, WA

Kate Dunning

Kate Haney, Project Manager

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Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project Name: **BNSF-Harborview Park**

Project Number: **0496017.01**

Project Manager: **Ross Dunning**

Report Created:

04/09/07 15:01

Physical Parameters by APHA/ASTM/EPA Methods

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQC0649-01	(N Road-1-17)	Soil						Sampled: 03/26/07 08:00		
Dry Weight	BSOPSP1003R0 8	88.8	----	1.00	%	1x	7C28063	03/28/07 16:54	03/29/07 00:00	
BQC0649-02	(S Road-2-15)	Soil						Sampled: 03/26/07 11:30		
Dry Weight	BSOPSP1003R0 8	93.9	----	1.00	%	1x	7C28063	03/28/07 16:54	03/29/07 00:00	
BQC0649-03	(M-1-6)	Soil						Sampled: 03/26/07 13:30		
Dry Weight	BSOPSP1003R0 8	91.4	----	1.00	%	1x	7C28063	03/28/07 16:54	03/29/07 00:00	
BQC0649-06	(E-1-15)	Soil						Sampled: 03/27/07 10:10		
Dry Weight	BSOPSP1003R0 8	85.8	----	1.00	%	1x	7C28063	03/28/07 16:54	03/29/07 00:00	
BQC0649-07	(F-1-18)	Soil						Sampled: 03/27/07 10:30		
Dry Weight	BSOPSP1003R0 8	92.7	----	1.00	%	1x	7C28063	03/28/07 16:54	03/29/07 00:00	
BQC0649-08	(G-1-15)	Soil						Sampled: 03/27/07 10:50		
Dry Weight	BSOPSP1003R0 8	93.8	----	1.00	%	1x	7C28063	03/28/07 16:54	03/29/07 00:00	
BQC0649-09	(H-1-12)	Soil						Sampled: 03/27/07 12:00		
Dry Weight	BSOPSP1003R0 8	95.0	----	1.00	%	1x	7C28048	03/28/07 15:26	03/29/07 00:00	
BQC0649-10	(I-1-12)	Soil						Sampled: 03/27/07 13:45		
Dry Weight	BSOPSP1003R0 8	90.4	----	1.00	%	1x	7C28048	03/28/07 15:26	03/29/07 00:00	
BQC0649-11	(K-1-12)	Soil						Sampled: 03/27/07 13:55		
Dry Weight	BSOPSP1003R0 8	87.7	----	1.00	%	1x	7C28048	03/28/07 15:26	03/29/07 00:00	
BQC0649-12	(L-1-15)	Soil						Sampled: 03/27/07 14:10		
Dry Weight	BSOPSP1003R0 8	92.8	----	1.00	%	1x	7C28048	03/28/07 15:26	03/29/07 00:00	
BQC0649-13	(N-2-5)	Soil						Sampled: 03/27/07 14:45		

TestAmerica - Seattle, WA

Kate Haney

Kate Haney, Project Manager

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Kennedy/Jenks Consultants	Project Name: BNSF-Harborview Park	
32001 32nd Ave S Ste 100	Project Number: 0496017.01	Report Created:
Federal Way, WA/USA 98001	Project Manager: Ross Dunning	04/09/07 15:01

Physical Parameters by APHA/ASTM/EPA Methods
 TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQC0649-13 (N-2-5)		Soil						Sampled: 03/27/07 14:45		
Dry Weight	BSOP\$PL003R0 8	92.9	---	1.00	%	1x	7C28048	03/28/07 15:26	03/29/07 00:00	
BQC0649-14 (N-3-6)		Soil						Sampled: 03/27/07 15:00		
Dry Weight	BSOP\$PL003R0 8	92.2	---	1.00	%	1x	7C28048	03/28/07 15:26	03/29/07 00:00	

TestAmerica - Seattle, WA

Kate Haney

Kate Haney, Project Manager

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Kennedy/Jenks Consultants	Project Name: BNSF-Harborview Park	
32001 32nd Ave S Ste 100	Project Number: 0496017.01	Report Created:
Federal Way, WA/USA 98001	Project Manager: Ross Dunning	04/09/07 15:01

Semivolatle Petroleum Products by NWTPH-Dx with Acid/Silica Gel Clean-up - Laboratory Quality Control Results
TestAmerica - Seattle, WA

QC Batch: 7C30033 Soil Preparation Method: EPA 3550B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes

Blank (7C30033-BLK1)

Extracted: 03/30/07 13:45

Diesel Range Hydrocarbons	NWTPH-Dx	ND	---	10.0	mg/kg wet	1x	--	--	--	--	--	--	03/30/07 22:13	
Lube Oil Range Hydrocarbons	"	ND	---	25.0	"	"	--	--	--	--	--	--	"	
Surrogate(s): 2-FBP		Recovery: 85.0%		Limits: 54-148%	"								03/30/07 22:13	
Octacosane		98.8%		62-142%	"								"	

LCS (7C30033-BS1)

Extracted: 03/30/07 13:45

Diesel Range Hydrocarbons	NWTPH-Dx	67.1	---	10.0	mg/kg wet	1x	--	66.7	101%	(78-129)	--	--	03/30/07 22:43	
Surrogate(s): 2-FBP		Recovery: 93.8%		Limits: 54-148%	"								03/30/07 22:43	
Octacosane		95.9%		62-142%	"								"	

Duplicate (7C30033-DUP1)

QC Source: BQC0649-06

Extracted: 03/30/07 13:45

Diesel Range Hydrocarbons	NWTPH-Dx	ND	---	11.7	mg/kg dry	1x	ND	--	--	--	NR (50)		03/31/07 23:12	
Lube Oil Range Hydrocarbons	"	ND	---	29.1	"	"	ND	--	--	--	13.2%	"	"	R4
Surrogate(s): 2-FBP		Recovery: 87.8%		Limits: 54-148%	"								03/31/07 23:12	
Octacosane		99.8%		62-142%	"								"	

Duplicate (7C30033-DUP2)

QC Source: BQC0534-11

Extracted: 03/30/07 13:45

Diesel Range Hydrocarbons	NWTPH-Dx	3530	---	120	mg/kg dry	10x	2280	--	--	--	43.0% (50)		03/31/07 23:42	
Lube Oil Range Hydrocarbons	"	506	---	301	"	"	363	--	--	--	32.9%	"	"	
Surrogate(s): 2-FBP		Recovery: 133%		Limits: 54-148%	"								03/31/07 23:42	
Octacosane		93.9%		62-142%	"								"	

Matrix Spike (7C30033-MS1)

QC Source: BQC0649-06

Extracted: 03/30/07 13:45

Diesel Range Hydrocarbons	NWTPH-Dx	82.8	---	11.8	mg/kg dry	1x	ND	78.5	105%	(46-155)	--	--	03/31/07 00:12	
Surrogate(s): 2-FBP		Recovery: 95.4%		Limits: 54-148%	"								03/31/07 00:12	
Octacosane		101%		62-142%	"								"	

TestAmerica - Seattle, WA

Kate Honey

Kate Honey, Project Manager

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Kennedy/Jenks Consultants	Project Name: BNSF-Harborview Park	
32001 32nd Ave S Ste 100	Project Number: 0496017.01	Report Created:
Federal Way, WA/USA 98001	Project Manager: Ross Dunning	04/09/07 15:01

Semivolatile Petroleum Products by NWTPH-Dx with Acid/Silica Gel Clean-up - Laboratory Quality Control Results
 TestAmerica - Seattle, WA

QC Batch: 7C30035	Soil Preparation Method: EPA 3550B

Analyte	Method	Result	NDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes

Blank (7C30035-BLKt)										Extracted: 03/30/07 13:50				
Diesel Range Hydrocarbons	NWTPH-Dx	ND	---	10.0	mg/kg wet	1x	--	--	--	--	--	--	04/02/07 12:12	
Lube Oil Range Hydrocarbons	"	ND	---	25.0	"	"	--	--	--	--	--	--	"	
Surrogate(s): 2-FBP		Recovery: 81.8%		Limits: 54-148%										04/01/07 12:12
Octacosane		99.4%		61-141%										"

LCS (7C30035-BSt)										Extracted: 03/30/07 13:50				
Diesel Range Hydrocarbons	NWTPH-Dx	65.8	---	10.0	mg/kg wet	1x	--	66.7	98.7%	(78-129)	--	--	04/02/07 12:39	
Surrogate(s): 2-FBP		Recovery: 104%		Limits: 54-148%										04/02/07 12:39
Octacosane		109%		62-142%										"

Duplicate (7C30035-DUpt)										QC Source: BQC0649-12				
										Extracted: 03/30/07 13:50				
Diesel Range Hydrocarbons	NWTPH-Dx	ND	---	10.7	mg/kg dry	1x	ND	--	--	--	17.6%	(50)	04/02/07 13:05	
Lube Oil Range Hydrocarbons	"	ND	---	26.7	"	"	ND	--	--	--	14.7%	"	"	
Surrogate(s): 2-FBP		Recovery: 85.0%		Limits: 54-148%										04/02/07 17:05
Octacosane		101%		62-142%										"

Matrix Spike (7C30035-MSt)										QC Source: BQC0649-12				
										Extracted: 03/30/07 13:50				
Diesel Range Hydrocarbons	NWTPH-Dx	76.1	---	10.6	mg/kg dry	1x	3.73	70.9	102%	(46-155)	--	--	04/02/07 13:31	
Surrogate(s): 2-FBP		Recovery: 108%		Limits: 54-148%										04/02/07 13:31
Octacosane		114%		62-142%										"

TestAmerica - Seattle, WA

Kate Dunning

Kate Dunning, Project Manager

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Kennedy/Jenks Consultants	Project Name: BNSF-Harborview Park	Report Created:
32001 32nd Ave S Ste 100	Project Number: 0496017.01	04/09/07 15:01
Federal Way, WA/USA 98001	Project Manager: Ross Dunning	

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM - Laboratory Quality Control Results
TestAmerica - Seattle, WA

QC Batch: 7C28037	Soil Preparation Method: EPA 3550B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7C28037-BLK2)										Extracted: 03/28/07 12:11				
Acenaphthene	EPA 8270-SIM	ND	---	0.0100	mg/kg wet	1x	--	--	--	--	--	--	04/04/07 20:03	
Acenaphthylene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Anthracene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Benzo (a) anthracene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Benzo (a) pyrene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Benzo (b) fluoranthene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Benzo (k) fluoranthene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Benzo (ghi) perylene	"	NO	---	0.0100	"	"	--	--	--	--	--	--	"	
Chrysene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Dibenz (a,h) anthracene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Fluoranthene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Fluorene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Indeno (1,2,3-cd) pyrene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
1-Methylnaphthalene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
2-Methylnaphthalene	"	NO	---	0.0100	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Phenanthrene	"	NO	---	0.0100	"	"	--	--	--	--	--	--	"	
Pyrene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Surrogate(s): p-Terphenyl-d14		Recovery: 82.6%	Limits: 50-147%										04/04/07 20:03	

LCS (7C28037-BS2)										Extracted: 03/28/07 12:11				
Acenaphthene	EPA 8270-SIM1	0.613	---	0.0100	mg/kg wet	1x	--	0.667	91.9%	(70-125)	--	--	04/04/07 22:07	
Acenaphthylene	"	0.633	---	0.0100	"	"	--	"	94.9%	(70-133)	--	--	"	
Anthracene	"	0.670	---	0.0100	"	"	--	"	100%	(70-152)	--	--	"	
Benzo (a) anthracene	"	0.570	---	0.0100	"	"	--	"	85.5%	(60-125)	--	--	"	
Benzo (a) pyrene	"	0.565	---	0.0100	"	"	--	"	84.7%	(64-134)	--	--	"	
Benzo (b) fluoranthene	"	0.653	---	0.0100	"	"	--	"	97.9%	(62-147)	--	--	"	
Benzo (k) fluoranthene	"	0.617	---	0.0100	"	"	--	"	92.5%	(60-144)	--	--	"	
Benzo (ghi) perylene	"	0.630	---	0.0100	"	"	--	"	94.5%	(57-137)	--	--	"	
Chrysene	"	0.638	---	0.0100	"	"	--	"	95.7%	(70-139)	--	--	"	
Dibenz (a,h) anthracene	"	0.531	---	0.0100	"	"	--	"	79.6%	(56-140)	--	--	"	
Fluoranthene	"	0.690	---	0.0100	"	"	--	"	103%	(70-141)	--	--	"	
Fluorene	"	0.632	---	0.0100	"	"	--	"	94.8%	(76-132)	--	--	"	
Indeno (1,2,3-cd) pyrene	"	0.521	---	0.0100	"	"	--	"	78.1%	(55-138)	--	--	"	
1-Methylnaphthalene	"	0.467	---	0.0100	"	"	--	"	70.0%	(46-128)	--	--	"	
2-Methylnaphthalene	"	0.461	---	0.0100	"	"	--	"	69.1%	(41-125)	--	--	"	
Naphthalene	"	0.435	---	0.0100	"	"	--	"	65.2%	(43-125)	--	--	"	
Phenanthrene	"	0.591	---	0.0100	"	"	--	"	88.6%	(73-125)	--	--	"	

TestAmerica - Seattle, WA

Kate Dunning

Kate Haney, Project Manager

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Kennedy/Jenks Consultants	Project Name: BNSF-Harborview Park	
3200 (32nd Ave S Ste 100	Project Number: 0496017.01	Report Created:
Federal Way, WA/USA 98001	Project Manager: Ross Dunning	04/09/07 15:01

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM - Laboratory Quality Control Results
TestAmerica - Seattle, WA

QC Batch: 7C28037	Soil Preparation Method: EPA 3550B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes

LCS (7C28037-BS2)										Extracted: 03/28/07 12:11				
Pyrene	EPA 8270-SIM	0.645	---	0.0100	mg/kg wet	1x	--	0.667	96.7%	(68-140)	--	--	04/04/07 22:07	
Surrogate(s): p-Terphenyl-d14		Recovery: 79.0%		Limits: 50-147%		"		"		04/04/07 21:07				

Matrix Spike (7C28037-MS2)										QC Source: BQC0649-08				
										Extracted: 03/28/07 12:11				
Acenaphthene	EPA 8270-SIM1	0.664	---	0.0108	mg/kg dry	1x	0.00324	0.720	91.8%	(67-132)	--	--	04/04/07 22:38	
Acenaphthylene	"	0.685	---	0.0108	"	"	0.00382	"	94.6%	(65-142)	--	--	"	
Anthracene	"	0.733	---	0.0108	"	"	0.0267	"	98.1%	(66-158)	--	--	"	
Benzo (a) anthracene	"	0.614	---	0.0108	"	"	0.00295	"	84.9%	(41-156)	--	--	"	
Benzo (a) pyrene	"	0.608	---	0.0108	"	"	0.0249	"	81.0%	(52-148)	--	--	"	
Benzo (b) fluoranthene	"	0.673	---	0.0108	"	"	0.00533	"	92.7%	(53-151)	--	--	"	
Benzo (k) fluoranthene	"	0.678	---	0.0108	"	"	0.00274	"	93.8%	(46-161)	--	--	"	
Benzo (ghi) perylene	"	0.671	---	0.0108	"	"	0.00166	"	93.0%	(26-154)	--	--	"	
Chrysene	"	0.695	---	0.0108	"	"	0.00692	"	95.6%	(55-155)	--	--	"	
Dibenz (a,h) anthracene	"	0.565	---	0.0108	"	"	0.0267	"	74.8%	(27-157)	--	--	"	
Fluoranthene	"	0.716	---	0.0108	"	"	0.0122	"	97.8%	(46-172)	--	--	"	
Fluorene	"	0.680	---	0.0108	"	"	0.00216	"	94.1%	(66-143)	--	--	"	
Indeno (1,2,3-cd) pyrene	"	0.556	---	0.0108	"	"	0.0264	"	73.6%	(24-159)	--	--	"	
1-Methylnaphthalene	"	0.507	---	0.0108	"	"	ND	"	70.4%	(39-140)	--	--	"	
2-Methylnaphthalene	"	0.503	---	0.0108	"	"	ND	"	69.9%	(32-139)	--	--	"	
Naphthalene	"	0.487	---	0.0108	"	"	0.00194	"	67.4%	(38-134)	--	--	"	
Phenanthrene	"	0.650	---	0.0108	"	"	0.00324	"	89.8%	(63-139)	--	--	"	
Pyrene	"	0.736	---	0.0108	"	"	0.00864	"	101%	(51-172)	--	--	"	
Surrogate(s): p-Terphenyl-d14		Recovery: 83.1%		Limits: 50-147%		"		"		04/04/07 22:38				

Matrix Spike Dup (7C28037-MSD2)										QC Source: BQC0649-08				
										Extracted: 03/28/07 12:11				
Acenaphthene	EPA 8270-SIM1	0.653	---	0.0108	mg/kg dry	1x	0.00324	0.720	90.2%	(67-132)	1.67%	(50)	04/04/07 23:09	
Acenaphthylene	"	0.667	---	0.0108	"	"	0.00382	"	92.1%	(65-142)	2.66%	"	"	
Anthracene	"	1.06	---	0.0108	"	"	0.0267	"	144%	(66-158)	36.5%	"	"	
Benzo (a) anthracene	"	0.642	---	0.0108	"	"	0.00295	"	88.8%	(41-156)	4.46%	"	"	
Benzo (a) pyrene	"	0.627	---	0.0108	"	"	0.0249	"	83.6%	(52-148)	3.08%	"	"	
Benzo (b) fluoranthene	"	0.683	---	0.0108	"	"	0.00533	"	94.1%	(53-151)	1.47%	"	"	
Benzo (k) fluoranthene	"	0.704	---	0.0108	"	"	0.00274	"	97.4%	(46-161)	3.76%	"	"	
Benzo (ghi) perylene	"	0.694	---	0.0108	"	"	0.00166	"	96.2%	(26-154)	3.37%	"	"	
Chrysene	"	0.721	---	0.0108	"	"	0.00692	"	99.2%	(55-155)	3.67%	(44)	"	
Dibenz (a,h) anthracene	"	0.583	---	0.0108	"	"	0.0267	"	77.3%	(27-157)	3.14%	(50)	"	
Fluoranthene	"	0.714	---	0.0108	"	"	0.0122	"	97.5%	(46-172)	0.280%	"	"	
Fluorene	"	0.705	---	0.0108	"	"	0.00216	"	97.6%	(66-143)	3.61%	(52)	"	
Indeno (1,2,3-cd) pyrene	"	0.574	---	0.0108	"	"	0.0264	"	76.1%	(24-159)	3.19%	(43)	"	

TestAmerica - Seattle, WA

Kate Dunning

Kate Haney, Project Manager

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Kennedy/Jenks Consultants	Project Name: BNSF-Harborview Park	Report Created:
32001 32nd Ave S Ste 100	Project Number: 0496017.01	04/09/07 15:01
Federal Way, WA/USA 98001	Project Manager: Ross Dunning	

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM - Laboratory Quality Control Results
 TestAmerica - Seattle, WA

QC Batch: 7C28037	Soil Preparation Method: EPA 3550B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Matrix Spike Dup (7C28037-MSD2)		QC Source: BQC0649-08			Extracted: 03/28/07 12:11									
1-Methylnaphthalene	EPA 8270-SIM	0.482	---	0.0108	mg/kg dry	1x	ND	0.720	66.9%	(39-140)	5.06%	(50)	04/04/07 23:09	
2-Methylnaphthalene	"	0.475	---	0.0108	"	"	ND	"	66.0%	(32-139)	5.73%	"	"	
Naphthalene	"	0.447	---	0.0108	"	"	0.00194	"	61.8%	(38-134)	8.57%	"	"	
Phenanthrene	"	0.690	---	0.0108	"	"	0.00324	"	95.4%	(63-139)	5.97%	"	"	
Pyrene	"	0.745	---	0.0108	"	"	0.00864	"	102%	(51-172)	1.22%	"	"	
Surrogate(s): <i>p-Terphenyl-d14</i>		Recovery: 86.1%	Limits: 50-147%		"									04/04/07 13:09

TestAmerica - Seattle, WA

Kate Dunning

Kate Haney, Project Manager

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Kennedy/Jenks Consultants	Project Name: BNSF-Harborview Park	Report Created:
32001 32nd Ave S Ste 100	Project Number: 0496017.01	04/09/07 15:01
Federal Way, WA/USA 98001	Project Manager: Ross Dunning	

Physical Parameters by APHA/ASTM/EPA Methods - Laboratory Quality Control Results
 TestAmerica - Seattle, WA

QC Batch: 7C28048	Soil Preparation Method: Dry Weight

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7C28048-BLK1)										Extracted: 03/18/07 18:16				
Dry Weight	BSOPSPLO0 3R08	99.9	---	1.00	%	1x	--	--	--	--	--	--	03/29/07 00:00	

QC Batch: 7C28063	Soil Preparation Method: Dry Weight

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7C28063-BLK1)										Extracted: 03/28/07 16:54				
Dry Weight	BSOPSPLO0 3R08	99.7	---	1.00	%	1x	--	--	--	--	--	--	03/29/07 00:00	

TestAmerica - Seattle, WA

Kate Haney

Kate Haney, Project Manager

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Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project Name: **BNSF-Harborview Park**

Project Number: 0496017.01

Project Manager: Ross Dunning

Report Created:

04/09/07 15:01

Notes and Definitions

Report Specific Notes:

- Q4 - The hydrocarbons present are a complex mixture of diesel range and heavy oil range organics.
- Q6 - Results in the diesel organics range are primarily due to overlap from a heavy oil range product.
- R4 - Due to the low levels of analyte in the sample, the duplicate RPD calculation does not provide useful information.
- RL1 - Reporting limit raised due to sample matrix effects.

Laboratory Reporting Conventions:

- DET - Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only.
- ND - Analyte NDT DETECTED at or above the reporting limit (MDL or MRL, as appropriate).
- NR/NA - Not Reported / Not Available
- dry - Sample results reported on a Dry Weight Basis. Results and Reporting Limits have been corrected for Percent Dry Weight.
- wet - Sample results and reporting limits reported on a Wet Weight Basis (as received). Results with neither 'wet' nor 'dry' are reported on a Wet Weight Basis.
- RPD - RELATIVE PERCENT DIFFERENCE (RPDs calculated using Results, not Percent Recoveries).
- MRL - METHOD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.
- MDL* - METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B.
*MDLs are listed on the report only if the data has been evaluated below the MRL. Results between the MDL and MRL are reported as Estimated Results.
- Dil - Dilutions are calculated based on deviations from the standard dilution performed for an analysis, and may not represent the dilution found on the analytical raw data.
- Reporting Limits - Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and percent solids, where applicable.
- Electronic Signature - Electronic Signature added in accordance with TestAmerica's *Electronic Reporting and Electronic Signatures Policy*.
Application of electronic signature indicates that the report has been reviewed and approved for release by the laboratory.
Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

TestAmerica - Seattle, WA

Kate Haney

Kate Haney, Project Manager

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May 21, 2007

Ross Dunning
Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

RE: BNSF-Harborview Park

Enclosed are the results of analyses for samples received by the laboratory on 05/15/07 16:25.
The following list is a summary of the Work Orders contained in this report, generated on 05/21/07
09:45.

If you have any questions concerning this report, please feel free to contact me.

<u>Work Order</u>	<u>Project</u>	<u>Project Number</u>
BQE0241	BNSF-Harborview Park	0496017

TestAmerica - Seattle, WA

Kate Hancy

Kate Hancy, Project Manager

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of custody document. This analytical report shall not be reproduced except in full,
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Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project Name: **BNSF-Harborview Park**

Project Number: **0496017**

Project Manager: **Ross Dunning**

Report Created:

05/21/07 09:45

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TP-100-24	BQE0241-01	Soil	05/15/07 09:30	05/15/07 16:25
TP-101-26	BQE0241-02	Soil	05/15/07 13:20	05/15/07 16:25
TP-102-24	BQE0241-03	Soil	05/15/07 14:30	05/15/07 16:25

TestAmerica - Seattle, WA

Kate Haney

Kate Haney, Project Manager

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Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project Name: **BNSF-Harborview Park**

Project Number: **0496017**

Project Manager: **Ross Dunning**

Report Created:

05/21/07 09:45

Analytical Case Narrative

TestAmerica - Seattle, WA

BQE0241

SAMPLE RECEIPT

The samples were received May 15th, 2007 by TestAmerica - Seattle. The temperature of the samples at the time of receipt was 0.4 degrees Celsius.

PREPARATIONS AND ANALYSIS

Semivolatile Petroleum Products by NWTPH-Dx (w/o Acid/Silica Gel Clean-up): No anomalies were associated with the sample preparation and analysis. All criteria for acceptable QC measurements were met.

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM: No anomalies were associated with the sample preparation and analysis. All criteria for acceptable QC measurements were met.

TestAmerica - Seattle, WA

Kate Haney

Kate Haney, Project Manager

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Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project Name: **BNSF-Harborview Park**

Project Number: **0496017**

Project Manager: **Ross Dunning**

Report Created:

05/21/07 09:45

Semivolatile Petroleum Products by NWTPH-Dx (w/o Acid/Silica Gel Clean-up)

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQE0241-01 (TP-100-24)		Soil						Sampled: 05/15/07 09:30		
Diesel Range Hydrocarbons	NWTPH-Dx	ND	----	12.2	mg/kg dry	1x	7E16041	05/16/07 14:01	05/17/07 06:36	
Lube Oil Range Hydrocarbons	"	ND	----	30.4	"	"	"	"	"	
Surrogate(s): 2-FBP		83.7%		54 - 148 %	"				"	
Octacosane		103%		62 - 142 %	"				"	
BQE0241-02 (TP-101-26)		Soil						Sampled: 05/15/07 13:20		
Diesel Range Hydrocarbons	NWTPH-Dx	ND	----	12.8	mg/kg dry	1x	7E16041	05/16/07 14:01	05/17/07 07:02	
Lube Oil Range Hydrocarbons	"	ND	----	32.0	"	"	"	"	"	
Surrogate(s): 2-FBP		83.6%		54 - 148 %	"				"	
Octacosane		101%		62 - 142 %	"				"	
BQE0241-03 (TP-102-24)		Soil						Sampled: 05/15/07 14:30		
Diesel Range Hydrocarbons	NWTPH-Dx	ND	----	11.8	mg/kg dry	1x	7E16041	05/16/07 14:01	05/17/07 07:29	
Lube Oil Range Hydrocarbons	"	NO	----	29.4	"	"	"	"	"	
Surrogate(s): 2-FBP		81.6%		34 - 148 %	"				"	
Octacosane		99.2%		62 - 142 %	"				"	

TestAmerica - Seattle, WA

Kate Haney

Kate Haney, Project Manager

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Kennedy/Jenks Consultants	Project Name: BNSF-Harborview Park	
32001 32nd Ave S Ste 100	Project Number: 0496017	Report Created:
Federal Way, WA/USA 98001	Project Manager: Ross Dunning	05/21/07 09:45

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM
 TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQE0241-01 (TP-100-24)		Soil		Sampled: 05/15/07 09:30						
Acenaphthene	EPA 8270-SIM	ND	----	0.0122	mg/kg dry	1x	7E16040	05/16/07 13:57	05/18/07 20:17	
Acenaphthylene	"	ND	----	0.0122	"	"	"	"	"	
Anthracene	"	ND	----	0.0122	"	"	"	"	"	
Benzo (a) anthracene	"	ND	----	0.0122	"	"	"	"	"	
Benzo (a) pyrene	"	ND	----	0.0122	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	----	0.0122	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	----	0.0122	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	----	0.0122	"	"	"	"	"	
Chrysene	"	ND	----	0.0122	"	"	"	"	"	
Dibenz (a,h) anthracene	"	ND	----	0.0122	"	"	"	"	"	
Fluoranthene	"	ND	----	0.0122	"	"	"	"	"	
Fluorene	"	ND	----	0.0122	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	----	0.0122	"	"	"	"	"	
1-Methylnaphthalene	"	ND	----	0.0122	"	"	"	"	"	
2-Methylnaphthalene	"	ND	----	0.0122	"	"	"	"	"	
Naphthalene	"	0.0343	----	0.0122	"	"	"	"	"	
Phenanthrene	"	0.0335	----	0.0122	"	"	"	"	"	
Pyrene	"	ND	----	0.0122	"	"	"	"	"	
<i>Surrogate(s): p-Terphenyl-d14</i>		84.3%		50 - 147 %						

BQE0241-02 (TP-101-26)		Soil		Sampled: 05/15/07 13:20						
Acenaphthene	EPA 8270-SIM	ND	----	0.0127	mg/kg dry	1x	7E16040	05/16/07 13:57	05/18/07 20:52	
Acenaphthylene	"	ND	----	0.0127	"	"	"	"	"	
Anthracene	"	ND	----	0.0127	"	"	"	"	"	
Benzo (a) anthracene	"	ND	----	0.0127	"	"	"	"	"	
Benzo (a) pyrene	"	ND	----	0.0127	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	----	0.0127	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	----	0.0127	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	----	0.0127	"	"	"	"	"	
Chrysene	"	ND	----	0.0127	"	"	"	"	"	
Dibenz (a,h) anthracene	"	ND	----	0.0127	"	"	"	"	"	
Fluoranthene	"	ND	----	0.0127	"	"	"	"	"	
Fluorene	"	ND	----	0.0127	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	----	0.0127	"	"	"	"	"	
1-Methylnaphthalene	"	ND	----	0.0127	"	"	"	"	"	
2-Methylnaphthalene	"	ND	----	0.0127	"	"	"	"	"	
Naphthalene	"	ND	----	0.0127	"	"	"	"	"	
Phenanthrene	"	ND	----	0.0127	"	"	"	"	"	
Pyrene	"	ND	----	0.0127	"	"	"	"	"	
<i>Surrogate(s): p-Terphenyl-d14</i>		94.3%		50 - 147 %						

TestAmerica - Seattle, WA

Kate Dunning

Kate Dunning, Project Manager

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Kennedy/Jenks Consultants	Project Name: BNSF-Harborview Park	
32001 32nd Ave S Ste 100	Project Number: 0496017	Report Created:
Federal Way, WA/USA 98001	Project Manager: Ross Dunning	05/21/07 09:45

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQE0241-03 (TP-102-24)		Soil					Sampled: 05/15/07 14:30			
Acenaphthene	EPA 8270-SIM	ND	----	0.0116	mg/kg dry	1x	7E16040	05/16/07 13:57	05/18/07 21:27	
Acenaphthylene	"	ND	----	0.0116	"	"	"	"	"	
Anthracene	"	ND	----	0.0116	"	"	"	"	"	
Benzo (a) anthracene	"	ND	----	0.0116	"	"	"	"	"	
Benzo (a) pyrene	"	ND	----	0.0116	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	----	0.0116	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	----	0.0116	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	----	0.0116	"	"	"	"	"	
Chrysene	"	ND	----	0.0116	"	"	"	"	"	
Dibenz (a,h) anthracene	"	ND	----	0.0116	"	"	"	"	"	
Fluoranthene	"	ND	----	0.0116	"	"	"	"	"	
Fluorene	"	0.0171	----	0.0116	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	----	0.0116	"	"	"	"	"	
1-Methylnaphthalene	"	ND	----	0.0116	"	"	"	"	"	
2-Methylnaphthalene	"	ND	----	0.0116	"	"	"	"	"	
Naphthalene	"	ND	----	0.0116	"	"	"	"	"	
Phenanthrene	"	0.0536	----	0.0116	"	"	"	"	"	
Pyrene	"	ND	----	0.0116	"	"	"	"	"	

Surrogate(s): p-Terphenyl-d14

110%

50 - 147 %

"

"

TestAmerica - Seattle, WA

Kate Haney

Kate Haney, Project Manager

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Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project Name: **BNSF-Harborview Park**

Project Number: **0496017**

Project Manager: **Ross Dunning**

Report Created:

05/21/07 09:45

Physical Parameters by APHA/ASTM/EPA Methods

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQE0241-01 (TP-100-24)		Soil					Sampled: 05/15/07 09:30			
Dry Weight	BSOP\$PL003R0 g	82.8	-----	1.00	%	1x	7E16043	05/16/07 14:08	05/17/07 00:00	
BQE0241-02 (TP-101-26)		Soil					Sampled: 05/15/07 13:20			
Dry Weight	BSOP\$PL003R0 g	78.2	-----	1.00	%	1x	7E16043	05/16/07 14:08	05/17/07 00:00	
BQE0241-03 (TP-102-24)		Soil					Sampled: 05/15/07 14:30			
Dry Weight	BSOP\$PL003R0 g	85.9	---	1.00	%	1x	7E16043	05/16/07 14:08	05/17/07 00:00	

TestAmerica - Seattle, WA

Kate Dunning

Kate Hancy, Project Manager

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Kennedy/Jenks Consultants	Project Name: BNSF-Harborview Park	Report Created:
32001 32nd Ave S Ste 100	Project Number: 0496017	05/21/07 09:45
Federal Way, WA/USA 98001	Project Manager: Ross Durning	

Semivolatile Petroleum Products by NWTPH-Dx (w/o Acid/Silica Gel Clean-up) - Laboratory Quality Control Results
 TestAmerica - Seattle, WA

QC Batch: 7E16041	Soil Preparation Method: EPA 3550B

Analyte	Method	Result	MDL*	MRL	Unit	Dil	Source Ref	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes

Blank (7E16041-BLK1)													
										Extracted: 05/16/07 14:01			
Diesel Range Hydrocarbons	NWTPH-Dx	ND	---	10.0	mg/kg wet	1x	--	--	--	--	--	--	05/16/07 21:54
Lube Oil Range Hydrocarbons	"	ND	---	25.0	"	"	--	--	--	--	--	--	"
Surrogate(s): 2-FBP		Recovery: 80.6%		Limits: 54-148%									05/16/07 21:54
Octacosane		80.6%		62-142%									"

LCS (7E16041-BS1)													
										Extracted: 05/16/07 14:01			
Diesel Range Hydrocarbons	NWTPH-Dx	72.2	---	10.0	mg/kg wet	1x	--	66.7	108%	(78-129)	--	--	05/16/07 22:20
Surrogate(s): 2-FBP		Recovery: 91.6%		Limits: 54-148%									05/16/07 22:20
Octacosane		79.7%		62-142%									"

Duplicate (7E16041-DUP1)													
										QC Source: BQE0241-02			
										Extracted: 05/16/07 14:01			
Diesel Range Hydrocarbons	NWTPH-Dx	ND	---	13.0	mg/kg dry	1x	NO	--	--	--	NR (40)	--	05/16/07 22:46
Lube Oil Range Hydrocarbons	"	ND	---	32.4	"	"	ND	--	--	--	NR	--	"
Surrogate(s): 2-FBP		Recovery: 84.4%		Limits: 54-148%									05/16/07 22:46
Octacosane		82.5%		62-142%									"

Duplicate (7E16041-DUP3)													
										QC Source: BQE0223-04RE1			
										Extracted: 05/16/07 14:01			
Diesel Range Hydrocarbons	NWTPH-Dx	324	---	20.3	mg/kg dry	2x	334	--	--	--	3.04% (40)	--	05/17/07 10:59
Lube Oil Range Hydrocarbons	"	603	---	50.7	"	"	618	--	--	--	2.13%	--	"
Surrogate(s): 2-FBP		Recovery: 80.0%		Limits: 54-148%									05/17/07 10:59
Octacosane		104%		62-142%									"

Matrix Spike (7E16041-MS1)													
										QC Source: BQE0241-02			
										Extracted: 05/16/07 14:01			
Diesel Range Hydrocarbons	NWTPH-Dx	91.4	---	12.8	mg/kg dry	1x	ND	85.3	107%	(46-155)	--	--	05/16/07 23:38
Surrogate(s): 2-FBP		Recovery: 89.5%		Limits: 54-148%									05/16/07 23:38
Octacosane		91.0%		62-142%									"

TestAmerica - Seattle, WA

Kate Durning

Kate Durning, Project Manager

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Kennedy/Jenks Consultants	Project Name: BNSF-Harborview Park	Report Created:
32001 32nd Ave S Ste 100	Project Number: 0496017	05/21/07 09:45
Federal Way, WA/USA 98001	Project Manager: Ross Dunning	

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM - Laboratory Quality Control Results
TestAmerica - Seattle, WA

QC Batch: 7E16040	Soil Preparation Method: EPA 3550B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7E16040-BLK1)														
Extracted: 05/16/07 13:57														
Acenaphthene	EPA 8270-SIM	ND	---	0.0100	mg/kg wet	1x	--	--	--	--	--	--	05/18/07 19:08	
Acenaphthylene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Anthracene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Benzo (e) anthracene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Benzo (a) pyrene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Benzo (b) fluoranthene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Benzo (k) fluoranthene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Benzo (ghi) perylene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Chrysene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Dibenz (a,h) anthracene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Fluoranthene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Fluorene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Indeno (1,2,3-cd) pyrene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
1-Methylnaphthalene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
2-Methylnaphthalene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Phenanthrene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Pyrene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Surrogate(s): p-Terphenyl-d14 Recovery: 120% Limits: 50-147% 05/18/07 19:08														

LCS (7E16040-BS1)														
Extracted: 05/16/07 13:57														
Acenaphthene	EPA 8270-SIM	0.656	---	0.0100	mg/kg wet	1x	--	0.667	98.4%	(70-125)	--	--	05/18/07 19:42	
Acenaphthylene	"	0.712	---	0.0100	"	"	--	"	107%	(70-133)	--	--	"	
Anthracene	"	0.718	---	0.0100	"	"	--	"	108%	(70-152)	--	--	"	
Benzo (a) anthracene	"	0.575	---	0.0100	"	"	--	"	86.2%	(60-125)	--	--	"	
Benzo (a) pyrene	"	0.673	---	0.0100	"	"	--	"	101%	(64-134)	--	--	"	
Benzo (b) fluoranthene	"	0.664	---	0.0100	"	"	--	"	99.6%	(62-147)	--	--	"	
Benzo (k) fluoranthene	"	0.657	---	0.0100	"	"	--	"	98.5%	(60-144)	--	--	"	
Benzo (ghi) perylene	"	0.550	---	0.0100	"	"	--	"	82.5%	(57-137)	--	--	"	
Chrysene	"	0.653	---	0.0100	"	"	--	"	97.9%	(70-139)	--	--	"	
Dibenz (a,h) anthracene	"	0.519	---	0.0100	"	"	--	"	77.8%	(56-140)	--	--	"	
Fluoranthene	"	0.681	---	0.0100	"	"	--	"	102%	(70-141)	--	--	"	
Fluorene	"	0.685	---	0.0100	"	"	--	"	103%	(76-132)	--	--	"	
Indeno (1,2,3-cd) pyrene	"	0.506	---	0.0100	"	"	--	"	75.9%	(55-138)	--	--	"	
1-Methylnaphthalene	"	0.624	---	0.0100	"	"	--	"	93.6%	(46-128)	--	--	"	
2-Methylnaphthalene	"	0.631	---	0.0100	"	"	--	"	94.6%	(41-125)	--	--	"	
Naphthalene	"	0.626	---	0.0100	"	"	--	"	93.9%	(43-125)	--	--	"	
Phenanthrene	"	0.621	---	0.0100	"	"	--	"	93.1%	(73-125)	--	--	"	

TestAmerica - Seattle, WA

Kate Hancy

Kate Hancy, Project Manager

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Kennedy/Jenks Consultants	Project Name: BNSF-Harborview Park	
32001 32nd Ave S Ste 100	Project Number: 0496017	Report Created:
Federal Way, WA/USA 98001	Project Manager: Ross Dunning	05/21/07 09:45

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM - Laboratory Quality Control Results
TestAmerica - Seattle, WA

QC Batch: 7E16040	Soil Preparation Method: EPA 3550B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes

LCS (7E16040-BS1)

Extracted: 05/16/07 13:57

Pyrene	EPA 8270-SIM	0.593	---	0.0100	ng/kg wet	1x	--	0.667	88.9%	(68-140)	--	--	05/18/07 19:42
Surrrogate(s): p-Terphenyl-d14													
		Recovery:	96.4%	Limits: 50-147%		"		05/18/07 19:42					

Matrix Spike (7E16040-MS1)

QC Source: BQE0241-01

Extracted: 05/16/07 13:57

Acenaphthene	EPA 8270-SIM	0.783	---	0.0120	mg/kg dry	1x	0.00653	0.802	96.8%	(67-132)	--	--	05/18/07 22:02
Acenaphthylene	"	0.831	---	0.0120	"	"	ND	"	104%	(65-142)	--	--	"
Anthracene	"	0.844	---	0.0120	"	"	ND	"	105%	(66-158)	--	--	"
Benzo (a) anthracene	"	0.693	---	0.0120	"	"	ND	"	86.4%	(41-156)	--	--	"
Benzo (a) pyrene	"	0.805	---	0.0120	"	"	ND	"	100%	(52-148)	--	--	"
Benzo (b) fluoranthene	"	0.770	---	0.0120	"	"	ND	"	96.0%	(53-151)	--	--	"
Benzo (k) fluoranthene	"	0.791	---	0.0120	"	"	ND	"	98.6%	(46-161)	--	--	"
Benzo (ghi) perylene	"	0.659	---	0.0120	"	"	ND	"	82.2%	(26-154)	--	--	"
Chrysene	"	0.794	---	0.0120	"	"	ND	"	99.0%	(88-155)	--	--	"
Dibenz (a,h) anthracene	"	0.620	---	0.0120	"	"	ND	"	77.3%	(27-157)	--	--	"
Fluoranthene	"	0.802	---	0.0120	"	"	ND	"	100%	(46-172)	--	--	"
Fluorene	"	0.812	---	0.0120	"	"	0.00734	"	100%	(66-143)	--	--	"
Indeno (1,2,3-cd) pyrene	"	0.611	---	0.0120	"	"	ND	"	76.2%	(24-159)	--	--	"
1-Methylnaphthalene	"	0.727	---	0.0120	"	"	0.00326	"	90.2%	(39-140)	--	--	"
2-Methylnaphthalene	"	0.736	---	0.0120	"	"	ND	"	91.8%	(32-139)	--	--	"
Naphthalene	"	0.757	---	0.0120	"	"	0.0343	"	90.1%	(38-134)	--	--	"
Phenanthrene	"	0.768	---	0.0120	"	"	0.0335	"	91.6%	(63-139)	--	--	"
Pyrene	"	0.713	---	0.0120	"	"	ND	"	88.9%	(51-172)	--	--	"
Surrrogate(s): p-Terphenyl-d14		Recovery:	96.5%	Limits: 50-147%		"	05/18/07 22:02						

Matrix Spike Dup (7E16040-MSD1)

QC Source: BQE0241-01

Extracted: 05/16/07 13:57

Acenaphthene	EPA 8270-SIM	0.816	---	0.0120	mg/kg dry	1x	0.00653	0.802	101%	(67-132)	4.13%	(50)	05/18/07 22:37	
Acenaphthylene	"	0.864	---	0.0120	"	"	ND	"	108%	(65-142)	3.89%	"	"	
Anthracene	"	0.865	---	0.0120	"	"	ND	"	108%	(66-158)	2.46%	"	"	
Benzo (a) anthracene	"	0.722	---	0.0120	"	"	ND	"	90.0%	(41-156)	4.10%	"	"	
Benzo (a) pyrene	"	0.859	---	0.0120	"	"	ND	"	107%	(52-148)	6.49%	"	"	
Benzo (b) fluoranthene	"	0.808	---	0.0120	"	"	ND	"	101%	(53-151)	4.82%	"	"	
Benzo (k) fluoranthene	"	0.837	---	0.0120	"	"	ND	"	104%	(46-161)	5.65%	"	"	
Benzo (ghi) perylene	"	0.737	---	0.0120	"	"	ND	"	91.9%	(26-154)	11.2%	"	"	
Chrysene	"	0.835	---	0.0120	"	"	ND	"	104%	(55-155)	5.03%	(44)	"	
Dibenz (a,h) anthracene	"	0.697	---	0.0120	"	"	ND	"	86.9%	(27-157)	11.7%	(50)	"	
Fluoranthene	"	0.815	---	0.0120	"	"	ND	"	102%	(46-172)	1.61%	"	"	
Fluorene	"	0.836	---	0.0120	"	"	0.00734	"	103%	(66-143)	2.91%	(52)	"	
Indeno (1,2,3-cd) pyrene	"	0.678	---	0.0120	"	"	ND	"	84.5%	(24-159)	10.4%	(43)	"	

TestAmerica - Seattle, WA

Kate Haney

Kate Haney, Project Manager

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Kennedy/Jenks Consultants	Project Name: BNSF-Harborview Park	
32001 32nd Ave S Ste 100	Project Number: 0496017	Report Created:
Federal Way, WA/USA 98001	Project Manager: Ross Dunning	05/21/07 09:45

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM - Laboratory Quality Control Results
 TestAmerica - Seattle, WA

QC Batch: 7E16040 Soil Preparation Method: EPA 3550B

Analyte	Method	Result	MDL*	MRL	Units	GL	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Matrix Spike Dup (7E16040-MSDf)				QC Source: BQE0241-01				Extracted: 05/16/07 13:57						
1-Methylnaphthalene	EPA 8270-SIM	0.746	---	0.0120	mg/kg dry	1x	0.00326	0.802	92.6%	(39-140)	2.58%	(50]	05/18/07 22:37	
2-Methylnaphthalene	"	0.762	---	0.0120	"	"	ND	"	95.0%	(32-139)	3.47%	"	"	
Naphthalene	"	0.782	---	0.0120	"	"	0.0343	"	93.2%	(38-134)	3.25%	"	"	
Phenanthrene	"	0.795	---	0.0120	"	"	0.0335	"	95.0%	(63-139)	3.45%	"	"	
Pyrene	"	0.722	---	0.0120	"	"	ND	"	90.0%	(51-172)	1.25%	"	"	
<i>Surrogate(s): p-Terphenyl-d14</i>		<i>Recovery: 98.8%</i>	<i>Limits: 50-147%</i>										<i>05/18/07 22:37</i>	

TestAmerica - Seattle, WA

Kate Dunning

Kate Haney, Project Manager

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Kennedy/Jenks Consultants	Project Name: BNSF-Harborview Park	
32001 32nd Ave S Ste 100	Project Number: 0496017	Report Created:
Federal Way, WA/USA 98001	Project Manager: Ross Dunning	05/21/07 09:45

Physical Parameters by APHA/ASTM/EPA Methods - Laboratory Quality Control Results
 TestAmerica - Seattle, WA

QC Batch: 7E16043 **Soil Preparation Method:** Dry Weight

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7E16043-BLK1)										Extracted: 05/16/07 14:08				
Dry Weight	ASOFSPL00 3R08	100	—	1.00	%	tx	--	—	—	—	--	--	05/17/07 00:00	

TestAmerica - Seattle, WA

Kate Haney

Kate Haney, Project Manager

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Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project Name: **BNSF-Harborview Park**

Project Number: 0496017

Project Manager: Ross Dunning

Report Created:

05/21/07 09:45

Notes and Definitions

Report Specific Notes:

None

Laboratory Reporting Conventions:

- DET - Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only.
- ND - Analyte NOT DETECTED at or above the reporting limit (MDL or MRL, as appropriate).
- NR/NA - Not Reported / Not Available
- dry - Sample results reported on a Dry Weight Basis. Results and Reporting Limits have been corrected for Percent Dry Weight.
- wet - Sample results and reporting limits reported on a Wet Weight Basis (as received). Results with neither 'wet' nor 'dry' are reported on a Wet Weight Basis.
- RPD - RELATIVE PERCENT DIFFERENCE (RPDs calculated using Results, not Percent Recoveries).
- MRL - METHDD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.
- MDL* - METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B. *MDLs are listed on the report only if the data has been evaluated below the MRL. Results between the MDL and MRL are reported as Estimated Results.
- Dil - Dilutions are calculated based on deviations from the standard dilution performed for an analysis, and may not represent the dilution found on the analytical raw data.
- Reporting Limits - Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and percent solids, where applicable.
- Electronic Signature - Electronic Signature added in accordance with TestAmerica's *Electronic Reporting and Electronic Signatures Policy*. Application of electronic signature indicates that the report has been reviewed and approved for release by the laboratory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

TestAmerica - Seattle, WA

Kate Dunning

Kate Haney, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report shall not be reproduced except in full, without the written approval of the laboratory.



May 24, 2007

Ross Dunning
Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

RE: BNSF-Harborview Park

Enclosed are the results of analyses for samples received by the laboratory on 05/22/07 16:30.
The following list is a summary of the Work Orders contained in this report, generated on 05/24/07
16:20.

If you have any questions concerning this report, please feel free to contact me.

<u>Work Order</u>	<u>Project</u>	<u>Project Number</u>
BQE0373	BNSF-Harborview Park	0496017.01

TestAmerica - Seattle, WA



Kortland Orr For Kate Haney, Project Manager

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of custody documents. This analytical report shall not be reproduced except in full,
without the written approval of the laboratory.*



Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project Name: **BNSF-Harborview Park**

Project Number: 0496017.01

Project Manager: Ross Dunning

Report Created:

05/24/07 16:20

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TP-103-30	BQE0373-01	Soil	05/18/07 15:30	05/22/07 16:30

TestAmerica - Seattle, WA



Kortland Orr For Kate Hancy, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report shall not be reproduced except in full, without the written approval of the laboratory.



Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project Name: **BNSF-Harborview Park**

Project Number: 0496017.01

Project Manager: Ross Dunning

Report Created:

05/24/07 16:20

Semivolatile Petroleum Products by NWTPH-Dx with Acid/Silica Gel Clean-up

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQE0373-01 (TP-103-30)		Soil		Sampled: 05/18/07 15:30						
Diesel Range Hydrocarbons	NWTPH-Dx	ND	---	11.1	mg/kg dry	1x	7E23039	05/23/07 14:22	05/24/07 02:26	
Lube Oil Range Hydrocarbons	"	ND	---	27.7	"	"	"	"	"	
<i>Surrogate(s): 2-FBP</i>			75.1%		54 - 148 %	"			"	
<i>Octacosane</i>			93.4%		62 - 142 %	"			"	

Kurt Orr



Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project Name: **BNSF-Harborview Park**

Project Number: **0496017.01**

Project Manager: **Ross Dunning**

Report Created:

05/24/07 16:20

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQE0373-01 (TP-t03-30)		Soil		Sampled: 05/18/07 15:30						
Acenaphthene	EPA 8270-SIM	ND	—	0.0109	mg/kg dry	1x	7E22051	05/22/07 16:30	05/24/07 11:36	
Acenaphthylene	"	ND	—	0.0109	"	"	"	"	"	
Anthracene	"	0.0146	—	0.0109	"	"	"	"	"	
Benzo (a) anthracene	"	0.0153	—	0.0109	"	"	"	"	"	
Benzo (a) pyrene	"	ND	—	0.0109	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	—	0.0109	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	—	0.0109	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	—	0.0109	"	"	"	"	"	
Chrysene	"	0.0182	—	0.0109	"	"	"	"	"	
Dibenz (a,h) anthracene	"	ND	—	0.0109	"	"	"	"	"	
Fluoranthene	"	0.120	—	0.0109	"	"	"	"	"	
Fluorene	"	0.0219	—	0.0109	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	—	0.0109	"	"	"	"	"	
1-Methylnaphthalene	"	ND	—	0.0109	"	"	"	"	"	
2-Methylnaphthalene	"	ND	—	0.0109	"	"	"	"	"	
Naphthalene	"	ND	—	0.0109	"	"	"	"	"	
Phenanthrene	"	0.0903	—	0.0109	"	"	"	"	"	
Pyrene	"	0.0634	—	0.0109	"	"	"	"	"	
Surrogate(s): <i>p-Terphenyl-d14</i>		83.0%		50 - 147 %						

TestAmerica - Seattle, WA

Kurt Dunning

Kurt Dunning For Kaic Haney, Project Manager

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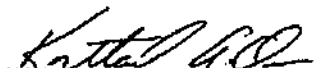


Kennedy/Jenks Consultants	Project Name: BNSF-Harborview Park	
32001 32nd Ave S Ste 100	Project Number: 0496017.01	Report Created:
Federal Way, WA/USA 98001	Project Manager: Ross Dunning	05/24/07 16:20

Physical Parameters by APHA/ASTM/EPA Methods
 TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQE0373-01 (TP-103-30)		Soil						Sampled: 05/18/07 15:30		
Dry Weight	BSUPSP1003R0 8	91.5	-----	1.00	%	1x	7E23054	05/23/07 17:26	05/24/07 00:00	

TestAmerica - Seattle, WA



Korland Orr For Kate Haney, Project Manager

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Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project Name: **BNSF-Harborview Park**

Project Number: **0496017.01**

Project Manager: **Ross Dunning**

Report Created:

05/24/07 16:20

Semivolatile Petroleum Products by NWTPH-Dx with Acid/Silica Gel Clean-up - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 7E23039

Soil Preparation Method: EPA 3550B

Analyte	Method	Result	MDL*	MRL	Units	Dt	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7E23039-BLK1)										Extracted: 05/23/07 14:22				
Diesel Range Hydrocarbons	NWTPH-Dx	ND	---	10.0	mg/kg wet	1x	--	--	--	--	--	--	05/24/07 00:29	
Lube Oil Range Hydrocarbons	"	ND	---	25.0	"	"	--	--	--	--	--	--	"	
Surrogate(s): 2-FBP		Recovery: 76.4%		Limits: 54-148%	"								05/24/07 00:29	
Octacosane		95.2%		62-142%	"								"	
LCS (7E23039-BSI)										Extracted: 05/23/07 14:22				
Diesel Range Hydrocarbons	NWTPH-Dx	69.1	---	10.0	mg/kg wet	1x	--	66.7	104%	(78-129)	--	--	05/24/07 00:58	
Surrogate(s): 2-FBP		Recovery: 86.0%		Limits: 54-148%	"								05/24/07 00:58	
Octacosane		99.2%		62-142%	"								"	
Duplicate (7E23039-DUP1)										QC Source: BQE0373-01 Extracted: 05/23/07 14:12				
Diesel Range Hydrocarbons	NWTPH-Dx	ND	---	10.9	mg/kg dry	1x	ND	--	--	--	29.2%	(50)	05/24/07 01:27	R4
Lube Oil Range Hydrocarbons	"	ND	---	27.2	"	"	ND	--	--	--	NR	"	"	R4
Surrogate(s): 2-FBP		Recovery: 75.0%		Limits: 54-148%	"								05/24/07 01:27	
Octacosane		91.6%		62-142%	"								"	
Matrix Spike (7E23039-MS1)										QC Source: BQE0373-01 Extracted: 05/23/07 14:22				
Diesel Range Hydrocarbons	NWTPH-Dx	74.2	---	55.4	mg/kg dry	5x	6.20	73.8	92.1%	(46-155)	--	--	05/24/07 01:57	
Surrogate(s): 2-FBP		Recovery: 70.3%		Limits: 54-148%	"								05/24/07 01:57	
Octacosane		84.0%		62-142%	"								"	

TestAmerica - Seattle, WA

Korland Orr

Korland Orr For Kate Haney, Project Manager

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Kennedy/Jenks Consultants	Project Name: BNSF-Harborview Park	Report Created:
32001 32nd Ave S Ste 100	Project Number: 0496017.01	05/24/07 16:20
Federal Way, WA/USA 98001	Project Manager: Ross Dunning	

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM - Laboratory Quality Control Results
 TestAmerica - Seattle, WA

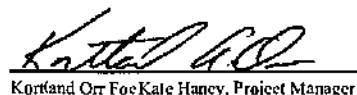
QC Batch: 7E22051	Soil Preparation Method: EPA 3550B

Analyte	Method	Recovery	MDL*	MRL	Units	DI	Source Result	Sp(ke Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7E22051-BLK2)														
Extracted: 05/22/07 14:42														
Acenaphthene	EPA 8270-SIM	ND	---	0.0100	mg/kg wet	1x	--	--	--	--	--	--	05/24/07 09:17	
Acenaphthylene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Anthracene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Benzo (a) anthracene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Benzo (e) pyrene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Benzo (b) fluoranthene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Benzo (k) fluoranthene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Benzo (ghi) perylene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Chrysene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Dibenz (a,h) anthracene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Fluoranthene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Fluorene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Indeno (1,2,3-cd) pyrene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
1-Methylnaphthalene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
2-Methylnaphthalene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Phenanthrene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Pyrene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Surrogate(s): p-Terphenyl-d14 Recovery: 100% Limits: 50-147% " 05/24/07 09:17														

LCS (7E22051-BS2)														
Extracted: 05/22/07 14:42														
Acenaphthene	EPA 8270-SIM	0.544	---	0.0100	mg/kg wet	1x	--	0.667	81.6%	(70-125)	--	--	05/24/07 09:51	
Acenaphthylene	"	0.569	---	0.0100	"	"	--	"	85.3%	(70-177)	--	--	"	
Anthracene	"	0.590	---	0.0100	"	"	--	"	88.5%	(70-152)	--	--	"	
Benzo (a) anthracene	"	0.501	---	0.0100	"	"	--	"	75.1%	(60-125)	--	--	"	
Benzo (a) pyrene	"	0.581	---	0.0100	"	"	--	"	87.1%	(64-134)	--	--	"	
Benzo (b) fluoranthene	"	0.493	---	0.0100	"	"	--	"	73.9%	(62-147)	--	--	"	
Benzo (k) fluoranthene	"	0.611	---	0.0100	"	"	--	"	91.6%	(60-144)	--	--	"	
Benzo (ghi) perylene	"	0.574	---	0.0100	"	"	--	"	86.1%	(57-137)	--	--	"	
Chrysene	"	0.577	---	0.0100	"	"	--	"	86.5%	(70-139)	--	--	"	
Dibenz (a,h) anthracene	"	0.517	---	0.0100	"	"	--	"	77.5%	(56-140)	--	--	"	
Fluoranthene	"	0.579	---	0.0100	"	"	--	"	86.8%	(70-141)	--	--	"	
Fluorene	"	0.549	---	0.0100	"	"	--	"	82.3%	(76-132)	--	--	"	
Indeno (1,2,3-cd) pyrene	"	0.511	---	0.0100	"	"	--	"	76.6%	(55-138)	--	--	"	
1-Methylnaphthalene	"	0.487	---	0.0100	"	"	--	"	72.4%	(46-128)	--	--	"	
2-Methylnaphthalene	"	0.491	---	0.0100	"	"	--	"	73.6%	(41-125)	--	--	"	
Naphthalene	"	0.491	---	0.0100	"	"	--	"	73.6%	(43-125)	--	--	"	
Phenanthrene	"	0.515	---	0.0100	"	"	--	"	77.2%	(73-125)	--	--	"	

TestAmerica - Seattle, WA

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 Kaitlin Orr For Kate Haney, Project Manager



Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project Name: **BNSF-Harborview Park**

Project Number: **0496017.01**

Project Manager: **Ross Duffin**

Report Created:

05/24/07 16:20

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 7E22051

Soil Preparation Method: EPA 3550B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Retent	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes

LCS (7E22051-BS2)

Extracted: 05/22/07 14:42

Pyrene	EPA 8270-SIM	0.470	---	0.0100	mg/kg wet	1x	--	0.667	70.5%	(68-140)	--	--	05/24/07 09:51	
Surrogate(s): <i>p-Terphenyl-d14</i>		Recovery: 76.3%		Limits: 50-147%									03/24/07 09:31	

Matrix Spike (7E22051-MS2)

QC Source: BQE0373-01

Extracted: 05/22/07 14:42

Acenaphthene	EPA 8270-SIM	0.606	---	0.0109	mg/kg dry	1x	0.00947	0.729	81.8%	(67-132)	--	--	05/24/07 12:11	
Acenaphthylene	"	0.627	---	0.0109	"	"	ND	"	86.0%	(65-142)	--	--	"	
Anthracene	"	0.674	---	0.0109	"	"	0.0146	"	90.5%	(66-158)	--	--	"	
Benzo (a) anthracene	"	0.582	---	0.0109	"	"	0.0153	"	77.7%	(41-156)	--	--	"	
Benzo (a) pyrene	"	0.676	---	0.0109	"	"	0.00364	"	92.2%	(52-148)	--	--	"	
Benzo (b) fluoranthene	"	0.570	---	0.0109	"	"	0.00510	"	77.5%	(53-151)	--	--	"	
Benzo (k) fluoranthene	"	0.670	---	0.0109	"	"	0.00510	"	91.2%	(46-161)	--	--	"	
Benzo (ghi) perylene	"	0.691	---	0.0109	"	"	ND	"	94.8%	(26-154)	--	--	"	
Chrysene	"	0.667	---	0.0109	"	"	0.0182	"	89.0%	(55-155)	--	--	"	
Dibenz (ah) anthracene	"	0.601	---	0.0109	"	"	ND	"	82.4%	(27-157)	--	--	"	
Fluoranthene	"	0.772	---	0.0109	"	"	0.120	"	89.4%	(46-172)	--	--	"	
Fluorene	"	0.654	---	0.0109	"	"	0.0219	"	86.7%	(66-143)	--	--	"	
Indeno (1,2,3-cd) pyrene	"	0.597	---	0.0109	"	"	ND	"	81.9%	(24-159)	--	--	"	
1-Methylnaphthalene	"	0.508	---	0.0109	"	"	ND	"	69.7%	(39-140)	--	--	"	
2-Methylnaphthalene	"	0.514	---	0.0109	"	"	ND	"	70.5%	(32-139)	--	--	"	
Naphthalene	"	0.509	---	0.0109	"	"	ND	"	69.8%	(38-134)	--	--	"	
Phenanthrene	"	0.676	---	0.0109	"	"	0.0903	"	80.3%	(63-139)	--	--	"	
Pyrene	"	0.604	---	0.0109	"	"	0.0634	"	74.2%	(51-172)	--	--	"	
Surrogate(s): <i>p-Terphenyl-d14</i>		Recovery: 80.8%		Limits: 50-147%									03/24/07 17:11	

Matrix Spike Dup (7E22051-MSD2)

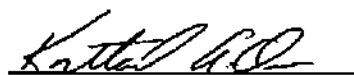
QC Source: BQE0373-01

Extracted: 05/22/07 14:42

Acenaphthene	EPA 8270-SIM	0.709	---	0.0109	mg/kg dry	1x	0.00947	0.729	96.0%	(67-132)	15.7%	(50)	05/24/07 12:46	
Acenaphthylene	"	0.732	---	0.0109	"	"	ND	"	100%	(65-142)	15.5%	"	"	
Anthracene	"	0.809	---	0.0109	"	"	0.0146	"	109%	(66-158)	18.2%	"	"	
Benzo (a) anthracene	"	0.693	---	0.0109	"	"	0.0153	"	93.0%	(41-156)	17.4%	"	"	
Benzo (a) pyrene	"	0.781	---	0.0109	"	"	0.00364	"	107%	(52-148)	14.4%	"	"	
Benzo (b) fluoranthene	"	0.654	---	0.0109	"	"	0.00510	"	89.0%	(53-151)	13.7%	"	"	
Benzo (k) fluoranthene	"	0.637	---	0.0109	"	"	0.00510	"	86.7%	(46-161)	5.05%	"	"	
Benzo (ghi) perylene	"	0.795	---	0.0109	"	"	ND	"	109%	(26-154)	14.0%	"	"	
Chrysene	"	0.786	---	0.0109	"	"	0.0182	"	105%	(55-155)	16.4%	(44)	"	
Dibenz (ah) anthracene	"	0.689	---	0.0109	"	"	ND	"	94.5%	(27-157)	13.6%	(50)	"	
Fluoranthene	"	0.986	---	0.0109	"	"	0.120	"	119%	(46-172)	24.3%	"	"	
Fluorene	"	0.766	---	0.0109	"	"	0.0219	"	102%	(66-143)	15.8%	(52)	"	
Indeno (1,2,3-cd) pyrene	"	0.685	---	0.0109	"	"	ND	"	94.0%	(24-159)	13.7%	(43)	"	

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Kortland Orr For Kate Hancy, Project Manager



Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project Name: **BNSF-Harborview Park**

Project Number: **0496017.01**

Project Manager: **Ross Dunning**

Report Created:

05/24/07 16:20

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 7E22051

Soil Preparation Method: EPA 3550B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Matrix Spike Dup (7E22051-MSD2)		QC Source: BQE0373-01				Extracted: 05/22/07 14:42								
1-Methylnaphthalene	EPA 8270-SIM1	0.594	---	0.0109	mg/kg dry	1x	ND	0.729	81.5%	(39-140)	15.6%	(50)	05/24/07 12:46	
2-Methylnaphthalene	"	0.596	---	0.0109	"	"	ND	"	81.8%	(32-139)	14.8%	"	"	
Naphthalene	"	0.584	---	0.0109	"	"	ND	"	80.1%	(38-134)	13.7%	"	"	
Phenanthrene	"	0.852	---	0.0109	"	"	0.0903	"	104%	(63-139)	23.0%	"	"	
Pyrene	"	0.748	---	0.0109	"	"	0.0634	"	93.9%	(51-172)	21.3%	"	"	
Surrogate(s): p-Terphenyl-d14		Recovery: 95.6%	Limits: 50-147%		05/24/07 12:46									

TestAmerica - Seattle, WA

Kate Orr

Kortland Orr For Kate Hancy, Project Manager

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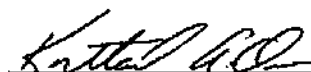
Kennedy/Jenks Consultants	Project Name:	BNSF-Harborview Park	
32001 32nd Ave S Ste 100	Project Number:	0496017.01	Report Created:
Federal Way, WA/USA 98001	Project Manager:	Ross Dunning	05/24/07 16:20

Physical Parameters by APHA/ASTM/EPA Methods - Laboratory Quality Control Results
 TestAmerica - Seattle, WA

QC Batch: 7E23054	Soil Preparation Method: Dry Weight

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7E23054-BLK1)										Extracted: 05/23/07 17:26				
Dry Weight	BSOP\$PL00 3R08	100	--	1.00	%	1x	--	--	--	--	--	--	05/24/07 00:00	

TestAmerica - Seattle, WA



Kortland Orr For Kate Haney, Project Manager

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Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project Name: **BNSF-Harborview Park**

Project Number: 0496017.01

Project Manager: Ross Dunning

Report Created:

05/24/07 16:20

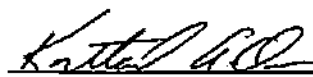
Notes and Definitions

Report Specific Notes:

- R4 - Due to the low levels of analyte in the sample, the duplicate RPD calculation does not provide useful information.

Laboratory Reporting Conventions:

- DET - Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only.
- ND - Analyte NOT DETECTED at or above the reporting limit (MDL or MRL, as appropriate).
- NR/NA - Not Reported / Not Available
- dry - Sample results reported on a Dry Weight Basis. Results and Reporting Limits have been corrected for Percent Dry Weight.
- wet - Sample results and reporting limits reported on a Wet Weight Basis (as received). Results with neither 'wet' nor 'dry' are reported on a Wet Weight Basis.
- RPD - RELATIVE PERCENT DIFFERENCE (RPDs calculated using Results, not Percent Recoveries).
- MRL - METHOD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.
- MDL* - METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B.
 *MDLs are listed on the report only if the data has been evaluated below the MRL. Results between the MDL and MRL are reported as Estimated Results.
- Dil - Dilutions are calculated based on deviations from the standard dilution performed for an analysis, and may not represent the dilution found on the analytical raw data.
- Reporting Limits - Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and percent solids, where applicable.
- Electronic Signature - Electronic Signature added in accordance with TestAmerica's *Electronic Reporting and Electronic Signatures Policy*.
 Application of electronic signature indicates that the report has been reviewed and approved for release by the laboratory.
 Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.



Karla Orr For Kate Hancy, Project Manager



TestAmerica

ANALYTICAL TESTING CORPORATION

11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244
 425-420-9200 FAX 420-9210
 11922 E. First Ave, Spokane, WA 99206-5302
 509-924-9200 FAX 924-9290
 9405 SW Nimbus Ave, Beaverton, OR 97008-7145
 503-966-9200 FAX 906-9210
 2080 W International Airport Rd Ste A10, Anchorage, AK 99502-1119
 907-563-9200 FAX 563-9210

CHAIN OF CUSTODY REPORT

Work Order #: **5QF0373**

CLIENT: Kennedy Trucks Consultants / BUSF REPORT TO: Ross Dunning ADDRESS: 32001 32nd Ave S, Tukwila, WA 98001 PHONE: 253-314-0555 FAX: 253-953-3435 PROJECT NAME: BUSF Harborview Park PROJECT NUMBER: 0496017 #01		INVOICE TO: BUSF Attn: Bruce Shippard Pre-approval by: Ross Dunning P.O. NUMBER: FAB TTB-008-F01 PRESERVATIVE:		TURNAROUND REQUEST In Business Days * Organic & Inorganic Analyses Petroleum Hydrocarbon Analyses STD: ☐ 10 ☐ 7 ☐ 5 ☐ 4 ☐ 3 ☐ 2 ☐ 1 ☐ <1 STD: ☐ 5 ☐ 4 ☐ 3 ☐ 2 ☒ 1 ☐ <1 OTHER: ☐ Specify:	
SAMPLED BY: JRA CLIENT SAMPLE IDENTIFICATION SAMPLING DATE/TIME 1. TP-103-30 5/18/07 1530 2. 3. 4. 5. 6. 7. 8. 9. 10.		REQUESTED ANALYSES PAHs X X X X X X X X X		MATRIX (W, S, O) 5 / 1 LOCATION / COMMENTS TA WO ID 01	
RELEASED BY: John Lee PRINT NAME: John Lee DATE: 5/21/07 TIME: 1600		RECEIVED BY: John Lee PRINT NAME: John Lee DATE: 5/22/07 TIME: 1410		FIRM: KJ FIRM: TH-S DATE: 5/21/07 TIME: 1600	
ADDITIONAL REMARKS:		@Lab 1630 w/o		TEMP: 6.5°C PAGE 6.5 OF 6.5	

Note: By relinquishing samples to TestAmerica, client agrees to pay for the services requested on this chain of custody form and for any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice unless otherwise contracted. Sample(s) will be disposed of after 30 days unless otherwise contracted.

May 24, 2007

Ross Dunning
Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

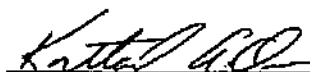
RE: BNSF-Harborview Park

Enclosed are the results of analyses for samples received by the laboratory on 05/22/07 16:30.
The following list is a summary of the Work Orders contained in this report, generated on 05/24/07 16:10.

If you have any questions concerning this report, please feel free to contact me.

<u>Work Order</u>	<u>Project</u>	<u>Project Number</u>
BQE0372	BNSF-Harborview Park	0496017

TestAmerica - Seattle, WA



Kortland Orr For Kate Haney, Project Manager

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Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project Name: **BNSF-Harborview Park**

Project Number: 0496017

Project Manager: Ross Dunning

Report Created:

05/24/07 16:10

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TP-104-31	BQE0372-01	Soil	05/22/07 14:00	05/22/07 16:30
TP-105-29	BQE0372-02	Soil	05/22/07 15:00	05/22/07 16:30

TestAmerica - Seattle, WA



Koriland Ott For Kate Hancy, Project Manager

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Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project Name: **BNSF-Harborview Park**

Project Number: **0496017**

Project Manager: **Ross Dunning**

Report Created:

05/24/07 16:10

Semivolatile Petroleum Products by NWTPH-Dx (w/o Acid/Silica Gel Clean-up)

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQE0372-01 (TP-104-31)		Soil						Sampled: 05/22/07 14:00		
Diesel Range Hydrocarbons	NWTPH-Dx	ND	-----	12.0	mg/kg dry	1x	7E23011	05/23/07 08:44	05/24/07 11:26	
Lube Oil Range Hydrocarbons	"	ND	-----	30.0	"	"	"	"	"	
Surrogate(s): 2-FBP		78.4%		54 - 148 %	"	"			"	
Octacosane		94.9%		62 - 142 %	"	"			"	
BQE0372-02 (TP-105-29)		Soil						Sampled: 05/22/07 15:00		
Diesel Range Hydrocarbons	NWTPH-Dx	ND	-----	11.7	mg/kg dry	1x	7E23011	05/23/07 08:44	05/24/07 11:53	
Lube Oil Range Hydrocarbons	"	ND	-----	29.3	"	"	"	"	"	
Surrogate(s): 2-FBP		75.9%		54 - 148 %	"	"			"	
Octacosane		93.5%		62 - 142 %	"	"			"	

TestAmerica - Seattle, WA

Kathleen Orr

Kortland Orr For Kate Hancy, Project Manager

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Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project Name: **BNSF-Harborview Park**

Project Number: **0496017**

Project Manager: **Ross Dinning**

Report Created:

05/24/07 16:10

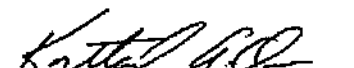
Polynuclear Aromatic Hydrocarbons by GC/MS-SIM

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQE0372-01 (TP-104-31)		Soil		Sampled: 05/22/07 14:00						
Acenaphthene	EPA 8270-SIM	0.168	----	0.0120	mg/kg dry	1x	7E22051	05/22/07 16:30	05/24/07 10:26	
Acenaphthylene	"	ND	----	0.0120	"	"	"	"	"	
Anthracene	"	0.109	----	0.0120	"	"	"	"	"	
Benzo (a) anthracene	"	0.0775	----	0.0120	"	"	"	"	"	
Benzo (a) pyrene	"	0.0168	----	0.0120	"	"	"	"	"	
Benzo (b) fluoranthene	"	0.0216	----	0.0120	"	"	"	"	"	
Benzo (k) fluoranthene	"	0.0232	----	0.0120	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	----	0.0120	"	"	"	"	"	
Chrysene	"	0.0855	----	0.0120	"	"	"	"	"	
Dibenz (a,h) anthracene	"	ND	----	0.0120	"	"	"	"	"	
Fluoranthene	"	0.737	----	0.0120	"	"	"	"	"	
Fluorene	"	0.292	----	0.0120	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	----	0.0120	"	"	"	"	"	
1-Methylnaphthalene	"	0.0160	----	0.0120	"	"	"	"	"	
2-Methylnaphthalene	"	ND	----	0.0120	"	"	"	"	"	
Naphthalene	"	0.0352	----	0.0120	"	"	"	"	"	
Phenanthrene	"	1.06	----	0.0120	"	"	"	"	"	
Pyrene	"	0.380	----	0.0120	"	"	"	"	"	
Surrogate(s): <i>p</i> -Terphenyl-d14		78.2%		50 - 147 %	"					

BQE0372-02 (TP-105-29)		Soil		Sampled: 05/22/07 15:00						
Acenaphthene	EPA 8270-SIM	ND	----	0.0116	mg/kg dry	1x	7E22051	05/22/07 16:30	05/24/07 11:01	
Acenaphthylene	"	ND	----	0.0116	"	"	"	"	"	
Anthracene	"	ND	----	0.0116	"	"	"	"	"	
Benzo (a) anthracene	"	ND	----	0.0116	"	"	"	"	"	
Benzo (a) pyrene	"	ND	----	0.0116	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	----	0.0116	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	----	0.0116	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	----	0.0116	"	"	"	"	"	
Chrysene	"	ND	----	0.0116	"	"	"	"	"	
Dibenz (a,h) anthracene	"	ND	----	0.0116	"	"	"	"	"	
Fluoranthene	"	ND	----	0.0116	"	"	"	"	"	
Fluorene	"	ND	----	0.0116	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	----	0.0116	"	"	"	"	"	
1-Methylnaphthalene	"	ND	----	0.0116	"	"	"	"	"	
2-Methylnaphthalene	"	ND	----	0.0116	"	"	"	"	"	
Naphthalene	"	ND	----	0.0116	"	"	"	"	"	
Phenanthrene	"	ND	----	0.0116	"	"	"	"	"	
Pyrene	"	ND	----	0.0116	"	"	"	"	"	
Surrogate(s): <i>p</i> -Terphenyl-d14		85.8%		50 - 147 %	"					

TestAmerica - Seattle, WA


Kaitie Orr For Kate Hancy, Project Manager

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Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project Name: **BNSF-Harborview Park**

Project Number: **0496017**

Project Manager: **Ross Dunning**

Report Created:

05/24/07 16:10

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes

TestAmerica - Seattle, WA



Korland Orr For Kate Hancy, Project Manager

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Kennedy/Jenks Consultants	Project Name: BNSF-Harborview Park	
32001 32nd Ave S Ste 100	Project Number: 0496017	Report Created:
Federal Way, WA/USA 98001	Project Manager: Ross Dunning	05/24/07 16:10

Physical Parameters by APHA/ASTM/EPA Methods
 TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQE0372-01 (TP-104-31)		Soil					Sampled: 05/22/07 14:00			
Dry Weight	ASOPSPLO03R0 8	83.4	-----	1.00	%	1x	7E23054	05/23/07 17:26	05/24/07 00:00	
BQE0372-02 (TP-105-29)		Soil					Sampled: 05/22/07 15:00			
Dry Weight	ASOPSPLO03R0 8	86.1	-----	1.00	%	1x	7E23054	05/23/07 17:26	05/24/07 00:00	

TestAmerica - Seattle, WA

Kortland Orr

Kortland Orr For Kate Haney, Project Manager

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Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project Name: **BNSF-Harborview Park**

Project Number: **0496017**

Project Manager: **Ross Dunning**

Report Created:

05/24/07 16:10

Semivolatile Petroleum Products by NWTPH-Dx (w/o Acid/Silica Gel Clean-up) - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: **7E23011**

Soil Preparation Method: **EPA 3550B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7E23011-BLK1)										Extracted: 05/23/07 08:44				
Diesel Range Hydrocarbons	NWTPH-Dx	ND	---	10.0	mg/kg wet	1x	--	--	--	--	--	--	05/24/07 00:43	
Lube Oil Range Hydrocarbons	"	ND	---	25.0	"	"	--	--	--	--	--	--	"	
Surrogate(s): 2-FBP		Recovery:	84.4%	Limits:	54-148%	"							05/24/07 00:43	
Octacosane			84.4%		62-142%	"							"	
LCS (7E23011-BS1)										Extracted: 05/23/07 08:44				
Diesel Range Hydrocarbons	NWTPH-Dx	74.4	---	10.0	mg/kg wet	1x	--	66.7	112%	(78-129)	--	--	05/24/07 01:10	
Surrogate(s): 2-FBP		Recovery:	96.0%	Limits:	54-148%	"							05/24/07 01:10	
Octacosane			85.0%		62-142%	"							"	
Duplicate (7E23011-DUP1)										QC Source: BQE0364-03				
										Extracted: 05/23/07 08:44				
Diesel Range Hydrocarbons	NWTPH-Dx	16.5	---	10.1	mg/kg dry	1x	24.3	--	--	--	38.2%	(40)	05/24/07 02:02	
Lube Oil Range Hydrocarbons	"	189	---	25.3	"	"	197	--	--	--	4.15%	"	"	
Surrogate(s): 2-FBP		Recovery:	83.3%	Limits:	54-148%	"							05/24/07 02:02	
Octacosane			101%		62-142%	"							"	
Matrix Spike (7E23011-MS1)										QC Source: BQE0364-03				
										Extracted: 05/23/07 08:44				
Diesel Range Hydrocarbons	NWTPH-Dx	96.0	---	9.97	mg/kg dry	1x	24.3	66.4	108%	(46-155)	--	--	05/24/07 01:36	
Surrogate(s): 2-FBP		Recovery:	101%	Limits:	54-148%	"							05/24/07 01:36	
Octacosane			110%		62-142%	"							"	

TestAmerica - Seattle, WA

Kathleen O'Dell

Konfand OIT For Kate Haney, Project Manager

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Kennedy/Jenks Consultants	Project Name: BNSF-Harborview Park	
32001 32nd Ave S Ste 100	Project Number: 0496017	Report Created:
Federal Way, WA/USA 98001	Project Manager: Ross Dunning	05/24/07 16:10

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM - Laboratory Quality Control Results
 TestAmerica - Seattle, WA

QC Batch: 7E22051	Soil Preparation Method: EPA 3550B

Analyte	Method	Ret/ID	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7E22051-BLK2)										Extracted: 05/22/07 14:42				
Acenaphthene	EPA 8270-SIM1	ND	---	0.0100	mg/kg wet	1x	--	--	--	--	--	--	05/24/07 09:17	
Acenaphthylene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Anthracene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Benzo (a) anthracene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Benzo (a) pyrene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Benzo (b) fluoranthene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Benzo (k) fluoranthene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Benzo (ghi) perylene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Chrysene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Dibenz (a,h) anthracene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Fluoranthene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Fluorene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Indeno (1,2,3-cd) pyrene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
1-Methylnaphthalene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
2-Methylnaphthalene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Phenanthrene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Pyrene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Surrogate(s): p-Terphenyl-d14		Recovery: 100%		Limits: 50-147%		"		05/24/07 09:17						

LCS (7E22051-BS2)										Extracted: 05/22/07 14:42				
Acenaphthene	EPA 8270-SIM1	0.544	---	0.0100	mg/kg wet	1x	--	0.667	81.6%	(70-125)	--	--	05/24/07 09:51	
Acenaphthylene	"	0.569	---	0.0100	"	"	--	"	85.3%	(70-133)	--	--	"	
Anthracene	"	0.590	---	0.0100	"	"	--	"	88.5%	(70-152)	--	--	"	
Benzo (a) anthracene	"	0.501	---	0.0100	"	"	--	"	75.1%	(60-125)	--	--	"	
Benzo (a) pyrene	"	0.581	---	0.0100	"	"	--	"	87.1%	(64-134)	--	--	"	
Benzo (b) fluoranthene	"	0.493	---	0.0100	"	"	--	"	73.9%	(62-147)	--	--	"	
Benzo (k) fluoranthene	"	0.611	---	0.0100	"	"	--	"	91.6%	(60-144)	--	--	"	
Benzo (ghi) perylene	"	0.574	---	0.0100	"	"	--	"	86.1%	(57-137)	--	--	"	
Chrysene	"	0.577	---	0.0100	"	"	--	"	86.5%	(70-139)	--	--	"	
Dibenz (a,h) anthracene	"	0.517	---	0.0100	"	"	--	"	77.5%	(56-140)	--	--	"	
Fluoranthene	"	0.579	---	0.0100	"	"	--	"	86.8%	(70-141)	--	--	"	
Fluorene	"	0.549	---	0.0100	"	"	--	"	82.3%	(76-132)	--	--	"	
Indeno (1,2,3-cd) pyrene	"	0.511	---	0.0100	"	"	--	"	76.6%	(55-138)	--	--	"	
1-Methylnaphthalene	"	0.483	---	0.0100	"	"	--	"	72.4%	(46-128)	--	--	"	
2-Methylnaphthalene	"	0.491	---	0.0100	"	"	--	"	73.6%	(41-125)	--	--	"	
Naphthalene	"	0.491	---	0.0100	"	"	--	"	73.6%	(43-125)	--	--	"	
Phenanthrene	"	0.515	---	0.0100	"	"	--	"	77.2%	(73-125)	--	--	"	

TestAmerica - Seattle, WA

Kortland Orr

Kortland Orr For Kate Haney, Project Manager

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Kennedy/Jenks Consultants	Project Name: BNSF-Harborview Park	
32001 32nd Ave S Ste 100	Project Number: 0496017	Report Created:
Federal Way, WA/USA 98001	Project Manager: Ross Dunning	05/24/07 16:10

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM - Laboratory Quality Control Results
 TestAmerica - Seattle, WA

QC Batch: 7E22051	Soil Preparation Method: EPA 3550B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes

LCS (7E22051-BS2)										Extracted: 05/22/07 14:42				
Pyrene	EPA 8270-SIM	0.470	---	0.0100	mg/kg wet	1x	--	0.667	70.5%	(68-140)	--	--	05/24/07 09:51	
Surrogate(s): p-Terphenyl-d14		Recovery: 76.3%		Limits: 50-147%		"		05/24/07 09:51						

Matrix Spike (7E22051-MS2)										QC Source: BQE0373-01				
										Extracted: 05/22/07 14:42				
Acenaphthene	EPA 8270-SIM	0.606	---	0.0109	mg/kg dry	1x	0.00947	0.729	81.8%	(67-132)	--	--	05/24/07 12:11	
Acenaphthylene	"	0.627	---	0.0109	"	"	ND	"	86.0%	(65-142)	--	--	"	
Anthracene	"	0.674	---	0.0109	"	"	0.0146	"	90.5%	(66-158)	--	--	"	
Benzo (a) anthracene	"	0.582	---	0.0109	"	"	0.0153	"	77.7%	(41-156)	--	--	"	
Benzo (a) pyrene	"	0.676	---	0.0109	"	"	0.00364	"	92.2%	(52-148)	--	--	"	
Benzo (b) fluoranthene	"	0.570	---	0.0109	"	"	0.00510	"	77.5%	(53-151)	--	--	"	
Benzo (k) fluoranthene	"	0.670	---	0.0109	"	"	0.00510	"	91.2%	(46-161)	--	--	"	
Benzo (ghi) perylene	"	0.691	---	0.0109	"	"	ND	"	94.8%	(26-154)	--	--	"	
Chrysene	"	0.667	---	0.0109	"	"	0.0182	"	89.0%	(55-155)	--	--	"	
Dibenz [a,h] anthracene	"	0.601	---	0.0109	"	"	ND	"	82.4%	(27-157)	--	--	"	
Fluoranthene	"	0.772	---	0.0109	"	"	0.120	"	89.4%	(46-172)	--	--	"	
Fluorene	"	0.654	---	0.0109	"	"	0.0219	"	86.7%	(66-143)	--	--	"	
Indeno (1,2,3-cd) pyrene	"	0.597	---	0.0109	"	"	ND	"	81.9%	(24-159)	--	--	"	
1-Methylnaphthalene	"	0.508	---	0.0109	"	"	ND	"	69.7%	(39-140)	--	--	"	
2-Methylnaphthalene	"	0.514	---	0.0109	"	"	ND	"	70.5%	(32-139)	--	--	"	
Naphthalene	"	0.509	---	0.0109	"	"	ND	"	69.8%	(38-134)	--	--	"	
Phenanthrene	"	0.676	---	0.0109	"	"	0.0903	"	80.3%	(63-139)	--	--	"	
Pyrene	"	0.604	---	0.0109	"	"	0.0634	"	74.2%	(51-172)	--	--	"	
Surrogate(s): p-Terphenyl-d14		Recovery: 80.8%		Limits: 50-147%		"		05/24/07 12:11						

Matrix Spike Dup (7E22051-MSD2)										QC Source: BQE0373-01				
										Extracted: 05/22/07 14:41				
Acenaphthene	EPA 8270-SIM	0.709	---	0.0109	mg/kg dry	1x	0.00947	0.729	96.0%	(67-132)	15.7%	(50)	05/24/07 12:46	
Acenaphthylene	"	0.732	---	0.0109	"	"	ND	"	100%	(65-142)	15.5%	"	"	
Anthracene	"	0.809	---	0.0109	"	"	0.0146	"	109%	(66-158)	18.2%	"	"	
Benzo (a) anthracene	"	0.693	---	0.0109	"	"	0.0153	"	93.0%	(41-156)	17.4%	"	"	
Benzo (a) pyrene	"	0.781	---	0.0109	"	"	0.00364	"	107%	(52-148)	14.4%	"	"	
Benzo (b) fluoranthene	"	0.654	---	0.0109	"	"	0.00510	"	89.0%	(53-151)	13.7%	"	"	
Benzo (k) fluoranthene	"	0.637	---	0.0109	"	"	0.00510	"	86.7%	(46-161)	5.05%	"	"	
Benzo (ghi) perylene	"	0.795	---	0.0109	"	"	ND	"	109%	(26-154)	14.0%	"	"	
Chrysene	"	0.786	---	0.0109	"	"	0.0182	"	105%	(55-155)	16.4%	(44)	"	
Dibenz [a,h] anthracene	"	0.689	---	0.0109	"	"	ND	"	94.5%	(27-157)	13.6%	(50)	"	
Fluoranthene	"	0.986	---	0.0109	"	"	0.120	"	119%	(46-172)	24.3%	"	"	
Fluorene	"	0.766	---	0.0109	"	"	0.0219	"	102%	(66-143)	15.8%	(52)	"	
Indeno (1,2,3-cd) pyrene	"	0.685	---	0.0109	"	"	ND	"	94.0%	(24-159)	13.7%	(43)	"	

TestAmerica - Seattle, WA


 Kortland Orr For Kate Hancy, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report shall not be reproduced except in full, without the written approval of the laboratory.



Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project Name: **BNSF-Harborview Park**

Project Number: **0496017**

Project Manager: **Ross Dunning**

Report Created:

05/24/07 16:10

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: **7E22051**

Soil Preparation Method: **EPA 3550B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(L(mLts)	% RPD	(Limits)	Analyzed	Notes
Matrix Spike Dup (7E22051-MSD2)				QC Source: BQE0373-01				Extracted: 05/22/07 14:42						
1-Methylnaphthalene	EPA 8270-SIM	0.594	---	0.0109	mg/kg dry	1x	ND	0.729	81.5%	(39-140)	15.6%	(50)	05/24/07 12:46	
2-Methylnaphthalene	"	0.596	---	0.0109	"	"	ND	"	81.8%	(32-139)	14.8%	"	"	
Naphthalene	"	0.584	---	0.0109	"	"	ND	"	80.1%	(38-134)	13.7%	"	"	
Phenanthrene	"	0.852	---	0.0109	"	"	0.0903	"	104%	(63-139)	23.0%	"	"	
Pyrene	"	0.748	---	0.0109	"	"	0.0634	"	93.9%	(51-172)	21.3%	"	"	

Surrogate(s): *p-Terphenyl-d14*

Recovery: **95.6%**

Limits: **50-147%**

05/24/07 12:46

TestAmerica - Seattle, WA

Kordland Orr For Kate Hancy, Project Manager

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Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project Name: **BNSF-Harborview Park**

Project Number: **0496017**

Project Manager: **Ross Dunning**

Report Created:

05/24/07 16:10

Physical Parameters by APHA/ASTM/EPA Methods - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: **7E23054**

Soil Preparation Method: **Dry Weight**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7E23054-BLK1)										Extracted: 05/23/07 17:26				
Dry Weight	BSOPSPLO0 3R08	100	---	1.00	%	1x	--	--	--	--	--	--	05/24/07 00:00	

TestAmerica - Seattle, WA



Kortland Orr For Kauc Haney, Project Manager

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Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project Name: **BNSF-Harborview Park**

Project Number: 0496017

Project Manager: Ross Dunning

Report Created:

05/24/07 16:10

Notes and Definitions

Report Specific Notes:

None

Laboratory Reporting Conventions:

- DET - Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only.
- ND - Analyte NOT DETECTED at or above the reporting limit (MDL or MRL, as appropriate).
- NR/NA - Not Reported / Not Available
- dry - Sample results reported on a Dry Weight Basis. Results and Reporting Limits have been corrected for Percent Dry Weight.
- wet - Sample results and reporting limits reported on a Wet Weight Basis (as received). Results with neither 'wet' nor 'dry' are reported on a Wet Weight Basis.
- RPD - RELATIVE PERCENT DIFFERENCE (RPDs calculated using Results, not Percent Recoveries).
- MRL - METHOD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.
- MDL* - METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B.
*MDLs are listed on the report only if the data has been evaluated below the MRL. Results between the MDL and MRL are reported as Estimated Results.
- Dil - Dilutions are calculated based on deviations from the standard dilution performed for an analysis, and may not represent the dilution found on the analytical raw data.
- Reporting Limits - Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and percent solids, where applicable.
- Electronic Signature - Electronic Signature added in accordance with TestAmerica's *Electronic Reporting and Electronic Signatures Policy*.
Application of electronic signature indicates that the report has been reviewed and approved for release by the laboratory.
Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

TestAmerica - Seattle, WA



Kortland Orr For Kate Haney, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report shall not be reproduced except in full, without the written approval of the laboratory.



11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244
 11922 E. First Ave, Spokane, WA 99206-5302
 9405 SW Nimbus Ave, Beaverton, OR 97008-7145
 2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119

425-420-9200 FAX 420-9210
 509-924-9200 FAX 924-9290
 503-906-9200 FAX 906-9210
 907-563-9200 FAX 563-9210

CHAIN OF CUSTODY REPORT

Work Order # **BQE0372**

INVOICE TO: **BNSF**

REPORT TO: **Ross Dunning**

ADDRESS: **32001 32nd Ave. S. Suite 100**

Federal Way, WA 98001

PHONE: **253-874-0555** FAX: **253-957-3435**

PROJECT NAME: **BNSF Harborview**

PROJECT NUMBER: **0416017**

SAMPLED BY: **T.H.P.**

CLIENT SAMPLE IDENTIFICATION

SAMPLING DATE/TIME

TP-104-31 5/22/07 14:00 X

TP-105-29 5/22/07 15:00 X

TP-106-30 5/22/07 16:00 X

TP-107-31 5/22/07 17:00 X

TP-108-32 5/22/07 18:00 X

TP-109-33 5/22/07 19:00 X

TP-110-34 5/22/07 20:00 X

TP-111-35 5/22/07 21:00 X

TP-112-36 5/22/07 22:00 X

TP-113-37 5/22/07 23:00 X

TP-114-38 5/22/07 24:00 X

TP-115-39 5/22/07 25:00 X

TP-116-40 5/22/07 26:00 X

TP-117-41 5/22/07 27:00 X

TP-118-42 5/22/07 28:00 X

TP-119-43 5/22/07 29:00 X

TP-120-44 5/22/07 30:00 X

TP-121-45 5/22/07 31:00 X

TP-122-46 5/22/07 32:00 X

TP-123-47 5/22/07 33:00 X

TP-124-48 5/22/07 34:00 X

TP-125-49 5/22/07 35:00 X

TP-126-50 5/22/07 36:00 X

TP-127-51 5/22/07 37:00 X

TP-128-52 5/22/07 38:00 X

TP-129-53 5/22/07 39:00 X

TP-130-54 5/22/07 40:00 X

TP-131-55 5/22/07 41:00 X

TP-132-56 5/22/07 42:00 X

TP-133-57 5/22/07 43:00 X

TP-134-58 5/22/07 44:00 X

TP-135-59 5/22/07 45:00 X

TP-136-60 5/22/07 46:00 X

TP-137-61 5/22/07 47:00 X

TP-138-62 5/22/07 48:00 X

TP-139-63 5/22/07 49:00 X

TP-140-64 5/22/07 50:00 X

TP-141-65 5/22/07 51:00 X

TP-142-66 5/22/07 52:00 X

TP-143-67 5/22/07 53:00 X

TP-144-68 5/22/07 54:00 X

TP-145-69 5/22/07 55:00 X

TP-146-70 5/22/07 56:00 X

TP-147-71 5/22/07 57:00 X

TP-148-72 5/22/07 58:00 X

TP-149-73 5/22/07 59:00 X

TP-150-74 5/22/07 60:00 X

TP-151-75 5/22/07 61:00 X

TP-152-76 5/22/07 62:00 X

TP-153-77 5/22/07 63:00 X

TP-154-78 5/22/07 64:00 X

TP-155-79 5/22/07 65:00 X

TP-156-80 5/22/07 66:00 X

TP-157-81 5/22/07 67:00 X

TP-158-82 5/22/07 68:00 X

TP-159-83 5/22/07 69:00 X

TP-160-84 5/22/07 70:00 X

TP-161-85 5/22/07 71:00 X

TP-162-86 5/22/07 72:00 X

TP-163-87 5/22/07 73:00 X

TP-164-88 5/22/07 74:00 X

TP-165-89 5/22/07 75:00 X

TP-166-90 5/22/07 76:00 X

TP-167-91 5/22/07 77:00 X

TP-168-92 5/22/07 78:00 X

TP-169-93 5/22/07 79:00 X

TP-170-94 5/22/07 80:00 X

TP-171-95 5/22/07 81:00 X

TP-172-96 5/22/07 82:00 X

TP-173-97 5/22/07 83:00 X

TP-174-98 5/22/07 84:00 X

TP-175-99 5/22/07 85:00 X

TP-176-100 5/22/07 86:00 X

TP-177-101 5/22/07 87:00 X

TP-178-102 5/22/07 88:00 X

TP-179-103 5/22/07 89:00 X

TP-180-104 5/22/07 90:00 X

TP-181-105 5/22/07 91:00 X

TP-182-106 5/22/07 92:00 X

TP-183-107 5/22/07 93:00 X

TP-184-108 5/22/07 94:00 X

TP-185-109 5/22/07 95:00 X

TP-186-110 5/22/07 96:00 X

TP-187-111 5/22/07 97:00 X

TP-188-112 5/22/07 98:00 X

TP-189-113 5/22/07 99:00 X

TP-190-114 5/22/07 100:00 X

TP-191-115 5/22/07 101:00 X

TP-192-116 5/22/07 102:00 X

TP-193-117 5/22/07 103:00 X

TP-194-118 5/22/07 104:00 X

TP-195-119 5/22/07 105:00 X

TP-196-120 5/22/07 106:00 X

TP-197-121 5/22/07 107:00 X

TP-198-122 5/22/07 108:00 X

TP-199-123 5/22/07 109:00 X

TP-200-124 5/22/07 110:00 X

TP-201-125 5/22/07 111:00 X

TP-202-126 5/22/07 112:00 X

TP-203-127 5/22/07 113:00 X

TP-204-128 5/22/07 114:00 X

TP-205-129 5/22/07 115:00 X

TP-206-130 5/22/07 116:00 X

TP-207-131 5/22/07 117:00 X

TP-208-132 5/22/07 118:00 X

TP-209-133 5/22/07 119:00 X

TP-210-134 5/22/07 120:00 X

TP-211-135 5/22/07 121:00 X

TP-212-136 5/22/07 122:00 X

TP-213-137 5/22/07 123:00 X

TP-214-138 5/22/07 124:00 X

TP-215-139 5/22/07 125:00 X

TP-216-140 5/22/07 126:00 X

TP-217-141 5/22/07 127:00 X

TP-218-142 5/22/07 128:00 X

TP-219-143 5/22/07 129:00 X

TP-220-144 5/22/07 130:00 X

TP-221-145 5/22/07 131:00 X

TP-222-146 5/22/07 132:00 X

TP-223-147 5/22/07 133:00 X

TP-224-148 5/22/07 134:00 X

TP-225-149 5/22/07 135:00 X

TP-226-150 5/22/07 136:00 X

TP-227-151 5/22/07 137:00 X

TP-228-152 5/22/07 138:00 X

TP-229-153 5/22/07 139:00 X

TP-230-154 5/22/07 140:00 X

TP-231-155 5/22/07 141:00 X

TP-232-156 5/22/07 142:00 X

TP-233-157 5/22/07 143:00 X

TP-234-158 5/22/07 144:00 X

TP-235-159 5/22/07 145:00 X

TP-236-160 5/22/07 146:00 X

TP-237-161 5/22/07 147:00 X

TP-238-162 5/22/07 148:00 X

TP-239-163 5/22/07 149:00 X

TP-240-164 5/22/07 150:00 X

TP-241-165 5/22/07 151:00 X

TP-242-166 5/22/07 152:00 X

TP-243-167 5/22/07 153:00 X

TP-244-168 5/22/07 154:00 X

TP-245-169 5/22/07 155:00 X

TP-246-170 5/22/07 156:00 X

TP-247-171 5/22/07 157:00 X

TP-248-172 5/22/07 158:00 X

TP-249-173 5/22/07 159:00 X

TP-250-174 5/22/07 160:00 X

TP-251-175 5/22/07 161:00 X

TP-252-176 5/22/07 162:00 X

TP-253-177 5/22/07 163:00 X

TP-254-178 5/22/07 164:00 X

TP-255-179 5/22/07 165:00 X

TP-256-180 5/22/07 166:00 X

TP-257-181 5/22/07 167:00 X

TP-258-182 5/22/07 168:00 X

TP-259-183 5/22/07 169:00 X

TP-260-184 5/22/07 170:00 X

TP-261-185 5/22/07 171:00 X

TP-262-186 5/22/07 172:00 X

TP-263-187 5/22/07 173:00 X

TP-264-188 5/22/07 174:00 X

TP-265-189 5/22/07 175:00 X

TP-266-190 5/22/07 176:00 X

TP-267-191 5/22/07 177:00 X

TP-268-192 5/22/07 178:00 X

TP-269-193 5/22/07 179:00 X

TP-270-194 5/22/07 180:00 X

TP-271-195 5/22/07 181:00 X

TP-272-196 5/22/07 182:00 X

TP-273-197 5/22/07 183:00 X

TP-274-198 5/22/07 184:00 X

TP-275-199 5/22/07 185:00 X

TP-276-200 5/22/07 186:00 X

TP-277-201 5/22/07 187:00 X

TP-278-202 5/22/07 188:00 X

TP-279-203 5/22/07 189:00 X

TP-280-204 5/22/07 190:00 X

TP-281-205 5/22/07 191:00 X

TP-282-206 5/22/07 192:00 X

TP-283-207 5/22/07 193:00 X

TP-284-208 5/22/07 194:00 X

TP-285-209 5/22/07 195:00 X

TP-286-210 5/22/07 196:00 X

TP-287-211 5/22/07 197:00 X

TP-288-212 5/22/07 198:00 X

TP-289-213 5/22/07 199:00 X

TP-290-214 5/22/07 200:00 X

TP-291-215 5/22/07 201:00 X

TP-292-216 5/22/07 202:00 X

TP-293-217 5/22/07 203:00 X

TP-294-218 5/22/07 204:00 X

TP-295-219 5/22/07 205:00 X

TP-296-220 5/22/07 206:00 X

TP-297-221 5/22/07 207:00 X

TP-298-222 5/22/07 208:00 X

TP-299-223 5/22/07 209:00 X

TP-300-224 5/22/07 210:00 X

TP-301-225 5/22/07 211:00 X

TP-302-226 5/22/07 212:00 X

TP-303-227 5/22/07 213:00 X

TP-304-228 5/22/07 214:00 X

TP-305-229 5/22/07 215:00 X

TP-306-230 5/22/07 216:00 X

TP-307-231 5/22/07 217:00 X

TP-308-232 5/22/07 218:00 X

TP-309-233 5/22/07 219:00 X

TP-310-234 5/22/07 220:00 X

TP-311-235 5/22/07 221:00 X

TP-312-236 5/22/07 222:00 X

TP-313-237 5/22/07 223:00 X

TP-314-238 5/22/07 224:00 X

TP-315-239 5/22/07 225:00 X

TP-316-240 5/22/07 226:00 X

TP-317-241 5/22/07 227:00 X

TP-318-242 5/22/07 228:00 X

TP-319-243 5/22/07 229:00 X

TP-320-244 5/22/07 230:00 X

TP-321-245 5/22/07 231:00 X

TP-322-246 5/22/07 232:00 X

TP-323-247 5/22/07 233:00 X

TP-324-248 5/22/07 234:00 X

TP-325-249 5/22/07 235:00 X

TP-326-250 5/22/07 236:00 X

TP-327-251 5/22/07 237:00 X

TP-328-252 5/22/07 238:00 X

TP-329-253 5/22/07 239:00 X

TP-330-254 5/22/07 240:00 X

TP-331-255 5/22/07 241:00 X

TP-332-256 5/22/07 242:00 X

TP-333-257 5/22/07 243:00 X

TP-334-258 5/22/07 244:00 X

TP-335-259 5/22/07 245:00 X

TP-336-260 5/22/07 246:00 X

TP-337-261 5/22/07 247:00 X

TP-338-262 5/22/07 248:00 X

TP-339-263 5/22/07 249:00 X

TP-340-264 5/22/07 250:00 X

TP-341-265 5/22/07 251:00 X

TP-342-266 5/22/07 252:00 X

TP-343-267 5/22/07 253:00 X

TP-344-268 5/22/07 254:00 X

TP-345-269 5/22/07 255:00 X

TP-346-270 5/22/07 256:00 X

TP-347-271 5/22/07 257:00 X

TP-348-272 5/22/07 258:00 X

TP-349-273 5/22/07 259:00 X

TP-350-274 5/22/07 260:00 X

TP-351-275 5/22/07 261:00 X

TP-352-276 5/22/07 262:00 X

TP-353-277 5/22/07 263:00 X

TP-354-278 5/22/07 264:00 X

TP-355-279 5/22/07 265:00 X

TP-356-280 5/22/07 266:00 X

TP-357-281 5/22/07 267:00 X

TP-358-282 5/22/07 268:00 X

TP-359-283 5/22/07 269:00 X

TP-360-284 5/22/07 270:00 X

TP-361-285 5/22/07 271:00 X

TP-362-286 5/22/07 272:00 X

TP-363-287 5/22/07 273:00 X

TP-364-288 5/22/07 274:00 X

TP-365-289 5/22/07 275:00 X

TP-366-290 5/22/07 276:00 X

TP-367-291 5/22/07 277:00 X

TP-368-292 5/22/07 278:00 X

TP-369-293 5/22/07 279:00 X

TP-370-294 5/22/07 280:00 X

TP-371-295 5/22/07 281:00 X

TP-372-296 5/22/07 282:00 X

TP-373-297 5/22/07 283:00 X

TP-374-298 5/22/07 284:00 X

TP-375-299 5/22/07 285:00 X

TP-376-300 5/22/07 286:00 X

TP-377-301 5/22/07 287:00 X

TP-378-302 5/22/07 288:00 X

TP-379-303 5/22/07 289:00 X

TP-380-304 5/22/07 290:00 X

TP-381-305 5/22/07 291:00 X

TP-382-306 5/22/07 292:00 X

TP-383-307 5/22/07 293:00 X

TP-384-308 5/22/07 294:00 X

TP-385-309 5/22/07 295:00 X

TP-386-310 5/22/07 296:00 X

TP-387-311 5/22/07 297:00 X

TP-388-312 5/22/07 298:00 X

TP-389-313 5/22/07 299:00 X

TP-390-314 5/22/07 300:00 X

TP-391-315 5/22/07 301:00 X

TP-392-316 5/22/07 302:00 X

TP-393-317 5/22/07 303:00 X

TP-394-318 5/22/07 304:00 X

TP-395-319 5/22/07 305:00 X

TP-396-320 5/22/07 306:00 X

TP-397-321 5/22/07 307:00 X

TP-398-322 5/22/07 308:00 X

TP-399-323 5/22/07 309:00 X

TP-400-324 5/22/07 310:00 X

TP-401-325 5/22/07 311:00 X

TP-402-326 5/22/07 312:00 X

TP-403-327 5/22/07 313:00 X

TP-404-328 5/22/07 314:00 X

TP-405-329 5/22/07 315:00 X

TP-406-330 5/22/07 316:00 X

TP-407-331 5/22/07 317:00 X

TP-408-332 5/22/07 318:00 X

TP-409-333 5/22/07 319:00 X

TP-410-334 5/22/07 320:00 X

TP-411-335 5/22/07 321:00 X

TP-412-336 5/22/07 322:00 X

TP-413-337 5/22/07 323:00 X

TP-414-338 5/22/07 324:00 X

TP-415-339 5/22/07 325:00 X

TP-416-340 5/22/07 326:00 X

TP-417-341 5/22/07 327:00 X

TP-418-342 5/22/07 328:00 X

TP-419-343 5/22/07 329:00 X

TP-420-344 5/22/07 330:00 X

TP-421-345 5/22/07 331:00 X

TP-422-346 5/22/07 332:00 X

TP-423-347 5/22/07 333:00 X

TP-424-348 5/22/07 334:00 X

TP-425-349 5/22/07 335:00 X

TP-426-350 5/22/07 336:00 X

TP-427-351 5/22/07 337:00 X

TP-428-352 5/22/07 338:00 X

TP-429-353 5/22/07 339:00 X

TP-430-354 5/22/07 340:00 X

TP-431-355 5/22/07 341:00 X

TP-432-356 5/22/07 342:00 X

TP-433-357 5/22/07 343:00 X

TP-434-358 5/22/07 344:00 X

TP-435-359 5/22/07 345:00 X

TP-436-360 5/22/07 346:00 X

TP-437-361 5/22/07 347:00 X

TP-438-362 5/22/07 348:00 X

TP-439-363 5/22/07 349:00 X

TP-440-364 5/22/07 350:00 X

TP-441-365 5/22/07 351:00 X

TP-442-366 5/22/07 352:00 X

TP-443-367 5/22/07 353:00 X

TP-444-368 5/22/07 354:00 X

TP-445-369 5/22/07 355:00 X

TP-446-370 5/22/07 356:00 X

TP-447-371 5/22/07 357:00 X

TP-448-372 5/22/07 358:00 X

TP-449-373 5/22/07 359:00 X

TP-450-374 5/22/07 360:00 X

TP-451-375 5/22/07 361:00 X

TP-452-376 5/22/07 362:00 X

TP-453-377 5/22/07 363:00 X

TP-454-378 5/22/07 364:00 X

TP-455-379 5/22/07 365:00 X

TP-456-380 5/22/07 366:00 X

TP-457-381 5/22/07 367:00 X

TP-458-382 5/22/07 368:00 X

TP-459-383 5/22/07 369:00 X

TP-460-384 5/22/07 370:00 X

TP-461-385 5/22/07 371:00 X

TP-462-386 5/22/07 372:00 X

TP-463-387 5/22/07 373:00 X

TP-464-388 5/22/07 374:00 X

TP-465-389 5/22/07 375:00 X

TP-466-390 5/22/07 376:00 X

TP-467-391 5/22/07 377:00 X

TP-468-392 5/22/07 378:00 X

TP-469-393 5/22/07 379:00 X

TP-470-394 5/22/07 380:00 X

TP-471-395 5/22/07 381:00 X

TP-472-396 5/22/07 382:00 X

TP-473-397 5/22/07 383:00 X

TP-474-398 5/22/07 384:00 X

TP-475-399 5/22/07 385:00 X

TP-476-400 5/22/07 386:00 X

TP-477-401 5/22/07 387:00 X

TP-478-402 5/22/07 388:00 X

TP-479-403 5/22/07 389:00 X

TP-480-404 5/22/07 390:00 X

TP-481-405 5/22/07 391:00 X

TP-482-406 5/22/07 392:00 X

TP-483-407 5/22/07 393:00 X

TP-484-408 5/22/07 394:00 X

TP-485-409 5/22/07 395:00 X

TP-486-410 5/22/07 396:00 X

TP-487-411 5/22

March 09, 2007

Ross Dunning
Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

RE: Harborview

Enclosed are the results of analyses for samples received by the laboratory on 03/08/07 17:10.
The following list is a summary of the Work Orders contained in this report, generated on 03/09/07 17:29.

If you have any questions concerning this report, please feel free to contact me.

<u>Work Order</u>	<u>Project</u>	<u>Project Number</u>
BQC0150	Harborview	[none]

TestAmerica - Seattle, WA

Kate Haney

Kate Haney, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report shall not be reproduced except in full, without the written approval of the laboratory.



Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project Name: **Harborview**

Project Number: [none]

Project Manager: Ross Dunning

Report Created:

03/09/07 17:29

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
M-2	BQC0150-01	Soil	03/08/07 08:45	03/08/07 17:10
L-2	BQC0150-02	Soil	03/08/07 08:50	03/08/07 17:10
E-5	BQC0150-03	Soil	03/08/07 11:10	03/08/07 17:10
H-5	BQC0150-04	Soil	03/08/07 13:50	03/08/07 17:10
NFMSP-1	BQC0150-05	Soil	03/08/07 14:00	03/08/07 17:10
G-5	BQC0150-06	Soil	03/08/07 14:30	03/08/07 17:10
F-5	BQC0150-07	Soil	03/08/07 14:50	03/08/07 17:10

TestAmerica - Seattle, WA

Kate Dunning

Kate Hancy, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report shall not be reproduced except in full, without the written approval of the laboratory.



Kennedy/Jenks Consultants	Project Name: Harborview	Report Created:
32001 32nd Ave S Ste 100	Project Number: [none]	03/09/07 17:29
Federal Way, WA/USA 98001	Project Manager: Ross Dunning	

Total Metals by EPA 6000/7000 Series Methods
 TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQC0150-01 (M-2)		Soil								Sampled: 03/08/07 08:45
Arsenic	EPA 6020	2.32	---	0.544	mg/kg dry	1x	7C09009	03/09/07 08:53	03/09/07 16:13	
BQC0150-02 (L-2)		Soil								Sampled: 03/08/07 08:50
Arsenic	EPA 6020	1.70	---	0.546	mg/kg dry	1x	7C09009	03/09/07 08:53	03/09/07 16:19	
BQC0150-03 (E-5)		Soil								Sampled: 03/08/07 11:10
Arsenic	EPA 6020	1.61	---	0.577	mg/kg dry	1x	7C09009	03/09/07 08:53	03/09/07 16:25	
BQC0150-04 (H-5)		Soil								Sampled: 03/08/07 13:50
Arsenic	EPA 6020	2.38	---	0.603	mg/kg dry	1x	7C09009	03/09/07 08:53	03/09/07 16:31	
BQC0150-05 (NFMSP-1)		Soil								Sampled: 03/08/07 14:00
Arsenic	EPA 6020	5.86	---	0.528	mg/kg dry	1x	7C09009	03/09/07 08:53	03/09/07 16:49	
BQC0150-06 (G-5)		Soil								Sampled: 03/08/07 14:30
Arsenic	EPA 6020	2.67	---	0.442	mg/kg dry	1x	7C09009	03/09/07 08:53	03/09/07 16:55	
BQC0150-07 (F-5)		Soil								Sampled: 03/08/07 14:50
Arsenic	EPA 6020	2.34	---	0.585	mg/kg dry	1x	7C09009	03/09/07 08:53	03/09/07 17:01	

TestAmerica - Seattle, WA

Kate Haney

Kate Haney, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report shall not be reproduced except in full, without the written approval of the laboratory.



Kennedy/Jenks Consultants
 32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project Name: Harborview
 Project Number: [none]
 Project Manager: Ross Dunning

Report Created:
 03/09/07 17:29

Physical Parameters by APHA/ASTM/EPA Methods

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQC0150-01 (M-2)		Soil								Sampled: 03/08/07 08:45
Dry Weight	BSOPSPLO03R0 8	91.9	---	1.00	%	1x	7C08045	03/08/07 17:24	03/09/07 00:00	
BQC0150-02 (L-2)		Soil								Sampled: 03/08/07 08:50
Dry Weight	BSOPSPLO03R0 8	93.5	---	1.00	%	1x	7C08045	03/08/07 17:24	03/09/07 00:00	
BQC0150-03 (E-5)		Soil								Sampled: 03/08/07 11:10
Dry Weight	BSOPSPLO03R0 8	86.6	---	1.00	%	1x	7C08045	03/08/07 17:24	03/09/07 00:00	
BQC0150-04 (H-5)		Soil								Sampled: 03/08/07 13:50
Dry Weight	BSOPSPLO03R0 8	84.6	----	1.00	%	1x	7C08045	03/08/07 17:24	03/09/07 00:00	
BQC0150-05 (NFMSP-1)		Soil								Sampled: 03/08/07 14:00
Dry Weight	BSOPSPLO03R0 8	95.6	---	1.00	%	1x	7C08045	03/08/07 17:24	03/09/07 00:00	
BQC0150-06 (G-5)		Soil								Sampled: 03/08/07 14:30
Dry Weight	BSOPSPLO03R0 8	78.6	---	1.00	%	1x	7C08045	03/08/07 17:24	03/09/07 00:00	
BQC0150-07 (F-5)		Soil								Sampled: 03/08/07 14:50
Dry Weight	BSOPSPLO03R0 8	86.4	----	1.00	%	1x	7C08045	03/08/07 17:24	03/09/07 00:00	

TestAmerica - Seattle, WA

Kate Dunning

Kate Dunning, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report shall not be reproduced except in full, without the written approval of the laboratory.



Kennedy/Jenks Consultants 32001 32nd Ave S Ste 100 Federal Way, WA/USA 98001	Project Name: Harborview Project Number: [none] Project Manager: Ross Dunning	Report Created: 03/09/07 17:29

Total Metals by EPA 6000/7000 Series Methods - Laboratory Quality Control Results
 TestAmerica - Seattle, WA

QC Batch: 7C09009	Soil Preparation Method: EPA 3050B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7C09009-BLKt)							Extracted: 03/09/07 08:53							
Arsenic	EPA 6020	ND	---	0.500	mg/kg wet	1x	--	--	--	--	--	--	03/09/07 15:44	
LCS (7C09009-BS1)							Extracted: 03/09/07 08:53							
Arsenic	EPA 6020	40.1	---	0.500	mg/kg wet	1x	--	40.0	100%	(80-120)	--	--	03/09/07 15:50	
Duplicate (7C09009-DUP1)				QC Source: BQC0150-01				Extracted: 03/09/07 08:53						
Arsenic	EPA 6020	2.33	---	0.495	mg/kg dry	1x	2.32	--	--	--	0.430% (30)		03/09/07 16:02	
Matrix Spike (7C09009-MS1)				QC Source: BQC0150-01				Extracted: 03/09/07 08:53						
Arsenic	EPA 6020	45.2	---	0.544	mg/kg dry	1x	2.32	43.5	98.6%	(57-125)	--	--	03/09/07 15:56	
Post Spike (7C09009-PS1)				QC Source: BQC0150-01				Extracted: 03/09/07 08:53						
Arsenic	EPA 6020	0.105	---		ug/ml	1x	0.00427	0.100	101%	(75-125)	--	--	03/09/07 16:08	

TestAmerica - Seattle, WA

Kate Dunning

Kate Hancy, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report shall not be reproduced except in full, without the written approval of the laboratory.



Kennedy/Jenks Consultants	Project Name:	Harborview	
32001 32nd Ave S Ste 100	Project Number:	[none]	Report Created:
Federal Way, WA/USA 98001	Project Manager:	Ross Dunning	03/09/07 17:29

Physical Parameters by APHA/ASTM/EPA Methods - Laboratory Quality Control Results
 TestAmerica - Seattle, WA

QC Batch: 7C08045 **Soil Preparation Method:** Dry Weight

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7C08045-BLKI)										Extracted: 03/08/07 17:24				
Dry Weight	ASOP5100 3R08	100	---	1.00	%	1x	---	---	---	---	---	---	03/09/07 00:00	

TestAmerica - Seattle, WA

Kate Dunning

Kate Hancy, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report shall not be reproduced except in full, without the written approval of the laboratory.



Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project Name: **Harborview**

Project Number: [none]

Project Manager: Ross Dunning

Report Created:

03/09/07 17:29

Notes and Definitions

Report Specific Notes:

None

Laboratory Reporting Conventions:

- DET - Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only.
- ND - Analyte NOT DETECTED at or above the reporting limit (MDL or MRL, as appropriate).
- NR/NA - Not Reported / Not Available
- dry - Sample results reported on a Dry Weight Basis. Results and Reporting Limits have been corrected for Percent Dry Weight.
- wet - Sample results and reporting limits reported on a Wet Weight Basis (as received). Results with neither 'wet' nor 'dry' are reported on a Wet Weight Basis.
- RPD - RELATIVE PERCENT DIFFERENCE (RPDs calculated using Results, not Percent Recoveries).
- MRL - METHOD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.
- MDL* - METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B.
*MDLs are listed on the report only if the data has been evaluated below the MRL. Results between the MDL and MRL are reported as Estimated Results.
- Dil - Dilutions are calculated based on deviations from the standard dilution performed for an analysis, and may not represent the dilution found on the analytical raw data.
- Reporting Limits - Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and percent solids, where applicable.
- Electronic Signature - Electronic Signature added in accordance with TestAmerica's *Electronic Reporting and Electronic Signatures Policy*.
Application of electronic signature indicates that the report has been reviewed and approved for release by the laboratory.
Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

TestAmerica - Seattle, WA

Kate Dunning

Kate Dunning, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report shall not be reproduced except in full, without the written approval of the laboratory.



March 12, 2007

Ross Dunning
Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

RE: Harborview

Enclosed are the results of analyses for samples received by the laboratory on 03/12/07 07:00.
The following list is a summary of the Work Orders contained in this report, generated on 03/12/07
16:42.

If you have any questions concerning this report, please feel free to contact me.

<u>Work Order</u>	<u>Project</u>	<u>ProjectNumber</u>
BQC0206	Harborview	[none]

TestAmerica - Seattle, WA

Kate Hancy

Kate Hancy, Project Manager

*The results in this report apply to the samples analyzed in accordance with the chain
of custody document. This analytical report shall not be reproduced except in full,
without the written approval of the laboratory.*



Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project Name: **Harborview**

Project Number: [none]

Project Manager: **Ross Dunning**

Report Created:

03/12/07 16:42

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
F-1	BQC0206-01	Soil	03/09/07 11:30	03/12/07 07:00
G-1	BQC0206-02	Soil	03/09/07 11:35	03/12/07 07:00
H-1	BQC0206-03	Soil	03/09/07 12:41	03/12/07 07:00
I-1	BQC0206-04	Soil	03/09/07 12:45	03/12/07 07:00
J-1	BQC0206-05	Soil	03/09/07 12:46	03/12/07 07:00
K-1	BQC0206-06	Soil	03/09/07 12:50	03/12/07 07:00
L-1	BQC0206-07	Soil	03/09/07 12:53	03/12/07 07:00
M-1	BQC0206-08	Soil	03/09/07 12:56	03/12/07 07:00
F-2	BQC0206-09	Soil	03/09/07 11:45	03/12/07 07:00
G-2	BQC0206-10	Soil	03/09/07 12:38	03/12/07 07:00
H-4	BQC0206-11	Soil	03/09/07 13:38	03/12/07 07:00
G-4	BQC0206-12	Soil	03/09/07 14:40	03/12/07 07:00
F-4	BQC0206-13	Soil	03/09/07 14:51	03/12/07 07:00

TestAmerica - Seattle, WA

Kate Haney

Kate Haney, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report shall not be reproduced except in full, without the written approval of the laboratory.



Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project Name: **Harborview**

Project Number: [none]

Project Manager: Ross Dunning

Report Created:

03/12/07 16:42

Analytical Case Narrative

TestAmerica - Seattle, WA

BQC0206

SAMPLE RECEIPT

The samples were received March 12th, 2007 by TestAmerica - Seattle. The temperature of the samples at the time of receipt ranged from 6.7 to 7.1 degrees Celsius. The sampled date/time on the label for sample G-4 was 03/09/07 1420. The sampled date/time on the COC for sample G-4 was 03/09/07 1440. The sample was logged in accordance with the COC.

TestAmerica - Seattle, WA

Kate Dunning

Kate Dunning, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report shall not be reproduced except in full, without the written approval of the laboratory.



Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project Name: **Harborview**

Project Number: [none]

Project Manager: Ross Dunning

Report Created:

03/12/07 16:42

Total Metals by EPA 6000/7000 Series Methods

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQC0206-01 (F-1)		Soil						Sampled: 03/09/07 11:30		
Arsenic	EPA 6020	4.12	—	0.553	mg/kg dry	1x	7C12018	03/12/07 09:17	03/12/07 13:47	
BQC0206-02 (G-1)		Soil						Sampled: 03/09/07 11:35		
Arsenic	EPA 6020	1.77	—	0.461	mg/kg dry	1x	7C12018	03/12/07 09:17	03/12/07 13:52	
BQC0206-03 (H-1)		Soil						Sampled: 03/09/07 12:41		
Arsenic	EPA 6020	2.85	—	0.471	mg/kg dry	1x	7C12018	03/12/07 09:17	03/12/07 13:58	
BQC0206-04 (I-1)		Soil						Sampled: 03/09/07 12:45		
Arsenic	EPA 6020	1.81	—	0.565	mg/kg dry	1x	7C12018	03/12/07 09:17	03/12/07 14:04	
BQC0206-05 (J-1)		Soil						Sampled: 03/09/07 12:46		
Arsenic	EPA 6020	2.13	—	0.518	mg/kg dry	1x	7C12018	03/12/07 09:17	03/12/07 14:22	
BQC0206-06 (K-1)		Soil						Sampled: 03/09/07 12:50		
Arsenic	EPA 6020	1.10	—	0.443	mg/kg dry	1x	7C12018	03/12/07 09:17	03/12/07 14:28	
BQC0206-07 (L-1)		Soil						Sampled: 03/09/07 12:53		
Arsenic	EPA 6020	1.79	—	0.500	mg/kg dry	1x	7C12018	03/12/07 09:17	03/12/07 14:34	
BQC0206-08 (M-1)		Soil						Sampled: 03/09/07 12:56		
Arsenic	EPA 6020	3.25	—	0.541	mg/kg dry	1x	7C12018	03/12/07 09:17	03/12/07 14:40	
BQC0206-09 (F-2)		Soil						Sampled: 03/09/07 11:45		
Arsenic	EPA 6020	2.90	—	0.536	mg/kg dry	1x	7C12018	03/12/07 09:17	03/12/07 14:46	
BQC0206-10 (G-2)		Soil						Sampled: 03/09/07 12:38		
Arsenic	EPA 6020	2.06	—	0.548	mg/kg dry	1x	7C12018	03/12/07 09:17	03/12/07 14:51	
BQC0206-11 (H-4)		Soil						Sampled: 03/09/07 13:38		
Arsenic	EPA 6020	2.25	—	0.552	mg/kg dry	1x	7C12018	03/12/07 09:17	03/12/07 14:57	

TestAmerica - Seattle, WA

Kate Dunning

Kate Haney, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report shall not be reproduced except in full, without the written approval of the laboratory.



Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project Name: **Harborview**

Project Number: [none]

Project Manager: Ross Dunning

Report Created:

03/12/07 16:42

Total Metals by EPA 6000/7000 Series Methods

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQC0206-12 (G-4)		Soil								Sampled: 03/09/07 14:40
Arsenic	EPA 6020	2.55	----	0.548	mg/kg dry	1x	7C12018	03/12/07 09:17	03/12/07 15:03	
BQC0206-13 (F-4)		Soil								Sampled: 03/09/07 14:51
Arsenic	EPA 6020	3.76	----	0.530	mg/kg dry	1x	7C12018	03/12/07 09:17	03/12/07 15:09	

TestAmerica - Seattle, WA

Kate Dunning

Kate Haney, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report shall not be reproduced except in full, without the written approval of the laboratory.



Kennedy/Jenks Consultants
 32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project Name: **Harborview**
 Project Number: [none]
 Project Manager: Ross Dunning

Report Created:
 03/12/07 16:42

Physical Parameters by APHA/ASTM/EPA Methods

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQC0206-01 (F-1)		Soil								Sampled: 03/09/07 11:30
Dry Weight	BSOPSPLO03R0 g	90.4	—	1.00	%	1x	7C12026	03/12/07 09:54	03/12/07 16:00	
BQC0206-02 (G-1)		Soil								Sampled: 03/09/07 11:35
Dry Weight	BSOPSPLO03R0 g	93.6	—	1.00	%	1x	7C12026	03/12/07 09:54	03/12/07 16:00	
BQC0206-03 (H-1)		Soil								Sampled: 03/09/07 12:41
Dry Weight	BSOPSPLO03R0 g	90.7	—	1.00	%	1x	7C12026	03/12/07 09:54	03/12/07 16:00	
BQC0206-04 (I-1)		Soil								Sampled: 03/09/07 12:45
Dry Weight	BSOPSPLO03R0 g	90.3	—	1.00	%	1x	7C12026	03/12/07 09:54	03/12/07 16:00	
BQC0206-05 (J-1)		Soil								Sampled: 03/09/07 12:46
Dry Weight	BSOPSPLO03R0 g	88.6	—	1.00	%	1x	7C12026	03/12/07 09:54	03/12/07 16:00	
BQC0206-06 (K-1)		Soil								Sampled: 03/09/07 12:50
Dry Weight	BSOPSPLO03R0 g	92.6	—	1.00	%	1x	7C12026	03/12/07 09:54	03/12/07 16:00	
BQC0206-07 (L-1)		Soil								Sampled: 03/09/07 12:53
Dry Weight	BSOPSPLO03R0 g	91.7	—	1.00	%	1x	7C12026	03/12/07 09:54	03/12/07 16:00	
BQC0206-08 (M-1)		Soil								Sampled: 03/09/07 12:56
Dry Weight	BSOPSPLO03R0 g	90.6	—	1.00	%	1x	7C12026	03/12/07 09:54	03/12/07 16:00	
BQC0206-09 (F-2)		Soil								Sampled: 03/09/07 11:45
Dry Weight	BSOPSPLO03R0 g	93.2	—	1.00	%	1x	7C12026	03/12/07 09:54	03/12/07 16:00	
BQC0206-10 (G-2)		Soil								Sampled: 03/09/07 12:38
Dry Weight	BSOPSPLO03R0 g	94.1	—	1.00	%	1x	7C12026	03/12/07 09:54	03/12/07 16:00	
BQC0206-11 (H-4)		Soil								Sampled: 03/09/07 13:38

TestAmerica - Seattle, WA

Kate Dunning

Kate Hancy, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody documents. This analytical report shall not be reproduced except in full, without the written approval of the laboratory.



Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project Name: **Harborview**

Project Number: **[none]**

Project Manager: **Ross Dunning**

Report Created:

03/12/07 16:42

Physical Parameters by APHA/ASTM/EPA Methods

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQC0206-11 (H-4)		Soil								Sampled: 03/09/07 13:38
Dry Weight	BSOPSP1003R0 8	90.6	—	1.00	%	1x	7C12026	03/12/07 09:54	03/12/07 16:00	
BQC0206-12 (G-4)		Soil								Sampled: 03/09/07 14:40
Dry Weight	BSOPSP1003R0 8	79.4	-----	1.00	%	1x	7C12026	03/12/07 09:54	03/12/07 16:00	
BQC0206-13 (F-4)		Soil								Sampled: 03/09/07 14:51
Dry Weight	BSOPSP1003R0 8	85.8	-----	1.00	%	1x	7C12026	03/12/07 09:54	03/12/07 16:00	

TestAmerica - Seattle, WA

Kate Dunning

Kate Haney, Project Manager

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Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project Name: **Harborview**

Project Number: [none]

Project Manager: Ross Dunning

Report Created:

03/12/07 16:42

Total Metals by EPA 6000/7000 Series Methods - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 7C12018

Soil Preparation Method: EPA 3050B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	IL(limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7C12018-BLK1)								Extracted: 03/12/07 09:17						
Arsenic	EPA 6020	ND	---	0.500	mg/kg wet	1x	--	--	--	--	--	--	03/12/07 13:17	
LCS (7C12018-BS1)								Extracted: 03/12/07 09:17						
Arsenic	EPA 6020	41.9	---	0.500	mg/kg wet	1x	--	40.0	105%	(80-120)	--	--	03/12/07 13:23	
Duplicate (7C12018-DUP1)								QC Source: BQC0206-01						
Arsenic	EPA 6020	4.41	---	0.553	mg/kg dry	1x	4.12	--	--	--	6.80%	(30)	03/12/07 13:41	
Matrix Spike (7C12018-MS1)								QC Source: BQC0206-01						
Arsenic	EPA 6020	50.9	---	0.553	mg/kg dry	1x	4.12	44.2	106%	(57-125)	--	--	03/12/07 13:35	
Post Spike (7C12018-PS1)								QC Source: BQC0106-01						
Arsenic	EPA 6020	0.113	---		ug/ml	tx	0.00745	0.100	106%	(75-125)	--	--	03/12/07 13:29	

TestAmerica - Seattle, WA

Kate Dunning

Kate Dunning, Project Manager

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Kennedy/Jenks Consultants	Project Name: Harborview	
32001 32nd Ave S Ste 100	Project Number: [none]	Report Created:
Federal Way, WA/USA 98001	Project Manager: Ross Dunning	03/12/07 16:42

Physical Parameters by APHA/ASTM/EPA Methods - Laboratory Quality Control Results
 TestAmerica - Seattle, WA

QC Batch: 7C12026	Soil Preparation Method: Dry Weight

Analyte	Method	Result	MDL*	MRL	Unit	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7C12026-BLK1)										Extracted: 03/12/07 09:54				
Dry Weight	BSOPSPL00 3R08	100	---	1.00	%	1x	--	--	--	--	--	--	03/12/07 16:00	

TestAmerica - Seattle, WA

Kate Haney

Kate Haney, Project Manager

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Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project Name: **Harborview**

Project Number: [none]

Project Manager: Ross Dunning

Report Created:

03/12/07 16:42

Notes and Definitions

Report Specific Notes:

None

Laboratory Reporting Conventions:

- DET - Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only.
- ND - Analyte NOT DETECTED at or above the reporting limit (MDL or MRL, as appropriate).
- NR/NA - Not Reported / Not Available
- dry - Sample results reported on a Dry Weight Basis. Results and Reporting Limits have been corrected for Percent Dry Weight.
- wet - Sample results and reporting limits reported on a Wet Weight Basis (as received). Results with neither 'wet' nor 'dry' are reported on a Wet Weight Basis.
- RPD - RELATIVE PERCENT DIFFERENCE (RPDs calculated using Results, not Percent Recoveries).
- MRL - METHOD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.
- MDL* - METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B.
 *MDLs are listed on the report only if the data has been evaluated below the MRL. Results between the MDL and MRL are reported as Estimated Results.
- Dil - Dilutions are calculated based on deviations from the standard dilution performed for an analysis, and may not represent the dilution found on the analytical raw data.
- Reporting Limits - Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and percent solids, where applicable.
- Electronic Signature - Electronic Signature added in accordance with TestAmerica's *Electronic Reporting and Electronic Signatures Policy*.
 Application of electronic signature indicates that the report has been reviewed and approved for release by the laboratory.
 Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

TestAmerica - Seattle, WA

Kate Dunning

Kate Dunning, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report shall not be reproduced except in full, without the written approval of the laboratory.



March 13, 2007

Ross Dunning
Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

RE: Harborview

Enclosed are the results of analyses for samples received by the laboratory on 03/12/07 16:00.
The following list is a summary of the Work Orders contained in this report, generated on 03/13/07 16:51.

If you have any questions concerning this report, please feel free to contact me.

<u>Work Order</u>	<u>Project</u>	<u>Project Number</u>
BQC0220	Harborview	[none]

TestAmerica - Seattle, WA

Kato Haney

Kato Haney, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report shall not be reproduced except in full, without the written approval of the laboratory.



Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project Name: **Harborview**
Project Number: [none]
Project Manager: Ross Dunning

Report Created:
03/13/07 16:51

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
I-2	BQC0220-01	Soil	03/12/07 11:30	03/12/07 16:00
J-2	BQC0220-02	Soil	03/12/07 11:35	03/12/07 16:00
K-2	BQC0220-03	Soil	03/12/07 11:40	03/12/07 16:00
I-3	BQC0220-04	Soil	03/12/07 11:50	03/12/07 16:00
H-2	BQC0220-05	Soil	03/12/07 12:50	03/12/07 16:00

TestAmerica - Seattle, WA

Kate Dunning

Kate Hanoy, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report shall not be reproduced except in full, without the written approval of the laboratory.



Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project Name: **Harborview**

Project Number: [none]

Project Manager: Ross Dunning

Report Created:

03/13/07 16:51

Total Metals by EPA 6000/7000 Series Methods

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQC0220-01 (I-2)		Soil								Sampled: 03/12/07 11:30
Arsenic	EPA 6020	1.62	---	0.557	mg/kg dry	1x	7C13009	03/13/07 10:54	03/13/07 15:23	
BQC0220-02 (J-2)		Soil								Sampled: 03/12/07 11:35
Arsenic	EPA 6020	2.30	---	0.575	mg/kg dry	1x	7C13009	03/13/07 10:54	03/13/07 15:35	
BQC0220-03 (K-2)		Soil								Sampled: 03/12/07 11:40
Arsenic	EPA 6020	1.94	---	0.538	mg/kg dry	1x	7C13009	03/13/07 10:54	03/13/07 15:41	
BQC0220-04 (I-3)		Soil								Sampled: 03/12/07 11:50
Arsenic	EPA 6020	1.80	---	0.549	mg/kg dry	1x	7C13009	03/13/07 10:54	03/13/07 15:46	
BQC0220-05 (H-2)		Soil								Sampled: 03/12/07 12:50
Arsenic	EPA 6020	1.52	---	0.558	mg/kg dry	1x	7C13009	03/13/07 10:54	03/13/07 16:04	

TestAmerica - Seattle, WA

Kate Haney

Kate Haney, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report shall not be reproduced except in full, without the written approval of the laboratory.



Kennedy/Jenks Consultants 32001 32nd Ave S Ste 100 Federal Way, WA/USA 98001	Project Name: Harborview Project Number: [none] Project Manager: Ross Dunning	Report Created: 03/13/07 16:51

Physical Parameters by APHA/ASTM/EPA Methods
 TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQC0220-01 (I-2)		Soil								Sampled: 03/12/07 11:30
Dry Weight	BSOPSPLO03R0 8	91.6	----	1.00	%	1x	7C12066	03/12/07 17:41	03/13/07 00:00	
BQC0220-02 (J-2)		Soil								Sampled: 03/12/07 11:35
Dry Weight	BSOPSPLO03R0 8	89.7	----	1.00	%	1x	7C12066	03/12/07 17:41	03/13/07 00:00	
BQC0220-03 (K-2)		Soil								Sampled: 03/12/07 11:40
Dry Weight	BSOPSPLO03R0 8	94.9	----	1.00	%	1x	7C12066	03/12/07 17:41	03/13/07 00:00	
BQC0220-04 (I-3)		Soil								Sampled: 03/12/07 11:50
Dry Weight	BSOPSPLO03R0 8	93.9	----	1.00	%	1x	7C12066	03/12/07 17:41	03/13/07 00:00	
BQC0220-05 (H-2)		Soil								Sampled: 03/12/07 12:50
Dry Weight	BSOPSPLO03R0 8	94.4	----	1.00	%	1x	7C12066	03/12/07 17:41	03/13/07 00:00	

TestAmerica - Seattle, WA

Kate Dunning

Kate Dunning, Project Manager

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Kennedy/Jenks Consultants 32001 32nd Ave S Ste 100 Federal Way, WA/USA 98001	Project Name: Harborview Project Number: [none] Project Manager: Ross Dunning	Report Created: 03/13/07 16:51

Total Metals by EPA 6000/7000 Series Methods - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 7C13009	Soil Preparation Method: EPA 3050B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7C13009-BLK1)								Extracted: 03/13/07 10:54						
Arsenic	EPA 6020	ND	---	0.500	mg/kg wet	1x	--	--	--	--	--	--	03/13/07 14:53	
LCS (7C13009-BS1)								Extracted: 03/13/07 10:54						
Arsenic	EPA 6020	37.9	---	0.500	mg/kg wet	1x	--	40.0	94.8%	(80-120)	--	--	03/13/07 14:59	
Duplicate (7C13009-DUP1)								QC Source: BQC0220-01 Extracted: 03/13/07 10:54						
Arsenic	EPA 6020	1.74	---	0.515	mg/kg dry	1x	1.62	--	--	--	7.14% (30)	--	03/13/07 15:17	
Matrix Spike (7C13009-MS1)								QC Source: BQC0220-01 Extracted: 03/13/07 10:54						
Arsenic	EPA 6020	40.4	---	0.551	mg/kg dry	1x	1.62	44.1	87.9%	(57-125)	--	--	03/13/07 15:29	
Post Spike (7C13009-PS1)								QC Source: BQC0220-01 Extracted: 03/13/07 10:54						
Arsenic	EPA 6020	0.0929	---		ng/ml	1x	0.00297	0.100	89.9%	(75-125)	--	--	03/13/07 15:05	

TestAmerica - Seattle, WA

Kate Dunning

Kate Dunning, Project Manager

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Kennedy/Jenks Consultants	Project Name: Harborview	
32001 32nd Ave S Ste 100	Project Number: [none]	Report Created:
Federal Way, WA/USA 98001	Project Manager: Ross Dunning	03/13/07 16:51

Physical Parameters by APHA/ASTM/EPA Methods - Laboratory Quality Control Results
 TestAmerica - Seattle, WA

QC Batch: 7C12066 **Soil Preparation Method: Dry Weight**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes

Blank (7C12066-BLK1)								Extracted: 03/12/07 17:41						
Dry Weight	BSOPSPL00 3R08	100	---	1.00	%	1x	--	--	--	--	--	--	03/13/07 00:00	

TestAmerica - Seattle, WA

Kate Dunning

Kate Haney, Project Manager

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Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project Name: **Harborview**
Project Number: [none]
Project Manager: Ross Dunning

Report Created:
03/13/07 16:51

Notes and Definitions

Report Specific Notes:

None

Laboratory Reporting Conventions:

- DET - Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only.
- ND - Analyte NOT DETECTED at or above the reporting limit (MDL or MRL, as appropriate).
- NR/NA - Not Reported / Not Available
- dry - Sample results reported on a Dry Weight Basis. Results and Reporting Limits have been corrected for Percent Dry Weight.
- wet - Sample results and reporting limits reported on a Wet Weight Basis (as received). Results with neither 'wet' nor 'dry' are reported on a Wet Weight Basis.
- RPD - RELATIVE PERCENT DIFFERENCE (RPDs calculated using Results, not Percent Recoveries).
- MRL - METHOD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.
- MDL* - METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B.
*MDLs are listed on the report only if the data has been evaluated below the MRL. Results between the MDL and MRL are reported as Estimated Results.
- Dil - Dilutions are calculated based on deviations from the standard dilution performed for an analysis, and may not represent the dilution found on the analytical raw data.
- Reporting Limits - Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and percent solids, where applicable.
- Electronic Signature - Electronic Signature added in accordance with TestAmerica's *Electronic Reporting and Electronic Signatures Policy*.
Application of electronic signature indicates that the report has been reviewed and approved for release by the laboratory.
Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

TestAmerica - Seattle, WA

Kate Dunning

Kate Haney, Project Manager

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March 14, 2007

Ross Dunning
Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

RE: Harborview

Enclosed are the results of analyses for samples received by the laboratory on 03/13/07 16:00.
The following list is a summary of the Work Orders contained in this report, generated on 03/14/07 16:47.

If you have any questions concerning this report, please feel free to contact me.

<u>Work Order</u>	<u>Project</u>	<u>ProjectNumber</u>
BQC0251	Harborview	[none]

TestAmerica - Seattle, WA

Kate Haney

Kate Haney, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report shall not be reproduced except in full, without the written approval of the laboratory.



Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project Name: **Harborview**

Project Number: [none]

Project Manager: **Ross Dunning**

Report Created:

03/14/07 16:47

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
J-3	BQC0251-01	Soil	03/13/07 10:05	03/13/07 16:00
H-3	BQC0251-02	Soil	03/13/07 10:50	03/13/07 16:00
I-4	BQC0251-03	Soil	03/13/07 12:05	03/13/07 16:00
G-3	BQC0251-04	Soil	03/13/07 12:40	03/13/07 16:00
F-3	BQC0251-05	Soil	03/13/07 14:40	03/13/07 16:00

TestAmerica - Seattle, WA

Kate Hancy

Kate Hancy, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report shall not be reproduced except in full, without the written approval of the laboratory.



Kennedy/Jenks Consultants	Project Name: Harborview	
32001 32nd Ave S Ste 100	Project Number: [none]	Report Created:
Federal Way, WA/USA 98001	Project Manager: Ross Dunning	03/14/07 16:47

Total Metals by EPA 6000/7000 Series Methods
 TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	DIL	Batch	Prepared	Analyzed	Notes
BQC0251-01 (J-3)		Soil						Sampled: 03/13/07 10:05		
Arsenic	EPA 6020	2.06	—	0.511	mg/kg dry	1x	7C14024	03/14/07 09:46	03/14/07 14:22	
BQC0251-02 (H-3)		Soil						Sampled: 03/13/07 10:50		
Arsenic	EPA 6020	1.95	—	0.478	mg/kg dry	1x	7C14024	03/14/07 09:46	03/14/07 14:28	
BQC0251-03 (I-4)		Soil						Sampled: 03/13/07 12:05		
Arsenic	EPA 6020	1.89	—	0.405	mg/kg dry	1x	7C14024	03/14/07 09:46	03/14/07 14:46	
BQC0251-04 (G-3)		Soil						Sampled: 03/13/07 12:40		
Arsenic	EPA 6020	3.18	—	0.495	mg/kg dry	1x	7C14024	03/14/07 09:46	03/14/07 14:52	
BQC0251-05 (F-3)		Soil						Sampled: 03/13/07 14:40		
Arsenic	EPA 6020	1.15	—	0.463	mg/kg dry	1x	7C14024	03/14/07 09:46	03/14/07 14:58	

TestAmerica - Seattle, WA

Kate Haney

Kate Haney, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report shall not be reproduced except in full, without the written approval of the laboratory.



Kennedy/Jenks Consultants	Project Name: Harborview	
32001 32nd Ave S Ste 100	Project Number: [none]	Report Created:
Federal Way, WA/USA 98001	Project Manager: Ross Dunning	03/14/07 16:47

Physical Parameters by APHA/ASTM/EPA Methods
 TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQC0251-01 (J-3)		Soil						Sampled: 03/13/07 10:05		
Dry Weight	BSOPSPLO03R0 8	93.1	----	1.00	%	1x	7C13048	03/13/07 18:38	03/14/07 00:00	
BQC0251-02 (H-3)		Soil						Sampled: 03/13/07 10:50		
Dry Weight	BSOPSPLO03R0 8	95.9	----	1.00	%	1x	7C13048	03/13/07 18:38	03/14/07 00:00	
BQC0251-03 (I-4)		Soil						Sampled: 03/13/07 12:05		
Dry Weight	BSOPSPLO03R0 8	96.4	----	1.00	%	1x	7C13048	03/13/07 18:38	03/14/07 00:00	
BQC0251-04 (G-3)		Soil						Sampled: 03/13/07 12:40		
Dry Weight	BSOPSPLO03R0 8	92.6	----	1.00	%	1x	7C13048	03/13/07 18:38	03/14/07 00:00	
BQC0251-05 (F-3)		Soil						Sampled: 03/13/07 14:40		
Dry Weight	BSOPSPLO03R0 8	94.0	----	1.00	%	1x	7C13048	03/13/07 18:38	03/14/07 00:00	

TestAmerica - Seattle, WA

Kate Dunning

Kate Dunning, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report shall not be reproduced except in full, without the written approval of the laboratory.



Kennedy/Jenks Consultants	Project Name: Harborview	Report Created:
32001 32nd Ave S Ste 100	Project Number: [none]	03/14/07 16:47
Federal Way, WA/USA 98001	Project Manager: Ross Dunning	

Total Metals by EPA 6000/7000 Series Methods - Laboratory Quality Control Results
TestAmerica - Seattle, WA

QC Batch: 7C14024			Soil Preparation Method: EPA 3050B											
Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7C14024-BLK1)							Extracted: 03/14/07 09:46							
Arsenic	EPA 6020	ND	---	0.500	mg/kg wet	1x	--	--	--	--	--	--	03/14/07 13:52	
LCS (7C14024-BS1)							Extracted: 03/14/07 09:46							
Arsenic	EPA 6020	39.8	---	0.500	mg/kg wet	1x	--	40.0	99.5%	(80-120)	--	--	03/14/07 13:58	
Duplicate (7C14024-DUP1)				QC Source: BQC0251-01				Extracted: 03/14/07 09:46						
Arsenic	EPA 6020	2.19	---	0.516	mg/kg dry	1x	2.06	--	--	--	6.12%	(30)	03/14/07 14:16	
Matrix Spike (7C14024-MS1)				QC Source: BQC0251-01				Extracted: 03/14/07 09:46						
Arsenic	EPA 6020	43.8	---	0.532	mg/kg dry	1x	2.06	42.5	98.2%	(57-125)	--	--	03/14/07 14:10	
Post Spike (7C14024-PS1)				QC Source: BQC0251-01				Extracted: 03/14/07 09:46						
Arsenic	EPA 6020	0.105	---		ug/ml	1x	0.00383	0.100	101%	(75-125)	--	--	03/14/07 14:04	

TestAmerica - Seattle, WA

Kate Dunning

Kate Dunning, Project Manager

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Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project Name: **Harborview**

Project Number: [none]

Project Manager: Ross Dunning

Report Created:

03/14/07 16:47

Physical Parameters by APHA/ASTM/EPA Methods - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 7C13048

Soil Preparation Method: Dry Weight

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7C13048-BLK1)										Extracted: 03/13/07 18:38				
Dry Weight	BSOPSPLO0 3R08	99.9	---	1.00	%	1x	--	--	--	--	--	--	03/14/07 00:00	

TestAmerica - Seattle, WA

Kate Dunning

Kate Dunning, Project Manager

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Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project Name: **Harborview**

Project Number: [none]

Project Manager: **Ross Dunning**

Report Created:

03/14/07 16:47

Notes and Definitions

Report Specific Notes:

None

Laboratory Reporting Conventions:

- DET - Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only.
- ND - Analyte NOT DETECTED at or above the reporting limit (MDL or MRL, as appropriate).
- NR/NA - Not Reported / Not Available
- dry - Sample results reported on a Dry Weight Basis. Results and Reporting Limits have been corrected for Percent Dry Weight.
- wet - Sample results and reporting limits reported on a Wet Weight Basis (as received). Results with neither 'wet' nor 'dry' are reported on a Wet Weight Basis.
- RPD - RELATIVE PERCENT DIFFERENCE (RPDs calculated using Results, not Percent Recoveries).
- MRL - METHOD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.
- MDL* - METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B.
*MDLs are listed on the report only if the data has been evaluated below the MRL. Results between the MDL and MRL are reported as Estimated Results.
- Dil - Dilutions are calculated based on deviations from the standard dilution performed for an analysis, and may not represent the dilution found on the analytical raw data.
- Reporting Limits - Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and percent solids, where applicable.
- Electronic Signature - Electronic Signature added in accordance with TestAmerica's *Electronic Reporting and Electronic Signatures Policy*.
Application of electronic signature indicates that the report has been reviewed and approved for release by the laboratory.
Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

TestAmerica - Seattle, WA

Kate Haney

Kate Haney, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report shall not be reproduced except in full, without the written approval of the laboratory.



March 20, 2007

Ross Dunning
Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

RE: Harborview

Enclosed are the results of analyses for samples received by the laboratory on 03/16/07 15:50.
The following list is a summary of the Work Orders contained in this report, generated on 03/20/07
16:46.

If you have any questions concerning this report, please feel free to contact me.

<u>Work Order</u>	<u>Project</u>	<u>ProjectNumber</u>
BQC0373	Harborview	[none]



Kennedy/Jenks Consultants 32001 32nd Ave S Ste 100 Federal Way, WA/USA 98001	Project Name: Harborview Project Number: [none] Project Manager: Ross Dunning	Report Created: 03/20/07 16:46

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
E-2	BQC0373-01	Soil	03/15/07 09:00	03/16/07 15:50
NFMSP-2	BQC0373-02	Soil	03/16/07 10:50	03/16/07 15:50

TestAmerica - Seattle, WA



Kortland Orr For Kate Haney, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody documents. This analytical report shall not be reproduced except in full, without the written approval of the laboratory.

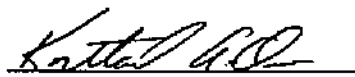


Kennedy/Jenks Consultants	Project Name: Harborview	
32001 32nd Ave S Ste 100	Project Number: [none]	Report Created:
Federal Way, WA/USA 98001	Project Manager: Ross Dunning	03/20/07 16:46

Total Metals by EPA 6000/7000 Series Methods
 TestAmerica - Seattle, WA

Analite	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQC0373-01 (E-2)		Soil								
Arsenic	EPA 6020	3.09	-----	0.653	mg/kg dry	1x	7C19043	03/19/07 13:17	03/20/07 06:33	
BQC0373-02 (NFMSP-2)		Soil								
Arsenic	EPA 6020	6.92	-----	0.514	mg/kg dry	1x	7C19043	03/19/07 13:17	03/20/07 06:39	

TestAmerica - Seattle, WA


 Kortland Orr For Kate Hancy, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report shall not be reproduced except in full, without the written approval of the laboratory.

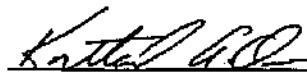


Kennedy/Jenks Consultants	Project Name: Harborview	
32001 32nd Ave S Ste 100	Project Number: [none]	Report Created:
Federal Way, WA/USA 98001	Project Manager: Ross Dunning	03/20/07 16:46

Physical Parameters by APHA/ASTM/EPA Methods
 TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQC0373-01 (E-2)		Soil						Sampled: 03/15/07 09:00		
Dry Weight	ASOPSPL003R0 8	75.8	---	1.00	%	1x	7C16048	03/17/07 14:21	03/19/07 00:00	
BQC0373-02 (NFMSP-2)		Soil						Sampled: 03/16/07 10:50		
Dry Weight	BSOPSPL003R0 8	96.4	---	1.00	%	1x	7C16048	03/17/07 14:21	03/19/07 00:00	

TestAmerica - Seattle, WA


 Kortland Orr For Kate Hancy, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report shall not be reproduced except in full, without the written approval of the laboratory.



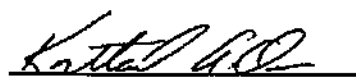
Kennedy/Jenks Consultants 32001 32nd Ave S Ste 100 Federal Way, WA/USA 98001	Project Name: Harborview Project Number: [none] Project Manager: Ross Dunning	Report Created: 03/20/07 16:46

Total Metals by EPA 6000/7000 Series Methods - Laboratory Quality Control Results
 TestAmerica - Seattle, WA

QC Batch: 7C19043	Soil Preparation Method: EPA 3050B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7C19043-BLK1)								Extracted: 03/19/07 13:17						
Arsenic	EPA 6020	ND	--	0.500	mg/kg wet	1x	--	--	--	--	--	--	03/20/07 06:03	
LCS (7C19043-BSt)								Extracted: 03/19/07 13:17						
Arsenic	EPA 6020	40.6	--	0.500	mg/kg wet	1x	--	40.0	102%	[80-120]	--	--	03/20/07 06:09	
Duplicate (7C19043-DUP1)				QC Source: BQC0373-01				Extracted: 03/19/07 13:17						
Arsenic	EPA 6020	3.01	--	0.660	mg/kg dry	1x	3.09	--	--	--	2.62%	[30]	03/20/07 06:27	
Matrix Spike (7C19043-MS1)				QC Source: BQC0373-01				Extracted: 03/19/07 13:17						
Arsenic	EPA 6020	54.2	--	0.640	mg/kg dry	1x	3.09	51.2	99.8%	(57-125)	--	--	03/20/07 06:21	
Post Spike (7C19043-PS1)				QC Source: BQC0373-01				Extracted: 03/19/07 13:17						
Arsenic	EPA 6020	0.106	--		ug/ml	1x	0.00473	0.100	101%	(75-125)	--	--	03/20/07 06:15	

TestAmerica - Seattle, WA


 Kate Hancy
 For Kate Hancy, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report shall not be reproduced except in full, without the written approval of the laboratory.



Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project Name: **Harborview**

Project Number: [none]

Project Manager: Ross Dunning

Report Created:

03/20/07 16:46

Physical Parameters by APHA/ASTM/EPA Methods - Laboratory Quality Control Results
 TestAmerica - Seattle, WA

QC Batch: 7C16048

Soil Preparation Method: Dry Weight

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7C16048-BLK1)										Extracted: 03/16/07 11:58				
Dry Weight	BSOPSPLO0 3R08	99.9	---	1.00	%	1x	--	--	--	--	--	--	03/19/07 09:00	

TestAmerica - Seattle, WA



Kortland Orr For Kate Haney, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report shall not be reproduced except in full, without the written approval of the laboratory.



Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project Name: **Harborview**

Project Number: [none]

Project Manager: Ross Dunning

Report Created:

03/20/07 16:46

Notes and Definitions

Report Specific Notes:

None

Laboratory Reporting Conventions:

- DET - Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only.
- ND - Analyte NOT DETECTED at or above the reporting limit (MDL or MRL, as appropriate).
- NR/NA - Not Reported / Not Available
- dry - Sample results reported on a Dry Weight Basis. Results and Reporting Limits have been corrected for Percent Dry Weight.
- wet - Sample results and reporting limits reported on a Wet Weight Basis (as received). Results with neither 'wet' nor 'dry' are reported on a Wet Weight Basis.
- RPD - RELATIVE PERCENT DIFFERENCE (RPDs calculated using Results, not Percent Recoveries).
- MRL - METHOD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.
- MDL* - METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B.
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Kantland Orr For Kate Haney, Project Manager

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March 20, 2007

Ross Dunning
Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

RE: Harborview

Enclosed are the results of analyses for samples received by the laboratory on 03/19/07 16:00.
The following list is a summary of the Work Orders contained in this report, generated on 03/20/07
16:49.

If you have any questions concerning this report, please feel free to contact me.

<u>Work Order</u>	<u>Project</u>	<u>Project Number</u>
BQC0408	Harborview	[none]

TestAmerica - Seattle, WA

Kortland Orr For Kale Haney, Project Manager

*The results in this report apply to the samples analyzed in accordance with the chain
of custody document. This analytical report shall not be reproduced except in full,
without the written approval of the laboratory.*



Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project Name: **Harborview**

Project Number: [none]

Project Manager: Ross Dunning

Report Created:

03/20/07 16:49

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B-1	BQC0408-01	Soil	03/19/07 11:30	03/19/07 16:00
B-2	BQC0408-02	Soil	03/19/07 11:40	03/19/07 16:00
A-2	BQC0408-03	Soil	03/19/07 11:52	03/19/07 16:00
B-3	BQC0408-04	Soil	03/19/07 12:03	03/19/07 16:00
E-4	BQC0408-05	Soil	03/19/07 12:15	03/19/07 16:00
C-4	BQC0408-06	Soil	03/19/07 12:26	03/19/07 16:00
C-5	BQC0408-07	Soil	03/19/07 12:40	03/19/07 16:00
E-3	BQC0408-08	Soil	03/19/07 12:50	03/19/07 16:00
E-1	BQC0408-09	Soil	03/19/07 13:05	03/19/07 16:00
C-2	BQC0408-10	Soil	03/19/07 13:30	03/19/07 16:00
C-1	BQC0408-11	Soil	03/19/07 13:15	03/19/07 16:00

TestAmerica - Seattle, WA



Kordand Orr For Kate Haney, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report shall not be reproduced except in full, without the written approval of the laboratory.



Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project Name: **Harborview**

Project Number: [none]

Project Manager: Ross Dunning

Report Created:

03/20/07 16:49

Total Metals by EPA 6000/7000 Series Methods

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQC0408-01 (B-1)		Soil								Sampled: 03/19/07 11:30
Arsenic	EPA 6020	2.71	-----	0.510	mg/kg dry	1x	7C19059	03/19/07 18:47	03/20/07 11:13	
BQC0408-02 (B-2)		Soil								Sampled: 03/19/07 11:40
Arsenic	EPA 6020	2.32	-----	0.604	mg/kg dry	1x	7C19059	03/19/07 18:47	03/20/07 11:19	
BQC0408-03 (A-2)		Soil								Sampled: 03/19/07 11:52
Arsenic	EPA 6020	6.42	-----	0.424	mg/kg dry	1x	7C19059	03/19/07 18:47	03/20/07 11:25	
BQC0408-04 (B-3)		Soil								Sampled: 03/19/07 12:03
Arsenic	EPA 6020	1.60	-----	0.483	mg/kg dry	1x	7C19059	03/19/07 18:47	03/20/07 11:31	
BQC0408-05 (E-4)		Soil								Sampled: 03/19/07 12:15
Arsenic	EPA 6020	28.9	-----	0.456	mg/kg dry	1x	7C19059	03/19/07 18:47	03/20/07 11:37	
BQC0408-06 (C-4)		Soil								Sampled: 03/19/07 12:26
Arsenic	EPA 6020	3.94	-----	0.484	mg/kg dry	1x	7C19059	03/19/07 18:47	03/20/07 11:58	
BQC0408-07 (C-5)		Soil								Sampled: 03/19/07 12:40
Arsenic	EPA 6020	3.34	-----	0.435	mg/kg dry	1x	7C19059	03/19/07 18:47	03/20/07 12:01	
BQC0408-08 (E-3)		Soil								Sampled: 03/19/07 12:50
Arsenic	EPA 6020	1.67	-----	0.485	mg/kg dry	1x	7C19059	03/19/07 18:47	03/20/07 12:07	
BQC0408-09 (E-1)		Soil								Sampled: 03/19/07 13:05
Arsenic	EPA 6020	3.16	-----	0.534	mg/kg dry	1x	7C19059	03/19/07 18:47	03/20/07 12:13	
BQC0408-10 (C-2)		Soil								Sampled: 03/19/07 13:30
Arsenic	EPA 6020	2.96	-----	0.422	mg/kg dry	1x	7C19059	03/19/07 18:47	03/20/07 12:19	
BQC0408-11 (C-1)		Soil								Sampled: 03/19/07 13:15
Arsenic	EPA 6020	3.59	-----	0.487	mg/kg dry	1x	7C19059	03/19/07 18:47	03/20/07 12:25	

TestAmerica - Seattle, WA

Karl Orr

Karl Orr For Kate Hancy, Project Manager

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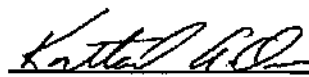


Kennedy/Jenks Consultants		Project Name:	Harborview	Report Created: 03/20/07 16:49
32001 32nd Ave S Ste 100		Project Number:	[none]	
Federal Way, WA/USA 98001		Project Manager:	Ross Dunning	

Physical Parameters by APHA/ASTM/EPA Methods
 TestAmerica - Seattle, WA

Analyte	Method	Result	AtDL*	MRL	Units	DK	Batch	Prepared	Analyzed	Notes
BQC0408-01 (B-1)		Soil							Sampled: 03/19/07 11:30	
Dry Weight	BSOPSP1003R0 g	80.4	----	1.00	%	1x	7C19062	03/19/07 21:32	03/20/07 00:00	
BQC0408-02 (B-2)		Soil							Sampled: 03/19/07 11:40	
Dry Weight	BSOPSP1003R0 g	72.6	----	1.00	%	1x	7C19062	03/19/07 21:32	03/20/07 00:00	
BQC0408-03 (A-2)		Soil							Sampled: 03/19/07 11:52	
Dry Weight	BSOPSP1003R0 g	76.0	----	1.00	%	1x	7C19062	03/19/07 21:32	03/20/07 00:00	
BQC0408-04 (B-3)		Soil							Sampled: 03/19/07 12:03	
Dry Weight	BSOPSP1003R0 g	83.4	----	1.00	%	1x	7C19062	03/19/07 21:32	03/20/07 00:00	
BQC0408-05 (E-4)		Soil							Sampled: 03/19/07 12:15	
Dry Weight	BSOPSP1003R0 g	82.4	----	1.00	%	1x	7C19062	03/19/07 21:32	03/20/07 00:00	
BQC0408-06 (C-4)		Soil							Sampled: 03/19/07 12:26	
Dry Weight	BSOPSP1003R0 g	86.1	----	1.00	%	1x	7C19062	03/19/07 21:32	03/20/07 00:00	
BQC0408-07 (C-5)		Soil							Sampled: 03/19/07 12:40	
Dry Weight	BSOPSP1003R0 g	77.1	----	1.00	%	1x	7C19062	03/19/07 21:32	03/20/07 00:00	
BQC0408-08 (E-3)		Soil							Sampled: 03/19/07 12:50	
Dry Weight	BSOPSP1003R0 g	91.2	----	1.00	%	1x	7C19062	03/19/07 21:32	03/20/07 00:00	
BQC0408-09 (E-1)		Soil							Sampled: 03/19/07 13:05	
Dry Weight	BSOPSP1003R0 g	90.1	----	1.00	%	1x	7C19062	03/19/07 21:32	03/20/07 00:00	
BQC0408-10 (C-2)		Soil							Sampled: 03/19/07 13:30	
Dry Weight	BSOPSP1003R0 g	87.7	----	1.00	%	1x	7C19062	03/19/07 21:32	03/20/07 00:00	
BQC0408-11 (C-1)		Soil							Sampled: 03/19/07 13:15	

TestAmerica - Seattle, WA


 Kortland Orr For Kate Haney, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report shall not be reproduced except in full, without the written approval of the laboratory.



Report Created:
03/20/07 16:49

TestAmerica - Seattle, WA

Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project Name: **Harborview**

Project Number: **[none]**

Project Manager: **Ross Dunning**

Report Created:

03/20/07 16:49

Total Metals by EPA 6000/7000 Series Methods - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 7C19059

Soil Preparation Method: EPA 3050B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7C19059-BLK1)								Extracted: 03/19/07 18:47						
Arsenic	EPA 6020	ND	---	0.549	mg/kg wet	1x	--	--	--	--	--	--	03/20/07 10:43	
LCS (7C19059-BS1)								Extracted: 03/19/07 18:47						
Arsenic	EPA 6020	40.9	---	0.510	mg/kg wet	1x	--	40.8	100%	(80-120)	--	--	03/20/07 10:49	
Duplicate (7C19059-DUP1)				QC Source: BQC0408-01				Extracted: 03/19/07 18:47						
Arsenic	EPA 6020	2.39	---	0.498	mg/kg dry	1x	2.71	--	--	--	12.5% (30)	--	03/20/07 11:07	
Matrix Spike (7C19059-MS1)				QC Source: BQC0408-01				Extracted: 03/19/07 18:47						
Arsenic	EPA 6020	44.8	---	0.546	mg/kg dry	1x	2.71	43.6	96.5%	(57-125)	--	--	03/20/07 11:01	
Post Spike (7C19059-PS1)				QC Source: OQC0408-01				Extracted: 03/19/07 18:47						
Arsenic	EPA 6020	0.107	---		ug/ml	1x	0.00531	0.100	102%	(75-125)	--	--	03/20/07 10:55	

TestAmerica - Seattle, WA



Kortland Orr For Kate Hancey, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report shall not be reproduced except in full, without the written approval of the laboratory.



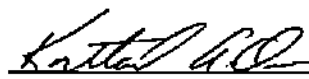
Kennedy/Jenks Consultants	Project Name: Harborview	
32001 32nd Ave S Ste 100	Project Number: [none]	Report Created: 03/20/07 16:49
Federal Way, WA/USA 98001	Project Manager: Ross Dunning	

Physical Parameters by APHA/ASTM/EPA Methods - Laboratory Quality Control Results
 TestAmerica - Seattle, WA

QC Batch: 7C19062 **Soil Preparation Method: Dry Weight**

Analyte	Method	Result	MDL*	MRL	Unit	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7C19062-BLK1)										Extracted: 03/19/07 21:32				
Dry Weight	BSOPSPLO0 3R08	100	---	1.00	%	1x	--	--	--	--	--	--	03/20/07 09:00	

TestAmerica - Seattle, WA


 Kathleen Orr For Kate Haney, Project Manager

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Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project Name: **Harborview**

Project Number: [none]

Project Manager: Ross Dunning

Report Created:

03/20/07 16:49

Notes and Definitions

Report Specific Notes:

None

Laboratory Reporting Conventions:

- DET - Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only.
- ND - Analyte NOT DETECTED at or above the reporting limit (MDL or MRL, as appropriate).
- NR/NA - Not Reported / Not Available
- dry - Sample results reported on a Dry Weight Basis. Results and Reporting Limits have been corrected for Percent Dry Weight.
- wet - Sample results and reporting limits reported on a Wet Weight Basis (as received). Results with neither 'wet' nor 'dry' are reported on a Wet Weight Basis.
- RPD - RELATIVE PERCENT DIFFERENCE (RPDs calculated using Results, not Percent Recoveries).
- MRL - METHOD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.
- MDL* - METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B.
*MDLs are listed on the report only if the data has been evaluated below the MRL. Results between the MDL and MRL are reported as Estimated Results.
- Dil - Dilutions are calculated based on deviations from the standard dilution performed for an analysis, and may not represent the dilution found on the analytical raw data.
- Reporting Limits - Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and percent solids, where applicable.
- Electronic Signature - Electronic Signature added in accordance with TestAmerica's *Electronic Reporting and Electronic Signatures Policy*.
Application of electronic signature indicates that the report has been reviewed and approved for release by the laboratory.
Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

TestAmerica - Seattle, WA



Kortland Orr For Kate Haney, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report shall not be reproduced except in full, without the written approval of the laboratory.



March 23, 2007

Ross Dunning
Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

RE: Harborview

Enclosed are the results of analyses for samples received by the laboratory on 03/22/07 15:10.
The following list is a summary of the Work Orders contained in this report, generated on 03/23/07 15:24.

If you have any questions concerning this report, please feel free to contact me.

<u>Work Order</u>	<u>Project</u>	<u>ProjectNumber</u>
BQC0511	Harborview	[none]

TestAmerica - Seattle, WA

Kate Hancy

Kate Hancy, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report shall not be reproduced except in full, without the written approval of the laboratory.



Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project Name: **Harborview**

Project Number: [none]

Project Manager: Ross Dunning

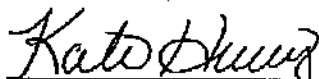
Report Created:

03/23/07 15:24

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
E-4	BQC0511-01	Soil	03/22/07 08:00	03/22/07 15:10
C-3	BQC0511-02	Soil	03/22/07 08:10	03/22/07 15:10

TestAmerica - Seattle, WA



Kate Haney, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report shall not be reproduced except in full, without the written approval of the laboratory.



Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project Name: **Harborview**

Project Number: [none]

Project Manager: Ross Dunning

Report Created:

03/23/07 15:24

Total Metals by EPA 6000/7000 Series Methods

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQC0511-01 (E-4)		Soil					Sampled: 03/22/07 08:00			
Arsenic	EPA 6020	3.02	-----	0.556	mg/kg dry	1x	7C23001	03/23/07 05:54	03/23/07 11:48	
BQC0511-02 (C-3)		Soil					Sampled: 03/22/07 08:10			
Arsenic	EPA 6020	2.68	-----	0.561	mg/kg dry	1x	7C23001	03/23/07 05:54	03/23/07 11:54	

TestAmerica - Seattle, WA

Kate Dunning

Kate Haney, Project Manager

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Kennedy/Jenks Consultants	Project Name: Harborview	
32001 32nd Ave S Ste 100	Project Number: [none]	Report Created:
Federal Way, WA/USA 98001	Project Manager: Ross Dunning	03/23/07 15:24

Physical Parameters by APHA/ASTM/EPA Methods
 TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Oil	Batch	Prepared	Analyzed	Notes
BQC0511-01 (E-4)		Soil								Sampled: 03/22/07 08:00
Dry Weight	BSOPSPLO03R0 8	84.8	-----	1.00	%	1x	7C22042	03/22/07 13:23	03/23/07 00:00	
BQC0511-02 (C-3)		Soil								Sampled: 03/22/07 08:10
Dry Weight	BSOPSPLO03R0 8	91.9	-----	1.00	%	1x	7C22042	03/22/07 13:23	03/23/07 00:00	

TestAmerica - Seattle, WA

Kate Dunning

Kate Hancy, Project Manager

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Kennedy/Jenks Consultants	Project Name:	Harborview	
32001 32nd Ave S Ste 100	Project Number:	[none]	Report Created:
Federal Way, WA/USA 98001	Project Manager:	Ross Dunning	03/23/07 15:24

Total Metals by EPA 6000/7000 Series Methods - Laboratory Quality Control Results
 TestAmerica - Seattle, WA

QC Batch: 7C23001	Soil Preparation Method: EPA 3050B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7C23001-BLK1)										Extracted: 03/23/07 05:54				
Arsenic	EPA 6020	ND	---	0.500	mg/kg wet	1x	--	--	--	--	--	--	03/23/07 11:06	
LCS (7C23001-BSt)										Extracted: 03/23/07 05:54				
Arsenic	EPA 6020	41.3	---	0.500	mg/kg wet	1x	--	40.0	103%	(80-120)	--	--	03/23/07 11:12	
Duplicate (7C23001-DUPt)										QC Source: BQC0511-01 Extracted: 03/23/07 05:54				
Arsenic	EPA 6020	3.29	---	0.621	mg/kg dry	1x	3.02	--	--	--	8.56%	(30)	03/23/07 11:30	
Matrix Spike (7C23001-MSt)										QC Source: BQC0511-01 Extracted: 03/23/07 05:54				
Arsenic	EPA 6020	51.2	---	0.596	mg/kg dry	1x	3.02	47.6	101%	(57-125)	--	--	03/23/07 11:24	
Post Spike (7C23001-PS1)										QC Source: BQC0511-01 Extracted: 03/23/07 05:54				
Arsenic	EPA 6020	0.109	---		ug/ml	1a	0.00543	0.100	104%	(75-125)	--	--	03/23/07 11:18	

TestAmerica - Seattle, WA

Kate Dunning

Kate Haney, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report shall not be reproduced except in full, without the written approval of the laboratory.



Kennedy/Jenks Consultants 32001 32nd Ave S Ste 100 Federal Way, WA/USA 98001	Project Name: Harborview Project Number: [none] Project Manager: Ross Dunning	Report Created: 03/23/07 15:24

Physical Parameters by APHA/ASTM/EPA Methods - Laboratory Quality Control Results
 TestAmerica - Seattle, WA

QC Batch: 7C22042 Soil Preparation Method: Dry Weight

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7C22042-BLK1)										Extracted: 03/22/07 13:23				
Dry Weight	BSOPSPLO0 3R08	100	—	1.00	%	1x	—	—	—	—	—	—	03/23/07 00:00	

TestAmerica - Seattle, WA

Kate Dunning

Kate Hanoy, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report shall not be reproduced except in full, without the written approval of the laboratory.



Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project Name: **Harborview**

Project Number: [none]

Project Manager: Ross Dunning

Report Created:
03/23/07 15:24

Notes and Definitions

Report Specific Notes:

None

Laboratory Reporting Conventions:

- DET - Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only.
- ND - Analyte NOT DETECTED at or above the reporting limit (MDL or MRL, as appropriate).
- NR/NA - Not Reported / Not Available
- dry - Sample results reported on a Dry Weight Basis. Results and Reporting Limits have been corrected for Percent Dry Weight.
- wet - Sample results and reporting limits reported on a Wet Weight Basis (as received). Results with neither 'wet' nor 'dry' are reported on a Wet Weight Basis.
- RPD - RELATIVE PERCENT DIFFERENCE (RPDs calculated using Results, not Percent Recoveries).
- MRL - METHOD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.
- MDL* - METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B.
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- Dil - Dilutions are calculated based on deviations from the standard dilution performed for an analysis, and may not represent the dilution found on the analytical raw data.
- Reporting Limits - Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and percent solids, where applicable.
- Electronic Signature - Electronic Signature added in accordance with TestAmerica's *Electronic Reporting and Electronic Signatures Policy*.
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TestAmerica - Seattle, WA

Kate Dunning

Kate Haney, Project Manager

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March 27, 2007

Ross Dunning
Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

RE: Harborview

Enclosed are the results of analyses for samples received by the laboratory on 03/23/07 17:00.
The following list is a summary of the Work Orders contained in this report, generated on 03/27/07
11:23.

If you have any questions concerning this report, please feel free to contact me.

<u>Work Order</u>	<u>Project</u>	<u>ProjectNumber</u>
BQC0556	Harborview	[none]

TestAmerica - Seattle, WA

Kate Hancy

Kate Hancy, Project Manager

*The results in this report apply to the samples analyzed in accordance with the chain
of custody document. This analytical report shall not be reproduced except in full,
without the written approval of the laboratory.*



Kennedy/Jenks Consultants	Project Name: Harborview	Report Created:
32001 32nd Ave S Ste 100	Project Number: [none]	03/27/07 11:23
Federal Way, WA/USA 98001	Project Manager: Ross Dunning	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Rd-1	BQC0556-01	Soil	03/23/07 08:00	03/23/07 17:00
Rd-2	BQC0556-02	Soil	03/23/07 08:10	03/23/07 17:00
Rd-3	BQC0556-03	Soil	03/23/07 08:20	03/23/07 17:00
Rd-4	BQC0556-04	Soil	03/23/07 08:30	03/23/07 17:00
Rd-5	BQC0556-05	Soil	03/23/07 08:40	03/23/07 17:00

TestAmerica - Seattle, WA

Kate Haney

Kate Haney, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report shall not be reproduced except in full, without the written approval of the laboratory.



Kennedy/Jenks Consultants
 32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project Name: **Harborview**
 Project Number: [none]
 Project Manager: Ross Dunning

Report Created:
 03/27/07 11:23

Total Metals by EPA 6000/7000 Series Methods
 TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQC0556-01 (Rd-1)		Soil						Sampled: 03/23/07 08:00		
Arsenic	EPA 6020	2.63	-----	0.610	mg/kg dry	1x	7C24019	03/24/07 13:18	03/26/07 10:35	
BQC0556-02 (Rd-2)		Soil						Sampled: 03/23/07 08:10		
Arsenic	EPA 6020	2.12	-----	0.529	mg/kg dry	1x	7C24019	03/24/07 13:18	03/26/07 10:53	
BQC0556-03 (Rd-3)		Soil						Sampled: 03/23/07 08:20		
Arsenic	EPA 6020	2.41	-----	0.522	mg/kg dry	1x	7C24019	03/24/07 13:18	03/26/07 10:59	
BQC0556-04 (Rd-4)		Soil						Sampled: 03/23/07 08:30		
Arsenic	EPA 6020	3.49	-----	0.676	mg/kg dry	1x	7C24019	03/24/07 13:18	03/26/07 11:05	
BQC0556-05 (Rd-5)		Soil						Sampled: 03/23/07 08:40		
Arsenic	EPA 6020	4.86	---	0.646	mg/kg dry	1x	7C24019	03/24/07 13:18	03/26/07 11:11	

TestAmerica - Seattle, WA

Kate Dunning

Kate Haney, Project Manager

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Kennedy/Jenks Consultants	Project Name: Harborview	Report Created:
32001 32nd Ave S Ste 100	Project Number: [none]	03/27/07 11:23
Federal Way, WA/USA 98001	Project Manager: Ross Dunning	

Physical Parameters by APHA/ASTM/EPA Methods

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQC0556-01 (Rd-1)		Soil								Sampled: 03/23/07 08:00
Dry Weight	BSOPSPLO03R0 g	82.0	—	1.00	%	1x	7C23061	03/23/07 21:15	03/26/07 00:00	
BQC0556-02 (Rd-2)		Soil								Sampled: 03/23/07 08:00
Dry Weight	BSOPSPLO03R0 g	94.5	—	1.00	%	1x	7C23061	03/23/07 21:15	03/26/07 00:00	
BQC0556-03 (Rd-3)		Soil								Sampled: 03/23/07 08:20
Dry Weight	BSOPSPLO03R0 g	90.4	—	1.00	%	1x	7C23061	03/23/07 21:15	03/26/07 00:00	
BQC0556-04 (Rd-4)		Soil								Sampled: 03/23/07 08:30
Dry Weight	BSOPSPLO03R0 g	77.1	—	1.00	%	1x	7C23061	03/23/07 21:15	03/26/07 00:00	
BQC0556-05 (Rd-5)		Soil								Sampled: 03/23/07 08:40
Dry Weight	BSOPSPLO03R0 g	79.0	—	1.00	%	1x	7C23061	03/23/07 21:15	03/26/07 00:00	

TestAmerica - Seattle, WA

Kate Haney

Kate Haney, Project Manager

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Kennedy/Jenks Consultants	Project Name: Harborview	Report Created:
32001 32nd Ave S Ste 100	Project Number: [none]	03/27/07 11:23
Federal Way, WA/USA 98001	Project Manager: Ross Dunning	

Total Metals by EPA 6000/7000 Series Methods - Laboratory Quality Control Results
 TestAmerica - Seattle, WA

QC Batch: 7C24019	Soil Preparation Method: EPA 3050B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7C24019-BLK1)										Extracted: 03/24/07 13:18				
Arsenic	EPA 6020	ND	---	0.500	mg/kg wet	1x	--	--	--	--	--	--	03/26/07 09:42	
LCS (7C24019-BS1)										Extracted: 03/24/07 13:18				
Arsenic	EPA 6020	41.6	---	0.500	mg/kg wet	1x	--	40.0	104%	(80-120)	--	--	03/26/07 09:48	
Duplicate (7C24019-DUP1)										QC Source: BQC0556-01				
Arsenic	EPA 6020	3.28	---	0.610	mg/kg dry	1x	2.63	--	--	--	22.0%	(30)	03/26/07 10:06	
Matrix Spike (7C24019-MS1)										QC Source: BQC0556-01				
Arsenic	EPA 6020	\$2.5	---	0.610	mg/kg dry	1x	2.63	48.8	102%	(57-125)	--	--	03/26/07 10:00	
Post Spike (7C24019-PS1)										QC Source: BQC0556-01				
Arsenic	EPA 6020	0.110	---		ng/ml	1x	0.00432	0.100	106%	(75-125)	--	--	03/26/07 09:54	

TestAmerica - Seattle, WA

Kate Dunning

Kate Dunning, Project Manager

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Kennedy/Jenks Consultants 32001 32nd Ave S Ste 100 Federal Way, WA/USA 98001	Project Name: Harborview Project Number: [none] Project Manager: Ross Dunning	Report Created: 03/27/07 11:23

Physical Parameters by APHA/ASTM/EPA Methods - Laboratory Quality Control Results
 TestAmerica - Seattle, WA

QC Batch: 7C2306t Soil Preparation Method: Dry Weight

Analyte	Method	Result	MDL*	MRL	Units	DU	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7C2306t-BLK1)										Extracted: 03/23/07 11:15				
Dry Weight	ASOPSFL00 3R08	99.2	---	1.00	%	1x	--	--	--	--	--	--	03/26/07 00:00	

TestAmerica - Seattle, WA

Kate Dunning

Kate Haney, Project Manager

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Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project Name: **Harborview**

Project Number: [none]

Project Manager: Ross Dunning

Report Created:

03/27/07 11:23

Notes and Definitions

Report Specific Notes:

None

Laboratory Reporting Conventions:

- DET - Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only.
- ND - Analyte NOT DETECTED at or above the reporting limit (MDL or MRL, as appropriate).
- NR/NA - Not Reported / Not Available
- dry - Sample results reported on a Dry Weight Basis. Results and Reporting Limits have been corrected for Percent Dry Weight.
- wet - Sample results and reporting limits reported on a Wet Weight Basis (as received). Results with neither 'wet' nor 'dry' are reported on a Wet Weight Basis.
- RPD - RELATIVE PERCENT DIFFERENCE (RPDs calculated using Results, not Percent Recoveries).
- MRL - METHDD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.
- MDL* - METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B.
*MDLs are listed on the report only if the data has been evaluated below the MRL. Results between the MDL and MRL are reported as Estimated Results.
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TestAmerica - Seattle, WA

Kate Dunning

Kate Haney, Project Manager

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CCI
ANALYTICAL
LABORATORIES, INC.

CERTIFICATE OF ANALYSIS

CLIENT: KENNEDY/JENKS CONSULTANTS
530 S. 336TH ST.
FEDERAL WAY, WA 98003

DATE: 4/18/02
CCIL JOB #: 204070
CCIL SAMPLE #: 1
DATE RECEIVED: 4/15/02
WDOE ACCREDITATION #: C142

CLIENT CONTACT: LANCE GESELBRACHT

CLIENT PROJECT ID: 986171.02
CLIENT SAMPLE ID: MW-1 4/15/02 11:00

DATA RESULTS

ANALYTE	METHDD	RESULTS*	UNITS**	ANALYSIS	ANALYSIS
				DATE	BY
TPH-SEMIVOLATILE RANGE	NWTPH-DX	ND	UG/L	4/17/02	A18
NAPHTHALENE	EPA-8270 SIM	ND(<0.02)	UG/L	4/16/02	RAL
1-METHYLNAPHTHALENE	EPA-8270 SIM	ND(<0.02)	UG/L	4/16/02	RAL
2-METHYLNAPHTHALENE	EPA-8270 SIM	ND(<0.02)	UG/L	4/16/02	RAL
ACENAPHTHYLENE	EPA-8270 SIM	ND(<0.02)	UG/L	4/16/02	RAL
ACENAPHTHENE	EPA-8270 SIM	ND(<0.02)	UG/L	4/16/02	RAL
FLUORENE	EPA-8270 SIM	ND(<0.02)	UG/L	4/16/02	RAL
PHENANTHRENE	EPA-8270 SIM	ND(<0.02)	UG/L	4/16/02	RAL
ANTHRACENE	EPA-8270 SIM	0.02	UG/L	4/16/02	RAL
FLUORANTHENE	EPA-8270 SIM	ND(<0.02)	UG/L	4/16/02	RAL
PYRENE	EPA-8270 SIM	ND(<0.02)	UG/L	4/16/02	RAL
BENZO[A]ANTHRACENE	EPA-8270 SIM	ND(<0.02)	UG/L	4/16/02	RAL
CHRYSENE	EPA-8270 SIM	ND(<0.02)	UG/L	4/16/02	RAL
BENZO(B)FLUORANTHENE	EPA-8270 SIM	ND(<0.02)	UG/L	4/16/02	RAL
BENZO(K)FLUORANTHENE	EPA-8270 SIM	ND(<0.02)	UG/L	4/16/02	RAL
BENZO(A)PYRENE	EPA-8270 SIM	ND(<0.02)	UG/L	4/16/02	RAL
INDENO(1,2,3-CD)PYRENE	EPA-8270 SIM	ND(<0.02)	UG/L	4/16/02	RAL
DIBENZ(A,H)ANTHRACENE	EPA-8270 SIM	ND(<0.02)	UG/L	4/16/02	RAL
BENZO(G,H,I)PERYLENE	EPA-8270 SIM	ND(<0.02)	UG/L	4/16/02	RAL

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES OR AS FOLLOWS:

DIESEL RANGE REPORTING LIMIT IS 130 UG/L

LUBE OIL RANGE REPORTING LIMIT IS 250 UG/L

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

APPROVED BY: 



CCI
ANALYTICAL
LABORATORIES, INC.

CERTIFICATE OF ANALYSIS

CLIENT: KENNEDY/JENKS CONSULTANTS
S30 S. 336TH ST.
FEDERAL WAY, WA 98003

DATE: 4/18/02
CCIL JOB #: 204070
CCIL SAMPLE #: 2
DATE RECEIVED: 4/15/02
WDOE ACCREDITATION #: C142

CLIENT CONTACT: LANCE GESELBRACHT

CLIENT PROJECT ID: 986171.02
CLIENT SAMPLE ID: MW-2 4/15/02 10:00

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS	ANALYSIS
				DATE	BY
TPH-SEMIVOLATILE RANGE	NWTPH-DX	ND	UG/L	4/17/02	A18
NAPHTHALENE	EPA-8270 SIM	0.02	UG/L	4/16/02	RAL
1-METHYLNAPHTHALENE	EPA-8270 SIM	ND(<0.02)	UG/L	4/16/02	RAL
2-METHYLNAPHTHALENE	EPA-8270 SIM	ND(<0.02)	UG/L	4/16/02	RAL
ACENAPHTHYLENE	EPA-8270 SIM	ND(<0.02)	UG/L	4/16/02	RAL
ACENAPHTHENE	EPA-8270 SIM	0.04	UG/L	4/16/02	RAL
FLUORENE	EPA-8270 SIM	0.04	UG/L	4/16/02	RAL
PHENANTHRENE	EPA-8270 SIM	0.11	UG/L	4/16/02	RAL
ANTHRACENE	EPA-8270 SIM	0.07	UG/L	4/16/02	RAL
FLUORANTHENE	EPA-8270 SIM	0.19	UG/L	4/16/02	RAL
PYRENE	EPA-8270 SIM	0.10	UG/L	4/16/02	RAL
BENZO[A]ANTHRACENE	EPA-8270 SIM	ND(<0.02)	UG/L	4/16/02	RAL
CHRYSENE	EPA-8270 SIM	ND(<0.02)	UG/L	4/16/02	RAL
BENZO[B]FLUORANTHENE	EPA-8270 SIM	ND(<0.02)	UG/L	4/16/02	RAL
BENZO[K]FLUORANTHENE	EPA-8270 SIM	ND(<0.02)	UG/L	4/16/02	RAL
BENZO[A]PYRENE	EPA-8270 SIM	ND(<0.02)	UG/L	4/16/02	RAL
INDENO[1,2,3-CD]PYRENE	EPA-8270 SIM	ND(<0.02)	UG/L	4/16/02	RAL
DIBENZ[A,H]ANTHRACENE	EPA-8270 SIM	ND(<0.02)	UG/L	4/16/02	RAL
BENZO[G,H,I]PERYLENE	EPA-8270 SIM	ND(<0.02)	UG/L	4/16/02	RAL

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES OR AS FOLLOWS:

DIESEL RANGE REPORTING LIMIT IS 130 UG/L

LUBE OIL RANGE REPORTING LIMIT IS 250 UG/L

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

APPROVED BY: 



CCI
ANALYTICAL
LABORATORIES, INC.

CERTIFICATE OF ANALYSIS

CLIENT: KENNEDY/JENKS CONSULTANTS
530 S. 336TH ST.
FEDERAL WAY, WA 98003

DATE: 4/18/02
CCIL JOB #: 204070
CCIL SAMPLE #: 3
DATE RECEIVED: 4/15/02
WDOE ACCREDITATION #: C142

CLIENT CONTACT: LANCE GESELBRACHT

CLIENT PROJECT ID: 986171.02
CLIENT SAMPLE ID: MW-20 4/15/02 10:15

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS	ANALYSIS
				DATE	BY
TPH-SEMIVOLATILE RANGE	NWTPH-DX	ND	UG/L	4/17/02	AIB
NAPHTHALENE	EPA-8270 SIM	0.02	UG/L	4/16/02	RAL
1-METHYLNAPHTHALENE	EPA-8270 SIM	ND(<0.02)	UG/L	4/16/02	RAL
2-METHYLNAPHTHALENE	EPA-8270 SIM	ND(<0.02)	UG/L	4/16/02	RAL
ACENAPHTHYLENE	EPA-8270 SIM	ND(<0.02)	UG/L	4/16/02	RAL
ACENAPHTHENE	EPA-8270 SIM	0.04	UG/L	4/16/02	RAL
FLUORENE	EPA-8270 SIM	0.05	UG/L	4/16/02	RAL
PHENANTHRENE	EPA-8270 SIM	0.12	UG/L	4/16/02	RAL
ANTHRACENE	EPA-8270 SIM	0.08	UG/L	4/16/02	RAL
FLUORANTHENE	EPA-8270 SIM	0.20	UG/L	4/16/02	RAL
PYRENE	EPA-8270 SIM	0.10	UG/L	4/16/02	RAL
BENZO(A)ANTHRACENE	EPA-8270 SIM	ND(<0.02)	UG/L	4/16/02	RAL
CHRYSENE	EPA-8270 SIM	ND(<0.02)	UG/L	4/16/02	RAL
BENZO(B)FLUORANTHENE	EPA-8270 SIM	ND(<0.02)	UG/L	4/16/02	RAL
BENZO(K)FLUORANTHENE	EPA-8270 SIM	ND(<0.02)	UG/L	4/16/02	RAL
BENZO(A)PYRENE	EPA-8270 SIM	ND(<0.02)	UG/L	4/16/02	RAL
INDENO(1,2,3-CD)PYRENE	EPA-8270 SIM	ND(<0.02)	UG/L	4/16/02	RAL
DIBENZ(A,H)ANTHRACENE	EPA-8270 SIM	ND(<0.02)	UG/L	4/16/02	RAL
BENZO(G,H,I)PERYLENE	EPA-8270 SIM	ND(<0.02)	UG/L	4/16/02	RAL

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES OR AS FOLLOWS:

DIESEL RANGE REPORTING LIMIT IS 130 UG/L

LUBE OIL RANGE REPORTING LIMIT IS 250 UG/L

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

APPROVED BY:



CCI
ANALYTICAL
LABORATORIES, INC.

CERTIFICATE OF ANALYSIS

CLIENT: KENNEDY/JENKS CONSULTANTS
530 S. 336TH ST.
FEDERAL WAY, WA 98003

DATE: 4/18/02
CCIL JOB #: 204070

DATE RECEIVED: 4/15/02
WDOE ACCREDITATION #: C142

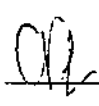
CLIENT CONTACT: LANCE GESELBRACHT

CLIENT PROJECT ID: 986171.02

QUALITY CONTROL RESULTS

SURROGATE RECOVERY

CCIL SAMPLE ID	ANALYTE	SUR ID	% RECV
204070-01	NWTPH-DX	C25	92
204070-01	EPA-8270	TERPHENYL-d14	73
204070-02	NWTPH-DX	C25	83
204070-02	EPA-8270	TERPHENYL-d14	70
204070-03	NWTPH-DX	C25	72
204070-03	EPA-8270	TERPHENYL-d14	71

APPROVED BY: 



CCI Analytical Laboratories, Inc.
8620 Holly Drive
Everett, WA 98208
Phone (425) 356-2600
(206) 292-9059 Seattle
(425) 356-2626 Fax

Chain Of Custody/ Laboratory Analysis Request

CCI Job# (Laboratory Use Only)

204070

Date 4/15/02 Page 1 Of 1

PROJECT ID: 986171.02
REPORT TO: Kennedy Jents Consultants
PROJECT MANAGER: LANCE GESLERBACHT
ADDRESS: 530 S. 336th St
FARMER WAY WA 98003
PHONE: 874-0555 FAX: 253 952-3435
INVOICE TO COMPANY:
ATTENTION: SAME
ADDRESS:

PROJECT ID: 98671.02				REPORT TO: Kennedy Links Consultants			
COMPANY: LANCE GESLER & ASSOCIATES				PROJECT MANAGER: 530 S. 336th St			
ADDRESS: 253 874-0555				FAX: 253 952-3435			
PHONE: 874-0555				FAX: 253 952-3435			
INVOICE TO COMPANY: SAME				ATTENTION: SAME			
ADDRESS:							
PO. NUMBER 98671.02				CCL QUOTE:			
SAMPLE I.D.		DATE	TIME	TYPE	LAB#		
1. MW-1		4/15/02	11:00	W			
2. MW-2		10:00	I				
3. MW-20		10:15	I				
4.							
5.							
6.							
7.							
8.							
9.							
10.							

ANALYSIS REQUESTED														OTHER (Specify)									
NWTPH-GX																							
BTX																							
NWTPH-DX																							
NWTPH-HC10																							
EPA 8021 602																							
EPA 8010 601																							
EPA 8260 624																							
EPA 8270 625														Data									
EPA 8081/8082 608																							
PCB only																							
Pest only																							
RCRA																							
TAL																							
Metals Priority Pollutant																							
Metals Other (Specify)																							
TCLP-Metals																							
VOA																							
Semi-Vol																							
Pest																							
Herbs																							
NUMBER OF CONTAINERS																							
RECEIVED IN GOOD CONDITION?																							

SPECIAL INSTRUCTIONS

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: J Brundage KCS 4/15/02 12:00
Received By: Wallace Kunes CCHA 4/15/02 12:05
2. Relinquished By: (Signature)
Received By: (Signature)

TURNAROUND REQUESTED IN BUSINESS DAYS*
Organic, Metals & Inorganic Analysis
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100
Specify: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

June 19, 2007

Ross Dunning
Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

RE: BNSF-Harborview Park

Enclosed are the results of analyses for samples received by the laboratory on 05/31/07 10:45.
The following list is a summary of the Work Orders contained in this report, generated on 06/19/07
18:07.

If you have any questions concerning this report, please feel free to contact me.

<u>Work Order</u>	<u>Project</u>	<u>Project Number</u>
BQF0003	BNSF-Harborview Park	0496017.01

TestAmerica - Seattle, WA

Kate Haney

Kate Haney, Project Manager

*The results in this report apply to the samples analyzed in accordance with the chain
of custody document. This analytical report shall not be reproduced except in full,
without the written approval of the laboratory.*



Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project Name: **BNSF-Harborview Park**

Project Number: 0496017.01

Project Manager: Ross Dunning

Report Created:

06/19/07 18:07

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	BQF0003-01	Water	05/31/07 09:00	05/31/07 10:45

TestAmerica - Seattle, WA

Kate Harney

Kate Harney, Project Manager

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Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project Name: **BNSF-Harborview Park**

Project Number: 0496017.01

Project Manager: Ross Dunning

Report Created:

06/19/07 18:07

Analytical Case Narrative

TestAmerica - Seattle, WA

BQF0003

SAMPLE RECEIPT

The samples were received May 31st, 2007 by TestAmerica - Seattle. The temperature of the samples at the time of receipt was 6.0 degrees Celsius.

PREPARATIONS AND ANALYSIS

Semivolatile Petroleum Products by NWTPH-Dx with Acid/Silica Gel Clean-up: No additional anomalies, discrepancies, or issues were associated with sample preparation, analysis and quality control other than those already qualified in the data and described in the Notes and Definitions page at the end of the report.

Semivolatile Organic Compounds by EPA Method 8270C with High Volume Injection: No anomalies were associated with the sample preparation and analysis. All criteria for acceptable QC measurements were met.

TestAmerica - Seattle, WA

Kate Haney

Kate Haney, Project Manager

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06/19/07 18:07

TestAmerica - Seattle, WA

Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project Name: **BNSF-Harborview Park**

Project Number: **0496017.01**

Project Manager: **Ross Dunning**

Report Created:

06/19/07 18:07

Polynuclear Aromatic Compounds by GC/MS with High Volume Injection

TestAmerica - Seattle, WA

Analyte	Method	Result	MOL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQF0003-01 (MW-t)		Water					Sampled: 05/31/07 09:00			
Acenaphthene	EPA 8270C-11VI	ND	—	0.0952	ug/l	1x	7F01011	06/01/07 09:24	06/07/07 11:49	
Acenaphthylene	"	ND	—	0.0952	"	"	"	"	"	
Anthracene	"	ND	—	0.0952	"	"	"	"	"	
Benzo (a) anthracene	"	ND	—	0.0952	"	"	"	"	"	
Benzo (a) pyrene	"	ND	—	0.0952	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	—	0.0952	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	—	0.0952	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	—	0.0952	"	"	"	"	"	
Chrysene	"	ND	—	0.0952	"	"	"	"	"	
Dibenz (a,h) anthracene	"	ND	—	0.0952	"	"	"	"	"	
Fluoranthene	"	ND	—	0.0952	"	"	"	"	"	
Fluorene	"	ND	—	0.0952	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	—	0.0952	"	"	"	"	"	
1-Methylnaphthalene	"	ND	—	0.0952	"	"	"	"	"	
2-Methylnaphthalene	"	ND	—	0.0952	"	"	"	"	"	
Naphthalene	"	ND	—	0.0952	"	"	"	"	"	
Phenanthrene	"	ND	—	0.0952	"	"	"	"	"	
Pyrene	"	ND	—	0.0952	"	"	"	"	"	
Surrogate(s):	Benzo (a) pyrene-d12	63.6%			20 - 125 %	"				
	1-Methylnaphthalene-d10	64.1%			39 - 125 %	"				

TestAmerica - Seattle, WA

Kate Dunning

Kate Hancy, Project Manager

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Kennedy/Jenks Consultants	Project Name: BNSF-Harborview Park	Report Created:
32001 32nd Ave S Ste 100	Project Number: 0496017.01	06/19/07 18:07
Federal Way, WA/USA 98001	Project Manager: Ross Dunning	

Semivolatile Petroleum Products by NWTPH-Dx with Acid/Silica Gel Clean-up - Laboratory Quality Control Results
 TestAmerica - Seattle, WA

QC Batch: 7F01013 Water Preparation Method: EPA 3520C

Analyte	Method	Result	MDL*	MRL	Units	DI	Source Result	Sp(ke Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7F01013-BLK1)										Extracted: 06/01/07 09:29				
Diesel Range Hydrocarbons	NWTPH-Dx	ND	---	0.250	mg/l	1x	--	--	--	--	--	--	06/04/07 19:15	
Lube Oil Range Hydrocarbons	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Surrogate(s): 2-FBP		Recovery: 77.2%		Limits: 53-125%		"							06/04/07 19:15	
Octacosane		100%		68-125%		"							"	
LCS (7F01013-BS1)										Extracted: 06/01/07 09:29				
Diesel Range Hydrocarbons	NWTPH-Dx	1.79	---	0.250	mg/l	1x	--	2.00	89.5%	(61-132)	--	--	06/04/07 19:41	
Surrogate(s): 2-FBP		Recovery: 92.4%		Limits: 53-125%		"							06/04/07 19:41	
Octacosane		98.4%		68-125%		"							"	
Matrix Spike (7F01013-MS1)										QC Source: BQE0535-02 Extracted: 06/01/07 09:29				
Diesel Range Hydrocarbons	NWTPH-Dx	1.67	---	0.236	mg/l	1x	ND	1.89	88.4%	(32-143)	--	--	06/04/07 20:08	
Surrogate(s): 2-FBP		Recovery: 92.4%		Limits: 53-125%		"							06/04/07 20:08	
Octacosane		95.3%		68-125%		"							"	
Matrix Spike Dup (7F01013-MSD1)										QC Source: BQE0535-02 Extracted: 06/01/07 09:29				
Diesel Range Hydrocarbons	NWTPH-Dx	1.65	---	0.236	mg/l	1x	ND	1.89	87.3%	(32-143)	1.20%	[50]	06/04/07 20:34	
Surrogate(s): 2-FBP		Recovery: 96.1%		Limits: 53-125%		"							06/04/07 20:34	
Octacosane		104%		68-125%		"							"	

TestAmerica - Seattle, WA

Kate Haney

Kate Haney, Project Manager

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Kennedy/Jenks Consultants	Project Name: BNSF-Harborview Park	
32001 32nd Ave S Ste 100	Project Number: 0496017.01	Report Created:
Federal Way, WA/USA 98001	Project Manager: Ross Dunning	06/19/07 18:07

Polynuclear Aromatic Compounds by GC/MS with High Volume Injection - Laboratory Quality Control Results
TestAmerica - Seattle, WA

QC Batch: 7F01011	Water Preparation Method: EPA 3520C

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7F01011-BLK2)										Extracted: 06/01/07 09:24				
Acenaphthene	EPA 8270C-11VI	ND	---	0.100	ug/l	1x	--	--	--	--	--	--	06/05/07 13:00	
Acenaphthylene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Anthracene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Benzo (a) anthracene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Benzo (a) pyrene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Benzo (b) fluoranthene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Benzo (k) fluoranthene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Benzo (ghi) perylene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Chrysene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Dibenz (a,h) anthracene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Fluoranthene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Fluorene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Indeno (1,2,3-cd) pyrene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
1-Methylnaphthalene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
2-Methylnaphthalene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Phenanthrene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Pyrene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Surrogate(s): Benzo (a) pyrene-d12 Recovery: 68.6% Limits: 2H-123% " 1-Methylnaphthalene-d10 68.3% 39-125% "														06/05/07 15:00

LCS (7F01011-BS2)										Extracted: 06/01/07 09:24				
Acenaphthene	EPA 8270C-11VI	13.4	---	1.00	ug/l	10x	--	20.0	67.0%	(44-125)	--	--	06/05/07 13:31	
Acenaphthylene	"	14.7	---	1.00	"	"	--	"	73.5%	(51-125)	--	--	"	
Anthracene	"	14.1	---	1.00	"	"	--	"	70.5%	(50-125)	--	--	"	
Benzo (a) anthracene	"	14.7	---	0.100	"	"	--	"	73.5%	"	--	--	"	
Benzo (a) pyrene	"	13.9	---	0.100	"	"	--	"	69.5%	(47-125)	--	--	"	
Benzo (b) fluoranthene	"	14.9	---	0.100	"	"	--	"	74.5%	(50-125)	--	--	"	
Benzo (k) fluoranthene	"	11.9	---	0.100	"	"	--	"	59.5%	(46-125)	--	--	"	
Benzo (ghi) perylene	"	14.3	---	1.00	"	"	--	"	71.5%	(49-125)	--	--	"	
Chrysene	"	14.4	---	0.100	"	"	--	"	72.0%	(53-125)	--	--	"	
Dibenz (a,h) anthracene	"	14.1	---	0.100	"	"	--	"	70.5%	(47-125)	--	--	"	
Fluoranthene	"	14.0	---	1.00	"	"	--	"	70.0%	(55-125)	--	--	"	
Fluorene	"	12.5	---	1.00	"	"	--	"	62.5%	(52-125)	--	--	"	
Indeno (1,2,3-cd) pyrene	"	14.2	---	0.100	"	"	--	"	71.0%	(49-125)	--	--	"	
1-Methylnaphthalene	"	10.8	---	1.00	"	"	--	"	54.0%	(37-125)	--	--	"	
2-Methylnaphthalene	"	11.8	---	1.00	"	"	--	"	59.0%	(40-125)	--	--	"	
Naphthalene	"	13.8	---	1.00	"	"	--	"	69.0%	(42-125)	--	--	"	

TestAmerica - Seattle, WA

Kate Haney

Kate Haney, Project Manager

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Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project Name: BNSF-Harborview Park

Project Number: 0496017.01

Project Manager: Ross Dunning

Report Created:

06/19/07 18:07

Polynuclear Aromatic Compounds by GC/MS with High Volume Injection - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 7F01011

Water Preparation Method: EPA 3520C

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes

LCS (7F01011-BS2)

Extracted: 06/01/07 09:24

Phenanthrene	EPA 8270C-11V1	13.5	---	1.00	ug/l	10x	--	20.0	67.5%	(47-125)	--	--	06/05/07 13:31	
Pyrene	"	14.1	---	1.00	"	"	--	"	70.5%	"	--	--	"	
Surrogate(s): Benzo (a) pyrene-d12		Recovery:	90.0%	Limits: 20-125%	"								06/05/07 13:31	
1-Methylnaphthalene-d10			42.6%	39-125%	"								"	

Matrix Spike (7F01011-MS2)

QC Source: BQE0535-02

Extracted: 06/01/07 09:24

Acenaphthene	EPA 8270C-11V1	12.1	---	1.00	ug/l	10x	ND	20.0	60.5%	(45-125)	--	--	06/05/07 20:46	
Acenaphthylene	"	12.8	---	1.00	"	"	ND	"	64.0%	"	--	--	"	
Anthracene	"	12.8	---	1.00	"	"	0.0221	"	63.9%	"	--	--	"	
Benzo (a) anthracene	"	12.9	---	0.100	"	"	ND	"	64.5%	"	--	--	"	
Benzo (a) pyrene	"	12.0	---	0.100	"	"	ND	"	60.0%	"	--	--	"	
Benzo (b) fluoranthene	"	11.7	---	0.100	"	"	ND	"	58.5%	"	--	--	"	
Benzo (k) fluoranthene	"	12.3	---	0.100	"	"	ND	"	61.5%	"	--	--	"	
Benzo (ghi) perylene	"	11.7	---	1.00	"	"	ND	"	58.5%	"	--	--	"	
Chrysene	"	13.2	---	0.100	"	"	ND	"	66.0%	"	--	--	"	
Dibenz (a,h) anthracene	"	11.9	---	0.100	"	"	ND	"	59.5%	"	--	--	"	
Fluoranthene	"	13.4	---	1.00	"	"	ND	"	67.0%	(47-125)	--	--	"	
Fluorene	"	12.0	---	1.00	"	"	ND	"	60.0%	(45-125)	--	--	"	
Indeno (1,2,3-cd) pyrene	"	11.7	---	0.100	"	"	ND	"	58.5%	"	--	--	"	
1-Methylnaphthalene	"	10.8	---	1.00	"	"	ND	"	54.0%	"	--	--	"	
2-Methylnaphthalene	"	10.8	---	1.00	"	"	ND	"	54.0%	"	--	--	"	
Naphthalene	"	13.1	---	1.00	"	"	ND	"	65.5%	"	--	--	"	
Phenanthrene	"	12.6	---	1.00	"	"	0.00677	"	63.0%	"	--	--	"	
Pyrene	"	12.5	---	1.00	"	"	ND	"	62.5%	"	--	--	"	
Surrogate(s): Benzo (a) pyrene-d12		Recovery:	67.4%	Limits: 20-125%	"								06/05/07 20:46	
1-Methylnaphthalene-d10			39.4%	39-125%	"								"	

Matrix Spike Dup (7F01011-MSD2)

QC Source: DQE0535-02

Extracted: 06/01/07 09:24

Acenaphthene	EPA 8270C-11V1	12.7	---	1.00	ug/l	10x	ND	20.0	63.5%	(45-125)	4.84%	(40)	06/05/07 21:17	
Acenaphthylene	"	13.4	---	1.00	"	"	ND	"	67.0%	"	4.58%	"	"	
Anthracene	"	13.2	---	1.00	"	"	0.0221	"	65.9%	"	3.08%	"	"	
Benzo (a) anthracene	"	13.6	---	0.100	"	"	ND	"	68.0%	"	5.28%	"	"	
Benzo (a) pyrene	"	12.0	---	0.100	"	"	ND	"	60.0%	"	0.00%	"	"	
Benzo (b) fluoranthene	"	12.3	---	0.100	"	"	ND	"	61.5%	"	3.00%	"	"	
Benzo (k) fluoranthene	"	12.0	---	0.100	"	"	ND	"	60.0%	"	2.47%	"	"	
Benzo (ghi) perylene	"	11.9	---	1.00	"	"	ND	"	59.5%	"	1.69%	"	"	
Chrysene	"	13.4	---	0.100	"	"	ND	"	67.0%	"	1.50%	"	"	
Dibenz (a,h) anthracene	"	12.0	---	0.100	"	"	ND	"	60.0%	"	0.837%	"	"	

TestAmerica - Seattle, WA

Kate Haney

Kate Haney, Project Manager

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Kennedy/Jenks Consultants	Project Name: BNSF-Harborview Park	
32001 32nd Ave S Ste 100	Project Number: 0496017.01	Report Created:
Federal Way, WA/USA 98001	Project Manager: Ross Dunning	06/19/07 18:07

Polynuclear Aromatic Compounds by GC/MS with High Volume Injection - Laboratory Quality Control Results
 TestAmerica - Seattle, WA

QC Batch: 7F01011 **Water Preparation Method:** EPA 3520C

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Matrix Spike Dup (7F01011-MSD2)			QC Source: BQEa535-02			Extracted: 06/01/07 09:24								
Fluoranthene	EPA 8270C-11V1	12.8	---	1.00	ug/l	10x	ND	20.0	69.0%	(47-125)	2.94%	(40)	06/05/07 21:17	
Fluorene	"	12.4	---	1.00	"	"	ND	"	62.0%	(45-125)	2.28%	"	"	
Indeno (1,2,3-cd) pyrene	"	11.9	---	0.100	"	"	ND	"	59.5%	"	1.69%	"	"	
1-Methylnaphthalene	"	12.6	---	1.00	"	"	ND	"	68.0%	"	22.0%	"	"	
2-Methylnaphthalene	"	14.7	---	1.00	"	"	ND	"	73.5%	"	20.6%	"	"	
Naphthalene	"	17.4	---	1.00	"	"	ND	"	87.0%	"	28.2%	"	"	
Phenanthrene	"	12.2	---	1.00	"	"	0.00677	"	66.0%	"	4.65%	"	"	
Pyrene	"	12.7	---	1.00	"	"	ND	"	62.5%	"	1.59%	"	"	
Surrogate(s): Benzo (cd) pyrene-d12		Recovery: 69.2%	Limits: 20-125%		06/05/07 21:17									
1-Methylnaphthalene-d10		58.2%	30-125%		"									

TestAmerica - Seattle, WA

Kate Haney

Kate Haney, Project Manager

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Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project Name: **BNSF-Harborview Park**

Project Number: 0496017.01

Project Manager: Ross Dunning

Report Created:

06/19/07 18:07

Notes and Definitions

Report Specific Notes:

C - Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.

Laboratory Reporting Conventions:

- DET - Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only.
- ND - Analyte NOT DETECTED at or above the reporting limit (MDL or MRL, as appropriate).
- NR/NA - Not Reported / Not Available
- dry - Sample results reported on a Dry Weight Basis. Results and Reporting Limits have been corrected for Percent Dry Weight.
- wet - Sample results and reporting limits reported on a Wet Weight Basis (as received). Results with neither 'wet' nor 'dry' are reported on a Wet Weight Basis.
- RPD - RELATIVE PERCENT DIFFERENCE (RPDs calculated using Results, not Percent Recoveries).
- MRL - METHOD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.
- MDL* - METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B.
*MDLs are listed on the report only if the data has been evaluated below the MRL. Results between the MDL and MRL are reported as Estimated Results.
- Dil - Dilutions are calculated based on deviations from the standard dilution performed for an analysis, and may not represent the dilution found on the analytical raw data.
- Reporting Limits - Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and percent solids, where applicable.
- Electronic Signature - Electronic Signature added in accordance with TestAmerica's *Electronic Reporting and Electronic Signatures Policy*.
Application of electronic signature indicates that the report has been reviewed and approved for release by the laboratory.
Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

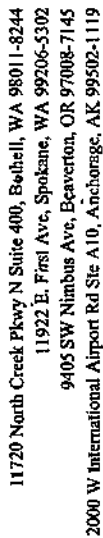
TestAmerica - Seattle, WA

Kate Dunning

Kate Hancy, Project Manager

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Work Order #: BQF003

Feb 10:45 w/o

June 19, 2007

Ross Dunning
Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

RE: BNSF-Harborview Park

Enclosed are the results of analyses for samples received by the laboratory on 05/25/07 16:45.
The following list is a summary of the Work Orders contained in this report, generated on 06/19/07
18:05.

If you have any questions concerning this report, please feel free to contact me.

<u>Work Order</u>	<u>Project</u>	<u>ProjectNumber</u>
BQE0468	BNSF-Harborview Park	0496017.01

TestAmerica - Seattle, WA

Kate Hancy

Kate Hancy, Project Manager

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of custody document. This analytical report shall not be reproduced except in full,
without the written approval of the laboratory.*



Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project Name: **BNSF-Harborview Park**

Project Number: **0496017.01**

Project Manager: **Ross Dunning**

Report Created:

06/19/07 18:05

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-2	BQE0468-01	Water	05/25/07 10:30	05/25/07 16:45

TestAmerica - Seattle, WA

Kate Haney

Kate Haney, Project Manager

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Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project Name: **BNSF-Harborview Park**

Project Number: 0496017.01

Project Manager: Ross Dunning

Report Created:

06/19/07 18:05

Analytical Case Narrative

TestAmerica - Seattle, WA

BQE0468

SAMPLE RECEIPT

The samples were received May 25th, 2007 by TestAmerica - Seattle. The temperature of the samples at the time of receipt was 9.1 degrees Celsius.

PREPARATIONS AND ANALYSIS

Semivolatile Petroleum Products by NWTPH-Dx with Acid/Silica Gel Clean-up: No additional anomalies, discrepancies, or issues were associated with sample preparation, analysis and quality control other than those already qualified in the data and described in the Notes and Definitions page at the end of the report.

Semivolatile Organic Compounds by EPA Method 8270C with High Volume Injection: No anomalies were associated with the sample preparation and analysis. All criteria for acceptable QC measurements were met.

TestAmerica - Seattle, WA

Kate Hancy

Kate Hancy, Project Manager

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Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project Name: **BNSF-Harborview Park**

Project Number: 0496017.01

Project Manager: Ross Dunning

Report Created:

06/19/07 18:05

Semivolatile Petroleum Products by NWTPH-Dx with Acid/Silica Gel Clean-up
 TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQE0468-01 (MW-2)		Water		Sampled: 05/25/07 10:30						
Diesel Range Hydrocarbons	NWTPH-Dx	ND	-----	0.243	mg/l	1x	7F01013	06/01/07 09:29	06/05/07 01:23	
Lube Oil Range Hydrocarbons	"	ND	-----	0.485	"	"	"	"	"	C
<i>Surrogate(s): 2-FBP</i>			74.1%		53 - 125 %	"			"	
<i>Octacosane</i>			95.1%		68 - 125 %	"			"	

TestAmerica - Seattle, WA

Kate Dunning

Kate Dunning, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report shall not be reproduced except in full, without the written approval of the laboratory.



Polynuclear Aromatic Compounds by GC/MS with High Volume Injection
TestAmerica - Seattle, WA

TestAmerica - Seattle, WA

Kate Hancy, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report shall not be reproduced except in full, without the written approval of the laboratory.

Kennedy/Jenks Consultants	Project Name: BNSF-Harborview Park	
32001 32nd Ave S Ste 100	Project Number: 0496017.01	Report Created:
Federal Way, WA/USA 98001	Project Manager: Ross Dunning	06/19/07 18:05

Semivolatile Petroleum Products by NWTPH-Dx with Acid/Silica Gel Clean-up - Laboratory Quality Control Results
 TestAmerica - Seattle, WA

QC Batch: 7F01013	Water Preparation Method: EPA 3520C

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7F01013-BLK1)										Extracted: 06/01/07 09:29				
Diesel Range Hydrocarbons	NWTPH-Dx	ND	---	0.250	mg/l	1x	--	--	--	--	--	--	06/04/07 19:15	
Lube Oil Range Hydrocarbons	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Surrogate(s): 2-FBP		Recovery: 77.2%		Limits: 53-125%	"								06/04/07 19:15	
Octacosane		100%		68-125%	"								"	
LCS (7F01013-BS1)										Extracted: 06/01/07 09:29				
Diesel Range Hydrocarbons	NWTPH-Dx	1.79	---	0.250	mg/l	1x	--	2.00	89.5%	[61-132]	--	--	06/04/07 19:41	
Surrogate(s): 2-FBP		Recovery: 92.4%		Limits: 53-125%	"								06/04/07 19:41	
Octacosane		98.4%		68-125%	"								"	
Matrix Spike (7F01013-MS1)										QC Source: BQE0535-02 Extracted: 06/01/07 09:29				
Diesel Range Hydrocarbons	NWTPH-Dx	1.67	---	0.236	mg/l	1x	ND	1.89	88.4%	(32-143)	--	--	06/04/07 20:08	
Surrogate(s): 2-FBP		Recovery: 92.4%		Limits: 53-125%	"								06/04/07 20:08	
Octacosane		95.3%		68-125%	"								"	
Matrix Spike Dup (7F01013-MSD1)										QC Source: BQE0535-02 Extracted: 06/01/07 09:29				
Diesel Range Hydrocarbons	NWTPH-Dx	1.65	---	0.236	mg/l	1x	ND	1.89	87.3%	(32-143)	1.20% (50)		06/04/07 20:34	
Surrogate(s): 2-FBP		Recovery: 96.2%		Limits: 53-125%	"								06/04/07 20:34	
Octacosane		204%		68-125%	"								"	

TestAmerica - Seattle, WA

Kate Hancy

Kate Hancy, Project Manager

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Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project Name: BNSF-Harborview Park

Project Number: 0496017.01

Project Manager: Ross Dunning

Report Created:

06/19/07 18:05

Polynuclear Aromatic Compounds by GC/MS with High Volume Injection - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 7F01011

Water Preparation Method: EPA 3520C

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(L/m(ts)	% RPD	(Limits)	Analyzed	Notes
Blank (7F01011-BLK2)										Extracted: 06/01/07 09:24				
Acenaphthene	EPA 8270C-11V1	ND	---	0.100	ug/l	1x	--	--	--	--	--	--	06/05/07 13:00	
Acenaphthylene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Anthracene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Benzo (a) anthracene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Benzo (a) pyrene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Benzo (b) fluoranthene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Benzo (k) fluoranthene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Benzo (ghi) perylene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Chrysene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Dibenz (a,h) anthracene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Fluoranthene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Fluorene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Indeno (1,2,3-cd) pyrene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
1-Methylnaphthalene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
2-Methylnaphthalene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Phenanthrene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Pyrene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Surrogate(s): Benzo (a) pyrene-d12										Recovery: 60.6%				
1-Methylnaphthalene-d10										Limits: 20-125%				
										39-125%				
										06/05/07 13:00				

LCS (7F01011-BS2)

Extracted: 06/01/07 09:24

Acenaphthene	EPA 8270C-11V1	13.4	---	1.00	ug/l	10x	--	20.0	67.0%	(44-125)	--	--	06/05/07 13:31	
Acenaphthylene	"	14.7	---	1.00	"	"	--	"	73.5%	(51-125)	--	--	"	
Anthracene	"	14.1	---	1.00	"	"	--	"	70.5%	(50-125)	--	--	"	
Benzo (a) anthracene	"	14.7	---	0.100	"	"	--	"	73.5%	"	--	--	"	
Benzo (a) pyrene	"	13.9	---	0.100	"	"	--	"	69.5%	(47-125)	--	--	"	
Benzo (b) fluoranthene	"	14.9	---	0.100	"	"	--	"	74.5%	(50-125)	--	--	"	
Benzo (k) fluoranthene	"	11.9	---	0.100	"	"	--	"	59.5%	(46-125)	--	--	"	
Benzo (ghi) perylene	"	14.3	---	1.00	"	"	--	"	71.5%	(49-125)	--	--	"	
Chrysene	"	14.4	---	0.100	"	"	--	"	72.0%	(53-125)	--	--	"	
Dibenz (a,h) anthracene	"	14.1	---	0.100	"	"	--	"	70.5%	(47-125)	--	--	"	
Fluoranthene	"	14.0	---	1.00	"	"	--	"	70.0%	(55-125)	--	--	"	
Fluorene	"	12.5	---	1.00	"	"	--	"	62.5%	(52-125)	--	--	"	
Indeno (1,2,3-cd) pyrene	"	14.2	---	0.100	"	"	--	"	71.0%	(49-125)	--	--	"	
1-Methylnaphthalene	"	10.8	---	1.00	"	"	--	"	54.0%	(37-125)	--	--	"	
2-Methylnaphthalene	"	11.8	---	1.00	"	"	--	"	59.0%	(40-125)	--	--	"	
Naphthalene	"	13.8	---	1.00	"	"	--	"	69.0%	(42-125)	--	--	"	

TestAmerica - Seattle, WA

Kate Haney

Kate Haney, Project Manager

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Kennedy/Jenks Consultants	Project Name: BNSF-Harborview Park	
32001 32nd Ave S Ste 100	Project Number: 0496017.01	Report Created:
Federal Way, WA/USA 98001	Project Manager: Ross Dunning	06/19/07 18:05

Polynuclear Aromatic Compounds by GC/MS with High Volume Injection - Laboratory Quality Control Results
TestAmerica - Seattle, WA

QC Batch: 7F01011 Water Preparation Method: EPA 3520C

Analyte	Method	Result	M2DL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes	
LCS (7F01011-BS2)										Extracted: 06/01/07 09:24					
Phenanthrene	EPA 8270C-11V1	13.5	---	1.00	ug/l	10x	--	20.0	67.5%	(47-125)	--	--	06/05/07 13:31		
Pyrene	"	14.1	---	1.00	"	"	--	"	70.5%	"	--	--	"		
Surrogate(s): Benzo (a) pyrene-d12		Recovery:	90.0%	Limits: 20-125%		"								06/05/07 13:31	
1-Methylnaphthalene-d10			42.6%	39-125%		"									

Matrix Spike (7F01011-MS2)			QC Source: BQE0535-02					Extracted: 06/01/07 09:24						
Acenaphthene	EPA 8270C-11V1	12.1	---	1.00	ug/l	10x	ND	20.0	60.5%	(45-125)	---	---	06/05/07 20:46	
Acenaphthylene	"	12.8	---	1.00	"	"	ND	"	64.0%	"	---	---	"	
Anthracene	"	12.8	---	1.00	"	"	0.0221	"	63.9%	"	---	---	"	
Benzo (a) anthracene	"	12.9	---	0.100	"	"	ND	"	64.5%	"	---	---	"	
Benzo (a) pyrene	"	12.0	---	0.100	"	"	ND	"	60.0%	"	---	---	"	
Benzo (b) fluoranthene	"	11.7	---	0.100	"	"	ND	"	58.5%	"	---	---	"	
Benzo (k) fluoranthene	"	12.3	---	0.100	"	"	ND	"	61.5%	"	---	---	"	
Benzo (ghi) perylene	"	11.7	---	1.00	"	"	ND	"	58.5%	"	---	---	"	
Chrysene	"	13.2	---	0.100	"	"	ND	"	66.0%	"	---	---	"	
Dibenz (a,h) anthracene	"	11.9	---	0.100	"	"	ND	"	59.5%	"	---	---	"	
Fluoranthene	"	13.4	---	1.00	"	"	ND	"	67.0%	(47-125)	---	---	"	
Fluorene	"	12.0	---	1.00	"	"	ND	"	60.0%	(45-125)	---	---	"	
Indeno (1,2,3-cd) pyrene	"	11.7	---	0.100	"	"	ND	"	58.5%	"	---	---	"	
1-Methylnaphthalene	"	10.8	---	1.00	"	"	ND	"	54.0%	"	---	---	"	
2-Methylnaphthalene	"	10.8	---	1.00	"	"	ND	"	54.0%	"	---	---	"	
Naphthalene	"	13.1	---	1.00	"	"	ND	"	65.5%	"	---	---	"	
Phenanthrene	"	12.6	---	1.00	"	"	0.00677	"	63.0%	"	---	---	"	
Pyrene	"	12.5	---	1.00	"	"	ND	"	62.5%	"	---	---	"	
Surrogate(s):	Benzo (a) pyrene-d12	Recovery:	67.4%	Limits:	20-125%	"	06/05/07 20:46							
	2-Methylnaphthalene-d10		39.4%		39-125%	"								

Matrix Spike Dup (7F01011-MSD2)										QC Source: BQE0535-02				
										Extracted: 06/01/07 09:24				
Acenaphthene	EPA 8270C-11V1	12.7	---	1.00	ug/l	10x	ND	20.0	63.5%	(45-125)	4.84%	(40)	06/05/07 21:17	
Acenaphthylene	"	13.4	---	1.00	"	"	ND	"	67.0%	"	4.58%	"	"	
Anthracene	"	13.2	---	1.00	"	"	0.0221	"	65.9%	"	3.08%	"	"	
Benzo (a) anthracene	"	13.6	---	0.100	"	"	ND	"	68.0%	"	5.28%	"	"	
Benzo (a) pyrene	"	12.0	---	0.100	"	"	ND	"	60.0%	"	0.00%	"	"	
Benzo (b) fluoranthene	"	12.3	---	0.100	"	"	ND	"	61.5%	"	5.00%	"	"	
Benzo (k) fluoranthene	"	12.0	---	0.100	"	"	ND	"	60.0%	"	2.47%	"	"	
Benzo (ghi) perylene	"	11.9	---	1.00	"	"	ND	"	59.5%	"	1.69%	"	"	
Chrysene	"	13.4	---	0.100	"	"	ND	"	67.0%	"	1.50%	"	"	
Dibenz (a,h) anthracene	"	12.0	---	0.100	"	"	ND	"	60.0%	"	0.837%	"	"	

TestAmerica - Seattle, WA

Kate Haney

Kate Haney, Project Manager

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Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project Name: **BNSF-Harborview Park**

Project Number: 0496017.01

Project Manager: Ross Dunning

Report Created:

06/19/07 18:05

Polynuclear Aromatic Compounds by GC/MS with High Volume Injection - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 7F01011

Water Preparation Method: EPA 3520C

Analyte	Method	Result	MDL*	MRL	Units	lit	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Matrix Spike Dup (7F01011-MSD2)			QC Source: BQE0535-02					Extracted: 06/01/07 09:24						
Fluoranthene	EPA 8270C-IV/VI	13.8	---	1.00	ug/L	10x	ND	20.0	69.0%	(47-125)	2.94%	(40)	06/05/07 21:17	
Fluorene	"	12.4	---	1.00	"	"	ND	"	62.0%	(45-125)	3.28%	"	"	
Indeno [1,2,7-cd] pyrene	"	11.9	---	0.100	"	"	ND	"	59.5%	"	1.69%	"	"	
1-Methylnaphthalene	"	13.6	---	1.00	"	"	ND	"	68.0%	"	23.0%	"	"	
2-Methylnaphthalene	"	14.7	---	1.00	"	"	ND	"	73.5%	"	70.6%	"	"	
Naphthalene	"	17.4	---	1.00	"	"	ND	"	87.0%	"	28.2%	"	"	
Phenanthrene	"	13.2	---	1.00	"	"	0.00677	"	66.0%	"	4.65%	"	"	
Pyrene	"	12.7	---	1.00	"	"	ND	"	63.5%	"	1.59%	"	"	
Surrogate(s): Benzo (a) pyrene-d12		Recovery:	69.2%	Limits: 20-125%		"	06/05/07 21:17							
1-Methylnaphthalene-d10		58.2%	39-125%		"									

TestAmerica - Seattle, WA

Kate Dunning

Kate Hancy, Project Manager

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Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project Name: **BNSF-Harborview Park**

Project Number: 0496017.01

Project Manager: Ross Dunning

Report Created:

06/19/07 18:05

Notes and Definitions

Report Specific Notes:

- C - Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.

Laboratory Reporting Conventions:

- DET - Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only.
- ND - Analyte NDT DETECTED at or above the reporting limit (MDL or MRL, as appropriate).
- NR/NA - Not Reported / Not Available
- dry - Sample results reported on a Dry Weight Basis. Results and Reporting Limits have been corrected for Percent Dry Weight.
- wet - Sample results and reporting limits reported on a Wet Weight Basis (as received). Results with neither 'wet' nor 'dry' are reported on a Wet Weight Basis.
- RPD - RELATIVE PERCENT DIFFERENCE (RPDs calculated using Results, not Percent Recoveries).
- MRL - METHOD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.
- MDL* - METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B. *MDLs are listed on the report only if the data has been evaluated below the MRL. Results between the MDL and MRL are reported as Estimated Results.
- Dil - Dilutions are calculated based on deviations from the standard dilution performed for an analysis, and may not represent the dilution found on the analytical raw data.
- Reporting Limits - Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and percent solids, where applicable.
- Electronic Signature - Electronic Signature added in accordance with TestAmerica's *Electronic Reporting and Electronic Signatures Policy*. Application of electronic signature indicates that the report has been reviewed and approved for release by the laboratory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

TestAmerica - Seattle, WA

Kate Dunning

Kate Haney, Project Manager

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TestAmerica

ANALYTICAL TESTING CORPORATION

11720 North Lirick Pkwy N Suite 400, Bothell, WA 98011-8244
 425-420-9200 FAX 420-9210
 11922 E. First Ave, Spokane, WA 99206-5302 FAX 924-9290
 9405 SW Nimbus Ave, Beaverton, OR 97008-7145 FAX 906-9210
 3000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 FAX 563-9210

CHAIN OF CUSTODY REPORT

Work Order #: **BQED4408**

CLIENT: BWSF / Kennedy / Jenks REPORT TO: Ross Dunning, Kennedy / Jenks ADDRESS: 32001 32nd Ave S, Ste 100 Federal Way, WA 98001 PHONE: 253 874 0555 FAX: 253 875 23435 PROJECT NAME: BWSF Harborview PROJECT NUMBER: 0496017.01 SAMPLED BY: DKM (K/S)		INVOICE TO: BWSF Attn Bruce Sheppard Re-Approval by K/S (Ross Dunning) P.O. NUMBER:		TURNAROUND REQUEST In Business Days: ☒ 7 ☐ 5 ☐ 4 ☐ 3 ☐ 2 ☐ 1 ☐ <1 Organic & Inorganic Analyses Petroleum Hydrocarbon Analyses ☒ 4 ☐ 3 ☐ 2 ☐ 1 ☐ <1 OTHER: ☐ Specify:	
PRESERVATIVE REQUESTED ANALYSES		MATRIX W-4 LOCATION / COMMENTS TA W-01		* Turnaround Requested less than Standard may incur Rush Charge.	
CLIENT SAMPLE IDENTIFICATION MW-2 5/25/07 1030 X		SAMPLING DATE/TIME 5/25/07 1030 X		RECEIVED BY: <i>[Signature]</i> PRINT NAME: FRANCISCE LANG JR. DATE: 5/25/07 TIME: 1045	
RELEASED BY: <i>[Signature]</i> PRINT NAME: DENA MALK DATE: 5/25/07 TIME: 1045		RECEIVED BY: <i>[Signature]</i> PRINT NAME: FRANCISCE LANG JR. DATE: 5/25/07 TIME: 1045		ADDITIONAL REMARKS: @Lab 1645 v10	

Note: By relinquishing samples to TestAmerica, client agrees to pay for the services requested on this chain of custody form and for any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice unless otherwise contracted. Sample(s) will be disposed of after 30 days unless otherwise contracted.

March 07, 2007

Ross Dunning
Kennedy/Jenks Consultants
32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

RE: Harborview

Enclosed are the results of analyses for samples received by the laboratory on 02/26/07 14:15.
The following list is a summary of the Work Orders contained in this report, generated on 03/07/07 16:59.

If you have any questions concerning this report, please feel free to contact me.

<u>Work Order</u>	<u>Project</u>	<u>ProjectNumber</u>
BQB0496	Harborview	[none]

TestAmerica - Seattle, WA

Kate Hancy

Kate Hancy, Project Manager

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Kennedy/Jenks Consultants	Project Name: Harborview	
32001 32nd Ave S Ste 100	Project Number: [none]	Report Created:
Federal Way, WA/USA 98001	Project Manager: Ross Dunning	03/07/07 16:59

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SP-1	BQB0496-01	Soil	02/26/07 11:30	02/26/07 14:15
SP-2	BQB0496-02	Soil	02/26/07 11:35	02/26/07 14:15
SP-3	BQB0496-03	Soil	02/26/07 11:40	02/26/07 14:15
SP-4	BQB0496-04	Soil	02/26/07 11:45	02/26/07 14:15
SP-5	BQB0496-05	Soil	02/26/07 11:50	02/26/07 14:15
SP-6	BQB0496-06	Soil	02/26/07 11:55	02/26/07 14:15
SP-7	BQB0496-07	Soil	02/26/07 12:00	02/26/07 14:15
SP-8	BQB0496-08	Soil	02/26/07 12:05	02/26/07 14:15
SP-9	BQB0496-09	Soil	02/26/07 12:10	02/26/07 14:15
SP-10	BQB0496-10	Soil	02/26/07 12:15	02/26/07 14:15
SP-11	BQB0496-11	Soil	02/26/07 12:20	02/26/07 14:15
SP-12	BQB0496-12	Soil	02/26/07 12:25	02/26/07 14:15
SP-13	BQB0496-13	Soil	02/26/07 12:30	02/26/07 14:15
SP-14	BQB0496-14	Soil	02/26/07 12:35	02/26/07 14:15
SP-15	BQB0496-15	Soil	02/26/07 12:40	02/26/07 14:15
SP-16	BQB0496-16	Soil	02/26/07 12:45	02/26/07 14:15
SP-17	BQB0496-17	Soil	02/26/07 12:50	02/26/07 14:15
SP-18	BQB0496-18	Soil	02/26/07 12:55	02/26/07 14:15
SP-19	BQB0496-19	Soil	02/26/07 13:00	02/26/07 14:15
SP-20	BQB0496-20	Soil	02/26/07 13:05	02/26/07 14:15
Composite SP-1:SP-5	BQB0496-21	Soil	02/26/07 12:00	02/26/07 14:15
Composite SP-6:SP-10	BQB0496-22	Soil	02/26/07 12:00	02/26/07 14:15
Composite SP-11:SP-15	BQB0496-23	Soil	02/26/07 12:00	02/26/07 14:15
Composite SP-16:SP-20	BQB0496-24	Soil	02/26/07 12:00	02/26/07 14:15

TestAmerica - Seattle, WA

Kate Haney

Kate Haney, Project Manager

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Kennedy/Jenks Consultants
 32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project Name: **Harborview**
 Project Number: [none]
 Project Manager: Ross Dunning

Report Created:
 03/07/07 16:59

Hydrocarbon Identification by Washington DOE Method NWTPH-HCID

TestAmerica - Seattle, WA

Analyte	Method	Result	N7DL*	MRL	Units	QI	Batch	Prepared	Analyzed	Notes
BQB0496-21 (Composite SP-1:SP-5)		Soil		Sampled: 02/26/07 12:00						
Gx Range Hydrocarbons	NWTPH-HCID	ND	----	20.8	mg/kg dry	1x	7C01015	03/01/07 10:39	03/02/07 00:53	
Kerosene Range Hydrocarbons	"	ND	----	52.1	"	"	"	"	"	
Diesel Range Hydrocarbons	"	ND	----	52.1	"	"	"	"	"	
Insulating Oil Range Hydrocarbons	"	ND	----	104	"	"	"	"	"	
Heavy Fuel Oil Range Hydrocarbons	"	ND	----	104	"	"	"	"	"	
Lube Oil Range Hydrocarbons	"	ND	----	104	"	"	"	"	"	
Surrogate(s): 2-FBP		105%		50 - 150 %	"					
Octacosane		95.4%		50 - 150 %	"					
BQB0496-22 (Composite SP-6:SP-10)		Soil		Sampled: 02/26/07 12:00						
Gx Range Hydrocarbons	NWTPH-HCID	ND	----	21.0	mg/kg dry	1x	7C01015	03/01/07 10:39	03/02/07 01:22	
Kerosene Range Hydrocarbons	"	ND	----	52.5	"	"	"	"	"	
Diesel Range Hydrocarbons	"	ND	----	52.5	"	"	"	"	"	
Insulating Oil Range Hydrocarbons	"	ND	----	105	"	"	"	"	"	
Heavy Fuel Oil Range Hydrocarbons	"	ND	----	105	"	"	"	"	"	
Lube Oil Range Hydrocarbons	"	ND	----	105	"	"	"	"	"	
Surrogate(s): 2-FBP		105%		50 - 150 %	"					
Octacosane		96.2%		50 - 150 %	"					
BQB0496-23 (Composite SP-11:SP-15)		Soil		Sampled: 02/26/07 12:00						
Gx Range Hydrocarbons	NWTPH-HCID	ND	----	21.4	mg/kg dry	1x	7C01015	03/01/07 10:39	03/02/07 01:51	
Kerosene Range Hydrocarbons	"	ND	----	53.5	"	"	"	"	"	
Diesel Range Hydrocarbons	"	ND	----	53.5	"	"	"	"	"	
Insulating Oil Range Hydrocarbons	"	ND	----	107	"	"	"	"	"	
Heavy Fuel Oil Range Hydrocarbons	"	ND	----	107	"	"	"	"	"	
Lube Oil Range Hydrocarbons	"	ND	----	107	"	"	"	"	"	
Surrogate(s): 2-FBP		104%		50 - 150 %	"					
Octacosane		94.8%		50 - 150 %	"					
BQB0496-24 (Composite SP-16:SP-20)		Soil		Sampled: 02/26/07 12:00						
Gx Range Hydrocarbons	NWTPH-HCID	ND	----	21.7	mg/kg dry	1x	7C01015	03/01/07 10:39	03/02/07 02:21	
Kerosene Range Hydrocarbons	"	ND	----	54.3	"	"	"	"	"	
Diesel Range Hydrocarbons	"	ND	----	54.3	"	"	"	"	"	
Insulating Oil Range Hydrocarbons	"	ND	----	109	"	"	"	"	"	
Heavy Fuel Oil Range Hydrocarbons	"	ND	----	109	"	"	"	"	"	
Lube Oil Range Hydrocarbons	"	ND	----	109	"	"	"	"	"	
Surrogate(s): 2-FBP		105%		50 - 150 %	"					
Octacosane		94.9%		50 - 150 %	"					

TestAmerica - Seattle, WA

Kate Dunning

Kate Haney, Project Manager

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Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project Name: **Harborview**

Project Number: (none)

Project Manager: Ross Dunning

Report Created:

03/07/07 16:59

Total Metals by EPA 6000/7000 Series Methods

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQB0496-01 (SP-1)		Soil		Sampled: 02/26/07 11:30						
Arsenic	EPA 6020	9.97	—	0.540	mg/kg dry	1x	7B27013	02/27/07 09:34	02/27/07 16:23	
Barium	"	75.1	—	5.40	"	"	"	"	"	
Cadmium	"	ND	—	0.540	"	"	"	"	"	
Chromium	"	11.8	—	0.540	"	"	"	"	"	
Lead	"	1.28	—	0.540	"	"	"	"	"	
Mercury	EPA 7471A	ND	—	0.101	"	"	7B27043	02/27/07 13:33	02/27/07 16:17	N12
Selenium	EPA 6020	ND	—	0.540	"	"	7B27013	02/27/07 09:34	02/27/07 16:23	
Silver	"	ND	—	0.540	"	"	"	"	"	
BQB0496-02 (SP-2)		Soil		Sampled: 02/26/07 11:35						
Arsenic	EPA 6020	6.8 t	—	0.506	mg/kg dry	1x	7B27013	02/27/07 09:34	02/27/07 16:29	
Barium	"	67.8	—	5.06	"	"	"	"	"	
Cadmium	"	ND	—	0.506	"	"	"	"	"	
Chromium	"	15.3	—	0.506	"	"	"	"	"	
Lead	"	4.44	—	0.506	"	"	"	"	"	
Mercury	EPA 7471A	ND	—	0.0954	"	"	7B27043	02/27/07 13:33	02/27/07 16:20	
Selenium	EPA 6020	ND	—	0.506	"	"	7B27013	02/27/07 09:34	02/27/07 16:29	
Silver	"	ND	—	0.506	"	"	"	"	"	
BQB0496-03 (SP-3)		Soil		Sampled: 02/26/07 11:40						
Arsenic	EPA 6020	10.1	—	0.527	mg/kg dry	1x	7B27013	02/27/07 09:34	02/27/07 16:35	
Barium	"	68.6	—	5.27	"	"	"	"	"	
Cadmium	"	ND	—	0.527	"	"	"	"	"	
Chromium	"	16.2	—	0.527	"	"	"	"	"	
Lead	"	7.32	—	0.527	"	"	"	"	"	
Mercury	EPA 7471A	ND	—	0.0948	"	"	7B27043	02/27/07 13:33	02/27/07 16:22	
Selenium	EPA 6020	ND	—	0.527	"	"	7B27013	02/27/07 09:34	02/27/07 16:35	
Silver	"	ND	—	0.527	"	"	"	"	"	
BQB0496-04 (SP-4)		Soil		Sampled: 02/26/07 11:45						
Arsenic	EPA 6020	8.44	—	0.552	mg/kg dry	1x	7B27013	02/27/07 09:34	02/27/07 16:41	
Barium	"	79.6	—	5.52	"	"	"	"	"	
Cadmium	"	ND	—	0.552	"	"	"	"	"	
Chromium	"	18.1	—	0.552	"	"	"	"	"	
Lead	"	5.09	—	0.552	"	"	"	"	"	
Mercury	EPA 7471A	ND	—	0.110	"	"	7B27043	02/27/07 13:33	02/27/07 16:25	
Selenium	EPA 6020	ND	—	0.552	"	"	7B27013	02/27/07 09:34	02/27/07 16:41	
Silver	"	ND	—	0.552	"	"	"	"	"	

TestAmerica - Seattle, WA

Kate Dunning

Kate Haney, Project Manager

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Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project Name: **Harborview**

Project Number: [none]

Project Manager: Ross Dunning

Report Created:

03/07/07 16:59

Total Metals by EPA 6000/7000 Series Methods

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQB0496-05 (SP-5)		Soil		Sampled: 02/26/07 11:50						
Arsenic	EPA 6020	8.40	----	0.541	mg/kg dry	1x	7B27013	02/27/07 09:34	02/27/07 16:47	
Barium	"	79.2	----	5.41	"	"	"	"	"	
Cadmium	"	ND	----	0.541	"	"	"	"	"	
Chromium	"	16.7	----	0.541	"	"	"	"	"	
Lead	"	4.06	----	0.541	"	"	"	"	"	
Mercury	EPA 7471A	ND	----	0.0936	"	"	7B27043	02/27/07 13:33	02/27/07 16:27	
Selenium	EPA 6020	ND	----	0.541	"	"	7B27013	02/27/07 09:34	02/27/07 16:47	
Silver	"	ND	----	0.541	"	"	"	"	"	
BQB0496-06 (SP-6)		Soil		Sampled: 02/26/07 11:55						
Arsenic	EPA 6020	7.44	----	0.514	mg/kg dry	1x	7B27013	02/27/07 09:34	02/27/07 16:53	
Barium	"	76.6	----	5.14	"	"	"	"	"	
Cadmium	"	ND	----	0.514	"	"	"	"	"	
Chromium	"	17.5	----	0.514	"	"	"	"	"	
Lead	"	5.62	----	0.514	"	"	"	"	"	
Mercury	EPA 7471A	ND	----	0.0985	"	"	7B27043	02/27/07 13:33	02/27/07 16:42	
Selenium	EPA 6020	ND	----	0.514	"	"	7B27013	02/27/07 09:34	02/27/07 16:53	
Silver	"	ND	----	0.514	"	"	"	"	"	
BQB0496-07 (SP-7)		Soil		Sampled: 02/26/07 12:00						
Arsenic	EPA 6020	8.85	----	0.521	mg/kg dry	1x	7B27013	02/27/07 09:34	02/27/07 16:59	
Barium	"	65.9	----	5.21	"	"	"	"	"	
Cadmium	"	ND	----	0.521	"	"	"	"	"	
Chromium	"	18.4	----	0.521	"	"	"	"	"	
Lead	"	4.54	----	0.521	"	"	"	"	"	
Mercury	EPA 7471A	ND	----	0.110	"	"	7B27043	02/27/07 13:33	02/27/07 16:45	
Selenium	EPA 6020	ND	----	0.521	"	"	7B27013	02/27/07 09:34	02/27/07 16:59	
Silver	"	ND	----	0.521	"	"	"	"	"	
BQB0496-08 (SP-8)		Soil		Sampled: 02/26/07 12:05						
Arsenic	EPA 6020	8.47	----	0.494	mg/kg dry	1x	7B27013	02/27/07 09:34	02/27/07 17:05	
Barium	"	55.7	----	4.94	"	"	"	"	"	
Cadmium	"	ND	----	0.494	"	"	"	"	"	
Chromium	"	19.0	----	0.494	"	"	"	"	"	
Lead	"	3.76	----	0.494	"	"	"	"	"	
Mercury	EPA 7471A	ND	----	0.108	"	"	7B27043	02/27/07 13:33	02/27/07 16:47	
Selenium	EPA 6020	ND	----	0.494	"	"	7B27013	02/27/07 09:34	02/27/07 17:05	
Silver	"	ND	----	0.494	"	"	"	"	"	

TestAmerica - Seattle, WA

Kate Haney

Kate Haney, Project Manager

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Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project Name: **Harborview**
 Project Number: [none]
 Project Manager: Ross Dunning

Report Created:
 03/07/07 16:59

Total Metals by EPA 6000/7000 Series Methods

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQB0496-09 (SP-9)		Soil		Sampled: 02/26/07 12:10						
Arsenic	EPA 6020	7.36	—	0.516	mg/kg dry	1x	7B27013	02/27/07 09:34	02/27/07 17:11	
Barium	"	60.5	—	5.16	"	"	"	"	"	
Cadmium	"	ND	—	0.516	"	"	"	"	"	
Chromium	"	13.4	—	0.516	"	"	"	"	"	
Lead	"	8.86	—	0.516	"	"	"	"	"	
Mercury	EPA 7471A	ND	—	0.104	"	"	7B27043	02/27/07 13:33	02/27/07 16:50	
Selenium	EPA 6020	ND	—	0.516	"	"	7B27013	02/27/07 09:34	02/27/07 17:11	
Silver	"	ND	—	0.516	"	"	"	"	"	
BQB0496-10 (SP-10)		Soil		Sampled: 02/26/07 12:15						
Arsenic	EPA 6020	9.20	—	0.539	mg/kg dry	1x	7B27013	02/27/07 09:34	02/27/07 17:17	
Barium	"	64.0	—	5.39	"	"	"	"	"	
Cadmium	"	ND	—	0.539	"	"	"	"	"	
Chromium	"	19.3	—	0.539	"	"	"	"	"	
Lead	"	5.79	—	0.539	"	"	"	"	"	
Mercury	EPA 7471A	ND	—	0.110	"	"	7B27043	02/27/07 13:33	02/27/07 16:52	
Selenium	EPA 6020	ND	—	0.539	"	"	7B27013	02/27/07 09:34	02/27/07 17:17	
Silver	"	ND	—	0.539	"	"	"	"	"	
BQB0496-11 (SP-11)		Soil		Sampled: 02/26/07 12:20						
Arsenic	EPA 6020	7.86	—	0.510	mg/kg dry	1x	7B27013	02/27/07 09:34	02/27/07 17:34	
Barium	"	62.5	—	5.10	"	"	"	"	"	
Cadmium	"	ND	—	0.510	"	"	"	"	"	
Chromium	"	16.2	—	0.510	"	"	"	"	"	
Lead	"	4.49	—	0.510	"	"	"	"	"	
Mercury	EPA 7471A	ND	—	0.110	"	"	7B27043	02/27/07 13:23	02/27/07 16:55	
Selenium	EPA 6020	ND	—	0.510	"	"	7B27013	02/27/07 09:34	02/27/07 17:34	
Silver	"	ND	—	0.510	"	"	"	"	"	
BQB0496-12 (SP-12)		Soil		Sampled: 02/26/07 12:25						
Arsenic	EPA 6020	7.68	—	0.516	mg/kg dry	1x	7B27013	02/27/07 09:34	02/27/07 17:40	
Barium	"	53.3	—	5.16	"	"	"	"	"	
Cadmium	"	ND	—	0.516	"	"	"	"	"	
Chromium	"	14.8	—	0.516	"	"	"	"	"	
Lead	"	3.76	—	0.516	"	"	"	"	"	
Mercury	EPA 7471A	ND	—	0.103	"	"	7B27043	02/27/07 13:33	02/27/07 16:57	
Selenium	EPA 6020	ND	—	0.516	"	"	7B27013	02/27/07 09:34	02/27/07 17:40	
Silver	"	ND	—	0.516	"	"	"	"	"	

TestAmerica - Seattle, WA

Kate Haney

Kate Haney, Project Manager

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Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project Name: **Harborview**

Project Number: [none]

Project Manager: Ross Dunning

Report Created:

03/07/07 16:59

Total Metals by EPA 6000/7000 Series Methods

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQB0496-13 (SP-13)		Soil		Sampled: 02/26/07 12:30						
Arsenic	EPA 6020	8.75	—	0.500	mg/kg dry	1x	7B27013	02/27/07 09:34	02/27/07 17:46	
Barium	"	56.2	—	5.00	"	"	"	"	"	
Cadmium	"	ND	—	0.500	"	"	"	"	"	
Chromium	"	16.0	—	0.500	"	"	"	"	"	
Lead	"	10.2	—	0.500	"	"	"	"	"	
Mercury	EPA 7471A	ND	—	0.0926	"	"	7B27043	02/27/07 13:33	02/27/07 17:00	
Selenium	EPA 6020	ND	—	0.500	"	"	7B27013	02/27/07 09:34	02/27/07 17:46	
Silver	"	ND	—	0.500	"	"	"	"	"	
BQB0496-14 (SP-14)		Soil		Sampled: 02/26/07 12:35						
Arsenic	EPA 6020	11.6	—	0.514	mg/kg dry	1x	7B27013	02/27/07 09:34	02/27/07 17:52	
Barium	"	69.5	—	5.14	"	"	"	"	"	
Cadmium	"	ND	—	0.514	"	"	"	"	"	
Chromium	"	16.7	—	0.514	"	"	"	"	"	
Lead	"	5.03	—	0.514	"	"	"	"	"	
Mercury	EPA 7471A	ND	—	0.0862	"	"	7B27043	02/27/07 13:33	02/27/07 17:13	
Selenium	EPA 6020	ND	—	0.514	"	"	7B27013	02/27/07 09:34	02/27/07 17:52	
Silver	"	ND	—	0.514	"	"	"	"	"	
BQB0496-15 (SP-15)		Soil		Sampled: 02/26/07 12:40						
Arsenic	EPA 6020	6.50	—	0.517	mg/kg dry	1x	7B27013	02/27/07 09:34	02/27/07 17:58	
Barium	"	65.0	—	5.17	"	"	"	"	"	
Cadmium	"	ND	—	0.517	"	"	"	"	"	
Chromium	"	16.3	—	0.517	"	"	"	"	"	
Lead	"	4.69	—	0.517	"	"	"	"	"	
Mercury	EPA 7471A	ND	—	0.0972	"	"	7B27043	02/27/07 13:33	02/27/07 17:16	
Selenium	EPA 6020	ND	—	0.517	"	"	7B27013	02/27/07 09:34	02/27/07 17:58	
Silver	"	ND	—	0.517	"	"	"	"	"	
BQB0496-16 (SP-16)		Soil		Sampled: 02/26/07 12:45						
Arsenic	EPA 6020	8.10	—	0.601	mg/kg dry	1x	7B27013	02/27/07 09:34	02/27/07 18:04	
Barium	"	64.0	—	6.01	"	"	"	"	"	
Cadmium	"	ND	—	0.601	"	"	"	"	"	
Chromium	"	16.9	—	0.601	"	"	"	"	"	
Lead	"	5.23	—	0.601	"	"	"	"	"	
Mercury	EPA 7471A	ND	—	0.108	"	"	7B27043	02/27/07 13:33	02/27/07 17:18	
Selenium	EPA 6020	ND	—	0.601	"	"	7B27013	02/27/07 09:34	02/27/07 18:04	
Silver	"	ND	—	0.601	"	"	"	"	"	

TestAmerica - Seattle, WA

Kate Dunning

Kate Dunning, Project Manager

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Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project Name: **Harborview**

Project Number: [none]

Project Manager: Ross Dunning

Report Created:

03/07/07 16:59

Total Metals by EPA 6000/7000 Series Methods

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQB0496-17 (SP-17)		Soil		Sampled: 02/26/07 12:50						
Arsenic	EPA 6020	7.65	----	0.519	mg/kg dry	1x	7B27013	02/27/07 09:34	02/27/07 18:10	
Barium	"	82.4	----	5.19	"	"	"	"	"	
Cadmium	"	ND	----	0.519	"	"	"	"	"	
Chromium	"	20.9	----	0.519	"	"	"	"	"	
Lead	"	7.10	----	0.519	"	"	"	"	"	
Mercury	EPA 7471A	ND	----	0.106	"	"	7B27043	02/27/07 13:33	02/27/07 17:21	
Selenium	EPA 6020	ND	----	0.519	"	"	7B27013	02/27/07 09:34	02/27/07 18:10	
Silver	"	ND	----	0.519	"	"	"	"	"	
BQB0496-18 (SP-18)		Soil		Sampled: 02/26/07 12:55						
Arsenic	EPA 6020	9.34	----	0.518	mg/kg dry	1x	7B27013	02/27/07 09:34	02/27/07 18:16	
Barium	"	76.8	----	5.18	"	"	"	"	"	
Cadmium	"	ND	----	0.518	"	"	"	"	"	
Chromium	"	18.3	----	0.518	"	"	"	"	"	
Lead	"	5.26	----	0.518	"	"	"	"	"	
Mercury	EPA 7471A	ND	----	0.102	"	"	7B27045	02/27/07 13:37	02/27/07 17:52	M2
Selenium	EPA 6020	ND	----	0.518	"	"	7B27013	02/27/07 09:34	02/27/07 18:16	
Silver	"	ND	----	0.518	"	"	"	"	"	
BQB0496-19 (SP-19)		Soil		Sampled: 02/26/07 13:00						
Arsenic	EPA 6020	9.29	----	0.506	mg/kg dry	1x	7B27013	02/27/07 09:34	02/27/07 18:22	
Barium	"	71.7	----	5.06	"	"	"	"	"	
Cadmium	"	ND	----	0.506	"	"	"	"	"	
Chromium	"	18.7	----	0.506	"	"	"	"	"	
Lead	"	10.6	----	0.506	"	"	"	"	"	
Mercury	EPA 7471A	ND	----	0.102	"	"	7B27045	02/27/07 13:37	02/27/07 17:55	
Selenium	EPA 6020	ND	----	0.506	"	"	7B27013	02/27/07 09:34	02/27/07 18:22	
Silver	"	ND	----	0.506	"	"	"	"	"	
BQB0496-20 (SP-20)		Soil		Sampled: 02/26/07 13:05						
Arsenic	EPA 6020	7.21	----	0.543	mg/kg dry	1x	7B27013	02/27/07 09:34	02/27/07 18:28	
Barium	"	70.2	----	5.43	"	"	"	"	"	
Cadmium	"	ND	----	0.543	"	"	"	"	"	
Chromium	"	16.9	----	0.543	"	"	"	"	"	
Lead	"	4.34	----	0.543	"	"	"	"	"	
Mercury	EPA 7471A	ND	----	0.0916	"	"	7B27045	02/27/07 13:37	02/27/07 17:57	
Selenium	EPA 6020	ND	----	0.543	"	"	7B27013	02/27/07 09:34	02/27/07 18:28	
Silver	"	ND	----	0.543	"	"	"	"	"	

TestAmerica - Seattle, WA

Kate Hancy

Kate Hancy, Project Manager

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Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project Name: Harborview
 Project Number: [none]
 Project Manager: Ross Dunning

Report Created:
 03/07/07 16:59

Polychlorinated Biphenyls by EPA Method 8082

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQB0496-21	(Composite SP-1:SP-5)	Soil		Sampled: 02/26/07 12:00						
Aroclor 1016	EPA 8082	ND	----	26.5	ug/kg dry	1x	7C05039	03/05/07 12:36	03/06/07 16:38	
Aroclor 1221	"	ND	----	53.1	"	"	"	"	"	
Aroclor 1232	"	ND	----	26.5	"	"	"	"	"	
Aroclor 1242	"	ND	----	26.5	"	"	"	"	"	
Aroclor 1248	"	ND	----	26.5	"	"	"	"	"	
Aroclor 1254	"	ND	----	26.5	"	"	"	"	"	
Aroclor 1260	"	ND	----	26.5	"	"	"	"	"	
Aroclor 1262	"	ND	----	26.5	"	"	"	"	"	
Aroclor 1268	"	ND	----	26.5	"	"	"	"	"	
Surrogate(s): TCX		91.7%		39 - 139 %		"		"		
Decachlorobiphenyl		91.8%		33 - 163 %		"		"		

BQB0496-22	(Composite SP-6:SP-10)	Soil		Sampled: 02/26/07 12:00						
Aroclor 1016	EPA 8082	ND	----	26.5	ug/kg dry	1x	7C05039	03/05/07 12:36	03/06/07 16:56	
Aroclor 1221	"	ND	----	53.0	"	"	"	"	"	
Aroclor 1232	"	ND	----	26.5	"	"	"	"	"	
Aroclor 1242	"	ND	----	26.5	"	"	"	"	"	
Aroclor 1248	"	ND	----	26.5	"	"	"	"	"	
Aroclor 1254	"	ND	----	26.5	"	"	"	"	"	
Aroclor 1260	"	ND	----	26.5	"	"	"	"	"	
Aroclor 1262	"	ND	----	26.5	"	"	"	"	"	
Aroclor 1268	"	ND	----	26.5	"	"	"	"	"	
Surrogate(s): TCX		95.2%		39 - 139 %		"		"		
Decachlorobiphenyl		93.9%		33 - 163 %		"		"		

BQB0496-23	(Composite SP-11:SP-15)	Soil		Sampled: 02/26/07 12:00						
Aroclor 1016	EPA 8082	ND	----	27.4	ug/kg dry	1x	7C05039	03/05/07 12:36	03/06/07 17:15	
Aroclor 1221	"	ND	----	54.8	"	"	"	"	"	
Aroclor 1232	"	ND	----	27.4	"	"	"	"	"	
Aroclor 1242	"	ND	----	27.4	"	"	"	"	"	
Aroclor 1248	"	ND	----	27.4	"	"	"	"	"	
Aroclor 1254	"	ND	----	27.4	"	"	"	"	"	
Aroclor 1260	"	ND	----	27.4	"	"	"	"	"	
Aroclor 1262	"	ND	----	27.4	"	"	"	"	"	
Aroclor 1268	"	ND	----	27.4	"	"	"	"	"	
Surrogate(s): TCX		94.7%		39 - 139 %		"		"		
Decachlorobiphenyl		94.7%		33 - 163 %		"		"		

TestAmerica - Seattle, WA

Kate Hancy

Kate Hancy, Project Manager

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Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project Name: **Harborview**

Project Number: [none]

Project Manager: Ross Dunning

Report Created:

03/07/07 16:59

Polychlorinated Biphenyls by EPA Method 8082

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQB0496-24	(Composite SP-16:SP-20)	Soil					Sampled: 02/26/07 12:00			
Aroclor 1016	EPA 8082	ND	-----	26.8	ug/kg dry	1x	7C05039	03/05/07 12:36	03/06/07 17:33	
Aroclor 1221	"	ND	-----	53.6	"	"	"	"	"	
Aroclor 1232	"	ND	-----	26.8	"	"	"	"	"	
Aroclor 1242	"	ND	-----	26.8	"	"	"	"	"	
Aroclor 1248	"	ND	-----	26.8	"	"	"	"	"	
Aroclor 1254	"	ND	-----	26.8	"	"	"	"	"	
Aroclor 1260	"	ND	-----	26.8	"	"	"	"	"	
Aroclor 1262	"	ND	-----	26.8	"	"	"	"	"	
Aroclor 1268	"	ND	-----	26.8	"	"	"	"	"	
Surrogate(s):	TCX		93.7%		39 - 139 %	"				
	Decachlorobiphenyl		93.7%		33 - 163 %	"				

TestAmerica - Seattle, WA

Kate Dunning

Kate Hancy, Project Manager

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Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
Federal Way, WA/USA 98001

Project Name: Harborview

Project Number: [none]

Project Manager: Ross Dunning

Report Created:

03/07/07 16:59

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQB0496-21	(Composite SP-1:SP-5)	Soil						Sampled: 02/26/07 t2:00		
Acenaphthene	EPA 8270-SIM	ND	----	0.0104	mg/kg dry	1x	7C02029	03/02/07 14:30	03/06/07 12:49	
Acenaphthylene	"	ND	----	0.0104	"	"	"	"	"	
Anthracene	"	ND	----	0.0104	"	"	"	"	"	
Benzo (a) anthracene	"	ND	----	0.0104	"	"	"	"	"	
Benzo (a) pyrene	"	ND	----	0.0104	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	----	0.0104	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	----	0.0104	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	----	0.0104	"	"	"	"	"	
Chrysene	"	ND	----	0.0104	"	"	"	"	"	
Dibenz (a,h) anthracene	"	ND	----	0.0104	"	"	"	"	"	
Fluoranthene	"	ND	----	0.0104	"	"	"	"	"	
Fluorene	"	ND	----	0.0104	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	----	0.0104	"	"	"	"	"	
1-Methylnaphthalene	"	ND	----	0.0104	"	"	"	"	"	
2-Methylnaphthalene	"	ND	----	0.0104	"	"	"	"	"	
Naphthalene	"	ND	----	0.0104	"	"	"	"	"	
Phenanthrene	"	ND	----	0.0104	"	"	"	"	"	
Pyrene	"	ND	----	0.0104	"	"	"	"	"	
Surrogate(s): p-Terphenyl-d14		117%		50 - 147 %	"					

BQB0496-22	(Composite SP-6:SP-10)	Soil						Sampled: 02/26/07 12:00		
Acenaphthene	EPA 8270-SIM	ND	----	0.0106	mg/kg dry	1x	7C02029	03/02/07 14:30	03/06/07 13:23	
Acenaphthylene	"	ND	----	0.0106	"	"	"	"	"	
Anthracene	"	ND	----	0.0106	"	"	"	"	"	
Benzo (a) anthracene	"	ND	----	0.0106	"	"	"	"	"	
Benzo (a) pyrene	"	ND	----	0.0106	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	----	0.0106	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	----	0.0106	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	----	0.0106	"	"	"	"	"	
Chrysene	"	ND	----	0.0106	"	"	"	"	"	
Dibenz (a,h) anthracene	"	ND	----	0.0106	"	"	"	"	"	
Fluoranthene	"	ND	----	0.0106	"	"	"	"	"	
Fluorene	"	ND	----	0.0106	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	----	0.0106	"	"	"	"	"	
1-Methylnaphthalene	"	ND	----	0.0106	"	"	"	"	"	
2-Methylnaphthalene	"	ND	----	0.0106	"	"	"	"	"	
Naphthalene	"	ND	----	0.0106	"	"	"	"	"	
Phenanthrene	"	ND	----	0.0106	"	"	"	"	"	
Pyrene	"	ND	----	0.0106	"	"	"	"	"	
Surrogate(s): p-Terphenyl-d14		116%		50 - 147 %	"					

TestAmerica - Seattle, WA

Kate Dunning

Kate Dunning, Project Manager

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Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project Name: Harborview

Project Number: [none]

Project Manager: Ross Dunning

Report Created:

03/07/07 16:59

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQB0496-23 (Composite SP-11:SP-15)		Soil		Sampled: 02/26/07 t2:00						
Acenaphthene	EPA 8270-SIM	ND	----	0.0108	mg/kg dry	1x	7C02029	03/02/07 14:30	03/06/07 13:57	
Acenaphthylene	"	ND	----	0.0108	"	"	"	"	"	
Anthracene	"	ND	----	0.0108	"	"	"	"	"	
Benzo (a) anthracene	"	ND	----	0.0108	"	"	"	"	"	
Benzo (a) pyrene	"	ND	----	0.0108	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	----	0.0108	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	----	0.0108	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	----	0.0108	"	"	"	"	"	
Chrysene	"	ND	----	0.0108	"	"	"	"	"	
Dibenz (a,h) anthracene	"	ND	----	0.0108	"	"	"	"	"	
Fluoranthene	"	ND	----	0.0108	"	"	"	"	"	
Fluorene	"	ND	----	0.0108	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	----	0.0108	"	"	"	"	"	
1-Methylnaphthalene	"	ND	----	0.0108	"	"	"	"	"	
2-Methylnaphthalene	"	ND	----	0.0108	"	"	"	"	"	
Naphthalene	"	ND	----	0.0108	"	"	"	"	"	
Phenanthrene	"	ND	----	0.0108	"	"	"	"	"	
Pyrene	"	ND	----	0.0108	"	"	"	"	"	
Surrogate(s): p-Terphenyl-d14		108%		50 - 147 %	"					

BQB0496-24 (Composite SP-16:SP-20)		Soil		Sampled: 02/26/07 12:00						
Acenaphthene	EPA 8270-SIM	ND	----	0.0109	mg/kg dry	1x	7C02029	03/02/07 14:30	03/06/07 14:32	
Acenaphthylene	"	ND	----	0.0109	"	"	"	"	"	
Anthracene	"	ND	----	0.0109	"	"	"	"	"	
Benzo (a) anthracene	"	ND	----	0.0109	"	"	"	"	"	
Benzo (a) pyrene	"	ND	----	0.0109	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	----	0.0109	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	----	0.0109	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	----	0.0109	"	"	"	"	"	
Chrysene	"	ND	----	0.0109	"	"	"	"	"	
Dibenz (a,h) anthracene	"	ND	----	0.0109	"	"	"	"	"	
Fluoranthene	"	ND	----	0.0109	"	"	"	"	"	
Fluorene	"	ND	----	0.0109	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	----	0.0109	"	"	"	"	"	
1-Methylnaphthalene	"	ND	----	0.0109	"	"	"	"	"	
2-Methylnaphthalene	"	ND	----	0.0109	"	"	"	"	"	
Naphthalene	"	ND	----	0.0109	"	"	"	"	"	
Phenanthrene	"	ND	----	0.0109	"	"	"	"	"	
Pyrene	"	ND	----	0.0109	"	"	"	"	"	
Surrogate(s): p-Terphenyl-d14		120%		50 - 147 %	"					

TestAmerica - Seattle, WA

Kate Hancy

Kate Hancy, Project Manager

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Kennedy/Jenks Consultants	Project Name: Harborview	Report Created:
32001 32nd Ave S Ste 100	Project Number: [none]	03/07/07 16:59
Federal Way, WA/USA 98001	Project Manager: Ross Dunning	

Physical Parameters by APHA/ASTM/EPA Methods

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQB0496-01 (SP-1)		Soil								Sampled: 02/26/07 11:30
Dry Weight	BSOPSPLO03R0 8	92.6	----	1.00	%	1x	7B26065	02/26/07 15:02	02/28/07 00:00	
BQB0496-02 (SP-2)		Soil								Sampled: 02/26/07 11:35
Dry Weight	BSOPSPLO03R0 8	95.9	----	1.00	%	1x	7B26065	02/26/07 15:02	02/28/07 00:00	
BQB0496-03 (SP-3)		Soil								Sampled: 02/26/07 11:40
Dry Weight	BSOPSPLO03R0 8	93.1	----	1.00	%	1x	7B26065	02/26/07 15:02	02/28/07 00:00	
BQB0496-04 (SP-4)		Soil								Sampled: 02/26/07 11:45
Dry Weight	BSOPSPLO03R0 8	93.3	—	1.00	%	1x	7B26065	02/26/07 15:02	02/28/07 00:00	
BQB0496-05 (SP-5)		Soil								Sampled: 02/26/07 11:50
Dry Weight	BSOPSPLO03R0 8	94.3	----	1.00	%	1x	7B26065	02/26/07 15:02	02/28/07 00:00	
BQB0496-06 (SP-6)		Soil								Sampled: 02/26/07 11:55
Dry Weight	BSOPSPLO03R0 8	91.7	----	1.00	%	1x	7B26065	02/26/07 15:02	02/28/07 00:00	
BQB0496-07 (SP-7)		Soil								Sampled: 02/26/07 12:00
Dry Weight	BSOPSPLO03R0 8	92.3	—	1.00	%	1x	7B26065	02/26/07 15:02	02/28/07 00:00	
BQB0496-08 (SP-8)		Soil								Sampled: 02/26/07 12:05
Dry Weight	BSOPSPLO03R0 8	96.3	—	1.00	%	1x	7B26065	02/26/07 15:02	02/28/07 00:00	
BQB0496-09 (SP-9)		Soil								Sampled: 02/26/07 12:10
Dry Weight	BSOPSPLO03R0 8	96.0	—	1.00	%	1x	7B26065	02/26/07 15:02	02/28/07 00:00	
BQB0496-10 (SP-10)		Soil								Sampled: 02/26/07 12:15
Dry Weight	BSOPSPLO03R0 8	94.7	—	1.00	%	1x	7B26065	02/26/07 15:02	02/28/07 00:00	
BQB0496-11 (SP-11)		Soil								Sampled: 02/26/07 12:20

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Kate Haney

Kate Haney, Project Manager

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Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project Name: **Harborview**

Project Number: [none]

Project Manager: Ross Dunning

Report Created:

03/07/07 16:59

Physical Parameters by APHA/ASTM/EPA Methods

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQB0496-11 (SP-11)		Soil								Sampled: 02/26/07 12:20
Dry Weight	BSOPSPLO03R0 8	97.1	----	1.00	%	1x	7B26065	02/26/07 15:02	02/28/07 00:00	
BQB0496-12 (SP-12)		Soil								Sampled: 02/26/07 12:25
Dry Weight	BSOPSPLO03R0 8	96.0	----	1.00	%	1x	7B26065	02/26/07 15:02	02/28/07 00:00	
BQB0496-13 (SP-13)		Soil								Sampled: 02/26/07 12:30
Dry Weight	BSOPSPLO03R0 8	95.3	----	1.00	%	1x	7B26065	02/26/07 15:02	02/28/07 00:00	
BQB0496-14 (SP-14)		Soil								Sampled: 02/26/07 12:35
Dry Weight	BSOPSPLO03R0 8	92.6	----	1.00	%	1x	7B26065	02/26/07 15:02	02/28/07 00:00	
BQB0496-15 (SP-15)		Soil								Sampled: 02/26/07 12:40
Dry Weight	BSOPSPLO03R0 8	93.0	----	1.00	%	1x	7B26065	02/26/07 15:02	02/28/07 00:00	
BQB0496-16 (SP-16)		Soil								Sampled: 02/26/07 12:45
Dry Weight	BSOPSPLO03R0 8	91.4	----	1.00	%	1x	7B26065	02/26/07 15:02	02/28/07 00:00	
BQB0496-17 (SP-17)		Soil								Sampled: 02/26/07 12:50
Dry Weight	BSOPSPLO03R0 8	93.5	----	1.00	%	1x	7B26065	02/26/07 15:02	02/28/07 00:00	
BQB0496-18 (SP-18)		Soil								Sampled: 02/26/07 12:55
Dry Weight	BSOPSPLO03R0 8	92.8	----	1.00	%	1x	7B26065	02/26/07 15:02	02/28/07 00:00	
BQB0496-19 (SP-19)		Soil								Sampled: 02/26/07 13:00
Dry Weight	BSOPSPLO03R0 8	92.3	----	1.00	%	1x	7B26065	02/26/07 15:02	02/28/07 00:00	
BQB0496-20 (SP-20)		Soil								Sampled: 02/26/07 13:05
Dry Weight	BSOPSPLO03R0 8	93.0	----	1.00	%	1x	7B26065	02/26/07 15:02	02/28/07 00:00	
BQB0496-21 (Composite SP-1:SP-5)		Soil								Sampled: 02/26/07 12:00

TestAmerica - Seattle, WA

Kate Haney

Kate Haney, Project Manager

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Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project Name: **Harborview**

Project Number: [none]

Project Manager: Ross Dunning

Report Created:

03/07/07 16:59

Physical Parameters by APHA/ASTM/EPA Methods

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQB0496-21	(Composite SP-1:SP-5)	Soil								Sampled: 02/26/07 12:00
Dry Weight	BSOPSP1003R0 8	95.2	---	1.00	%	1x	7C05051	03/05/07 15:15	03/06/07 00:00	
BQB0496-22	(Composite SP-6:SP-10)	Soil								Sampled: 02/26/07 12:00
Dry Weight	BSOPSP1003R0 8	94.3	----	1.00	%	1x	7C05051	03/05/07 15:15	03/06/07 00:00	
BQB0496-23	(Composite SP-11:SP-15)	Soil								Sampled: 02/26/07 12:00
Dry Weight	BSOPSP1003R0 8	92.8	----	1.00	%	1x	7C05051	03/05/07 15:15	03/06/07 00:00	
BQB0496-24	(Composite SP-16:SP-20)	Soil								Sampled: 02/26/07 12:00
Dry Weight	BSOPSP1003R0 8	93.0	---	1.00	%	1x	7C05051	03/05/07 15:15	03/06/07 00:00	

TestAmerica - Seattle, WA

Kate Dunning

Kate Haney, Project Manager

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Kennedy/Jenks Consultants

32001 32nd Ave S Ste 100
 Federal Way, WA/USA 98001

Project Name: Harborview

Project Number: [none]

Project Manager: Ross Dunning

Report Created:

03/07/07 16:59

Hydrocarbon Identification by Washington DOE Method NWTPH-HCID - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 7C01015

Soil Preparation Method: HCID (WA)

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes

Blank (7C01015-BLK1)

Extracted: 03/01/07 10:39

Gx Range Hydrocarbons	NWTPH-HCID	ND	---	20.0	mg/kg wet	1x	--	--	--	--	--	--	03/01/07 23:25	
	D													
Kerosene Range Hydrocarbons	"	ND	---	50.0	"	"	--	--	--	--	--	--	"	
Diesel Range Hydrocarbons	"	ND	---	50.0	"	"	--	--	--	--	--	--	"	
Insulating Oil Range Hydrocarbons	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Heavy Fuel Oil Range Hydrocarbons	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Lube Oil Range Hydrocarbons	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Surrogate(s): 2-FBP Recovery: 104% Limits: 50-150% " 03/03/07 23:25														
Octacosane 96.0% 50-150% " "														

Duplicate (7C01015-DUP1)

QC Source: BQC0001-21

Extracted: 03/01/07 10:39

Gx Range Hydrocarbons	NWTPH-HCI	ND	---	27.6	mg/kg dry	1x	ND	--	--	--	(50)	03/01/07 23:54	R4	
	D													
Kerosene Range Hydrocarbons	"	ND	---	69.0	"	"	ND	--	--	--	5.05%	"	"	R4
Diesel Range Hydrocarbons	"	ND	---	69.0	"	"	ND	--	--	--	13.2%	"	"	R4
Insulating Oil Range Hydrocarbons	"	ND	---	178	"	"	ND	--	--	--	26.0%	"	"	R4
Heavy Fuel Oil Range Hydrocarbons	"	ND	---	138	"	"	ND	--	--	--	"	"	"	R4
Lube Oil Range Hydrocarbons	"	ND	---	138	"	"	ND	--	--	--	5.04%	"	"	R4
Surrogate(s): 2-FBP Recovery: 106% Limits: 50-150% " 03/01/07 23:54														
Octacosane 98.3% 50-150% " "														

Duplicate (7C01015-DUP2)

QC Source: BQB0496-23

Extracted: 03/01/07 10:39

Gx Range Hydrocarbons	NWTPH-HCI	ND	--	21.2	mg/kg dry	1x	ND	--	--	--	(50)	03/02/07 00:23	R4	
	D													
Kerosene Range Hydrocarbons	"	ND	--	52.9	"	"	ND	--	--	--	15.6%	"	"	R4
Diesel Range Hydrocarbons	"	ND	--	52.9	"	"	ND	--	--	--	17.8%	"	"	R4
Insulating Oil Range Hydrocarbons	"	ND	--	106	"	"	ND	--	--	--	38.6%	"	"	R4
Heavy Fuel Oil Range Hydrocarbons	"	ND	--	106	"	"	ND	--	--	--	"	"	"	R4
Lube Oil Range Hydrocarbons	"	ND	--	106	"	"	ND	--	--	--	17.1%	"	"	R4
Surrogate(s): 2-FBP Recovery: 105% Limits: 50-150% " 03/02/07 00:23														
Octacosane 95.5% 50-150% " "														

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Kate Hancy

Kate Hancy, Project Manager

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Kennedy/Jenks Consultants	Project Name: Harborview	Report Created:
32001 32nd Ave S Ste 100	Project Number: [none]	03/07/07 16:59
Federal Way, WA/USA 98001	Project Manager: Ross Dunning	

Total Metals by EPA 6000/7000 Series Methods - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 7B27013	Soil Preparation Method: EPA 3050B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(L/mils)	Analyzed	Notes

Blank (7B27013-BLK1)													
Extracted: 02/27/07 09:34													
Selenium	EPA 6020	ND	---	0.500	mg/kg wet	1x	--	--	--	--	--	--	02/27/07 15:41
Arsenic	"	ND	---	0.500	"	"	--	--	--	--	--	--	"
Barium	"	ND	---	5.00	"	"	--	--	--	--	--	--	"
Lead	"	ND	---	0.500	"	"	--	--	--	--	--	--	"
Chromium	"	ND	---	0.500	"	"	--	--	--	--	--	--	02/28/07 05:57
Cadmium	"	ND	---	0.500	"	"	--	--	--	--	--	--	02/27/07 15:41
Silver	"	ND	---	0.500	"	"	--	--	--	--	--	--	"

LCS (7B27013-BS1)													
Extracted: 02/27/07 09:34													
Selenium	EPA 6020	39.8	---	0.500	mg/kg wet	1x	--	40.0	99.5%	(80-120)	--	--	02/27/07 15:47
Cadmium	"	41.2	---	0.500	"	"	--	"	103%	"	--	--	"
Lead	"	39.8	---	0.500	"	"	--	"	99.5%	"	--	--	"
Silver	"	41.5	---	0.500	"	"	--	"	104%	"	--	--	"
Arsenic	"	41.0	---	0.500	"	"	--	"	102%	"	--	--	"
Barium	"	41.5	---	5.00	"	"	--	"	104%	"	--	--	"
Chromium	"	41.4	---	0.500	"	"	--	"	104%	"	--	--	"

Duplicate (7B27013-DUP1)													
QC Source: BQB0496-01													
Extracted: 02/27/07 09:34													
Cadmium	EPA 6020	ND	---	0.540	mg/kg dry	1x	ND	--	--	--	50.0% (30)	--	02/27/07 16:05
Arsenic	"	8.58	---	0.540	"	"	9.97	--	--	--	15.0%	"	"
Lead	"	8.05	---	0.540	"	"	7.28	--	--	--	10.0%	"	"
Selenium	"	ND	---	0.540	"	"	ND	--	--	--	33.1%	"	"
Barium	"	75.7	---	5.40	"	"	75.1	--	--	--	0.796%	"	"
Chromium	"	14.4	---	0.540	"	"	17.8	--	--	--	21.1%	"	"
Silver	"	ND	---	0.540	"	"	ND	--	--	--	7.83% (50)	"	"

Matrix Spike (7B27013-MS1)													
QC Source: BQB0496-01													
Extracted: 02/27/07 09:34													
Lead	EPA 6020	52.4	---	0.540	mg/kg dry	1x	7.28	43.2	104%	(29-166)	--	--	02/27/07 15:59
Silver	"	46.0	---	0.540	"	"	0.146	"	106%	(54-126)	--	--	"
Chromium	"	63.2	---	0.540	"	"	17.8	"	105%	(30-163)	--	--	"
Selenium	"	43.5	---	0.540	"	"	0.356	"	99.9%	(61-120)	--	--	"
Cadmium	"	46.7	---	0.540	"	"	0.162	"	108%	(80-120)	--	--	"
Arsenic	"	53.7	---	0.540	"	"	9.97	"	101%	(57-125)	--	--	"
Barium	"	130	---	5.40	"	"	75.1	"	127%	(20-160)	--	--	"

TestAmerica - Seattle, WA

Kate Dunning

Kate Dunning, Project Manager

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Kennedy/Jenks Consultants	Project Name: Harborview	Report Created:
32001 32nd Ave S Ste 100	Project Number: [none]	03/07/07 16:59
Federal Way, WA/USA 98001	Project Manager: Ross Dunning	

Total Metals by EPA 6000/7000 Series Methods - Laboratory Quality Control Results
 TestAmerica - Seattle, WA

QC Batch: 7B27013 Soil Preparation Method: EPA 3050B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Post Spike (7B27013-PS1)			QC Source: BQB0406-01			Extracted: 02/27/07 00:34								
Silver	EPA 6020	0.0981	---		ug/ml	1x	0.000270	0.100	97.8%	(75-125)	--	--	02/27/07 15:53	
Barium	"	0.230	---		"	"	0.139	0.0995	101%	"	--	--	"	
Selenium	"	0.0964	---		"	"	0.000660	0.100	95.7%	"	--	--	"	
Lead	"	0.108	---		"	"	0.0135	0.0995	95.0%	"	--	--	"	
Chromium	"	0.135	---		"	"	0.0329	0.100	102%	"	--	--	"	
Cadmium	"	0.0984	---		"	"	0.000300	"	98.1%	"	--	--	"	
Arsenic	"	0.122	---		"	"	0.0185	"	104%	"	--	--	"	

QC Batch: 7B27043 Soil Preparation Method: EPA 7471A

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7B27043-BLK1)			Extracted: 02/27/07 13:33											
Mercury	EPA 7471A	ND	---	0.100	mg/kg wet	1x	--	--	--	--	--	--	02/27/07 16:37	
LCS (7B27043-BS1)			Extracted: 02/27/07 13:33											
Mercury	EPA 7471A	0.619	---	0.100	mg/kg wet	1x	--	0.667	92.8%	(80-120)	--	--	02/27/07 16:07	
LCS Dup (7B27043-BSD1)			Extracted: 02/27/07 13:33											
Mercury	EPA 7471A	0.69d	---	0.100	mg/kg wet	1x	--	0.667	104%	(80-120)	11.4%	(20)	02/27/07 16:10	
Duplicate (7B27043-DUP1)			QC Source: BQB0406-01			Extracted: 02/27/07 13:33								
Mercury	EPA 7471A	ND	---	0.104	mg/kg dry	1x	ND	--	--	--	NR	(30)	02/27/07 16:40	
Matrix Spike (7B27043-MS1)			QC Source: BQB0406-01			Extracted: 02/27/07 13:33								
Mercury	EPA 7471A	0.169	---	0.103	mg/kg dry	1x	ND	0.683	24.7%	(70-130)	--	--	02/27/07 16:12	M2

TestAmerica - Seattle, WA

Kate Dunning

Kate Haney, Project Manager

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Kennedy/Jenks Consultants	Project Name: Harborview	
32001 32nd Ave S Ste 100	Project Number: [none]	Report Created:
Federal Way, WA/USA 98001	Project Manager: Ross Dunning	03/07/07 16:59

Total Metals by EPA 6000/7000 Series Methods - Laboratory Quality Control Results
 TestAmerica - Seattle, WA

QC Batch: 7B27045 Soil Preparation Method: EPA 7471A

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7B27045-BLK1)										Extracted: 02/27/07 13:37				
Mercury	EPA 7471A	ND	---	0.100	mg/kg wet	1x	--	--	--	--	--	--	02/27/07 17:26	
LCS (7B27045-BS1)										Extracted: 02/27/07 13:37				
Mercury	EPA 7471A	0.657	---	0.100	mg/kg wet	1x	--	0.667	98.5%	(80-120)	--	--	02/28/07 12:50	
LCS Dup (7B27045-BSD1)										Extracted: 02/27/07 13:37				
Mercury	EPA 7471A	0.627	---	0.100	mg/kg wet	1x	--	0.667	94.0%	(80-120)	4.67%	(20)	02/27/07 17:31	
Duplicate (7B27045-DUP1)										QC Source: BQB0496-18 Extracted: 02/27/07 13:37				
Mercury	EPA 7471A	ND	---	0.111	mg/kg dry	1x	ND	--	--	--	NR	(30)	02/27/07 17:50	
Matrix Spike (7B27045-MS1)										QC Source: BQB0496-18 Extracted: 02/27/07 13:37				
Mercury	EPA 7471A	0.428	---	0.105	mg/kg dry	1x	ND	0.700	61.1%	(70-130)	--	--	02/27/07 17:33	M2

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Kate Dunning

Kate Haney, Project Manager

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Kennedy/Jenks Consultants	Project Name: Harborview	
32001 32nd Ave S Ste 100	Project Number: [none]	Report Created:
Federal Way, WA/USA 98001	Project Manager: Ross Dunning	03/07/07 16:59

Polychlorinated Biphenyls by EPA Method 8082 - Laboratory Quality Control Results
TestAmerica - Seattle, WA

QC Batch: 7C05039 **Soil Preparation Method: EPA 3550B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7C05039-BLK2)										Extracted: 03/05/07 12:36				
Aroclor 1016	EPA 8082	ND	---	25.0	ug/kg wet	1x	--	--	--	--	--	--	03/06/07 07:59	
Aroclor 1221	"	ND	---	50.0	"	"	--	--	--	--	--	--	"	
Aroclor 1232	"	ND	---	25.0	"	"	--	--	--	--	--	--	"	
Aroclor 1242	"	ND	---	25.0	"	"	--	--	--	--	--	--	"	
Aroclor 1248	"	ND	---	25.0	"	"	--	--	--	--	--	--	"	
Aroclor 1254	"	ND	---	25.0	"	"	--	--	--	--	--	--	"	
Aroclor 1260	"	NO	---	25.0	"	"	--	--	--	--	--	--	"	
Aroclor 1262	"	NO	---	25.0	"	"	--	--	--	--	--	--	"	
Aroclor 1268	"	ND	---	25.0	"	"	--	--	--	--	--	--	"	
Surrogate(s): TCX		Recovery:	94.3%	Limits:	39-139%	"								03/06/07 07:59
Decachlorobiphenyl			95.1%		33-163%	"								"

LCS (7C05039-BS2)										Extracted: 03/05/07 12:36				
Aroclor 1016	EPA 8082	81.0	---	25.0	ug/kg wet	1x	--	83.3	97.2%	(54-125)	--	--	03/06/07 08:17	
Aroclor 1260	"	89.3	---	25.0	"	"	--	"	107%	(58-128)	--	--	"	
Surrogate(s): TCX		Recovery:	97.3%	Limits:	39-139%	"								03/06/07 08:17
Decachlorobiphenyl			99.0%		33-163%	"								"

Matrix Spike (7C05039-MS2)										QC Source: BQC0056-04	Extracted: 03/05/07 12:36			
Aroclor 1016	EPA 8082	143	---	270	ug/kg dry	10x	NO	90.0	159%	(47-134)	--	--	03/06/07 09:04	M4
Aroclor 1260	"	321	---	270	"	"	270	"	56.7%	(22-171)	--	--	"	
Surrogate(s): TCX		Recovery:	103%	Limits:	39-139%	"								01/06/07 09:14
Decachlorobiphenyl			115%		33-163%	"								"

Matrix Spike Dup (7C05039-MSD2)				QC Source: BQC0056-04			Extracted: 03/05/07 12:36						
Aroclor 1016	EPA 8082	133	---	270	ug/kg dry	10x	ND	90.0	148%	(47-134)	7.25% (35)	03/06/07 09:23	M4
Aroclor 1260	"	333	---	270	"	"	270	"	70.0%	(22-171)	3.67% "	"	
Surrogate(s): TCX		Recovery:	94.3%	Limits: 39-139%		"	03/06/07 09:23						
Decachlorobiphenyl			114%	33-163%		"	"						

TestAmerica - Seattle, WA

Kate Haney

Kate Haney, Project Manager

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Kennedy/Jenks Consultants	Project Name: Harborview	
32001 32nd Ave S Ste 100	Project Number: [none]	Report Created:
Federal Way, WA/USA 98001	Project Manager: Ross Dunning	03/07/07 16:59

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM - Laboratory Quality Control Results
TestAmerica - Seattle, WA

QC Batch: 7C02029 Soil Preparation Method: EPA 3550B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7C02029-BLK)										Extracted: 03/02/07 14:30				
Acenaphthene	EPA 8270-SIM1	ND	---	0.0100	mg/kg wet	1x	---	---	---	---	---	---	03/06/07 10:31	
Acenaphthylene	"	ND	---	0.0100	"	"	---	---	---	---	---	---	"	
Anthracene	"	ND	---	0.0100	"	"	---	---	---	---	---	---	"	
Benzo (a) anthracene	"	ND	---	0.0100	"	"	---	---	---	---	---	---	"	
Benzo (a) pyrene	"	ND	---	0.0100	"	"	---	---	---	---	---	---	"	
Benzo (b) fluoranthene	"	ND	---	0.0100	"	"	---	---	---	---	---	---	"	
Benzo (k) fluoranthene	"	NO	---	0.0100	"	"	---	---	---	---	---	---	"	
Benzo (ghi) perylene	"	ND	---	0.0100	"	"	---	---	---	---	---	---	"	
Chrysene	"	ND	---	0.0100	"	"	---	---	---	---	---	---	"	
Dibenz (a,h) anthracene	"	ND	---	0.0100	"	"	---	---	---	---	---	---	"	
Fluoranthene	"	ND	---	0.0100	"	"	---	---	---	---	---	---	"	
Fluorene	"	ND	---	0.0100	"	"	---	---	---	---	---	---	"	
Indeno (1,2,3-cd) pyrene	"	ND	---	0.0100	"	"	---	---	---	---	---	---	"	
1-Methylnaphthalene	"	ND	---	0.0100	"	"	---	---	---	---	---	---	"	
2-Methylnaphthalene	"	ND	---	0.0100	"	"	---	---	---	---	---	---	"	
Naphthalene	"	ND	---	0.0100	"	"	---	---	---	---	---	---	"	
Phenanthrene	"	ND	---	0.0100	"	"	---	---	---	---	---	---	"	
Pyrene	"	ND	---	0.0100	"	"	---	---	---	---	---	---	"	
Surrogate(s): p-Terphenyl-d14		Recovery: 113%		Limits: 50-147%		"				03/06/07 10:31				

LCS (7C02029-BSt)										Extracted: 03/02/07 14:30				
Acenaphthene	EPA 8270-SIM	0.686	---	0.0100	mg/kg wet	1x	---	0.667	103%	(70-125)	---	---	03/06/07 11:06	
Acenaphthylene	"	0.759	---	0.0100	"	"	---	"	114%	(70-133)	---	---	"	
Anthracene	"	0.749	---	0.0100	"	"	---	"	112%	(70-152)	---	---	"	
Benzo (a) anthracene	"	0.646	---	0.0100	"	"	---	"	96.9%	(60-125)	---	---	"	
Benzo (a) pyrene	"	0.687	---	0.0100	"	"	---	"	103%	(64-134)	---	---	"	
Benzo (b) fluoranthene	"	0.684	---	0.0100	"	"	---	"	103%	(62-147)	---	---	"	
Benzo (k) fluoranthene	"	0.622	---	0.0100	"	"	---	"	93.3%	(60-144)	---	---	"	
Benzo (ghi) perylene	"	0.612	---	0.0100	"	"	---	"	91.8%	(57-137)	---	---	"	
Chrysene	"	0.703	---	0.0100	"	"	---	"	105%	(70-139)	---	---	"	
Dibenz (a,h) anthracene	"	0.583	---	0.0100	"	"	---	"	87.4%	(56-140)	---	---	"	
Fluoranthene	"	0.718	---	0.0100	"	"	---	"	108%	(70-141)	---	---	"	
Fluorene	"	0.738	---	0.0100	"	"	---	"	111%	(76-132)	---	---	"	
Indeno (1,2,3-cd) pyrene	"	0.573	---	0.0100	"	"	---	"	85.9%	(55-138)	---	---	"	
1-Methylnaphthalene	"	0.655	---	0.0100	"	"	---	"	98.2%	(46-128)	---	---	"	
2-Methylnaphthalene	"	0.681	---	0.0100	"	"	---	"	102%	(41-125)	---	---	"	
Naphthalene	"	0.641	---	0.0100	"	"	---	"	96.1%	(43-125)	---	---	"	
Phenanthrene	"	0.639	---	0.0100	"	"	---	"	95.8%	(73-125)	---	---	"	

TestAmerica - Seattle, WA

Kate Hancy

Kate Hancy, Project Manager

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Kennedy/Jenks Consultants	Project Name: Harborview	
32001 32nd Ave S Ste 100	Project Number: [none]	Report Created:
Federal Way, WA/USA 98001	Project Manager: Ross Dunning	03/07/07 16:59

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM - Laboratory Quality Control Results
 TestAmerica - Seattle, WA

QC Batch: 7C02029	Soil Preparation Method: EPA 3550B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes

LCS (7C02029-BSt)										Extracted: 03/02/07 14:30				
Pyrene	EPA 8270-SIM	0.732	---	0.0100	mg/kg wet	1x	--	0.667	110%	(68-140)	--	--	03/06/07 11:06	
Surrogate(s): p-Terphenyl-d14		Recovery: 110%		Limits: 50-147%		"				11/06/07 11:06				

Matrix Spike (7C02029-MSt)										QC Source: BQB0496-22				
										Extracted: 03/02/07 14:30				
Acenaphthene	EPA 8270-SIM	0.660	---	0.0106	mg/kg dry	1x	ND	0.705	93.6%	(67-132)	--	--	03/06/07 11:40	
Acenaphthylene	"	0.732	---	0.0106	"	"	ND	"	104%	(65-142)	--	--	"	
Anthracene	"	0.731	---	0.0106	"	"	ND	"	104%	(66-158)	--	--	"	
Benzo (a) anthracene	"	0.635	---	0.0106	"	"	ND	"	90.1%	(41-156)	--	--	"	
Benzo (a) pyrene	"	0.679	---	0.0106	"	"	ND	"	96.3%	(52-148)	--	--	"	
Benzo (b) fluoranthene	"	0.685	---	0.0106	"	"	ND	"	97.2%	(53-151)	--	--	"	
Benzo (k) fluoranthene	"	0.730	---	0.0106	"	"	ND	"	104%	(46-161)	--	--	"	
Benzo (ghi) perylene	"	0.558	---	0.0106	"	"	ND	"	79.1%	(26-154)	--	--	"	
Chrysene	"	0.688	---	0.0106	"	"	ND	"	97.6%	(55-155)	--	--	"	
Dibenz (a,h) anthracene	"	0.529	---	0.0106	"	"	ND	"	75.0%	(27-157)	--	--	"	
Fluoranthene	"	0.700	---	0.0106	"	"	ND	"	99.3%	(46-172)	--	--	"	
Fluorene	"	0.723	---	0.0106	"	"	ND	"	103%	(66-143)	--	--	"	
Indeno (1,2,3-cd) pyrene	"	0.523	---	0.0106	"	"	ND	"	74.2%	(24-159)	--	--	"	
1-Methylnaphthalene	"	0.636	---	0.0106	"	"	ND	"	90.2%	(39-140)	--	--	"	
2-Methylnaphthalene	"	0.660	---	0.0106	"	"	ND	"	93.6%	(32-139)	--	--	"	
Naphthalene	"	0.622	---	0.0106	"	"	ND	"	88.2%	(38-134)	--	--	"	
Phenanthrene	"	0.625	---	0.0106	"	"	ND	"	88.7%	(63-139)	--	--	"	
Pyrene	"	0.732	---	0.0106	"	"	ND	"	104%	(51-172)	--	--	"	
Surrogate(s): p-Terphenyl-d14		Recovery: 101%		Limits: 50-147%		"				11/06/07 11:40				

Matrix Spike Dup (7C02029-MSD1)										QC Source: BQB0496-22				
										Extracted: 03/02/07 14:30				
Acenaphthene	EPA 8270-SIM	0.716	---	0.0106	mg/kg dry	1x	ND	0.705	102%	(67-132)	8.14% (50)		03/06/07 12:14	
Acenaphthylene	"	0.792	---	0.0106	"	"	ND	"	112%	(65-142)	7.87%	"	"	
Anthracene	"	0.809	---	0.0106	"	"	ND	"	115%	(66-158)	10.1%	"	"	
Benzo (a) anthracene	"	0.708	---	0.0106	"	"	ND	"	100%	(41-156)	10.9%	"	"	
Benzo (a) pyrene	"	0.760	---	0.0106	"	"	ND	"	108%	(52-148)	11.3%	"	"	
Benzo (b) fluoranthene	"	0.730	---	0.0106	"	"	ND	"	104%	(53-151)	6.36%	"	"	
Benzo (k) fluoranthene	"	0.657	---	0.0106	"	"	ND	"	93.2%	(46-161)	10.5%	"	"	
Benzo (ghi) perylene	"	0.646	---	0.0106	"	"	ND	"	91.6%	(26-154)	14.6%	"	"	
Chrysene	"	0.759	---	0.0106	"	"	ND	"	108%	(55-155)	9.81% (44)	"	"	
Dibenz (a,h) anthracene	"	0.611	---	0.0106	"	"	ND	"	86.7%	(27-157)	14.4% (50)	"	"	
Fluoranthene	"	0.790	---	0.0106	"	"	ND	"	112%	(46-172)	12.1%	"	"	
Fluorene	"	0.784	---	0.0106	"	"	ND	"	111%	(66-143)	8.10% (52)	"	"	
Indeno (1,2,3-cd) pyrene	"	0.604	---	0.0106	"	"	ND	"	85.7%	(24-159)	14.4% (43)	"	"	

TestAmerica - Seattle, WA

Kate Dunning

Kate Dunning, Project Manager

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Kennedy/Jenks Consultants	Project Name: Harborview	Report Created:
32001 32nd Ave S Ste 100	Project Number: [none]	03/07/07 16:59
Federal Way, WA/USA 98001	Project Manager: Ross Dunning	

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM - Laboratory Quality Control Results
 TestAmerica - Seattle, WA

QC Batch: 7C02029 Soil Preparation Method: EPA 3550B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Matrix Spike Dup (7C02029-MSD1)				QC Source: BQB0496-22				Extracted: 03/02/07 14:30						
1-Methylnaphthalene	EPA 8270-SIM	0.672	---	0.0106	mg/kg dry	1x	ND	0.705	95.3%	(39-140)	5.50%	(50)	03/06/07 12:14	
2-Methylnaphthalene	"	0.697	---	0.0106	"	"	ND	"	98.9%	(32-139)	5.45%	"	"	
Naphthalene	"	0.650	---	0.0106	"	"	ND	"	91.2%	(38-134)	4.40%	"	"	
Phenanthrene	"	0.691	---	0.0106	"	"	ND	"	98.0%	(63-119)	10.0%	"	"	
Pyrene	"	0.755	---	0.0106	"	"	ND	"	107%	(51-172)	3.09%	"	"	
Surrogate(s): p-Terphenyl-d14		Recovery:	105%	Limit:	51-147%	"	03/06/07 12:34							

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Kate Hancy

Kate Hancy, Project Manager

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Kennedy/Jenks Consultants	Project Name: Harborview	
32001 32nd Ave S Ste 100	Project Number: [none]	Report Created:
Federal Way, WA/USA 98001	Project Manager: Ross Dunning	03/07/07 16:59

Physical Parameters by APHA/ASTM/EPA Methods - Laboratory Quality Control Results
 TestAmerica - Seattle, WA

QC Batch: 7B26065	Soil Preparation Method: Dry Weight

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7B26065-BLK1)										Extracted: 02/26/07 15:02				
Dry Weight	BSOPSPLO0 3R08	99.7	---	1.00	%	1x	--	--	--	--	--	--	02/28/07 00:00	

QC Batch: 7C05051	Soil Preparation Method: Dry Weight

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7C05051-BLK1)										Extracted: 03/05/07 15:15				
Dry Weight	BSOPSPLO0 3R08	100	---	1.00	%	1x	--	--	--	--	--	--	03/06/07 00:00	

TestAmerica - Seattle, WA

Kate Dunning

Kate Haney, Project Manager

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Kennedy/Jenks Consultants	Project Name: Harborview	
32001 32nd Ave S Ste 100	Project Number: [none]	Report Created:
Federal Way, WA/USA 98001	Project Manager: Ross Dunning	03/07/07 16:59

Notes and Definitions

Report Specific Notes:

- M2 - The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
- M4 - The sample required a dilution due to matrix interference. Because of this dilution, the matrix spike concentrations in the sample were reduced to a level where the recovery calculation does not provide useful information. See Blank Spike (LCS).
- R4 - Due to the low levels of analyte in the sample, the duplicate RPD calculation does not provide useful information.

Laboratory Reporting Conventions:

- DET - Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only.
- ND - Analyte NOT DETECTED at or above the reporting limit (MDL or MRL, as appropriate).
- NR/NA - Not Reported / Not Available
- dry - Sample results reported on a Dry Weight Basis. Results and Reporting Limits have been corrected for Percent Dry Weight.
- wet - Sample results and reporting limits reported on a Wet Weight Basis (as received). Results with neither 'wet' nor 'dry' are reported on a Wet Weight Basis.
- RPD - RELATIVE PERCENT DIFFERENCE (RPDs calculated using Results, not Percent Recoveries).
- MRL - METHOD DETECTION LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.
- MDL* - METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B. *MDLs are listed on the report only if the data has been evaluated below the MRL. Results between the MDL and MRL are reported as Estimated Results.
- Dil - Dilutions are calculated based on deviations from the standard dilution performed for an analysis, and may not represent the dilution found on the analytical raw data.
- Reporting Limits - Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and percent solids, where applicable.
- Electronic Signature - Electronic Signature added in accordance with TestAmerica's *Electronic Reporting and Electronic Signatures Policy*. Application of electronic signature indicates that the report has been reviewed and approved for release by the laboratory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

TestAmerica - Seattle, WA

Kate Haney

Kate Haney, Project Manager

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Appendix C

Disposal Documentation

LABANCO - 01/11/05 - 12/06/05

1 of 2

Activity By Job ID

Report period November 2005

Job ID: 05-1327 1,935 BNSF / Bruce Sheppard

Date	Ticket #	Rail Car/Train Address	Container	Material Code/Desc	Gross	Tare	Net	Tons	Origin/Facility	Dispatch Date
11/11/05	3:09 p	14,679 DTTX54370	ICSU464289	34 PCS 34	89,600	43,620	45,980	22.99	Everett Incl. Snohomish County	11/09/05
11/11/05	3:17 p	14,680 BNSF230039	SCXU825629	34 PCS 34	83,600	43,040	40,560	20.28	Everett Incl. Snohomish County	11/09/05
11/11/05	3:19 p	14,681 BNSF230039	GCEU430228	34 PCS 34	72,120	42,780	29,340	14.67	Everett Incl. Snohomish County	11/09/05
11/18/05	9:15 a	16,402 BN238372	TOLU424173	34 PCS 34	99,720	47,400	52,320	26.16	Everett Incl. Snohomish County	11/16/05
11/18/05	9:24 a	16,406 BN238372	GCEU435548	34 PCS 34	75,780	42,580	33,200	16.60	Everett Incl. Snohomish County	11/16/05
11/18/05	9:25 a	16,410 BN238372	TOLU458381	34 PCS 34	93,300	42,640	50,660	25.33	Everett Incl. Snohomish County	11/16/05
11/18/05	9:30 a	16,416 BN238372	TOLU422405	34 PCS 34	93,360	43,080	50,280	25.14	Everett Incl. Snohomish County	11/16/05
11/18/05	9:47 a	16,426 BN238372	TRLU901242	34 PCS 34	93,420	43,480	49,940	24.97	Everett Incl. Snohomish County	11/16/05
11/19/05	5:06 p	16,863 DTTX456343	GCEU425664	34 PCS 34	91,540	42,300	49,240	24.62	Everett Incl. Snohomish County	11/17/05
11/19/05	5:36 p	16,870 DTTX427975	TRLU902653	34 PCS 34	77,520	41,440	36,080	18.04	Everett Incl. Snohomish County	11/17/05
11/19/05	5:42 p	16,871 DTTX56864	GCEU420039	34 PCS 34	103,240	43,160	60,080	30.04	Everett Incl. Snohomish County	11/17/05
11/19/05	5:45 p	16,877 DTTX427975	GCEU435123	34 PCS 34	88,300	42,100	46,200	23.10	Everett Incl. Snohomish County	11/17/05
11/19/05	5:58 p	16,879 DTTX56864	TOLU456914	34 PCS 34	95,780	41,960	53,820	26.91	Everett Incl. Snohomish County	11/17/05
11/19/05	5:58 p	16,882 DTTX427975	TRLU900310	34 PCS 34	97,360	48,520	48,840	24.42	Everett Incl. Snohomish County	11/17/05
11/19/05	5:46 p	16,888 DTTX427975	GCEU435239	34 PCS 34	70,120	42,280	27,840	13.92	Everett Incl. Snohomish County	11/17/05
11/19/05	5:35 p	16,895 DTTX456343	TOLU452043	34 PCS 34	94,140	42,580	51,560	25.78	Everett Incl. Snohomish County	11/17/05
11/23/05	9:20 a	17,458 BNSF230030	TOLU458817	34 PCS 34	92,100	42,960	49,140	24.57	Everett Incl. Snohomish County	11/21/05
11/23/05	9:28 a	17,464 BNSF238372	TOLU466638	34 PCS 34	99,340	43,740	55,600	27.80	Everett Incl. Snohomish County	11/21/05
11/23/05	9:35 a	17,476 BNSF230030	TOLU456939	34 PCS 34	98,520	43,540	54,980	27.49	Everett Incl. Snohomish County	11/21/05
11/26/05	10:09 a	18,039 BN629404	SCXU244885	34 PCS 34	88,000	42,480	45,520	22.76	Everett Incl. Snohomish County	11/23/05
11/26/05	10:10 a	18,041 BN629404	TOLU456216	34 PCS 34	82,300	43,200	39,100	19.55	Everett Incl. Snohomish County	11/23/05
11/26/05	10:14 a	18,044 BN629404	TOLU457207	34 PCS 34	87,260	42,840	44,420	22.21	Everett Incl. Snohomish County	11/23/05
11/26/05	10:28 a	18,049 BNSF238369	TRLU901215	34 PCS 34	91,240	45,260	45,980	22.99	Everett Incl. Snohomish County	11/23/05
11/26/05	10:22 a	18,052 BNSF238369	GCEU431966	34 PCS 34	83,380	41,860	41,520	20.76	Everett Incl. Snohomish County	11/23/05
11/26/05	10:21 a	18,057 BNSF238369	TOLU424168	34 PCS 34	86,940	41,920	45,020	22.51	Everett Incl. Snohomish County	11/23/05
11/26/05	10:48 a	18,068 DTTX427975	TOLU458613	34 PCS 34	100,600	47,840	52,760	26.38	Everett Incl. Snohomish County	11/22/05
11/26/05	10:58 a	18,076 DTTX427975	TRLU900962	34 PCS 34	93,540	43,500	50,040	25.02	Everett Incl. Snohomish County	11/22/05

TO: Teresa
From: Vicky

2 of 2

Activity By Job ID

Report period November 2005

11/26/05 11:10 a	18,080 DTTX742185	TOLU468313	34	PCS 34	95,060	42,100	52,960	26.48	✓	Everett Incl. Snohomish County	11/22/05
11/26/05 11:20 a	18,086 DTTX742185	TOLU425282	34	PCS 34	98,940	41,520	57,420	28.71	✓	Everett Incl. Snohomish County	11/22/05
11/26/05 12:03 p	18,114 DTTX742185	GCEU425897	34	PCS 34	96,360	43,200	53,160	26.58	✓	Everett Incl. Snohomish County	11/22/05
11/26/05 12:08 p	18,116 DTTX742185	TOLU468969	34	PCS 34	91,820	42,420	49,400	24.70	✓	Everett Incl. Snohomish County	11/22/05
11/30/05 5:51 pm	19,108 BNSF3056	TOLU468710	34	PCS 34	86,740	41,880	44,860	22.43	✓	Everett Incl. Snohomish County	11/28/05
11/30/05 5:57 pm	19,113 BNSF3056	GCEU430222	34	PCS 34	97,040	47,420	49,620	24.81	✓	Everett Incl. Snohomish County	11/28/05
11/30/05 6:01 pm	19,116 BNSF3056	GCEU426058	34	PCS 34	95,120	41,640	53,480	26.74	✓	Everett Incl. Snohomish County	11/28/05
11/30/05 6:06 pm	19,119 BNSF3056	GCEU431157	34	PCS 34	92,200	42,400	49,800	24.90	✓	Everett Incl. Snohomish County	11/28/05
11/30/05 6:13 pm	19,128 BNSF3056	GCEU432088	34	PCS 34	84,300	42,660	41,640	20.82	✓	Everett Incl. Snohomish County	11/28/05
11/30/05 6:20 pm	19,130 BNSF238372	GCEU425181	34	PCS 34	99,440	46,860	52,580	26.29	✓	Everett Incl. Snohomish County	11/28/05
11/30/05 6:05 pm	19,138 BNSF3056	TOLU465268	34	PCS 34	92,960	42,940	50,020	25.01	✓	Everett Incl. Snohomish County	11/28/05
11/30/05 6:25 pm	19,142 BNSF238372	TOLU460443	34	PCS 34	94,340	46,020	48,320	24.16	✓	Everett Incl. Snohomish County	11/28/05
11/30/05 6:44 pm	19,144 BNSF238372	GCEU431190	34	PCS 34	85,800	42,300	43,500	21.75	✓	Everett Incl. Snohomish County	11/28/05
11/30/05 6:47 pm	19,146 BNSF238372	TOLU468777	34	PCS 34	98,060	42,500	55,560	27.78	✓	Everett Incl. Snohomish County	11/28/05
11/30/05 6:49 pm	19,148 BNSF238372	GCEU432053	34	PCS 34	91,280	42,180	49,100	24.55	✓	Everett Incl. Snohomish County	11/28/05
12/2/05 4:10 pm	19,670 BNSF238369	GCEU431471	34	PCS 34	95,280	39,480	55,800	27.90	✓	Everett Incl. Snohomish County	11/29/05
12/2/05 4:13 pm	19,681 BNSF238369	TPHU252136	34	PCS 34	88,600	42,820	45,780	22.89	✓	Everett Incl. Snohomish County	11/29/05
12/2/05 11:10 pm	19,790 BNSF238369	TOLU473720	34	PCS 34	85,560	43,660	41,900	20.95	✓	Everett Incl. Snohomish County	11/29/05
12/6/05 9:32 am	20,301 BNSF238372	TOLU455052	34	PCS 34	92,600	42,880	49,720	24.86	✓	Everett Incl. Snohomish County	12/03/05
12/6/05 9:59 am	20,304 BNSF238372	TOLU459456	34	PCS 34	88,366	42,940	45,426	22.71	✓	Everett Incl. Snohomish County	12/03/05
12/6/05 9:38 am	20,311 BNSF238372	TPHU252626	34	PCS 34	92,720	45,420	47,300	23.65	✓	Everett Incl. Snohomish County	12/03/05
12/23/05 12:46 p	900,007 34753 Rub		510	Trucking	1	0	1	0.00		Roosevelt Landfill	
Total For Job 05-1327					49 Loads			1143.68 TN			

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Account # 0000615

Customer Name BURLINGTON NORTHERN SANTA FE

Profile Number	PC Scale Ticket #	OWS Ticket #	Load Date	Tip Date	Container Number	Manifest Number	Tons
2612VC	304044	25591	12/7/2005	12/14/2005			32.33 \$ ✓
	304045	25592	12/7/2005	12/14/2005			30.62 \$ ✓
	304046	25593	12/7/2005	12/14/2005			35.13 \$ ✓
	304047	25594	12/7/2005	12/14/2005			33.42 \$ ✓
	304048	25595	12/7/2005	12/14/2005			36.69 \$ ✓
	304049	25596	12/7/2005	12/14/2005			36.79 \$ ✓
	304050	25597	12/7/2005	12/14/2005			31.12 \$ ✓
	304051	25598	12/7/2005	12/14/2005			31.39 \$ ✓
	304052	25603	12/7/2005	12/14/2005			33.26 \$ ✓
	304053	25604	12/7/2005	12/14/2005			32.82 \$ ✓
	304054	25605	12/7/2005	12/14/2005			34.85 \$ ✓
	304055	25606	12/7/2005	12/14/2005			29.31 \$ ✓
	304057	25608	12/7/2005	12/14/2005			31.38 \$ ✓
	304059	25609	12/7/2005	12/14/2005			34.26 \$ ✓
	304060	25611	12/7/2005	12/14/2005			25.84 \$ ✓
	304061	25612	12/7/2005	12/14/2005			29.76 \$ ✓
	304062	25616	12/7/2005	12/14/2005			30.18 \$ ✓
	304063	25617	12/7/2005	12/14/2005			34.76 \$ ✓
	304064	25618	12/7/2005	12/14/2005			32.24 \$ ✓
	304065	25619	12/7/2005	12/14/2005			30.83 \$ ✓
	304067	25620	12/7/2005	12/14/2005			30.09 \$ ✓
	304068	25621	12/7/2005	12/14/2005			33.70 \$ ✓
	304069	25622	12/7/2005	12/14/2005			27.60 \$ ✓
	304071	25623	12/7/2005	12/14/2005			33.24 \$ ✓
	304072	25628	12/7/2005	12/14/2005			33.35 \$ ✓
	304073	25629	12/7/2005	12/14/2005			31.33 \$ ✓
	304075	25630	12/7/2005	12/14/2005			35.10 \$ ✓
	304076	25631	12/8/2005	12/14/2005			33.64 \$ ✓
	304077	25632	12/8/2005	12/14/2005			35.62 \$ ✓
	304078	25633	12/8/2005	12/14/2005			33.30 \$ ✓
	304080	25634	12/8/2005	12/14/2005			31.87 \$ ✓
	304081	25641	12/8/2005	12/14/2005			31.29 \$ ✓
	304082	25643	12/8/2005	12/14/2005			34.42 \$ ✓
	304083	25644	12/8/2005	12/14/2005			33.50 \$ ✓
	304084	25645	12/8/2005	12/14/2005			34.53 \$ ✓
	304085	25646	12/8/2005	12/14/2005			30.89 \$ ✓
	304086	25647	12/8/2005	12/14/2005			30.15 \$ ✓
	304088	25648	12/8/2005	12/14/2005			27.94 \$ ✓
	304089	25649	12/8/2005	12/14/2005			32.79 \$ ✓
	304090	25650	12/8/2005	12/14/2005			32.84 \$ ✓
	304092	25651	12/8/2005	12/14/2005			32.79 \$ ✓
	304093	25655	12/8/2005	12/14/2005			32.04 \$ ✓
	304094	25658	12/8/2005	12/14/2005			33.32 \$ ✓
	304096	25660	12/8/2005	12/14/2005			33.39 \$ ✓
	304097	25661	12/8/2005	12/14/2005			30.33 \$ ✓
	304099	25662	12/8/2005	12/14/2005			33.02 \$ ✓
	304101	25664	12/8/2005	12/14/2005			35.04 \$ ✓
	304103	25666	12/8/2005	12/14/2005			33.28 \$ ✓
	304104	25667	12/8/2005	12/14/2005			31.89 \$ ✓
	304106	25668	12/8/2005	12/14/2005			28.00 \$ ✓

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304107	25670	12/8/2005	12/14/2005	34.05	\$
304109	25671	12/8/2005	12/14/2005	31.60	\$
304111	25674	12/8/2005	12/14/2005	26.57	\$
304113	25676	12/8/2005	12/14/2005	30.65	\$
304115	25677	12/8/2005	12/14/2005	32.67	\$
304117	25678	12/8/2005	12/14/2005	33.01	\$
304119	25679	12/8/2005	12/14/2005	33.36	\$
304128	25680	12/8/2005	12/14/2005	31.95	\$
304130	25681	12/8/2005	12/14/2005	38.60	\$
304131	25682	12/8/2005	12/14/2005	32.86	\$
304132	25684	12/8/2005	12/14/2005	30.06	\$
304134	25685	12/8/2005	12/14/2005	33.65	\$
304135	25686	12/8/2005	12/14/2005	35.14	\$
304137	25687	12/8/2005	12/14/2005	31.21	\$
304138	25689	12/8/2005	12/14/2005	33.10	\$
304139	25691	12/8/2005	12/14/2005	30.95	\$
304141	25692	12/8/2005	12/14/2005	28.53	\$
304145	25693	12/8/2005	12/14/2005	30.87	\$
304148	25694	12/8/2005	12/14/2005	31.87	\$
304150	25695	12/8/2005	12/14/2005	32.49	\$
304153	25696	12/8/2005	12/14/2005	37.50	\$
304155	25697	12/8/2005	12/14/2005	32.72	\$
304157	25698	12/9/2005	12/14/2005	35.75	\$
304159	25699	12/9/2005	12/14/2005	33.81	\$
304161	25700	12/9/2005	12/14/2005	31.76	\$
304164	25701	12/9/2005	12/14/2005	32.45	\$
304165	25704	12/9/2005	12/14/2005	28.21	\$
304168	25705	12/9/2005	12/14/2005	32.61	\$
304170	25706	12/9/2005	12/14/2005	34.71	\$
304173	25707	12/9/2005	12/14/2005	32.70	\$
304174	25708	12/9/2005	12/14/2005	33.65	\$
304177	25709	12/9/2005	12/14/2005	33.30	\$
304178	25710	12/9/2005	12/14/2005	33.21	\$
304180	25713	12/9/2005	12/14/2005	34.32	\$
304181	25714	12/9/2005	12/14/2005	33.47	\$
304183	25715	12/9/2005	12/14/2005	32.58	\$
304184	25717	12/9/2005	12/14/2005	30.90	\$
304187	25722	12/9/2005	12/14/2005	32.92	\$
304188	25724	12/9/2005	12/14/2005	31.34	\$
304189	25725	12/9/2005	12/14/2005	34.13	\$
304191	25726	12/9/2005	12/14/2005	31.97	\$
304192	25727	12/9/2005	12/14/2005	32.05	\$
304196	25728	12/9/2005	12/14/2005	32.75	\$
304198	25730	12/9/2005	12/14/2005	32.51	\$
304200	25731	12/9/2005	12/14/2005	33.13	\$
304202	25733	12/9/2005	12/14/2005	31.43	\$
304203	25734	12/9/2005	12/14/2005	33.63	\$
304205	25735	12/9/2005	12/14/2005	30.44	\$
304207	25740	12/9/2005	12/14/2005	34.61	\$
304209	25741	12/9/2005	12/14/2005	28.02	\$
304211	25742	12/9/2005	12/14/2005	34.82	\$
304212	25744	12/9/2005	12/14/2005	31.96	\$
304213	25746	12/9/2005	12/14/2005	32.70	\$
304215	25747	12/9/2005	12/14/2005	32.29	\$
304217	25748	12/9/2005	12/14/2005	35.45	\$

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304219	25750	12/9/2005	12/14/2005	29.62
304221	25751	12/9/2005	12/14/2005	34.75
304223	25753	12/9/2005	12/14/2005	36.55
304225	25755	12/9/2005	12/14/2005	33.43
304227	25756	12/9/2005	12/14/2005	34.38

Profile Total	Profile Loads: 110	3,578.99

Customer Total	Customer Loads: 110	3,578.99

Send payment and enclosed remittance advice to:

Waste Management
Columbia Ridge Landfill
PO BOX 78251
Phoenix, AZ 85062-8251

We thank you for your Business and Prompt Payment!

WASTE MANAGEMENT 12/12/05 - 12/22/05

CUSTOMER INVOICE SUMMARY REPORT

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Account # 0000615

Customer Name BURLINGTON NORTHERN SANTA FE

Profile Number	PC Scale Ticket #	OWS Ticket #	Load Date	Tip Date	Container Number	Manifest Number	Tons
2612VC	305289	25759	12/12/2005	12/21/2005			33.16
	305290	25760	12/12/2005	12/21/2005			34.74
	305292	25761	12/12/2005	12/21/2005			28.20
	305293	25763	12/12/2005	12/21/2005			31.95
	305294	25764	12/12/2005	12/21/2005			35.69
	305295	25765	12/12/2005	12/21/2005			32.29
	305296	25766	12/12/2005	12/21/2005			32.26
	305297	25767	12/12/2005	12/21/2005			38.78
	305298	25768	12/12/2005	12/21/2005			32.45
	305299	25772	12/12/2005	12/21/2005			33.06
	305300	25776	12/12/2005	12/21/2005			32.73
	305302	25777	12/12/2005	12/21/2005			33.43
	305303	25778	12/12/2005	12/21/2005			33.35
	305305	25780	12/12/2005	12/21/2005			31.33
	305306	25782	12/12/2005	12/21/2005			33.48
	305308	25784	12/12/2005	12/21/2005			35.54
	305309	25785	12/12/2005	12/21/2005			33.59
	305311	25786	12/12/2005	12/21/2005			36.00
	305313	25787	12/12/2005	12/21/2005			34.41
	305314	25789	12/12/2005	12/21/2005			34.25
	305317	25794	12/12/2005	12/21/2005			33.81
	305318	25796	12/12/2005	12/21/2005			31.72
	305319	25797	12/12/2005	12/21/2005			31.93
	305320	25798	12/12/2005	12/21/2005			32.14
	305321	25799	12/12/2005	12/21/2005			33.22
	305327	25801	12/12/2005	12/21/2005			29.92
	305328	25802	12/12/2005	12/21/2005			33.68
	305332	25803	12/12/2005	12/21/2005			33.26
	305335	25805	12/12/2005	12/21/2005			33.21
	305337	25806	12/12/2005	12/21/2005			34.04
	305342	25808	12/12/2005	12/21/2005			34.41
	305346	25815	12/13/2005	12/21/2005			36.08
	305356	25816	12/13/2005	12/21/2005			32.40
	305357	25817	12/13/2005	12/21/2005			33.54
	305360	25818	12/13/2005	12/21/2005			30.80
	305363	25819	12/13/2005	12/21/2005			33.70
	305366	25824	12/13/2005	12/21/2005			34.81
	305370	25825	12/13/2005	12/21/2005			33.07
	305371	25826	12/13/2005	12/21/2005			30.92
	305373	25827	12/13/2005	12/21/2005			34.50
	305375	25828	12/13/2005	12/21/2005			31.05
	305376	25829	12/13/2005	12/21/2005			34.64
	305380	25830	12/13/2005	12/21/2005			34.34
	305382	25832	12/13/2005	12/21/2005			32.36
	305383	25833	12/13/2005	12/21/2005			33.36
	305384	25834	12/13/2005	12/21/2005			35.67
	305386	25841	12/13/2005	12/21/2005			31.64
	305387	25842	12/13/2005	12/21/2005			32.36
	305388	25843	12/13/2005	12/21/2005			32.27
	305389	25844	12/13/2005	12/21/2005			30.99

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305390	25845	12/13/2005	12/21/2005	33.32
305392	25846	12/13/2005	12/21/2005	33.54
305393	25847	12/13/2005	12/21/2005	33.46
305395	25850	12/13/2005	12/21/2005	33.56
305397	25851	12/13/2005	12/21/2005	34.20
305399	25852	12/13/2005	12/21/2005	34.47
305400	25857	12/13/2005	12/21/2005	33.02
305401	25858	12/13/2005	12/21/2005	33.35
305403	25859	12/13/2005	12/21/2005	29.68
305405	25861	12/13/2005	12/21/2005	31.52
305406	25862	12/13/2005	12/21/2005	33.85
305408	25863	12/13/2005	12/21/2005	33.74
305409	25865	12/13/2005	12/21/2005	34.05
305411	25870	12/13/2005	12/21/2005	31.89
305413	25871	12/13/2005	12/21/2005	32.55
305415	25872	12/13/2005	12/21/2005	32.01
305416	25873	12/13/2005	12/21/2005	30.60
305418	25877	12/13/2005	12/21/2005	31.41
305420	25878	12/13/2005	12/21/2005	32.13
305422	25879	12/13/2005	12/21/2005	33.44
305424	25880	12/13/2005	12/21/2005	33.06
305426	25882	12/13/2005	12/21/2005	32.02
305427	25883	12/14/2005	12/21/2005	32.53
305430	25884	12/14/2005	12/21/2005	34.23
305432	25885	12/14/2005	12/21/2005	34.48
305434	25891	12/14/2005	12/21/2005	32.70
305436	25892	12/14/2005	12/21/2005	32.80
305437	25893	12/14/2005	12/21/2005	34.72
305439	25894	12/14/2005	12/21/2005	34.54
305441	25895	12/14/2005	12/21/2005	37.63
305442	25897	12/14/2005	12/21/2005	32.41
305445	25898	12/14/2005	12/21/2005	34.71
305446	25899	12/14/2005	12/21/2005	34.83
305448	25900	12/14/2005	12/21/2005	38.77
305450	25906	12/14/2005	12/21/2005	31.25
305451	25907	12/14/2005	12/21/2005	33.50
305453	25908	12/14/2005	12/21/2005	34.71
305455	25910	12/14/2005	12/21/2005	33.38
305456	25913	12/14/2005	12/21/2005	32.73
305459	25914	12/14/2005	12/21/2005	34.80
305460	25915	12/14/2005	12/21/2005	31.94
305462	25916	12/14/2005	12/21/2005	34.45
305464	25918	12/14/2005	12/21/2005	35.21
305465	25921	12/14/2005	12/21/2005	30.07
305467	25922	12/14/2005	12/21/2005	30.87
305469	25924	12/14/2005	12/21/2005	32.19
305470	25927	12/14/2005	12/21/2005	34.14
305472	25928	12/14/2005	12/21/2005	31.70
305474	25929	12/14/2005	12/21/2005	28.41
305475	25930	12/14/2005	12/21/2005	32.83
305478	25931	12/14/2005	12/21/2005	34.52
305479	25933	12/14/2005	12/21/2005	34.62
305481	25935	12/14/2005	12/21/2005	31.74
305482	25936	12/14/2005	12/21/2005	33.53
305483	25937	12/14/2005	12/21/2005	34.33

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305484	25938	12/14/2005	12/21/2005	32.77
305485	25939	12/15/2005	12/21/2005	34.05
305486	25940	12/15/2005	12/21/2005	36.84
305487	25941	12/15/2005	12/21/2005	35.22
305488	25942	12/15/2005	12/21/2005	36.13
305490	25946	12/15/2005	12/21/2005	33.13
305491	25948	12/15/2005	12/21/2005	33.68
305492	25949	12/15/2005	12/21/2005	29.77
305494	25951	12/15/2005	12/21/2005	35.15
305496	25954	12/15/2005	12/21/2005	30.83
305497	25956	12/15/2005	12/21/2005	34.84
305499	25957	12/15/2005	12/21/2005	33.93
305500	25958	12/15/2005	12/21/2005	34.09
305501	25959	12/15/2005	12/21/2005	32.08
305502	25963	12/15/2005	12/21/2005	32.13
305503	25964	12/15/2005	12/21/2005	34.87
305504	25966	12/15/2005	12/21/2005	32.41
305505	25967	12/15/2005	12/21/2005	30.83
305506	25968	12/15/2005	12/21/2005	33.74
305507	25972	12/15/2005	12/21/2005	31.81
305508	25973	12/15/2005	12/21/2005	33.85
305509	25975	12/15/2005	12/21/2005	31.53
305510	25977	12/15/2005	12/21/2005	36.12
305511	25978	12/15/2005	12/21/2005	32.04
305512	25982	12/15/2005	12/21/2005	34.00
305513	25989	12/15/2005	12/21/2005	30.84
305514	25990	12/15/2005	12/21/2005	34.53
305515	25993	12/15/2005	12/21/2005	34.81
305517	25994	12/15/2005	12/21/2005	37.03
305519	25996	12/15/2005	12/21/2005	34.83
305520	25997	12/15/2005	12/21/2005	33.56
305521	25999	12/15/2005	12/21/2005	32.31
305522	26000	12/15/2005	12/21/2005	33.27
305523	26004	12/15/2005	12/21/2005	30.26
305524	26006	12/16/2005	12/21/2005	33.52
305525	26007	12/16/2005	12/21/2005	33.26
305526	26008	12/16/2005	12/21/2005	33.29
305527	26009	12/16/2005	12/21/2005	33.96
305528	26010	12/16/2005	12/21/2005	32.02
305529	26011	12/16/2005	12/21/2005	28.88
305530	26012	12/16/2005	12/21/2005	32.16
305531	26013	12/16/2005	12/21/2005	34.86
305532	26014	12/16/2005	12/21/2005	32.19
305533	26015	12/16/2005	12/21/2005	34.24
305534	26016	12/16/2005	12/21/2005	35.81
305535	26018	12/16/2005	12/21/2005	34.50
305536	26023	12/16/2005	12/21/2005	31.77
305537	26024	12/16/2005	12/21/2005	30.85
305538	26025	12/16/2005	12/21/2005	32.48
305539	26028	12/16/2005	12/21/2005	34.33
305540	26029	12/16/2005	12/21/2005	32.65
305541	26030	12/16/2005	12/21/2005	34.62
305542	26031	12/16/2005	12/21/2005	33.70
305543	26033	12/16/2005	12/21/2005	34.32
305544	26034	12/16/2005	12/21/2005	32.71

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305545	26035	12/16/2005	12/21/2005	31.96
305546	26038	12/16/2005	12/21/2005	34.21
305547	26041	12/16/2005	12/21/2005	31.58
305548	26044	12/16/2005	12/21/2005	35.01
305549	26045	12/16/2005	12/21/2005	32.56
305550	26046	12/16/2005	12/21/2005	32.50
305551	26047	12/16/2005	12/21/2005	33.49
305552	26049	12/16/2005	12/21/2005	31.14
305553	26050	12/16/2005	12/21/2005	32.89
305554	26051	12/16/2005	12/21/2005	30.54
305555	26052	12/16/2005	12/21/2005	34.01
305556	26053	12/16/2005	12/21/2005	31.01
306543	26062	12/19/2005	12/26/2005	31.95
306544	26063	12/19/2005	12/26/2005	33.91
306545	26064	12/19/2005	12/26/2005	33.94
306546	26065	12/19/2005	12/26/2005	31.20
306547	26068	12/19/2005	12/26/2005	34.86
306548	26069	12/19/2005	12/26/2005	34.78
306549	26070	12/19/2005	12/26/2005	32.54
306550	26072	12/19/2005	12/26/2005	34.85
306551	26074	12/19/2005	12/26/2005	33.18
306552	26075	12/19/2005	12/26/2005	37.32
306553	26086	12/19/2005	12/26/2005	32.42
306554	26088	12/19/2005	12/26/2005	30.75
306555	26090	12/19/2005	12/26/2005	32.80
306556	26095	12/19/2005	12/26/2005	34.05
306557	26096	12/19/2005	12/26/2005	33.80
306558	26097	12/19/2005	12/26/2005	32.94
306559	26098	12/19/2005	12/26/2005	34.07
306560	26100	12/19/2005	12/26/2005	32.03
306561	26102	12/19/2005	12/26/2005	34.47
306562	26107	12/19/2005	12/26/2005	34.10
306563	26110	12/19/2005	12/26/2005	31.28
306564	26112	12/19/2005	12/26/2005	33.42
306565	26113	12/19/2005	12/26/2005	35.44
306566	26114	12/19/2005	12/26/2005	35.88
306567	26116	12/19/2005	12/26/2005	32.66
306568	26117	12/19/2005	12/26/2005	35.20
306569	26120	12/19/2005	12/26/2005	34.87
306570	26124	12/19/2005	12/26/2005	37.16
306571	26127	12/19/2005	12/26/2005	31.59
306572	26128	12/19/2005	12/26/2005	32.31
306573	26131	12/19/2005	12/26/2005	31.34
306574	26134	12/19/2005	12/26/2005	34.10
306575	26135	12/20/2005	12/26/2005	32.06
306576	26136	12/20/2005	12/26/2005	35.41
306577	26137	12/20/2005	12/26/2005	35.48
306578	26138	12/20/2005	12/26/2005	34.13
306579	26139	12/20/2005	12/26/2005	34.07
306580	26140	12/20/2005	12/26/2005	36.30
306581	26142	12/20/2005	12/26/2005	29.92
306582	26144	12/20/2005	12/26/2005	33.33
306583	26145	12/20/2005	12/26/2005	30.94
306584	26146	12/20/2005	12/26/2005	33.22
306585	26147	12/20/2005	12/26/2005	34.45

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306586	26148	12/20/2005	12/26/2005	33.74
306587	26152	12/20/2005	12/26/2005	33.58
306588	26153	12/20/2005	12/26/2005	38.07
306589	26154	12/20/2005	12/26/2005	35.55
306590	26155	12/20/2005	12/26/2005	34.67
306591	26158	12/20/2005	12/26/2005	34.33
306592	26165	12/20/2005	12/26/2005	33.06
306593	26166	12/20/2005	12/26/2005	34.45
306594	26167	12/20/2005	12/26/2005	31.69
306595	26169	12/20/2005	12/26/2005	30.83
306596	26170	12/20/2005	12/26/2005	33.41
306597	26172	12/20/2005	12/26/2005	35.05
306598	26173	12/20/2005	12/26/2005	32.58
306599	26174	12/20/2005	12/26/2005	34.16
306600	26177	12/20/2005	12/26/2005	36.22
306601	26181	12/20/2005	12/26/2005	34.50
306602	26182	12/20/2005	12/26/2005	34.47
306603	26185	12/20/2005	12/26/2005	36.27
306604	26188	12/20/2005	12/26/2005	35.30
306605	26189	12/20/2005	12/26/2005	32.09
306606	26191	12/20/2005	12/26/2005	33.88
306607	26193	12/20/2005	12/26/2005	32.57
306608	26195	12/20/2005	12/26/2005	33.81
306609	26196	12/20/2005	12/26/2005	33.53
306610	26197	12/20/2005	12/26/2005	31.77
306611	26199	12/20/2005	12/26/2005	33.70
306612	26200	12/20/2005	12/26/2005	34.14
306613	26202	12/20/2005	12/26/2005	35.78
306614	26203	12/20/2005	12/26/2005	34.13
306615	26204	12/20/2005	12/26/2005	33.54
306616	26205	12/21/2005	12/26/2005	34.74
306617	26206	12/21/2005	12/26/2005	33.32
306618	26207	12/21/2005	12/26/2005	32.93
306619	26208	12/21/2005	12/26/2005	33.22
306620	26209	12/21/2005	12/26/2005	33.31
306621	26211	12/21/2005	12/26/2005	34.41
306622	26213	12/21/2005	12/26/2005	32.06
306623	26214	12/21/2005	12/26/2005	33.41
306624	26215	12/21/2005	12/26/2005	34.08
306625	26216	12/21/2005	12/26/2005	34.14
306626	26217	12/21/2005	12/26/2005	34.56
306627	26218	12/21/2005	12/26/2005	34.01
306628	26219	12/21/2005	12/26/2005	34.76
306629	26221	12/21/2005	12/26/2005	37.22
306630	26222	12/21/2005	12/26/2005	32.14
306631	26225	12/21/2005	12/26/2005	33.36
306632	26228	12/21/2005	12/26/2005	35.97
306633	26231	12/21/2005	12/26/2005	33.99
306634	26232	12/21/2005	12/26/2005	33.48
306635	26233	12/21/2005	12/26/2005	32.79
306636	26235	12/21/2005	12/26/2005	32.99
306637	26236	12/21/2005	12/26/2005	33.64
306638	26237	12/21/2005	12/26/2005	33.99
306639	26239	12/21/2005	12/26/2005	32.67
306640	26241	12/21/2005	12/26/2005	36.06

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306641	26242	12/21/2005	12/26/2005	31.40
306642	26243	12/21/2005	12/26/2005	33.58
306643	26244	12/21/2005	12/26/2005	34.14
306644	26245	12/21/2005	12/26/2005	34.95
306645	26247	12/21/2005	12/26/2005	31.89
306646	26248	12/21/2005	12/26/2005	32.94
306647	26249	12/21/2005	12/26/2005	33.37
306648	26250	12/21/2005	12/26/2005	34.49
306649	26251	12/21/2005	12/26/2005	35.02
306650	26253	12/21/2005	12/26/2005	33.29
306651	26257	12/21/2005	12/26/2005	31.76
306652	26258	12/21/2005	12/26/2005	33.57
306653	26259	12/21/2005	12/26/2005	32.57
306654	26261	12/21/2005	12/26/2005	33.89
306655	26262	12/22/2005	12/26/2005	35.14
306656	26263	12/22/2005	12/26/2005	34.71
306657	26264	12/22/2005	12/26/2005	30.77
306658	26265	12/22/2005	12/26/2005	31.07
306659	26267	12/22/2005	12/26/2005	36.21
306660	26269	12/22/2005	12/26/2005	33.19
306661	26270	12/22/2005	12/26/2005	34.10
306662	26272	12/22/2005	12/26/2005	33.71
306663	26273	12/22/2005	12/26/2005	34.11
306664	26274	12/22/2005	12/26/2005	35.06
306665	26275	12/22/2005	12/26/2005	40.33
306666	26277	12/22/2005	12/26/2005	33.68
306667	26280	12/22/2005	12/26/2005	34.54
306668	26281	12/22/2005	12/26/2005	32.02
306669	26282	12/22/2005	12/26/2005	31.55
306670	26283	12/22/2005	12/26/2005	35.52
306671	26286	12/22/2005	12/26/2005	31.82
306672	26288	12/22/2005	12/26/2005	33.86
306673	26289	12/22/2005	12/26/2005	32.54
306674	26291	12/22/2005	12/26/2005	35.32
306675	26294	12/22/2005	12/26/2005	36.32
306676	26295	12/22/2005	12/26/2005	36.82
306677	26296	12/22/2005	12/26/2005	33.77
306678	26299	12/22/2005	12/26/2005	34.16
306679	26301	12/22/2005	12/26/2005	31.85
306680	26302	12/22/2005	12/26/2005	32.44
306681	26303	12/22/2005	12/26/2005	35.83
306682	26305	12/22/2005	12/26/2005	32.40
306683	26307	12/22/2005	12/26/2005	31.32
306684	26308	12/22/2005	12/26/2005	33.24
306685	26311	12/22/2005	12/26/2005	34.27
306686	26313	12/22/2005	12/26/2005	33.60
306687	26314	12/22/2005	12/26/2005	34.13
306688	26317	12/22/2005	12/26/2005	35.38
306689	26318	12/22/2005	12/26/2005	34.41
306690	26320	12/22/2005	12/26/2005	30.57
306691	26322	12/22/2005	12/26/2005	35.83
306692	26328	12/22/2005	12/26/2005	35.49

Profile Total

Profile Loads: 322

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DATE	TICKET#	GROSS	TARE	NET	NET TONS	TRUCK #
12/27/05	2281372	107960	38440	69520	34.76	655
12/27/05	2281374	104480	41900	62580	31.29	545
12/27/05	2281378	99940	38120	61820	30.91	625
12/27/05	2281381	102240	38820	63420	31.71	515
12/27/05	2281383	99400	39620	59780	29.89	565
12/27/05	2281388	101180	39840	61340	30.67	595
12/27/05	2281392	95720	38540	57180	28.59	535
12/27/05	2281396	104560	38120	66440	33.22	51
12/27/05	2281399	97980	41740	56240	28.12	615
12/27/05	2281404	109080	40520	68560	34.28	665
12/27/05	2281414	105600	41880	63720	31.86	19
12/27/05	2281436	108020	41980	66040	33.02	545
12/27/05	2281440	99780	38380	61400	30.70	655
12/27/05	2281459	101400	38600	62800	31.40	515
12/27/05	2281467	106620	39520	67100	33.55	565
12/27/05	2281474	106560	39580	66980	33.49	595
12/27/05	2281479	100660	38580	62080	31.04	535
12/27/05	2281485	107180	38020	69160	34.58	51
12/27/05	2281494	105500	41760	63740	31.87	615
12/27/05	2281499	108980	43440	65540	32.77	625
12/27/05	2281510	102880	40380	62500	31.25	665
12/27/05	2281524	110560	41000	69560	34.78	19
12/27/05	2281536	107600	41900	65700	32.85	545
12/27/05	2281541	109040	38260	70780	35.39	656
12/27/05	2281562	115220	38420	76800	38.40	515
12/27/05	2281570	109420	39280	70140	35.07	565
12/27/05	2281588	109220	39440	69780	34.89	595
12/27/05	2281589	107540	37800	69740	34.87	51
12/27/05	2281595	101220	38900	62320	31.16	535
12/27/05	2281602	111940	41680	70260	35.13	615
12/27/05	2281608	104880	43460	61420	30.71	625
12/27/05	2281613	102620	40500	62120	31.06	656
12/27/05	2281635	110340	38000	72340	36.17	655
12/27/05	2281638	103420	41660	61760	30.88	545
12/27/05	2281650	109520	39760	69760	34.88	19
12/27/05	2281667	114100	38420	75680	37.84	515
12/27/05	2281674	114100	39540	74560	37.28	595
12/27/05	2281679	109080	37740	71340	35.67	51
12/27/05	2281685	104340	38980	65360	32.68	535
12/27/05	2281689	108320	41500	66820	33.41	615
12/27/05	2281698	110200	41580	68620	34.31	625
12/27/05	2281699	111700	39060	72640	36.32	565
12/27/05	2281701	113420	40200	73220	36.61	665
12/28/05	2281922	102160	42440	59720	29.86	545

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DATE	TICKET#	GROSS	TARE	NET	NET TONS	TRUCK #
12/28/05	2281927	100700	38900	61800	30.90	515
12/28/05	2281933	104220	40080	64140	32.07	595
12/28/05	2281934	95860	38840	57020	28.51	535
12/28/05	2281942	106460	42140	64320	32.16	625
12/28/05	2281948	106680	38140	68540	34.27	51
12/28/05	2281955	111120	41940	69180	34.59	615
12/28/05	2281958	94920	41320	53600	26.80	665
12/28/05	2281964	111900	39220	72680	36.34	19
12/28/05	2281990	104160	42300	61860	30.93	545
12/28/05	2281994	106220	38620	67600	33.80	515
12/28/05	2282002	104660	40920	63740	31.87	595
12/28/05	2282004	100520	38800	61720	30.86	535
12/28/05	2282010	105820	42240	63580	31.79	625
12/28/05	2282018	100340	38200	62140	31.07	51
12/28/05	2282022	104580	41720	62860	31.43	615
12/28/05	2282025	109340	42480	66860	33.43	665
12/28/05	2282030	106080	39340	66740	33.37	19
12/28/05	2282081	103360	42400	60960	30.48	545
12/28/05	2282093	107920	38560	69360	34.68	515
12/28/05	2282102	104720	40020	64700	32.35	595
12/28/05	2282108	99660	38540	61120	30.56	535
12/28/05	2282114	103920	41840	62080	31.04	625
12/28/05	2282124	102980	37920	65060	32.53	51
12/28/05	2282129	108040	41700	66340	33.17	615
12/28/05	2282139	111360	42820	68540	34.27	665
12/28/05	2282145	101420	39280	62140	31.07	19
12/28/05	2282185	103780	42260	61520	30.76	545
12/28/05	2282194	105860	38480	67380	33.69	515
12/28/05	2282201	107980	40080	67900	33.95	595
12/28/05	2282207	97720	38360	59360	29.68	535
12/28/05	2282213	112320	42040	70280	35.14	625
12/28/05	2282217	104240	37920	66320	33.16	51
12/28/05	2282222	107780	41600	66180	33.09	615
12/28/05	2282225	102820	40660	62160	31.08	665
12/28/05	2282235	106340	39500	66840	33.42	19
12/29/05	2282475	102760	42440	60320	30.16	545
12/29/05	2282477	104560	38800	65760	32.88	515
12/29/05	2282478	110800	40200	70600	35.30	595
12/29/05	2282481	99340	39260	60080	30.04	535
12/29/05	2282486	108500	40260	68240	34.12	625
12/29/05	2282490	105400	39680	65720	32.86	565
12/29/05	2282495	105220	38220	67000	33.50	51
12/29/05	2282500	107280	42040	65240	32.62	615
12/29/05	2282501	108680	40520	68160	34.08	665

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DATE	TICKET#	GROSS	TARE	NET	NET TONS	TRUCK #
12/29/05	2282504	106200	39700	66500	33.25	19
12/29/05	2282526	103620	42300	61320	30.66	545
12/29/05	2282529	107920	38560	69360	34.68	515
12/29/05	2282532	104320	40140	64180	32.09	595
12/29/05	2282533	98740	39220	59520	29.76	535
12/29/05	2282551	105840	40100	65740	32.87	625
12/29/05	2282557	101020	38140	62880	31.44	51
12/29/05	2282568	107100	41720	65380	32.69	615
12/29/05	2282583	112640	40500	72140	36.07	665
12/29/05	2282591	106320	38980	67340	33.67	19
12/29/05	2282598	106220	39560	66660	33.33	565
12/29/05	2282612	107400	42140	65260	32.63	545
12/29/05	2282616	101900	38480	63420	31.71	151
12/29/05	2282623	99740	40220	59520	29.76	595
12/29/05	2282626	95800	38840	56960	28.48	535
12/29/05	2282650	103340	42140	61200	30.60	625
12/29/05	2282665	104400	37920	66480	33.24	51
12/29/05	2282669	102460	41660	60800	30.40	615
12/29/05	2282690	100660	40440	60220	30.11	665
12/29/05	2282701	103980	39260	64720	32.36	19
12/29/05	2282708	99460	39480	59980	29.99	565
12/29/05	2282712	95800	41820	53980	26.99	545
12/29/05	2282715	100660	38480	62180	31.09	515
12/29/05	2282718	97300	40140	57160	28.58	595
12/29/05	2282721	94960	38940	56020	28.01	535
12/29/05	2282743	108540	42160	66380	33.19	625
12/29/05	2282761	100640	41760	58880	29.44	615
12/29/05	2282765	102580	37760	64820	32.41	51
12/29/05	2282774	105660	40320	65340	32.67	665
12/29/05	2282784	100240	38800	61440	30.72	19
12/30/05	2283033	101480	42680	58800	29.40	545
12/30/05	2283036	102800	38880	63920	31.96	515
12/30/05	2283041	102900	40540	62360	31.18	595
12/30/05	2283044	95660	39520	56140	28.07	535
12/30/05	2283052	103580	39780	63800	31.90	565
12/30/05	2283053	103740	42500	61240	30.62	625
12/30/05	2283057	106100	38280	67820	33.91	51
12/30/05	2283059	107560	40800	66760	33.38	665
12/30/05	2283061	101860	42060	59800	29.90	615
12/30/05	2283074	100400	38440	61960	30.98	19
12/30/05	2283107	103360	42300	61060	30.53	545
12/30/05	2283112	100360	38620	61740	30.87	515
12/30/05	2283116	103800	40340	63460	31.73	595
12/30/05	2283120	100000	39260	60740	30.37	535



SUMMARY OF LOADS HAULED INVOICE

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DATE	TICKET#	GROSS	TARE	NET	NET TONS	TRUCK #
12/30/05	2283142	104380	38160	66220	33.11	51
12/30/05	2283146	110080	42420	67660	33.83	625
12/30/05	2283150	102780	39740	63040	31.52	565
12/30/05	2283156	101480	41780	59700	29.85	615
12/30/05	2283166	106620	40780	65840	32.92	665
12/30/05	2283172	106360	38100	68260	34.13	19
12/30/05	2283210	99020	42480	56540	28.27	545
12/30/05	2283214	96020	38660	57360	28.68	515
12/30/05	2283222	98160	40160	58000	29.00	595
12/30/05	2283228	95300	39340	55960	27.98	535
12/30/05	2283252	103540	42400	61140	30.57	625
12/30/05	2283260	103040	38140	64900	32.45	51
12/30/05	2283263	96700	39540	57160	28.58	565
12/30/05	2283269	102900	41900	61000	30.50	615
12/30/05	2283276	103240	38020	65220	32.61	19
12/30/05	2283281	110020	40500	69520	34.76	665
12/30/05	2283300	107920	42380	65540	32.77	545
12/30/05	2283305	99400	38480	60920	30.46	515
12/30/05	2283312	102900	40280	62620	31.31	595
12/30/05	2283313	96840	39280	57560	28.78	535
12/30/05	2283359	107620	41400	66220	33.11	625
12/30/05	2283360	106440	37900	68540	34.27	51
12/30/05	2283361	101280	39580	61700	30.85	565
12/30/05	2283363	104760	41820	62940	31.47	615
12/30/05	2283364	104580	38360	66220	33.11	19

TOTAL 5,045.64 TONS

RABANCO 01/03/06 - 01/11/06

SUMMARY OF LOADS HAULED

INVOICE #3003072-A

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DATE	TICKET #	GROSS	TARE	NET	NET TONS	TRUCK #	CONTAINER #
(34) Petroleum Contaminated Soil - Seattle							
01/03/06	2284129	96,280	38,480	57,800	28.900	655	
01/03/06	2284130	108,120	42,620	65,500	32.750	545	
01/03/06	2284136	105,340	38,660	66,680	33.340	515	
01/03/06	2284139	104,180	38,120	66,060	33.030	51	
01/03/06	2284143	101,660	40,480	61,180	30.590	595	
01/03/06	2284144	101,120	39,980	61,140	30.570	565	
01/03/06	2284149	107,960	38,360	69,600	34.800	19	
01/03/06	2284152	102,520	41,880	60,640	30.320	615	
01/03/06	2284155	107,220	40,640	66,580	33.290	665	
01/03/06	2284201	105,700	38,380	67,320	33.660	655	
01/03/06	2284206	106,920	42,260	64,660	32.330	545	
01/03/06	2284213	102,320	38,560	63,760	31.880	515	
01/03/06	2284216	106,980	37,820	69,160	34.580	51	
01/03/06	2284224	111,340	39,680	71,660	35.830	565	
01/03/06	2284238	106,620	38,300	68,320	34.160	19	
01/03/06	2284246	106,980	41,820	65,160	32.580	615	
01/03/06	2284250	109,060	40,640	68,420	34.210	665	
01/03/06	2284291	103,640	42,400	61,240	30.620	545	
01/03/06	2284301	104,380	38,520	65,860	32.930	515	
01/03/06	2284306	101,560	38,000	63,560	31.780	655	
01/03/06	2284309	106,260	37,740	68,520	34.260	51	
01/03/06	2284313	104,020	39,760	64,260	32.130	565	
01/03/06	2284330	102,960	38,180	64,780	32.390	19	
01/03/06	2284336	105,220	41,680	63,540	31.770	615	
01/03/06	2284347	106,920	40,560	66,360	33.180	665	
01/03/06	2284384	104,020	41,340	62,680	31.340	545	
01/03/06	2284402	104,660	38,440	66,220	33.110	515	
01/03/06	2284408	109,720	38,200	71,520	35.760	655	
01/03/06	2284413	111,140	37,660	73,480	36.740	51	
01/03/06	2284418	108,660	39,540	69,120	34.560	565	
01/03/06	2284423	103,920	38,360	65,560	32.780	19	
01/03/06	2284428	107,680	41,560	66,120	33.060	615	
01/03/06	2284434	109,080	40,480	68,600	34.300	665	
01/04/06	2284730	100,040	41,760	58,280	29.140	545	
01/04/06	2284732	105,380	38,580	66,800	33.400	655	
01/04/06	2284737	105,720	38,020	67,700	33.850	51	
01/04/06	2284743	107,480	39,840	67,640	33.820	565	
01/04/06	2284746	95,220	39,100	56,120	28.060	535	
01/04/06	2284754	103,660	38,480	65,180	32.590	19	
01/04/06	2284762	108,120	40,660	67,460	33.730	665	
01/04/06	2284768	103,520	42,000	61,520	30.760	615	
01/04/06	2284802	104,300	41,580	62,720	31.360	545	
01/04/06	2284804	104,240	38,640	65,600	32.800	655	
01/04/06	2284812	107,260	38,020	69,240	34.620	51	
01/04/06	2284820	109,680	39,800	69,880	34.940	565	
01/04/06	2284822	96,660	39,120	57,540	28.770	535	
01/04/06	2284833	102,420	38,360	64,060	32.030	19	
01/04/06	2284836	105,020	40,640	64,380	32.190	665	
01/04/06	2284843	102,600	41,940	60,660	30.330	615	

SUMMARY OF LOADS HAULED

INVOICE #3003072-A

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DATE	TICKET #	GROSS	TARE	NET	NET TONS	TRUCK #	CONTAINER #
(34)-Petroleum Contaminated Soil-- Seattle							
01/04/06	2284895	102,220	41,600	60,620	30.310	545	
01/04/06	2284901	102,620	38,520	64,100	32.050	655	
01/04/06	2284922	99,860	37,780	62,080	31.040	51	
01/04/06	2284929	101,160	39,700	61,460	30.730	565	
01/04/06	2284940	98,600	38,500	60,100	30.050	19	
01/04/06	2284952	103,500	40,500	63,000	31.500	665	
01/04/06	2284962	99,180	41,820	57,360	28.680	615	
01/04/06	2284994	100,200	41,620	58,580	29.290	545	
01/04/06	2285005	105,220	38,600	66,620	33.310	655	
01/04/06	2285013	105,700	37,680	68,020	34.010	51	
01/05/06	2285385	98,980	41,800	57,180	28.590	545	
01/05/06	2285390	103,180	38,680	64,500	32.250	655	
01/05/06	2285391	106,760	38,060	68,700	34.350	51	
01/05/06	2285598	112,780	40,180	72,600	36.300	565	
01/05/06	2285603	107,620	39,920	67,700	33.850	595	
01/05/06	2285614	110,840	41,000	69,840	34.920	665	
01/05/06	2285620	108,080	38,060	70,020	35.010	19	
01/05/06	2285625	100,120	41,860	58,260	29.130	545	
01/05/06	2285626	114,380	38,620	75,760	37.880	655	
01/05/06	2285639	110,640	38,040	72,600	36.300	51	
01/06/06	2285902	97,780	41,200	56,580	28.290	545	
01/06/06	2285904	106,080	38,200	67,880	33.940	655	
01/06/06	2285910	109,440	39,840	69,600	34.800	565	
01/06/06	2285969	103,420	38,480	64,940	32.470	515	
01/06/06	2285972	108,620	41,520	67,100	33.550	625	
01/06/06	2285973	107,320	41,440	65,880	32.940	615	
01/06/06	2285991	103,320	39,280	64,040	32.020	645	
01/06/06	2285995	105,420	37,960	67,460	33.730	51	
01/06/06	2286002	105,300	39,920	65,380	32.690	595	
01/06/06	2286010	106,840	37,680	69,160	34.580	19	
01/06/06	2286011	106,240	41,280	64,960	32.480	545	
01/06/06	2286018	94,580	39,440	55,140	27.570	535	
01/06/06	2286023	109,060	38,340	70,720	35.360	655	
01/06/06	2286033	106,220	40,840	65,380	32.690	665	
01/06/06	2286035	103,580	41,060	62,520	31.260	635	
01/06/06	2286058	104,140	38,620	65,520	32.760	515	
01/06/06	2286066	105,700	39,760	65,940	32.970	565	
01/06/06	2286068	108,680	42,140	66,540	33.270	625	
01/06/06	2286081	106,840	41,600	65,240	32.620	615	
01/06/06	2286088	95,020	39,220	55,800	27.900	645	
01/06/06	2286093	109,280	37,980	71,300	35.650	51	
01/06/06	2286097	102,240	39,660	62,580	31.290	595	
01/06/06	2286100	103,200	37,940	65,260	32.630	19	
01/06/06	2286112	99,300	40,960	58,340	29.170	545	
01/06/06	2286123	96,920	38,220	58,700	29.350	655	
01/06/06	2286129	110,540	41,060	69,480	34.740	665	
01/06/06	2286132	102,420	41,120	61,300	30.650	635	
01/06/06	2286156	114,820	39,620	75,200	37.600	565	
01/06/06	2286170	99,060	38,460	60,600	30.300	515	

SUMMARY OF LOADS HAULED

INVOICE #3003072-A

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DATE	TICKET #	GROSS	TARE	NET	NET TONS	TRUCK #	CONTAINER #
(-34)-Petroleum Contaminated Soil--Seattle							
01/06/06	2286179	105,880	39,820	66,060	33.030	625	
01/06/06	2286188	91,300	41,780	49,520	24.760	615	
01/06/06	2286198	106,520	37,900	68,620	34.310	51	
01/06/06	2286202	96,480	40,220	56,260	28.130	595	
01/06/06	2286210	92,680	39,080	53,600	26.800	535	
01/06/06	2286214	101,000	37,820	63,180	31.590	19	
01/06/06	2286223	99,420	40,960	58,460	29.230	545	
01/06/06	2286266	100,000	38,660	61,340	30.670	645	
01/09/06	2286791	105,580	42,020	63,560	31.780	545	
01/09/06	2286800	110,600	38,160	72,440	36.220	655	
01/09/06	2286804	114,760	37,960	76,800	38.400	51	
01/09/06	2286808	111,040	41,800	69,240	34.620	625	
01/09/06	2286810	113,940	40,060	73,880	36.940	565	
01/09/06	2286824	99,620	42,280	57,340	28.670	77	
01/09/06	2286826	115,860	40,240	75,620	37.810	665	
01/09/06	2286829	110,880	38,100	72,780	36.390	19	
01/09/06	2286883	106,280	41,800	64,480	32.240	545	
01/09/06	2286888	107,260	38,020	69,240	34.620	655	
01/09/06	2286897	109,100	37,980	71,120	35.560	51	
01/09/06	2286906	107,960	41,640	66,320	33.160	625	
01/09/06	2286912	113,860	39,980	73,880	36.940	565	
01/09/06	2286921	110,000	38,160	71,840	35.920	19	
01/09/06	2286927	110,340	40,380	69,960	34.980	665	
01/09/06	2286937	107,980	42,140	65,840	32.920	77	
01/09/06	2286987	102,980	41,740	61,240	30.620	545	
01/09/06	2286993	104,640	37,700	66,940	33.470	655	
01/09/06	2287001	106,820	37,900	68,920	34.460	51	
01/09/06	2287004	103,500	41,740	61,760	30.880	625	
01/09/06	2287029	109,400	40,020	69,380	34.690	565	
01/09/06	2287035	101,980	38,380	63,600	31.800	19	
01/09/06	2287048	106,200	40,440	65,760	32.880	665	
01/09/06	2287073	97,460	41,740	55,720	27.860	77	
01/09/06	2287083	105,220	41,800	63,420	31.710	545	
01/09/06	2287102	103,940	37,840	66,100	33.050	51	
01/09/06	2287106	107,620	38,580	69,040	34.520	655	
01/09/06	2287115	117,520	41,460	76,060	38.030	625	
01/09/06	2287123	111,820	39,900	71,920	35.960	565	
01/09/06	2287125	105,980	38,260	67,720	33.860	19	
01/09/06	2287133	123,140	40,540	82,600	41.300	665	
01/10/06	2287428	107,380	38,680	68,700	34.350	515	
01/10/06	2287432	105,320	41,880	63,440	31.720	615	
01/10/06	2287438	113,100	40,280	72,820	36.410	595	
01/10/06	2287469	113,480	41,380	72,100	36.050	635	
01/10/06	2287474	115,120	41,380	73,740	36.870	665	
01/10/06	2287508	108,240	38,660	69,580	34.790	515	
01/10/06	2287510	110,660	41,660	69,000	34.500	615	
01/10/06	2287511	109,580	40,280	69,300	34.650	595	
01/10/06	2287565	112,440	40,040	72,400	36.200	665	
01/10/06	2287572	110,140	40,220	69,920	34.960	635	

SUMMARY OF LOADS HAULED

INVOICE #3003072-A

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DATE	TICKET #	GROSS	TARE	NET	NET TONS	TRUCK #	CONTAINER #
(34)-Petroleum Contaminated Soil-- Seattle							
01/10/06	2287614	110,380	38,600	71,780	35.890	515	
01/10/06	2287622	102,740	40,620	62,120	31.060	595	
01/10/06	2287624	103,900	41,360	62,540	31.270	615	
01/10/06	2287676	104,100	40,300	63,800	31.900	665	
01/10/06	2287679	101,460	40,460	61,000	30.500	635	
01/10/06	2287708	104,280	40,900	63,380	31.690	595	
01/10/06	2287718	106,660	38,600	68,060	34.030	515	
01/10/06	2287719	106,000	41,800	64,200	32.100	615	
01/11/06	2287992	98,340	41,820	56,520	28.260	545	
01/11/06	2288001	108,360	42,360	66,000	33.000	615	
01/11/06	2288002	106,300	38,760	67,540	33.770	515	
01/11/06	2288004	105,440	40,200	65,240	32.620	565	
01/11/06	2288010	104,860	41,520	63,340	31.670	595	
01/11/06	2288027	109,820	40,560	69,260	34.630	635	
01/11/06	2288053	109,260	40,380	68,880	34.440	665	
01/11/06	2288054	101,020	39,400	61,620	30.810	535	
01/11/06	2288088	106,840	41,920	64,920	32.460	545	
01/11/06	2288093	102,560	42,340	60,220	30.110	615	
01/11/06	2288101	100,420	38,680	61,740	30.870	515	
01/11/06	2288111	101,640	40,140	61,500	30.750	565	
01/11/06	2288115	95,420	41,620	53,800	26.900	595	
01/11/06	2288133	105,240	40,580	64,660	32.330	635	
01/11/06	2288151	103,700	40,240	63,460	31.730	665	
01/11/06	2288156	91,400	39,300	52,100	26.050	535	
01/11/06	2288205	102,080	41,740	60,340	30.170	545	
01/11/06	2288219	99,760	42,300	57,460	28.730	615	
01/11/06	2288258	96,580	38,600	57,980	28.990	515	
01/11/06	2288265	108,240	39,860	68,380	34.190	565	
01/11/06	2288272	103,100	41,620	61,480	30.740	595	
01/11/06	2288273	101,140	40,440	60,700	30.350	635	
01/11/06	2288282	91,440	39,040	52,400	26.200	535	
01/11/06	2288293	106,840	40,260	66,580	33.290	665	

Total: 5841.520

RABANCO 01/16/06 - 01/26/06

SUMMARY OF LOADS HAULED

INVOICE #3003082-A

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DATE	TICKET #	GROSS	TARE	NET	NET TONS	TRUCK #	CONTAINER #
(34) Petroleum Contaminated Soil - Seattle							
01/16/06	2289959	98,820	41,780	57,040	28.520	545	
01/16/06	2289967	104,220	38,740	65,480	32.740	515	
01/16/06	2289969	104,560	40,180	64,380	32.190	565	
01/16/06	2289975	103,580	41,820	61,760	30.880	625	
01/16/06	2289978	105,640	39,560	66,080	33.040	595	
01/16/06	2289987	115,220	40,400	74,820	37.410	665	
01/16/06	2289992	110,100	40,580	69,520	34.760	635	
01/16/06	2290024	108,140	41,980	66,160	33.080	545	
01/16/06	2290038	105,840	38,600	67,240	33.620	515	
01/16/06	2290044	110,660	40,140	70,520	35.260	565	
01/16/06	2290073	110,400	40,320	70,080	35.040	665	
01/16/06	2290077	101,040	40,480	60,560	30.280	635	
01/16/06	2290104	102,380	41,780	60,600	30.300	625	
01/16/06	2290109	99,640	41,780	57,860	28.930	545	
01/16/06	2290127	106,020	38,540	67,480	33.740	515	
01/16/06	2290132	104,720	40,040	64,680	32.340	565	
01/16/06	2290166	99,460	38,900	60,560	30.280	595	
01/16/06	2290177	109,380	40,460	68,920	34.460	665	
01/16/06	2290180	103,260	40,400	62,860	31.430	635	
01/16/06	2290195	110,400	41,500	68,900	34.450	625	
01/16/06	2290204	101,220	41,680	59,540	29.770	545	
01/16/06	2290210	103,920	38,400	65,520	32.760	515	
01/16/06	2290216	103,260	39,860	63,400	31.700	565	
01/16/06	2290267	105,080	39,940	65,140	32.570	595	
01/16/06	2290272	112,560	40,120	72,440	36.220	665	
01/16/06	2290279	100,600	40,320	60,280	30.140	635	
01/16/06	2290285	101,720	41,380	60,340	30.170	625	
01/16/06	2290286	98,400	41,420	56,980	28.490	545	
01/16/06	2290292	104,240	38,680	65,560	32.780	515	
01/17/06	2290563	98,960	38,720	60,240	30.120	515	
01/17/06	2290565	105,440	40,400	65,040	32.520	565	
01/17/06	2290567	100,440	41,840	58,600	29.300	545	
01/17/06	2290571	101,700	39,420	62,280	31.140	595	
01/17/06	2290576	104,960	40,700	64,260	32.130	665	
01/17/06	2290580	97,500	40,560	56,940	28.470	635	
01/17/06	2290640	106,120	38,620	67,500	33.750	515	
01/17/06	2290655	104,220	40,060	64,160	32.080	565	
01/17/06	2290670	99,220	39,300	59,920	29.960	595	
01/17/06	2290679	101,260	40,460	60,800	30.400	635	
01/17/06	2290690	109,240	40,600	68,640	34.320	665	
01/17/06	2290761	98,000	38,420	59,580	29.790	515	
01/17/06	2290771	104,360	40,000	64,360	32.180	565	
01/17/06	2290774	103,840	41,720	62,120	31.060	545	
01/17/06	2290777	102,800	39,180	63,620	31.810	595	
01/17/06	2290787	101,300	40,200	61,100	30.550	635	
01/17/06	2290798	102,240	40,260	61,980	30.990	665	
01/17/06	2290838	103,500	38,400	65,100	32.550	515	
01/17/06	2290853	104,260	40,000	64,260	32.130	565	
01/17/06	2290858	99,140	41,400	57,740	28.870	545	

SUMMARY OF LOADS HAULED

INVOICE #3003082-A

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DATE	TICKET #	GROSS	TARE	NET	NET TONS	TRUCK #	CONTAINER #
(34) Petroleum Contaminated Soil - Seattle							
01/17/06	2290862	99,060	39,240	59,820	29.910	595	
01/17/06	2290890	112,900	40,160	72,740	36.370	665	
01/17/06	2290891	108,840	40,340	68,500	34.250	635	
01/18/06	2291055	91,720	41,760	49,960	24.980	545	
01/18/06	2291172	108,960	40,200	68,760	34.380	565	
01/18/06	2291175	107,100	38,680	68,420	34.210	515	
01/18/06	2291190	106,740	40,580	66,160	33.080	635	
01/18/06	2291204	112,080	40,300	71,780	35.890	665	
01/18/06	2291242	112,900	42,060	70,840	35.420	545	
01/18/06	2291253	114,000	40,080	73,920	36.960	565	
01/18/06	2291255	109,000	38,620	70,380	35.190	515	
01/18/06	2291270	113,540	40,440	73,100	36.550	635	
01/18/06	2291297	114,260	40,120	74,140	37.070	665	
01/18/06	2291336	107,060	41,660	65,400	32.700	545	
01/18/06	2291356	100,680	40,040	60,640	30.320	565	
01/18/06	2291361	112,620	38,540	74,080	37.040	515	
01/18/06	2291379	113,120	40,480	72,640	36.320	635	
01/18/06	2291406	112,880	39,960	72,920	36.460	665	
01/18/06	2291428	107,360	41,740	65,620	32.810	545	
01/18/06	2291448	106,840	38,320	68,520	34.260	515	
01/18/06	2291452	106,980	39,220	67,760	33.880	565	
01/18/06	2291461	117,200	40,260	76,940	38.470	635	
01/18/06	2291471	115,840	39,720	76,120	38.060	665	
01/19/06	2291630	104,320	41,760	62,560	31.280	545	
01/25/06	2294348	103,980	41,560	62,420	31.210	545	
01/25/06	2294353	109,720	41,640	68,080	34.040	615	
01/25/06	2294354	105,320	38,480	66,840	33.420	515	
01/25/06	2294385	90,740	38,920	51,820	25.910	2	
01/25/06	2294410	94,560	36,480	58,080	29.040	12	
01/25/06	2294482	101,520	38,740	62,780	31.390	2	
01/25/06	2294557	108,260	41,540	66,720	33.360	615	
01/25/06	2294562	105,980	38,440	67,540	33.770	515	
01/25/06	2294603	96,320	37,460	58,860	29.430	2	
01/25/06	2294629	92,780	36,400	56,380	28.190	12	
01/25/06	2294637	105,740	40,840	64,900	32.450	545	
01/25/06	2294645	96,480	41,520	54,960	27.480	615	
01/25/06	2294647	102,740	38,260	64,480	32.240	515	
01/26/06	2294917	104,140	41,860	62,280	31.140	545	
01/26/06	2294933	107,640	41,680	65,960	32.980	615	
01/26/06	2294936	106,220	38,540	67,680	33.840	515	
01/26/06	2294940	98,400	39,560	58,840	29.420	565	
01/26/06	2294946	103,100	38,840	64,260	32.130	645	
01/26/06	2294948	95,680	38,620	57,060	28.530	655	
01/26/06	2294950	105,780	41,300	64,480	32.240	545	
01/26/06	2294952	88,940	36,680	52,260	26.130	12	
01/26/06	2294953	97,400	41,740	55,660	27.830	615	
01/26/06	2294956	105,560	38,940	66,620	33.310	515	
01/26/06	2294957	105,100	41,220	63,880	31.940	545	
01/26/06	2294959	88,260	36,440	51,820	25.910	12	

SUMMARY OF LOADS HAULED

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DATE	TICKET #	GROSS	TARE	NET	NET TONS	TRUCK #	CONTAINER #
(34) Petroleum Contaminated Soil - Seattle							
01/26/06	2294960	99,260	37,460	61,800	30.900	2	
01/26/06	2295004	103,020	41,740	61,280	30.640	545	
01/26/06	2295014	103,040	41,580	61,460	30.730	615	
01/26/06	2295021	99,960	38,320	61,640	30.820	515	
01/26/06	2295029	113,000	39,720	73,280	36.640	565	
01/26/06	2295032	101,320	38,660	62,660	31.330	645	
01/26/06	2295048	111,100	38,260	72,840	36.420	655	
01/26/06	2295054	91,520	36,520	55,000	27.500	12	
01/26/06	2295097	104,720	41,680	63,040	31.520	545	
01/26/06	2295107	102,540	41,700	60,840	30.420	615	
01/26/06	2295111	102,080	38,320	63,760	31.880	515	
01/26/06	2295121	107,840	39,420	68,420	34.210	565	
01/26/06	2295129	100,840	38,640	62,200	31.100	645	
01/26/06	2295140	105,740	38,060	67,680	33.840	655	
01/26/06	2295150	86,840	36,400	50,440	25.220	12	
01/26/06	2295174	101,320	41,380	59,940	29.970	545	
01/26/06	2295181	101,600	41,640	59,960	29.980	615	
01/26/06	2295187	104,140	38,260	65,880	32.940	515	
01/26/06	2295194	99,260	39,240	60,020	30.010	565	
01/26/06	2295203	98,680	38,500	60,180	30.090	645	
01/26/06	2295209	109,800	38,060	71,740	35.870	655	

Total: 3816.690

Activity By Job ID

Report period April 2007

Job ID: 07-1089 BNSF / Bruce Sheppard

1,935

Date	Ticket #	Rail Car/Train Address	Container	Material Code/Dese	Gross	Tare	Net	Tons	Origin/Facility	Dispatch Date
4/4/07 1:38 pm	138,636	DTTX620405	TOLU458270	34 PCS 34	90,840	48,400	42,440	21.22	Everett Incl. Snohomish County	04/03/07
4/4/07 1:42 pm	138,637	DTTX27302	GCEU445039	34 PCS 34	90,280	42,420	47,860	23.93	Everett Incl. Snohomish County	04/03/07
4/4/07 1:41 pm	138,638	DTTX620405	GCEU425111	34 PCS 34	91,360	42,340	49,020	24.51	Everett Incl. Snohomish County	04/03/07
4/4/07 1:46 pm	138,643	DTTX27302	GCEU426799	34 PCS 34	85,800	42,240	43,560	21.78	Everett Incl. Snohomish County	04/03/07
4/4/07 1:51 pm	138,647	DTTX27539	GCEU435484	34 PCS 34	89,880	42,560	47,320	23.66	Everett Incl. Snohomish County	04/02/07
4/4/07 1:48 pm	138,648	DTTX456538	TOLU468779	34 PCS 34	83,900	42,400	41,500	20.75	Everett Incl. Snohomish County	04/02/07
4/4/07 1:50 pm	138,649	DTTX27539	TRLU902562	34 PCS 34	89,380	44,280	45,100	22.55	Everett Incl. Snohomish County	04/02/07
4/4/07 5:06 pm	138,771	DTTX620674	TRLU901943	34 PCS 34	89,120	43,620	45,500	22.75	Everett Incl. Snohomish County	04/02/07
4/4/07 5:07 pm	138,772	DTTX27705	GCEU435104	34 PCS 34	95,880	47,080	48,800	24.40	Everett Incl. Snohomish County	04/02/07
4/12/07 12:03 pm	900,689	2007545	510 Trucking		44	0	44	0.02	Roosevelt Landfill	
4/14/07 4:15 pm	141,345	BNSF212242	GCEU425935	34 PCS 34	88,120	44,600	43,520	21.76	Everett Incl. Snohomish County	04/12/07
4/17/07 2:56 pm	141,920	DTTX620378	TOLU459456	34 PCS 34	85,940	44,640	41,300	20.65	Everett Incl. Snohomish County	04/16/07
4/23/07 10:38 am	900,701	2007609	510 Trucking		12	0	12	0.01	Roosevelt Landfill	
4/30/07 12:29 pm	900,713	034753	510 Trucking		5	0	5	0.00	Roosevelt Landfill	
6/12/07 12:15 pm	155,263	DTTX727742	GCEU425249	34 PCS 34	78,840	42,300	36,540	18.27	Everett Incl. Snohomish County	06/11/07
6/12/07 11:56 am	155,264	DTTX727742	TOLU467913	34 PCS 34	78,860	43,220	35,640	17.82	Everett Incl. Snohomish County	06/11/07
6/12/07 11:57 am	155,265	DTTX729608	GCEU430852	34 PCS 34	87,460	41,780	45,680	22.84	Everett Incl. Snohomish County	06/11/07
6/12/07 12:01 pm	155,267	DTTX729608	TOLU456844	34 PCS 34	88,800	43,600	45,200	22.60	Everett Incl. Snohomish County	06/11/07
6/12/07 12:03 pm	155,269	DTTX733395	GCEU431157	34 PCS 34	89,220	41,320	47,900	23.95	Everett Incl. Snohomish County	06/11/07
6/12/07 12:05 pm	155,272	DTTX733395	TOLU468875	34 PCS 34	88,220	43,480	44,740	22.37	Everett Incl. Snohomish County	06/11/07
6/12/07 12:17 pm	155,275	DTTX733395	GCEU431796	34 PCS 34	86,260	42,540	43,720	21.86	Everett Incl. Snohomish County	06/11/07
6/12/07 12:12 pm	155,276	DTTX733395	TOLU456949	34 PCS 34	96,680	47,300	49,380	24.69	Everett Incl. Snohomish County	06/11/07
6/12/07 12:21 pm	155,282	DTTX725326	TOLU460440	34 PCS 34	84,620	42,800	41,820	20.91	Everett Incl. Snohomish County	06/11/07
6/12/07 12:25 pm	155,283	DTTX725326	GCEU425056	34 PCS 34	83,260	42,700	40,560	20.28	Everett Incl. Snohomish County	06/11/07
6/12/07 3:35 pm	155,363	DTTX724026	GCEU425924	34 PCS 34	88,200	43,360	44,840	22.42	Everett Incl. Snohomish County	06/11/07
6/12/07 4:31 pm	155,390	DTTX726249	TRLU900446	34 PCS 34	85,100	42,960	42,140	21.07	Everett Incl. Snohomish County	06/11/07
6/12/07 4:30 pm	155,394	DTTX726249	TOLU457714	34 PCS 34	87,220	44,080	43,140	21.57	Everett Incl. Snohomish County	06/11/07

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6/12/07	4:31 pm	155,398	DTTX726249	TRLU900489	34	PCS 34	84,260	43,780	40,480	20.24	✓	Everett Incl. Snohomish County	06/11/07
6/12/07	4:59 pm	155,400	DTTX727742	GCEU445020	34	PCS 34	55,380	39,040	16,340	8.17	✓	Everett Incl. Snohomish County	06/11/07
6/12/07	5:31 pm	155,433	BNSF240439	GCEU426799	34	PCS 34	96,960	41,460	55,500	27.75	✓	Everett Incl. Snohomish County	06/11/07
6/12/07	5:58 pm	155,437	DTTX680079	XTRU610460	34	PCS 34	90,300	44,640	45,660	22.83	✓	Everett Incl. Snohomish County	06/11/07
6/12/07	5:29 pm	155,438	BNSF240439	GCEU430789	34	PCS 34	94,600	42,180	52,420	26.21	✓	Everett Incl. Snohomish County	06/11/07
6/12/07	5:33 pm	155,440	BNSF240439	GCEU435347	34	PCS 34	82,160	41,240	40,920	20.46	✓	Everett Incl. Snohomish County	06/11/07
6/12/07	5:51 pm	155,447	BNSF240104	TOLU467638	34	PCS 34	89,460	47,560	41,900	20.95	✓	Everett Incl. Snohomish County	06/11/07
6/12/07	5:30 pm	155,449	BNSF240104	TRLU900521	34	PCS 34	91,600	47,440	44,160	22.08	✓	Everett Incl. Snohomish County	06/11/07
6/12/07	6:05 pm	155,450	BNSF240104	TOLU465268	34	PCS 34	88,960	44,740	44,220	22.11	✓	Everett Incl. Snohomish County	06/11/07
6/12/07	6:01 pm	155,451	BNSF240439	GCEU430799	34	PCS 34	93,500	43,980	49,520	24.76	✓	Everett Incl. Snohomish County	06/11/07
6/12/07	6:08 pm	155,452	BNSF240439	GCEU420263	34	PCS 34	83,840	41,860	41,980	20.99	✓	Everett Incl. Snohomish County	06/11/07
6/12/07	6:06 pm	155,453	BNSF240439	GCEU435563	34	PCS 34	92,040	41,980	50,060	25.03	✓	Everett Incl. Snohomish County	06/11/07
6/12/07	10:07 pm	155,458	DTTX733395	GCEU431796	34	PCS 34	86,260	42,140	44,120	22.06	✓	Everett Incl. Snohomish County	06/11/07
6/13/07	11:34 am	155,609	DTTX620301	GCEU430805	34	PCS 34	104,360	42,400	61,960	30.98	✓	Everett Incl. Snohomish County	06/09/07
6/13/07	11:50 am	155,617	BNSF230114	TOLU453536	34	PCS 34	98,900	42,560	56,340	28.17	✓	Everett Incl. Snohomish County	06/09/07
6/13/07	11:54 am	155,620	BNSF230114	SCXU211869	34	PCS 34	103,340	44,780	58,560	29.28	✓	Everett Incl. Snohomish County	06/09/07
6/13/07	12:05 pm	155,629	BNSF240104	GCEU425880	34	PCS 34	88,820	42,440	46,380	23.19	✓	Everett Incl. Snohomish County	06/11/07
6/14/07	11:15 am	155,926	BNSF240439	GCEU431840	34	PCS 34	93,480	43,340	50,140	25.07	✓	Everett Incl. Snohomish County	06/11/07
6/15/07	4:11 pm	156,394	BNSF231052	TOLU422275	34	PCS 34	88,040	45,260	42,780	21.39	✓	Everett Incl. Snohomish County	06/13/07
6/15/07	4:22 pm	156,407	BNSF231052	GCEU431354	34	PCS 34	88,400	43,560	44,840	22.42	✓	Everett Incl. Snohomish County	06/13/07
6/15/07	4:49 pm	156,424	BNSF231005	GCEU425038	34	PCS 34	93,020	43,460	49,560	24.78	✓	Everett Incl. Snohomish County	06/13/07
6/15/07	4:53 pm	156,426	BNSF231005	GCEU425906	34	PCS 34	98,820	43,960	54,860	27.43	✓	Everett Incl. Snohomish County	06/13/07
6/15/07	5:38 pm	156,449	DTTX432093	GCEU431482	34	PCS 34	87,000	43,380	43,620	21.81	✓	Everett Incl. Snohomish County	06/13/07
6/15/07	5:14 pm	156,452	DTTX432093	GCEU431453	34	PCS 34	90,000	43,960	46,040	23.02	✓	Everett Incl. Snohomish County	06/13/07
6/16/07	3:24 pm	156,682	DTTX726302	GCEU430714	34	PCS 34	109,380	43,260	66,120	33.06	✓	Everett Incl. Snohomish County	06/14/07
6/16/07	3:27 pm	156,685	DTTX726302	TOLU467491	34	PCS 34	109,460	42,060	67,400	33.70	✓	Everett Incl. Snohomish County	06/14/07
6/16/07	3:28 pm	156,687	DTTX656250	RBDU201174	34	PCS 34	100,680	43,900	56,780	28.39	✓	Everett Incl. Snohomish County	06/14/07
6/16/07	3:45 pm	156,697	DTTX656250	TRLU900203	34	PCS 34	99,460	41,580	57,880	28.94	✓	Everett Incl. Snohomish County	06/14/07

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6/16/07	4:11 pm	156,708	DTTX726302	TOLU451989	34	PCS 34	100,980	44,680	56,300	28.15 ✓	Everett Incl. Snohomish County	06/14/07
6/16/07	4:14 pm	156,710	DTTX726302	TPHU252282	34	PCS 34	98,520	45,240	53,280	26.64 ✓	Everett Incl. Snohomish County	06/14/07
6/16/07	4:25 pm	156,718	DTTX726302	RBDU201016	34	PCS 34	109,420	45,080	64,340	32.17 ✓	Everett Incl. Snohomish County	06/14/07
6/16/07	4:47 pm	156,729	DTTX726302	TOLU456263	34	PCS 34	106,200	42,720	63,480	31.74 ✓	Everett Incl. Snohomish County	06/14/07
6/16/07	5:04 pm	156,736	DTTX620469	TRLU901573	34	PCS 34	101,380	43,480	57,900	28.95 ✓	Everett Incl. Snohomish County	06/14/07
6/16/07	5:04 pm	156,739	DTTX620469	GCEU426051	34	PCS 34	109,000	42,840	66,160	33.08 ✓	Everett Incl. Snohomish County	06/14/07
6/16/07	5:22 pm	156,747	DTTX620469	GCEU430758	34	PCS 34	100,860	42,240	58,620	29.31 ✓	Everett Incl. Snohomish County	06/14/07
6/16/07	5:39 pm	156,754	DTTX620469	TOLU424377	34	PCS 34	101,280	42,260	59,020	29.51 ✓	Everett Incl. Snohomish County	06/14/07
6/16/07	5:54 pm	156,767	DTTX620469	TOLU458983	34	PCS 34	104,940	42,080	62,860	31.43 ✓	Everett Incl. Snohomish County	06/14/07
6/18/07	11:21 am	900,768	2007949		510	Trucking	56	0	56	0.03	Roosevelt Landfill	06/14/07
6/18/07	8:19 am	156,778	DTTX620301	RBXU469004	34	PCS 34	101,580	46,280	55,300	27.65 ✓	Everett Incl. Snohomish County	06/15/07
6/18/07	8:21 am	156,782	DTTX727742	TOLU458828	34	PCS 34	96,880	42,640	54,240	27.12 ✓	Everett Incl. Snohomish County	06/15/07
6/18/07	8:30 am	156,785	DTTX727742	GCEU426815	34	PCS 34	97,580	43,340	54,240	27.12 ✓	Everett Incl. Snohomish County	06/15/07
6/18/07	8:40 am	156,791	DTTX727742	GCEU431835	34	PCS 34	102,460	43,560	58,900	29.45 ✓	Eversitt Incl. Snohomish County	06/15/07
6/18/07	9:02 am	156,805	DTTX727742	RBDU201272	34	PCS 34	94,060	45,100	48,960	24.48 ✓	Everett Incl. Snohomish County	06/15/07
6/18/07	9:08 am	156,809	DTTX727742	RBDU201279	34	PCS 34	96,240	44,100	52,140	26.07 ✓	Everett Incl. Snohomish County	06/15/07
6/18/07	9:13 am	156,810	DTTX729608	TOLU456017	34	PCS 34	99,180	43,240	55,940	27.97 ✓	Everett Incl. Snohomish County	06/15/07
6/18/07	9:11 am	156,812	DTTX727742	RBDU201261	34	PCS 34	97,960	46,420	51,540	25.77 ✓	Everett Incl. Snohomish County	06/15/07
6/18/07	9:15 am	156,815	DTTX729608	TOLU453317	34	PCS 34	97,240	43,540	53,700	26.85 ✓	Everett Incl. Snohomish County	06/15/07
6/18/07	9:21 am	156,819	DTTX729608	UPCU411478	34	PCS 34	98,820	41,900	56,920	28.46 ✓	Everett Incl. Snohomish County	06/15/07
6/18/07	9:28 am	156,826	DTTX729608	UPCU411432	34	PCS 34	103,320	41,860	61,460	30.73 ✓	Everett Incl. Snohomish County	06/15/07
6/18/07	10:01 am	156,840	DTTX729608	GCEU420244	34	PCS 34	99,380	44,880	54,500	27.25 ✓	Everett Incl. Snohomish County	06/15/07
6/18/07	10:04 am	156,843	DTTX729608	TOLU458663	34	PCS 34	99,220	45,560	53,660	26.83 ✓	Everett Incl. Snohomish County	06/15/07
6/18/07	10:06 am	156,846	DTTX646981	GCEU445094	34	PCS 34	97,860	43,080	54,780	27.39 ✓	Everett Incl. Snohomish County	06/15/07
6/18/07	10:09 am	156,848	DTTX646981	GCEU445039	34	PCS 34	97,280	42,640	54,640	27.32 ✓	Everett Incl. Snohomish County	06/15/07
6/18/07	10:15 am	156,856	DTTX733395	GCEU426106	34	PCS 34	101,640	43,840	57,800	28.90 ✓	Everett Incl. Snohomish County	06/15/07
6/18/07	10:21 am	156,858	DTTX733395	TOLU457207	34	PCS 34	92,880	42,500	50,380	25.19 ✓	Everett Incl. Snohomish County	06/15/07
6/18/07	10:17 am	156,860	DTTX733395	TOLU466684	34	PCS 34	104,120	42,120	62,000	31.00 ✓	Everett Incl. Snohomish County	06/15/07

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6/18/07 10:48 am 156,870 DTTX733395	TRLU900401	34	PCS 34	98,600	45,080	53,520	26.76'	Everett Incl. Snohomish County	06/15/07
6/18/07 10:57 am 156,883 DTTX733395	TOLU466834	34	PCS 34	99,720	45,000	54,720	27.36'	Everett Incl. Snohomish County	06/15/07
6/18/07 10:59 am 156,887 DTTX733395	TOLU457001	34	PCS 34	103,800	45,280	58,520	29.26'	Everett Incl. Snohomish County	06/15/07
6/18/07 11:53 am 156,919 DTTX620469	GCEU420189	34	PCS 34	105,500	44,580	60,920	30.46'	Everett Incl. Snohomish County	06/14/07
6/18/07 11:57 am 156,920 DTTX725326	TOLU424173	34	PCS 34	101,980	41,920	60,060	30.03'	Everett Incl. Snohomish County	06/14/07
6/18/07 12:00 pm 156,922 DTTX725326	TRLU901016	34	PCS 34	99,360	43,660	55,700	27.85'	Everett Incl. Snohomish County	06/14/07
6/18/07 12:03 pm 156,924 DTTX725326	TRLU901215	34	PCS 34	101,640	43,380	58,260	29.13'	Everett Incl. Snohomish County	06/14/07
6/19/07 1:19 pm 157,274 DTTX725326	TOLU468313	34	PCS 34	92,860	42,360	50,500	25.25'	Everett Incl. Snohomish County	06/14/07
6/19/07 1:26 pm 157,277 DTTX725326	TOLU422405	34	PCS 34	107,200	43,920	63,280	31.64'	Everett Incl. Snohomish County	06/14/07
6/19/07 1:40 pm 157,284 DTTX427179	TRLU901358	34	PCS 34	83,900	42,700	41,200	20.60'	Everett Incl. Snohomish County	06/16/07
6/19/07 1:49 pm 157,295 DTTX427179	GCEU431598	34	PCS 34	85,360	42,680	42,680	21.34'	Everett Incl. Snohomish County	06/16/07
6/19/07 2:30 pm 157,322 DTTX620456	GCEU426414	34	PCS 34	111,020	42,120	68,900	34.45'	Everett Incl. Snohomish County	06/18/07
6/19/07 2:34 pm 157,324 DTTX620456	TOLU466638	34	PCS 34	103,140	42,580	60,560	30.28'	Everett Incl. Snohomish County	06/18/07
6/19/07 2:37 pm 157,326 DTTX27094	RBDU201057	34	PCS 34	105,220	44,500	60,720	30.36'	Everett Incl. Snohomish County	06/18/07
6/19/07 2:35 pm 157,327 DTTX27094	GCEU431216	34	PCS 34	101,000	42,920	58,080	29.04'	Everett Incl. Snohomish County	06/18/07
6/19/07 2:43 pm 157,334 DTTX27081	UPCU411463	34	PCS 34	96,360	41,980	54,380	27.19'	Everett Incl. Snohomish County	06/18/07
6/19/07 2:56 pm 157,337 DTTX27081	GCEU435209	34	PCS 34	98,720	42,780	55,940	27.97'	Everett Incl. Snohomish County	06/18/07
6/19/07 3:27 pm 157,362 DTTX725326	EGTU420003	34	PCS 34	89,400	41,540	47,860	23.93'	Everett Incl. Snohomish County	06/14/07
6/19/07 3:42 pm 157,370 DTTX732972	GCEU435549	34	PCS 34	84,060	42,220	41,840	20.92'	Everett Incl. Snohomish County	06/11/07
6/20/07 1:44 pm 157,625 DTTX721432	TRLU900441	34	PCS 34	107,340	41,420	65,920	32.96'	Everett Incl. Snohomish County	06/18/07
6/20/07 1:47 pm 157,626 DTTX721432	GCEU431468	34	PCS 34	103,480	41,020	62,460	31.23'	Everett Incl. Snohomish County	06/18/07
6/20/07 2:05 pm 157,629 DTTX721432	GCEU431157	34	PCS 34	101,400	42,740	58,660	29.33'	Everett Incl. Snohomish County	06/18/07
6/20/07 1:59 pm 157,630 DTTX721432	GCEU435252	34	PCS 34	113,440	42,560	70,880	35.44'	Everett Incl. Snohomish County	06/18/07
6/20/07 2:04 pm 157,631 DTTX721432	GCEU431796	34	PCS 34	106,020	42,360	63,660	31.83'	Everett Incl. Snohomish County	06/18/07
6/20/07 2:02 pm 157,650 BNSF240439	TOLU457728	34	PCS 34	82,660	43,680	38,980	19.49'	Everett Incl. Snohomish County	06/18/07
6/20/07 2:25 pm 157,658 BNSF240104	GCEU435556	34	PCS 34	96,040	41,240	54,800	27.40'	Everett Incl. Snohomish County	06/18/07
6/20/07 2:39 pm 157,670 BNSF240104	TOLU422285	34	PCS 34	90,440	42,820	47,620	23.81'	Everett Incl. Snohomish County	06/18/07
6/20/07 2:41 pm 157,671 BNSF231005	GCEU425648	34	PCS 34	93,580	42,040	51,540	25.77'	Everett Incl. Snohomish County	06/18/07

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6/20/07	2:49 pm	157,679	BNSF231052	GCEU435548	34	PCS 34	84,500	44,020	40,480	20.24	✓	Everett Incl. Snohomish County	06/18/07
6/20/07	2:46 pm	157,680	BNSF231005	GCEU430852	34	PCS 34	111,980	41,180	70,800	35.40	✓	Everett Incl. Snohomish County	06/18/07
6/20/07	2:48 pm	157,685	BNSF231005	GCEU426451	34	PCS 34	94,100	41,980	52,120	26.06	✓	Everett Incl. Snohomish County	06/18/07
6/20/07	2:50 pm	157,686	BNSF231052	GCEU425383	34	PCS 34	86,620	45,220	41,400	20.70	✓	Everett Incl. Snohomish County	06/18/07
6/20/07	2:56 pm	157,689	BNSF231052	GCEU425817	34	PCS 34	90,700	44,100	46,600	23.30	✓	Everett Incl. Snohomish County	06/18/07
6/20/07	3:08 pm	157,697	BNSF231052	TOLU456939	34	PCS 34	89,720	42,300	47,420	23.71	✓	Everett Incl. Snohomish County	06/18/07
6/20/07	3:26 pm	157,707	BNSF231052	TRLU902327	34	PCS 34	86,900	42,360	44,540	22.27	✓	Everett Incl. Snohomish County	06/18/07
6/20/07	3:35 pm	157,714	DTTX729370	TOLU466610	34	PCS 34	114,540	42,500	72,040	36.02	✓	Everett Incl. Snohomish County	06/19/07
6/20/07	3:51 pm	157,728	DTTX729370	GCEU431392	34	PCS 34	103,780	41,440	62,340	31.17	✓	Everett Incl. Snohomish County	06/19/07
6/20/07	3:52 pm	157,729	DTTX729370	GCEU426044	34	PCS 34	108,120	41,840	66,280	33.14	✓	Everett Incl. Snohomish County	06/19/07
6/20/07	3:57 pm	157,730	DTTX729370	TOLU475720	34	PCS 34	106,020	41,940	64,080	32.04	✓	Everett Incl. Snohomish County	06/19/07
6/20/07	3:56 pm	157,732	DTTX729370	GCEU426859	34	PCS 34	101,520	42,220	59,300	29.65	✓	Everett Incl. Snohomish County	06/19/07
6/20/07	3:53 pm	157,733	DTTX729370	GCEU435290	34	PCS 34	90,400	43,020	47,380	23.69	✓	Everett Incl. Snohomish County	06/19/07
6/20/07	4:14 pm	157,740	DTTX724026	TOLU466899	34	PCS 34	95,360	40,680	54,680	27.34	✓	Everett Incl. Snohomish County	06/19/07
6/20/07	4:16 pm	157,741	DTTX724026	GCEU435177	34	PCS 34	104,580	40,860	63,720	31.86	✓	Everett Incl. Snohomish County	06/19/07
6/20/07	4:23 pm	157,744	DTTX724026	TOLU452789	34	PCS 34	99,720	41,100	58,620	29.31	✓	Everett Incl. Snohomish County	06/19/07
6/20/07	4:45 pm	157,765	DTTX724026	GCEU445020	34	PCS 34	95,620	42,480	53,140	26.57	✓	Everett Incl. Snohomish County	06/19/07
6/20/07	4:46 pm	157,766	DTTX724026	EGTU420050	34	PCS 34	93,740	42,380	51,360	25.68	✓	Everett Incl. Snohomish County	06/19/07
6/20/07	4:49 pm	157,767	DTTX724026	TRLU901441	34	PCS 34	101,360	41,440	59,920	29.96	✓	Everett Incl. Snohomish County	06/19/07
6/20/07	5:42 pm	157,798	BNSF240104	GCEU435248	34	PCS 34	99,200	42,680	56,520	28.26	✓	Everett Incl. Snohomish County	06/18/07
6/20/07	5:42 pm	157,799	BNSF240104	GCEU431305	34	PCS 34	86,400	41,120	45,280	22.64	✓	Everett Incl. Snohomish County	06/18/07
6/20/07	5:43 pm	157,802	BNSF240104	TOLU459751	34	PCS 34	94,680	40,860	53,820	26.91	✓	Everett Incl. Snohomish County	06/18/07
6/20/07	5:45 pm	157,805	BNSF240104	GCEU445181	34	PCS 34	99,640	41,440	58,200	29.10	✓	Everett Incl. Snohomish County	06/18/07
6/20/07	5:51 pm	157,809	BNSF240104	TOLU457282	34	PCS 34	88,380	42,760	45,620	22.81	✓	Everett Incl. Snohomish County	06/18/07
6/20/07	5:52 pm	157,812	BNSF240104	EGTU420432	34	PCS 34	88,000	41,600	46,400	23.20	✓	Everett Incl. Snohomish County	06/18/07
6/21/07	10:24 an	157,914	DTTX721432	TOLU456949	34	PCS 34	108,600	43,020	65,580	32.79	✓	Everett Incl. Snohomish County	06/18/07
6/21/07	10:50 an	157,929	BNSF240439	GCEU425181	34	PCS 34	102,320	43,080	59,240	29.62	✓	Everett Incl. Snohomish County	06/18/07
6/21/07	10:37 an	157,933	BNSF240439	UPCU411479	34	PCS 34	81,260	40,560	40,700	20.35	✓	Everett Incl. Snohomish County	06/18/07

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6/21/07 10:58 am 157,938 BNSF240439	GCEU425448	34	PCS 34	108,700	43,200	65,500	32.75 ✓	Everett Incl. Snohomish County	06/18/07
6/21/07 11:05 am 157,941 BNSF240439	TRLU900521	34	PCS 34	97,120	43,940	53,180	26.59 ✓	Everett Incl. Snohomish County	06/18/07
6/21/07 11:10 am 157,944 BNSF240439	GCEU425514	34	PCS 34	83,360	43,080	40,280	20.14 ✓	Everett Incl. Snohomish County	06/18/07
6/21/07 11:13 am 157,946 BNSF240439	TRLU902653	34	PCS 34	99,780	43,000	56,780	28.39 ✓	Everett Incl. Snohomish County	06/18/07
6/21/07 11:17 am 157,947 BNSF240104	GCEU426125	34	PCS 34	97,720	42,660	55,060	27.53 ✓	Everett Incl. Snohomish County	06/18/07
6/21/07 11:21 am 157,950 BNSF240439	TOLU456553	34	PCS 34	96,520	43,700	52,820	26.41 ✓	Everett Incl. Snohomish County	06/18/07
6/21/07 11:16 am 157,951 BNSF240439	GCEU426799	34	PCS 34	93,080	39,760	53,320	26.66 ✓	Everett Incl. Snohomish County	06/18/07
6/21/07 11:24 am 157,952 BNSF240104	TOLU459281	34	PCS 34	107,240	43,660	63,580	31.79 ✓	Everett Incl. Snohomish County	06/18/07
6/21/07 11:23 am 157,956 BNSF240439	TOLU424266	34	PCS 34	97,160	42,800	54,360	27.18 ✓	Everett Incl. Snohomish County	06/18/07
6/21/07 1:48 pm 158,006 DTTX620301	TOLU459854	34	PCS 34	103,760	44,560	59,200	29.60 ✓	Everett Incl. Snohomish County	06/09/07
6/21/07 1:56 pm 158,009 BNSF240439	GCEU425426	34	PCS 34	84,780	42,820	41,960	20.98 ✓	Everett Incl. Snohomish County	06/11/07
6/21/07 1:51 pm 158,011 BNSF240104	GCEU426142	34	PCS 34	88,300	43,340	44,960	22.48 ✓	Everett Incl. Snohomish County	06/11/07
6/21/07 2:20 pm 158,012 BNSF240439	UPCU411512	34	PCS 34	82,920	44,280	38,640	19.32 ✓	Everett Incl. Snohomish County	06/11/07
6/21/07 3:48 pm 158,077 DTTX620749	TOLU466664	34	PCS 34	105,000	41,680	63,320	31.66 ✓	Everett Incl. Snohomish County	06/19/07
6/21/07 4:00 pm 158,084 DTTX620749	GCEU432073	34	PCS 34	95,360	43,240	52,120	26.06 ✓	Everett Incl. Snohomish County	06/19/07
6/21/07 4:00 pm 158,086 DTTX620749	TOLU467913	34	PCS 34	104,100	44,440	59,660	29.83 ✓	Everett Incl. Snohomish County	06/19/07
6/21/07 3:45 pm 158,090 DTTX620749	GCEU425664	34	PCS 34	103,620	43,080	60,540	30.27 ✓	Everett Incl. Snohomish County	06/19/07
6/21/07 4:35 pm 158,102 DTTX27705	GCEU426327	34	PCS 34	103,420	44,100	59,320	29.66 ✓	Everett Incl. Snohomish County	06/19/07
6/21/07 4:41 pm 158,111 DTTX27705	TOLU422727	34	PCS 34	102,240	43,220	59,020	29.51 ✓	Everett Incl. Snohomish County	06/19/07
6/21/07 4:46 pm 158,114 DTTX27705	TOLU460440	34	PCS 34	103,440	43,160	60,280	30.14 ✓	Everett Incl. Snohomish County	06/19/07
6/21/07 4:57 pm 158,122 DTTX27705	GCEU420289	34	PCS 34	108,740	42,600	66,140	33.07 ✓	Everett Incl. Snohomish County	06/19/07
6/21/07 4:56 pm 158,126 DTTX27705	GCEU420249	34	PCS 34	103,180	43,540	59,640	29.82 ✓	Everett Incl. Snohomish County	06/19/07
6/21/07 5:02 pm 158,127 DTTX27705	TOLU468764	34	PCS 34	107,260	43,440	63,820	31.91 ✓	Everett Incl. Snohomish County	06/19/07
6/21/07 5:22 pm 158,135 DTTX427708	GCEU431449	34	PCS 34	106,440	44,700	61,740	30.87 ✓	Everett Incl. Snohomish County	06/19/07
6/21/07 5:38 pm 158,157 DTTX427708	GCEU430340	34	PCS 34	96,880	42,980	53,900	26.95 ✓	Everett Incl. Snohomish County	06/19/07
6/21/07 5:42 pm 158,158 DTTX427708	RBXU200598	34	PCS 34	100,560	43,920	56,640	28.32 ✓	Everett Incl. Snohomish County	06/19/07
6/21/07 5:49 pm 158,164 DTTX427708	GCEU425978	34	PCS 34	103,440	43,000	60,440	30.22 ✓	Everett Incl. Snohomish County	06/19/07
6/21/07 6:04 pm 158,171 DTTX27121	GCEU445165	34	PCS 34	95,960	42,140	53,820	26.91 ✓	Everett Incl. Snohomish County	06/19/07

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6/22/07 8:41 am 158,200 DTTX427708	GCEU435435	34	PCS 34	98,720	42,280	56,440	28.22	✓	Everett Incl. Snohomish County	06/19/07
6/22/07 12:19 pm 158,331 DTTX27121	TOLU467573	34	PCS 34	106,020	44,280	61,740	30.87	✓	Everett Incl. Snohomish County	06/19/07
6/22/07 12:17 pm 158,332 DTTX427708	GCEU425342	34	PCS 34	100,660	42,560	58,100	29.05	✓	Everett Incl. Snohomish County	06/19/07
6/22/07 12:30 pm 158,343 DTTX726302	TOLU456860	34	PCS 34	99,600	43,160	56,440	28.22	✓	Everett Incl. Snohomish County	06/21/07
6/22/07 1:41 pm 158,357 DTTX726302	GCEU425464	34	PCS 34	107,280	43,120	64,160	32.08	✓	Everett Incl. Snohomish County	06/21/07
6/22/07 1:46 pm 158,358 DTTX726302	GCEU425410	34	PCS 34	104,700	41,240	63,460	31.73	✓	Everett Incl. Snohomish County	06/21/07
6/22/07 1:44 pm 158,361 DTTX726302	GCEU425731	34	PCS 34	102,340	42,840	59,500	29.75	✓	Everett Incl. Snohomish County	06/21/07
6/22/07 1:43 pm 158,363 DTTX726302	GCEU425312	34	PCS 34	94,180	42,500	51,680	25.84	✓	Everett Incl. Snohomish County	06/21/07
6/22/07 1:47 pm 158,364 DTTX726302	GCEU431246	34	PCS 34	106,680	43,240	63,440	31.72	✓	Everett Incl. Snohomish County	06/21/07
6/22/07 1:48 pm 158,365 DTTX656250	TRLU901658	34	PCS 34	103,520	42,480	61,040	30.52	✓	Everett Incl. Snohomish County	06/21/07
6/22/07 1:49 pm 158,367 DTTX656250	GCEU425056	34	PCS 34	102,380	41,800	60,580	30.29	✓	Everett Incl. Snohomish County	06/21/07
6/22/07 2:10 pm 158,379 DTTX725326	GCEU432123	34	PCS 34	111,300	43,140	68,160	34.08	✓	Everett Incl. Snohomish County	06/20/07
6/22/07 2:27 pm 158,383 DTTX725326	GCEU426143	34	PCS 34	108,260	43,300	64,960	32.48	✓	Everett Incl. Snohomish County	06/20/07
6/22/07 2:42 pm 158,402 DTTX725326	GCEU425249	34	PCS 34	107,840	42,380	65,460	32.73	✓	Everett Incl. Snohomish County	06/20/07
6/23/07 1:50 pm 158,709 DTTX427179	GCEU426701	34	PCS 34	101,440	43,020	58,420	29.21	✓	Everett Incl. Snohomish County	06/21/07
6/23/07 3:58 pm 158,770 DTTX427179	TOLU468779	34	PCS 34	97,440	41,100	56,340	28.17	✓	Everett Incl. Snohomish County	06/21/07
6/23/07 4:23 pm 158,777 DTTX56420	GCEU431233	34	PCS 34	94,560	41,500	53,060	26.53	✓	Everett Incl. Snohomish County	06/21/07
6/23/07 4:20 pm 158,779 DTTX427179	GCEU425047	34	PCS 34	94,540	41,140	53,400	~~26.70~~	✓	Everett Incl. Snohomish County	06/21/07
6/23/07 4:35 pm 158,783 DTTX427179	GCEU431710	34	PCS 34	102,680	44,020	58,660	29.33	✓	Everett Incl. Snohomish County	06/21/07
6/26/07 11:23 am 159,248 DTTX430140	GCEU435480	34	PCS 34	103,820	43,400	60,420	30.21	✓	Everett Incl. Snohomish County	06/25/07
6/27/07 3:45 pm 900,772 034753		510	Trucking	31	0	31	0.02		Roosevelt Landfill	
6/27/07 3:46 pm 900,773 2008003		510	Trucking	23	0	23	0.01		Roosevelt Landfill	
6/27/07 3:56 pm 900,787 2007967		510	Trucking	92	0	92	0.05		Roosevelt Landfill	

Total For Job 07-1089

~~190~~ Loads

~~4908.16 TN~~

189

4881.33 TONS

Appendix D

Sediment Investigation Report

Sediment Investigation Report

**Harborview Park
Everett, Washington**

BNSF Railway Company

**K/J 0496017
January 2006**

Kennedy/Jenks Consultants

SEDIMENT INVESTIGATION REPORT

**HARBORVIEW PARK
EVERETT, WASHINGTON**

Prepared for

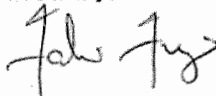
BNSF RAILWAY COMPANY

Prepared by:



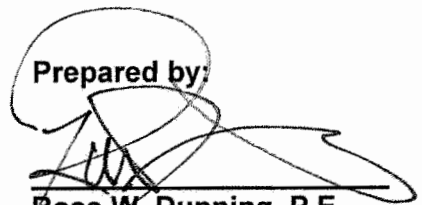
**Tom Pinit
Project Ecologist**

Prepared by:



**Taku Fuji, Ph.D.
Senior Toxicologist
Sediment Quality Specialist**

Prepared by:



**Ross W. Dunning, P.E.
Project Manager**

**KENNEDY/JENKS CONSULTANTS
ENGINEERS AND SCIENTISTS
32001 32nd Avenue South, Suite 100
Federal Way, Washington 98001
(253) 874-0555**

K/J 0496017

January 2006

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APPENDIX B	SEDIMENT SAMPLING DATA SHEETS
APPENDIX C	LABORATORY ANALYTICAL REPORT

1.0 INTRODUCTION AND BACKGROUND

Kennedy/Jenks Consultants has prepared this Sediment Investigation Report (SIR) to describe the methodologies and present the analytical chemistry results from the 17 August 2005 sampling event at the BNSF Railway Company (BNSF) former Bunker C Fuel Storage site adjacent to Harborview Park in Everett, Washington (site). Surface sediment sampling was conducted in a manner consistent with the Washington Sediment Management Standards (SMS) (Washington Administrative Code [WAC] 173-204) (Ecology 2003) and as described in the May 2005 *Sediment Sampling and Analysis Plan* (SSAP) prepared by Kennedy/Jenks Consultants (Kennedy/Jenks 2005).

1.1 SITE HISTORY AND PROJECT BACKGROUND

The site, located on a hillside adjacent to Harborview Park and Possession Sound, is a former petroleum storage/transfer station that was operated by the Great Northern Railway until the 1950s (Figure 1). Bunker C fuel oil (Bunker C) was reportedly offloaded from ships at a former pier that extended into Possession Sound. The Bunker C was stored in three 50,000-gallon aboveground storage tanks (ASTs), located on a terrace in the hillside, pending distribution to railcars along the southern track (Figure 2). A vault is present in a drainage ditch between the hillside and mainline tracks, in the vicinity of the former pier. One 10-inch-diameter iron pipe and one 16-inch-diameter concrete pipe beneath the tracks extend from the vicinity of the vault to a rock bulkhead.

In January 1996, BNSF personnel responded to a hydrocarbon sheen and oily material observed in a steel vault adjacent to a hillside and the mainline tracks. This material was pumped from the vault and the sheen dissipated within one day.

In June 1996, the Snohomish Health District collected sediment samples from the shoreline (GeoEngineers 1997). The samples were analyzed for total lead, total

petroleum hydrocarbons (TPH) as diesel and oil, semivolatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), and chlorinated pesticides. Results from the shoreline soil samples indicated the presence of TPH at concentrations up to 600 milligrams per kilogram (mg/kg) and the SVOCs pyrene and fluoranthene at concentrations of 0.06 and 0.09 mg/kg, respectively.

Results of previous soil and groundwater investigations performed in the upland portion of the site and along the shoreline are compiled in the *Site Investigation Report and Preliminary Remedial Investigation, Harborview Park, Everett, Washington* (Kennedy/Jenks 2004), previously submitted to the Washington State Department of Ecology (Ecology).

1.2 REGULATORY FRAMEWORK

Upland remediation is being conducted under Ecology's Voluntary Cleanup Program (VCP). Kennedy/Jenks Consultants prepared the May 2005 SSAP with the intent and understanding that both the Model Toxics Control Act (MTCA) Program and the Sediment Management Unit will provide oversight and review.

1.3 EXISTING SEDIMENT QUALITY DATA

No previous sediment quality investigations have been conducted at the site. According to Ecology's SEDQUAL Database, the only nearby sediment datum available is one historic (1983) sample collected 1,600 feet north of the site. Additional sediment data are available from the Mukilteo Tank Farm, located a few miles southwest of the site, and the Port Gardner Disposal Area, located approximately 2 miles north of the site.

1.4 OBJECTIVE

The objective of the sediment investigation is to evaluate surface sediment quality in Possession Sound offshore from the site. Surface sediment sampling was conducted to delineate the horizontal extent of chemical concentrations in the biologically active zone [approximately upper 10 centimeters (cm)]. Samples were collected from the area of the former pier and outfall pipes draining the ditch near the vault. Two samples were collected from locations on the shoreline sampled in 1999 to confirm previous sample results. Samples were collected from an area receiving stormwater discharge from a City of Everett outfall for comparison to samples collected within the project area.

2.0 SEDIMENT INVESTIGATION

Kennedy/Jenks Consultants conducted a surface sediment investigation at the site on 17 August 2005. Divers from Northwest Underwater Construction (NWUC) of Vancouver, Washington, provided the 25-foot Alumaweld sampling vessel for the investigation and collected sediment samples. Sediment station positioning, sediment sampling methods, sample handling and custody, decontamination procedures, laboratory chemical analyses, and field documentation were performed in a manner consistent with the Kennedy/Jenks Consultants (2005) SSAP. As described in detail in Section 3.1, one deviation from the SSAP occurred regarding laboratory analysis for porewater sulfides. Photographs of representative sediment samples and field activities are presented in Appendix A. Field log data sheets for each sediment sample are presented in Appendix B.

2.1 STATION LOCATION

NWUC personnel used a handheld global positioning system (GPS) Garmin GPS 76 with a stated accuracy of ± 3 meters to locate the 13 proposed sediment sampling stations outlined in the Kennedy/Jenks Consultants (2005) SSAP. Because of the extremely low minus tide during the field investigation, all sample stations except SS-01 through SS-03 were exposed and accessible from the surface. No deviations from sampling locations proposed in the SSAP were noted. In addition, NWUC divers used the GPS to obtain coordinates for visible pilings associated with the former pier (Photographs 1 and 2). The former pier piling coordinates are presented in Table 1 and on Figure 2. Samples SS-12 and SS-13 represent regional background levels of chemicals within the surrounding environment versus the onsite chemical concentrations.

2.2 SAMPLING METHODS AND DOCUMENTATION

Upon locating the appropriate sediment sampling station (SS-04 through SS-13), NWUC personnel used stainless steel hand trowels to collect sediment from the upper 10 cm and placed the sediment into a stainless steel bowl (Photograph 3). For sediment sampling stations SS-01 through SS-03, a NWUC diver was deployed on the appropriate coordinates. The diver descended to the mud line, noted any observations on the sound floor, and used a handheld core tube to collect the upper 10 cm of sediment from below the mud line. Both ends of the tube were capped to prevent loss of material. Upon returning to the surface, the sediment was emptied into a stainless steel bowl. For all sampling stations, sediment was thoroughly homogenized by hand using a stainless steel spoon. Samples were placed into precleaned laboratory containers, labeled, and placed into coolers with ice for transportation to Columbia Analytical Services (CAS) in Kelso, Washington. Chain-of-custody procedures were followed as stated in the SSAP. Decontamination of sampling equipment was also completed between stations as described in the SSAP.

Sample SS-08 was collected from the location of the former beach sample NR4. A petroleum odor was noted, and petroleum staining was observed on the stainless steel bowl (Photograph 4 and Appendix B). The bowl was set aside for the remainder of the sampling event and not reused.

The NWUC diver noted an approximately 20-foot-wide dredged trench running parallel to the shoreline at sample station SS-03. This location corresponds to the approximate end of the former pier.

3.0 RESULTS

All 13 surface sediment samples were analyzed for the full list of 47 SMS chemicals and five conventional parameters, as stated in the SSAP. Sediment grain size, total organic carbon (TOC), total solids, ammonia, and total sulfides are summarized in Table 2. The laboratory chemical analytical results are summarized and compared to Ecology (2003) cleanup screening levels (CSLs) in Table 3. It should be noted that chemical analyte concentrations in sediments were screened against CSLs on an individual point-by-point basis as opposed to being averaged over a cluster of three stations (Ecology 1991). The complete laboratory analytical report is included as Appendix C.

3.1 SEDIMENT PHYSICAL CHARACTERISTICS

Sediment samples collected at the site consisted predominantly of gravel and coarse sand grain sizes (Table 2). The three samples collected at the end of the former pier (SS-01 through SS-03) contained slightly more fine sediment than the other samples, with SS-03 containing the highest percentage of fines (16.4%) (Photograph 5). Because of the large grain size, little to no porewater was available from most of the samples for CAS to extract for sulfide testing. Based on these results, Kennedy/Jenks Consultants directed CAS to analyze samples SS-01 through SS-03 for total sulfides in lieu of porewater sulfides. This was the only deviation from the analytical testing outlined in the SSAP. Total organic carbon (TOC) and ammonia as nitrogen were slightly higher in SS-03 than in other samples. No other anomalies were observed in the sediment physical data.

3.2 SEDIMENT CHEMICAL ANALYTICAL RESULTS

Sediment chemical analytical results are summarized in Table 3. Chemical concentrations of polynuclear aromatic hydrocarbons (PAHs), chlorinated benzenes,

phthalate esters, and other miscellaneous extractable non-ionic compounds were normalized against TOC per the SSAP.

All detected chemical concentrations for all analytes were below applicable CSLs. The reporting limits were elevated for sample SS-08, which was collected from the location of the former beach sample NR4. The sample extract was diluted by a factor of 10 prior to analysis because of relatively high levels of non-target background components (i.e., biogenic interference). Because of the dilution in SS-08, the reporting limits for five compounds exceeded their respective CSLs despite yielding non-detect results: 1,2-dichlorobenzene; 1,2,4-trichlorobenzene; hexachlorobenzene; 2,4-dimethylphenol; and benzoic acid.

4.0 DISCUSSION

Data quality assurance methods and the conclusions of the sediment investigation are summarized below.

4.1 DATA QUALITY ASSURANCE REVIEW

Thirteen sediment samples were collected on 17 August 2005. Sediment samples were submitted to CAS for analysis of the following:

- Ammonia as Nitrogen (EPA Method 350.3M)
- Total Organic Carbon (PSEP)
- Total Solids (EPA Method 160.3M)
- Total Sulfide (EPA Method 376.2)
- Grain Size (PSEP)
- Total Metals (As, Cd, Cr, Cu, Pb, Ag, Zn - EPA Method 6020; Hg - EPA Method 7471A)
- Polychlorinated Biphenyls (EPA Method 8082)
- Semivolatile Organics (EPA Method 8270C).

The following criteria were evaluated in the data quality review process:

- Holding times
- Method blanks
- Surrogate recoveries
- Laboratory control sample and laboratory control sample duplicate (LCS) recoveries
- Matrix spike and matrix spike duplicate (MS/MSD) recoveries
- Laboratory duplicate/triplicate relative percent difference (RPD).

Ammonia. All required holding times were met. No method blank contamination was detected. MS recovery for sample SS-01 was outside control criteria because of suspected matrix interference. MSD analysis produced similar results. The results of the original analysis were reported, and no further corrective action was deemed appropriate. LCS recovery was within laboratory control limits. Laboratory duplicate RPDs were acceptable.

Total Organic Carbon. All required holding times were met. No method blank contamination was detected. MS and LCS recoveries were within laboratory control limits. Laboratory duplicate and triplicate RPDs were acceptable.

Total Solids. The required 14-day holding time was met. Laboratory duplicate RPDs were acceptable.

Total Sulfide. All required holding times were met. No method blank contamination was detected. MS and LCS recoveries were within laboratory control limits. Laboratory duplicate RPDs were acceptable.

Total Metals. All required holding times were met. Low-level method blank contamination was detected for chromium and silver and reported as an estimated concentration that is less than the method reporting limit (MRL) but greater than or equal to the method detection limit (MDL) (B). MS and LCS recoveries were within laboratory control limits. Laboratory duplicate RPDs were acceptable.

Polychlorinated Biphenyls. All required holding times were met. No method blank contamination was detected. Surrogate, LCS, and MS/MSD recoveries were within laboratory control limits.

Semivolatile Organics. All required holding times were met. Low-level method blank contamination was detected for bis(2-ethylhexyl)phthalate and reported as an estimated concentration that is less than the MRL but greater than or equal to the MDL (J). Surrogate, LCS/LCSD, and MS/MSD recoveries were within laboratory control limits. The reporting limits were elevated for sample SS-08. The results of the screening indicated the need to perform a dilution. Cleanup of the extract was performed within the scope of the method but did not eliminate sufficient background components to prevent dilution. Thus the sample extract was diluted prior to instrumental analysis due to relatively high levels of non-target background components. A semi-quantitative screen was performed prior to final analysis.

Data Quality Conclusion. Based on the data QA review, all data are deemed acceptable for their intended use.

4.2 CONCLUSION

Based on review and screening of the sediment analytical data for the site, no analytes exceeded their respective CSLs. Because no analytes exceeded their CSLs, Kennedy/Jenks Consultants request a finding of No Further Action (NFA) for the in-water portion of the BNSF former Bunker C Fuel Storage site.

5.0 REFERENCES

Geo Engineers, Inc. 1997. *Preliminary Site Assessment, Former Bunker C Fuel Oil Storage Site, Mukilteo, Washington*. 15 May 1997.

Kennedy/Jenks Consultants. 2004. *Site Investigation Report and Preliminary Remedial Evaluation, Harborview Park, Everett, Washington*. Prepared for The Burlington Northern and Santa Fe Railway Company. K/J 986171.02. 19 January 2004.

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Washington Department of Ecology. 1991. *Sediment Cleanup Standards User Manual, First Edition*. Sediment Management Unit. December 1991.

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Tables

TABLE 1

**FORMER PIER PILING COORDINATES
BNSF RAILWAY COMPANY**

Latitude	Longitude	Northing	Easting
47 57.586	122 15.115	353296.76	1292868.63
47 57.576	122 15.109	353235.52	1292892.01
47 57.568	122 15.111	353187.04	1292882.95
47 57.565	122 15.111	353168.81	1292882.61
47 57.562	122 15.110	353150.50	1292886.36
47 57.562	122 15.108	353150.35	1292894.53
47 57.560	122 15.108	353138.19	1292894.30
47 57.560	122 15.105	353137.96	1292906.55
47 57.559	122 15.109	353132.19	1292890.11
47 57.558	122 15.104	353125.73	1292910.41
47 57.557	122 15.108	353119.95	1292893.96
47 57.557	122 15.107	353119.88	1292898.05
47 57.555	122 15.106	353107.65	1292901.91
47 57.554	122 15.108	353101.72	1292893.63
47 57.552	122 15.107	353089.48	1292897.49

Notes:

Coordinates have been provided for readily observable
and accessible pilings.

Piling coordinates have been sorted from north to south.

TABLE 2
SEDIMENT PHYSICAL CHARACTERISTICS
BNSF RAILWAY COMPANY

Sample ID	Sample Date	Water Depth* (feet)	Sample Depth (cm)	Conventional Sediment Parameters				Grain Size	
				Ammonia (mg/kg)	Total Solids (%)	Total Organic Carbon (TOC)(%)	Total Sulfide (mg/kg)	Percent Sand/Gravel	Percent Fines
SS-01	8/17/2005	21	0-10	2.3	73.3	0.31	0.005 U	94.0	6.0
SS-02	8/17/2005	21	0-10	3.8	75.2	0.58	0.12	89.9	8.5
SS-03	8/17/2005	35	0-10	9.6	61.4	1.4	0.06	82.1	16.4
SS-04	8/17/2005	0	0-10	0.4	89.5	0.11	NA	97.3	4.7
SS-05	8/17/2005	0	0-10	0.3	89.3	0.44	NA	98.0	1.7
SS-06	8/17/2005	0	0-10	0.9	87.6	0.15	NA	98.2	1.3
SS-07	8/17/2005	0	0-10	0.4	85.6	0.11	NA	100.0	0.5
SS-08	8/17/2005	0	0-10	0.2	90.1	0.37	NA	100.0	0.7
SS-09	8/17/2005	0	0-10	2.2	83	0.22	NA	100.0	1.0
SS-10	8/17/2005	0	0-10	1.2	84.3	0.17	NA	96.7	1.2
SS-11	8/17/2005	0	0-10	1.1	81.7	0.16	NA	96.8	1.4
SS-12	8/17/2005	0	0-10	0.4	94.3	0.26	NA	93.3	0.8
SS-13	8/17/2005	0	0-10	0.2	85.3	0.7	NA	102.2	0.7

Notes:

* = Samples collected at low tide.

cm = centimeters.

mg/kg = milligrams per kilogram.

U = Analyte concentration was not detected at or above the method reporting limit (MRL)/method detection limit (MDL).

NA = Not available.

TABLE 3

SEDIMENT CHEMICAL ANALYTICAL RESULTS BNSF RAILWAY COMPANY

Sample ID	Sample Date	Water Depth (feet)	Sample Depth (cm)	Metals (mg/kg dry weight)								
				Arsenic		Cadmium	Chromium	Copper	Lead	Mercury	Silver	Zinc
SS-01	8/17/2005	21	0-10	3.16		0.049 J	23.9	7.84	4.81	0.017	0.035	26.0
SS-02	8/17/2005	21	0-10	2.93		0.095	24.0	9.28	5.21	0.026	0.037	27.0
SS-03	8/17/2005	35	0-10	3.99		0.176	32.2	13.6	7.46	0.060	0.060	34.2
SS-04	8/17/2005	0	0-10	1.95		0.037 J	27.8	9.01	2.14	0.016 J	0.029	26.6
SS-05	8/17/2005	0	0-10	2.21		0.037 J	28.7	9.97	3.22	0.008 U	0.017 J	27.6
SS-06	8/17/2005	0	0-10	1.77		0.034 J	15.0	7.11	3.26	0.008 U	0.020 J	22.8
SS-07	8/17/2005	0	0-10	2.56		0.043 J	22.7	8.17	3.65	0.017	0.024	26.9
SS-08	8/17/2005	0	0-10	1.64		0.057	17.1	7.07	2.54	0.008 J	0.026	22.0
SS-09	8/17/2005	0	0-10	2.16		0.036 J	19.8	7.43	2.77	0.011 J	0.025	24.4
SS-10	8/17/2005	0	0-10	2.03		0.032 J	26.9	7.19	2.79	0.008 U	0.020 J	23.9
SS-11	8/17/2005	0	0-10	2.31		0.029 J	26.3	11.4	3.16	0.009 U	0.020 J	28.5
SS-12*	8/17/2005	0	0-10	2.10		0.041 J	23.8	9.38	5.06	0.01 J	0.019 J	24.1
SS-13*	8/17/2005	0	0-10	2.40		0.05 J	22.6	10.3	4.80	0.008 U	0.017 J	30.1
Ecology CSL ^(a)				93		6.7	270	390	530	0.59	6.1	960

TABLE 3

**SEDIMENT CHEMICAL ANALYTICAL RESULTS
BNSF RAILWAY COMPANY**

Sample ID	Sample Date	Water Depth (feet)	Sample Depth (cm)	LPAH Compounds (mg/kg organic carbon)						
				Acenaphthylene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	2-Methyl-naphthalene	Total LPAH
SS-01	8/17/2005	21	0-10	0.65 U	0.45 U	0.77 U	0.58 U	0.65 U	0.55 U	0.77 U
SS-02	8/17/2005	21	0-10	0.33 U	0.24 U	0.55 J	2.9	1.7	0.28 U	5.6
SS-03	8/17/2005	35	0-10	0.16 J	0.12 U	0.20 U	1.0	0.44 J	0.14 U	1.8
SS-04	8/17/2005	0	0-10	1.5 U	1.1 U	1.7 U	2.0 J	1.5 U	1.3 U	5.5 J
SS-05	8/17/2005	0	0-10	0.36 U	0.27 U	0.45 U	0.66 J	0.36 U	0.32 U	1.5 J
SS-06	8/17/2005	0	0-10	1.1 U	0.80 U	1.3 U	1.0 U	1.1 U	0.93 U	1.3 U
SS-07	8/17/2005	0	0-10	1.5 U	1.1 U	1.8 U	1.5 U	1.5 U	1.4 U	1.8 U
SS-08	8/17/2005	0	0-10	4.3 U	46 D	5.1 U	4.1 U	12 JD	3.8 U	67 JD
SS-09	8/17/2005	0	0-10	0.77 U	0.59 U	1.0 U	0.73 U	0.77 U	0.68 U	1.0 U
SS-10	8/17/2005	0	0-10	1.0 U	0.71 U	1.2 U	0.94 U	1.0 U	0.88 U	1.2 U
SS-11	8/17/2005	0	0-10	1.1 U	0.81 U	1.3 U	1.0 U	1.1 U	0.94 U	1.1 U
SS-12*	8/17/2005	0	0-10	0.65 J	0.42 U	0.73 U	0.54 U	0.73 J	0.50 U	2.5 U
SS-13*	8/17/2005	0	0-10	0.24 U	0.17 U	0.29 U	0.23 U	0.24 U	0.21 U	0.29 U
Ecology CSL ^(a)				66	57	79	480	1,200	64	780

TABLE 3

SEDIMENT CHEMICAL ANALYTICAL RESULTS BNSF RAILWAY COMPANY

Sample ID	Sample Date	Water Depth (feet)	Sample Depth (cm)	HPAH Compounds (mg/kg organic carbon)										
				Fluoranthene	Pyrene	Benz(a)-anthracene	Chrysene	Total Benzo-fluoranthenes	Benzo(a)-pyrene	Indeno(1,2,3-c,d)-pyrene	Dibenzo(a,h)-anthracene	Benzo(g,h,i) perylene	Total HPAH	
SS-01	8/17/2005	21	0-10	1.0 U	0.58 U	0.65 U	0.65 U	1.1 U	0.71 U	0.84 U	1.0 U	1.0 U	1.1 U	
SS-02	8/17/2005	21	0-10	2.4	3.3	4.5	7.8	10.3	5.3	3.4	0.93 J	3.3	41	
SS-03	8/17/2005	35	0-10	2.1	2.1	1.3	1.7	2.5	1.4	1.1	0.26 U	1.0	13	
SS-04	8/17/2005	0	0-10	2.9 J	10.9	1.5 U	1.5 U	4.1 J	1.7 J	2.0 U	2.3 U	2.4 U	24	
SS-05	8/17/2005	0	0-10	1.4	1.4	0.89 J	1.2 J	1.9	1.1 J	0.95 J	0.57 U	1.0 J	10	
SS-06	8/17/2005	0	0-10	1.9 J	1.7 J	1.1 U	1.5 J	1.9 U	1.3 J	1.5 U	1.7 U	1.8 U	10 J	
SS-07	8/17/2005	0	0-10	2.4 U	1.5 U	1.5 U	1.5 U	2.7 U	1.7 U	2.1 U	2.4 U	2.5 U	2.7 U	
SS-08	8/17/2005	0	0-10	405 D	270 D	70 D	21 D	42 JD	18 D	5.9 U	6.8 U	7.0 U	837 JD	
SS-09	8/17/2005	0	0-10	1.2 U	0.73 U	0.77 U	0.77 U	1.4 U	0.91 U	1.0 U	1.2 U	1.3 U	1.4 U	
SS-10	8/17/2005	0	0-10	1.6 U	0.94 U	1.0 U	1.0 U	1.8 U	1.1 U	1.4 U	1.6 U	1.6 U	1.8 U	
SS-11	8/17/2005	0	0-10	2.3 J	2.6 J	1.9 J	2.1 J	3.4 J	1.8 J	1.5 U	1.7 U	1.8 U	16.5 J	
SS-12*	8/17/2005	0	0-10	2.5	1.9 J	1.1 J	2.2	4.5	1.4 J	1.6 J	0.92 U	2.3	18.1	
SS-13*	8/17/2005	0	0-10	0.37 U	0.26 J	0.24 U	0.24 U	0.43 U	0.27 U	0.33 U	0.37 U	0.39 U	1.6 J	
Ecology CSL ^(a)				1,200	1,400	270	460	450	210	88	33	78	5,300	

TABLE 3

SEDIMENT CHEMICAL ANALYTICAL RESULTS BNSF RAILWAY COMPANY

Sample ID	Sample Date	Water Depth (feet)	Sample Depth (cm)	Chlorinated Benzenes (mg/kg organic carbon)				Phthalate Esters (mg/kg organic carbon)					
				1,2-Dichloro-benzene	1,4-Dichloro-benzene	1,2,4-Trichloro-benzene	Hexachloro-benzene	Dimethyl phthalate	Diethyl phthalate	Di-n-butyl phthalate	Butyl benzyl phthalate	Bis(2-ethylhexyl)-phthalate	Di-n-octyl phthalate
SS-01	8/17/2005	21	0-10	0.58 U	0.84 U	0.68 U	0.94 U	0.81 U	1.5 U	1.2 J	0.68 U	4.2 J	0.55 U
SS-02	8/17/2005	21	0-10	0.31 U	0.45 U	0.34 U	0.48 U	0.41 U	0.81 U	0.64 J	0.34 U	1.2 J	0.28 U
SS-03	8/17/2005	35	0-10	0.16 U	0.22 U	0.18 U	0.25 U	0.21 U	0.41 U	0.31 J	0.18 U	0.57 J	0.14 U
SS-04	8/17/2005	0	0-10	1.4 U	2.0 U	1.5 U	2.2 U	1.9 U	3.6 U	2.7 U	1.5 U	3.1 J	1.3 U
SS-05	8/17/2005	0	0-10	0.34 U	0.50 U	0.39 U	0.55 U	0.48 U	0.91 U	0.68 U	0.39 U	1.7 J	0.32 U
SS-06	8/17/2005	0	0-10	1.0 U	1.5 U	1.2 U	1.6 U	1.4 U	2.7 U	3.1 J	1.2 U	73 J	0.93 U
SS-07	8/17/2005	0	0-10	1.5 U	2.1 U	1.6 U	2.3 U	2.0 U	3.7 U	3.3 J	1.6 U	7.5 J	1.4 U
SS-08	8/17/2005	0	0-10	4.1 U	5.9 U	4.6 U	6.5 U	5.4 U	11 U	7.8 U	4.6 U	5.1 U	3.8 U
SS-09	8/17/2005	0	0-10	0.73 U	1.0 U	0.86 U	1.2 U	1.0 U	2.0 U	2.0 J	0.86 U	2.6 J	0.68 U
SS-10	8/17/2005	0	0-10	0.94 U	1.4 U	1.1 U	1.5 U	1.3 U	2.5 U	1.9 J	1.1 U	2.8 J	0.88 U
SS-11	8/17/2005	0	0-10	1.0 U	1.5 U	1.2 U	1.6 U	1.4 U	2.7 U	2.1 J	1.2 U	2.9 J	0.94 U
SS-12*	8/17/2005	0	0-10	0.54 U	0.81 U	0.62 U	0.88 U	0.77 U	1.5 U	1.1 U	0.62 U	2.2 J	0.50 U
SS-13*	8/17/2005	0	0-10	0.23 U	0.33 U	0.26 U	0.36 U	0.31 U	0.60 U	0.44 U	0.26 U	1.4 J	0.21 U
Ecology CSL ^(a)				2.3	9	1.8	2.3	53	110	1,700	64	78	4,500

TABLE 3

SEDIMENT CHEMICAL ANALYTICAL RESULTS BNSF RAILWAY COMPANY

Sample ID	Sample Date	Water Depth (feet)	Sample Depth (cm)	Misc. Extractable Compounds (mg/kg organic carbon)				Ionizable Organic Compounds (µg/kg dry weight)						
				Dibenzo-furan	Hexachloro-butadiene	N-nitroso-diphenylamine	PCB Aroclors	Phenol	2-Methyl-phenol	4-Methyl-phenol	2,4-Dimethyl-phenol	Pentachloro-phenol	Benzyl alcohol	Benzoic acid
SS-01	8/17/2005	21	0-10	0.58 U	0.65 U	1.0 U	0.58 U	3.3 J	4.7 U	4.0 U	7.6 U	12 U	5.1 U	140 U
SS-02	8/17/2005	21	0-10	0.31 U	0.33 U	0.74 U	0.31 U	13 J	4.6 U	3.9 U	7.4 U	12 U	5.0 U	130 U
SS-03	8/17/2005	35	0-10	0.16 U	0.16 U	0.26 U	0.60 J	5.3 J	5.6 U	4.8 U	9.0 U	14 U	6.1 U	160 U
SS-04	8/17/2005	0	0-10	1.6 J	1.5 U	3.3 U	1.4 U	3.4 J	3.8 U	3.3 U	6.2 U	9.5 U	4.2 U	110 U
SS-05	8/17/2005	0	0-10	0.34 U	0.36 U	0.82 U	0.34 U	2.2 U	3.9 U	3.3 U	6.2 U	9.6 U	4.2 U	110 U
SS-06	8/17/2005	0	0-10	1.0 U	1.1 U	1.7 U	1.0 U	2.2 U	3.9 U	3.4 U	6.3 U	9.8 U	4.3 U	110 U
SS-07	8/17/2005	0	0-10	1.5 U	1.5 U	2.4 U	1.5 U	2.3 U	4.0 U	3.4 U	6.5 U	10 U	4.4 U	120 U
SS-08	8/17/2005	0	0-10	4.1 U	4.3 U	9.7 U	0.41 U	22 U	38 U	33 U	62 U	95 U	42 U	1,100 U
SS-09	8/17/2005	0	0-10	0.73 U	0.77 U	1.2 U	0.73 U	2.3 U	4.1 U	3.5 U	6.7 U	11 U	4.5 U	120 U
SS-10	8/17/2005	0	0-10	0.94 U	1.0 U	2.2 U	0.94 U	2.3 U	4.1 U	3.5 U	6.6 U	11 U	4.4 U	120 U
SS-11	8/17/2005	0	0-10	1.0 U	1.1 U	1.7 U	1.0 U	2.4 U	4.2 U	3.6 U	6.8 U	11 U	4.6 U	120 U
SS-12*	8/17/2005	0	0-10	0.54 U	0.58 U	0.92 U	0.54 U	2.5 U	3.7 U	3.1 U	5.9 U	9.1 U	4 U	110 U
SS-13*	8/17/2005	0	0-10	0.23 U	0.24 U	0.37 U	0.23 U	2.3 U	4.0 U	3.4 U	6.5 U	10 U	4.4 U	120 U
Ecology CSL^(a)				58	6.2	11	65	1,200	63	670	29	690	73	650

Notes:

(a) Washington State Department of Ecology Sediment Management Standards Cleanup Screening Levels (WAC 173-204-520).

mg/kg = milligrams per kilogram.

cm = centimeters.

J = Estimated concentration was less than the method reporting limit (MRL) and greater than or equal to the method detection limit (MDL).

U = Analyte concentration was not detected at or above the MRL/MDL.

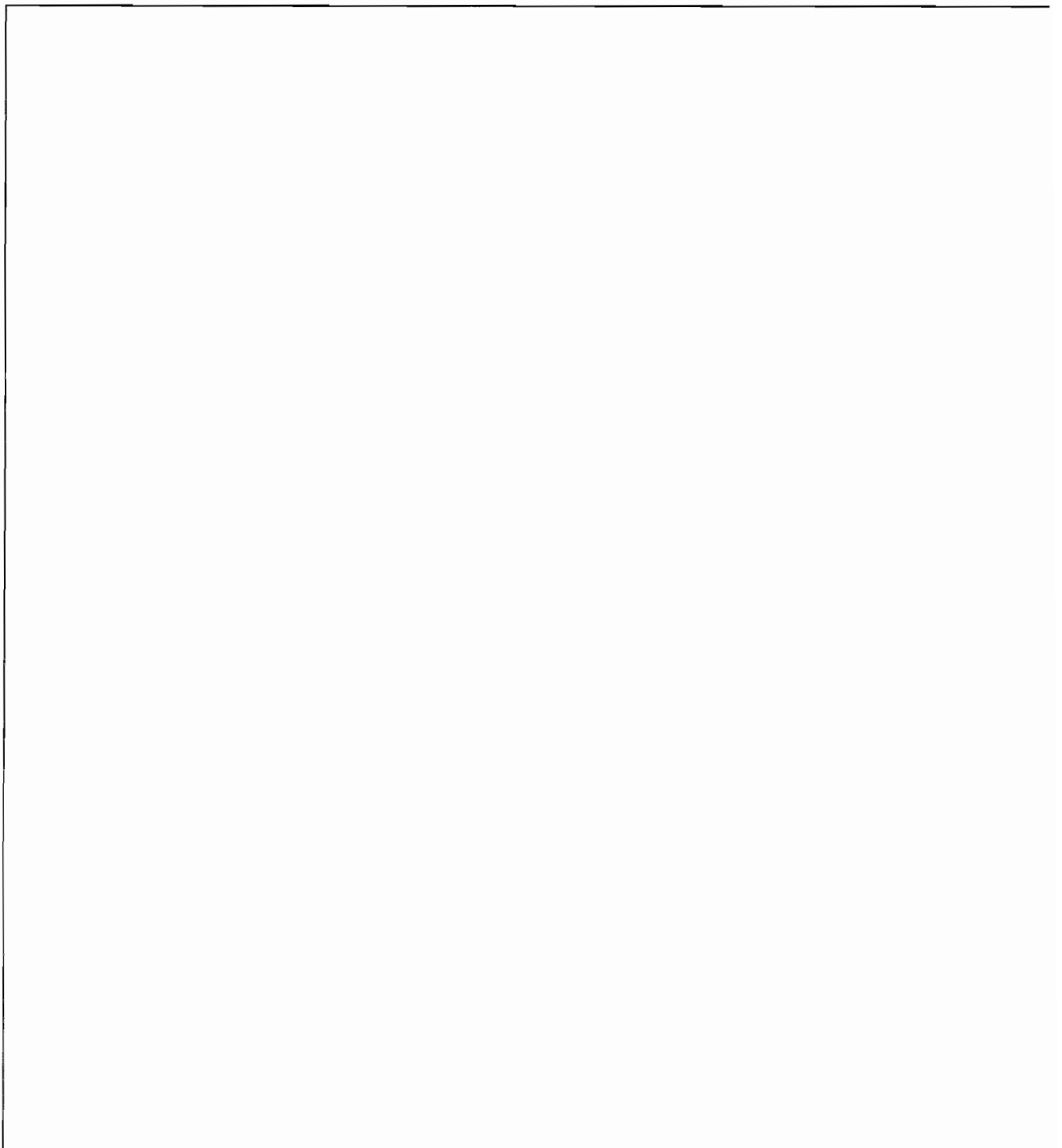
* = Comparison sample.

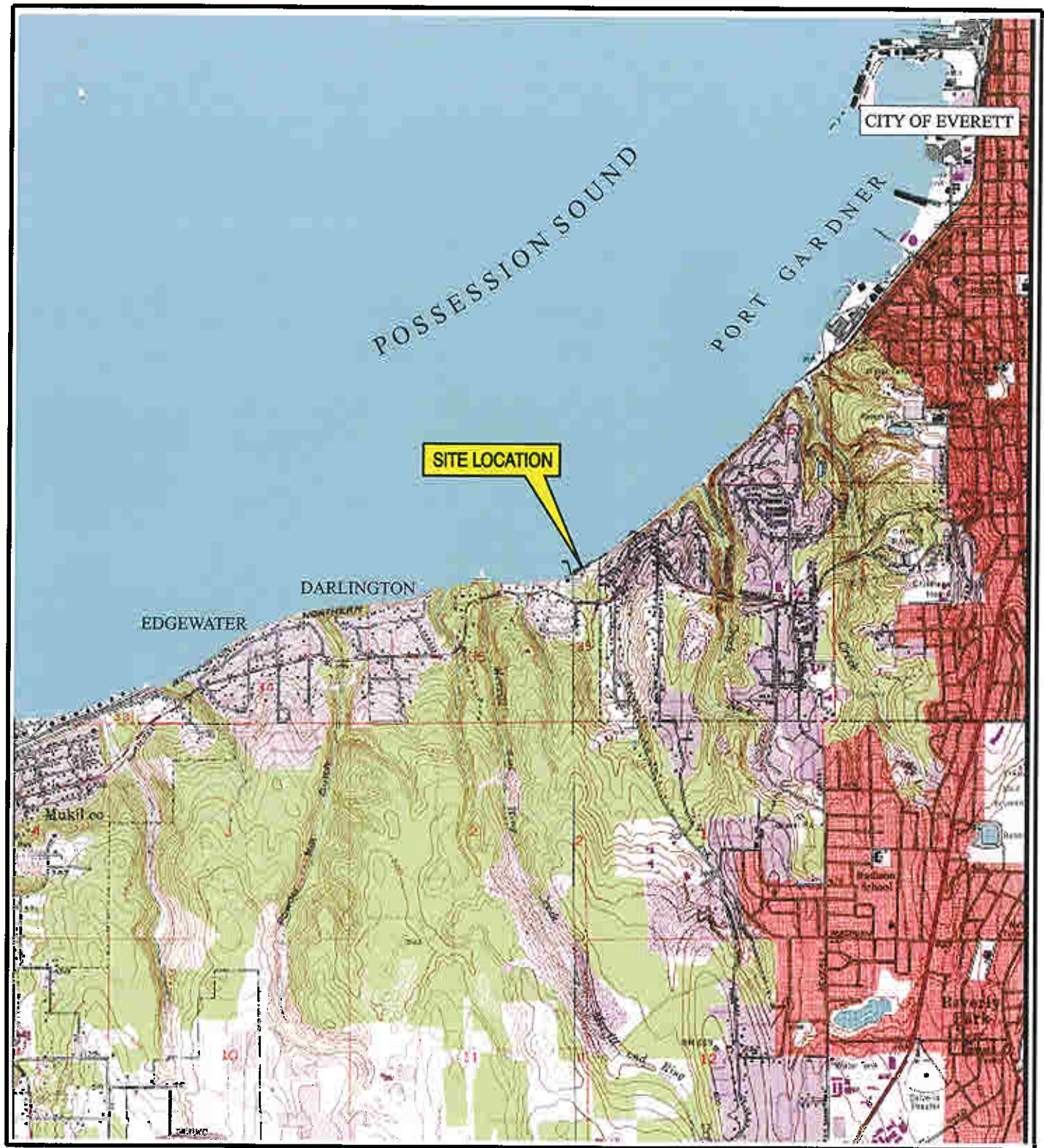
D = Analyte was diluted by a factor of 10 to obtain concentration.

CSL = cleanup screening level.

Results listed in bold represent instances where the analyte was not detected at the listed MDL though the laboratory MDL exceeds Ecology's CSL for the analyte due to necessary sample dilution.

Figures





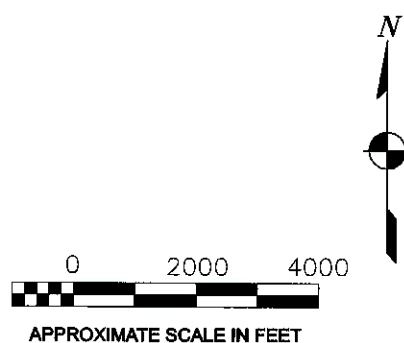
Kennedy/Jenks Consultants

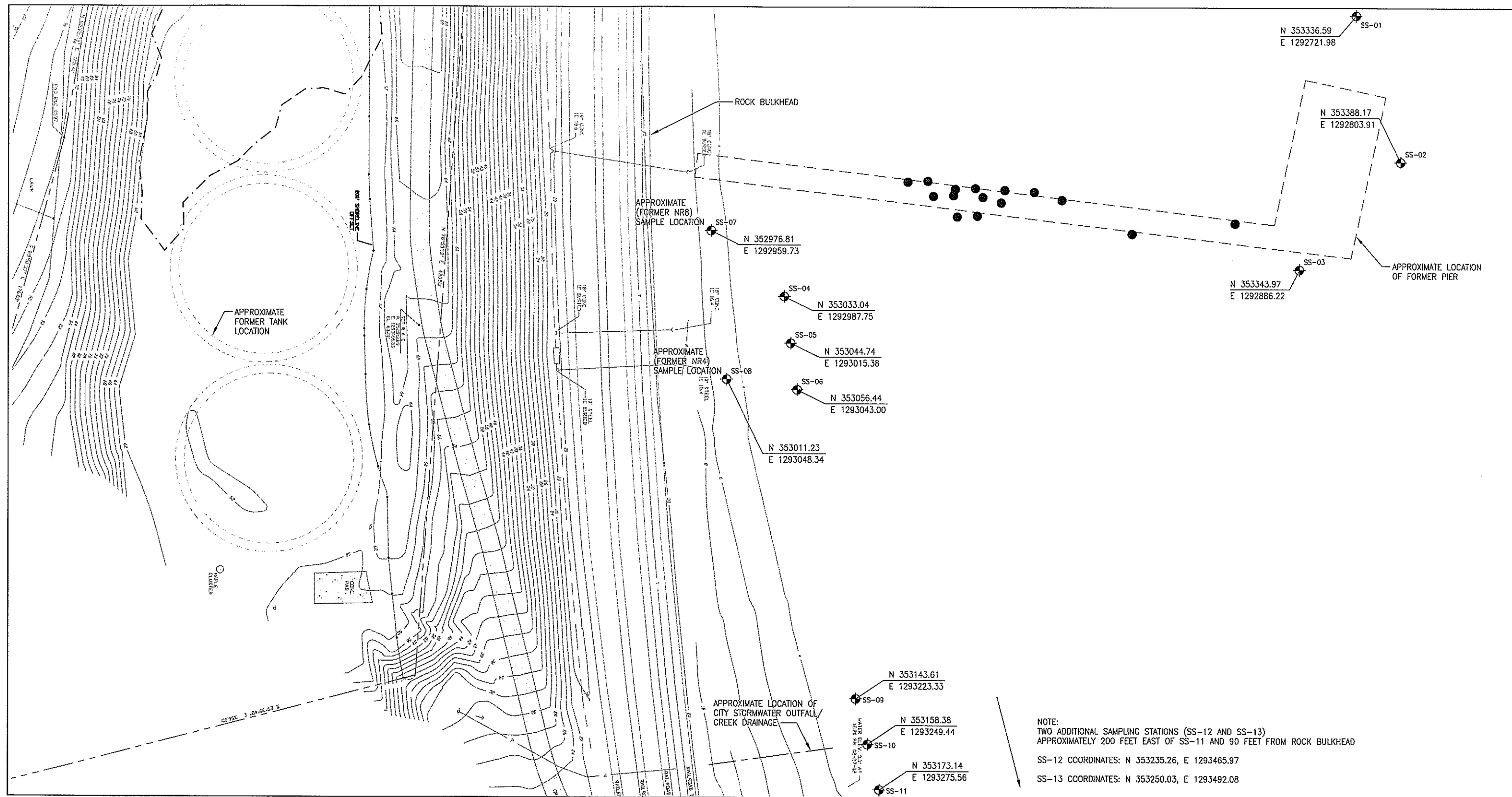
BNSF
HARBORVIEW PARK
EVERETT, WA

SITE LOCATION MAP

0496017-HARBORVIEW PARK/FIG_1.CDR

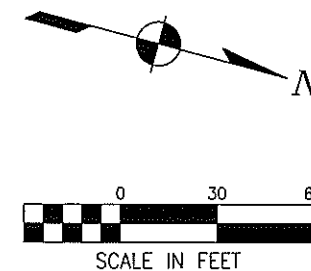
FIGURE 1





LEGEND

- ◆ SEDIMENT SAMPLING LOCATION
- FORMER PIER PILING LOCATION



Kennedy/Jenks Consultants

BNSF RAILWAY COMPANY
HARBORVIEW PARK SITE
EVERETT, WASHINGTON

SEDIMENT SAMPLING PLAN

0496017-HARBORVIEW PARK\CIVIL\FIG-2

Appendix A

Photographs

APPENDIX A



Photo #1



Photo #2

APPENDIX A



Photo #3



Photo #4

APPENDIX A



Photo #5

Appendix B

Sediment Sampling Data Sheets

SEDIMENT SAMPLING DATA SHEET

PROJECT NAME: BNSF - Harborview	K/J #: 0496017
K/J PERSONNEL: TP & FL	DATE: 8/17/05
SUBCONTRACTOR: NWVL	WEATHER: cloudy
SAMPLING METHOD: Diver Core	

SAMPLE ID: SS-1	LATITUDE: 47° 57.592'
WATER DEPTH: 24'	LONGITUDE: 122° 15.151'
TIDAL HEIGHT: 3.22' @ NOAA - Seattle	
CORRECTED DEPTH: ~ 20.8'	

[illegible]

NOTES AND ANALYSES:

SEDIMENT SAMPLING DATA SHEET

[illegible]

SEDIMENT SAMPLING DATA SHEET

PROJECT NAME: <i>BNSF-Harborview</i>		K/J #: <i>0496017</i>		
K/J PERSONNEL: <i>TP+RC</i>		DATE: <i>8/17/05</i>		
SUBCONTRACTOR: <i>NMC</i>		WEATHER: <i>Partly cloudy</i>		
SAMPLING METHOD: <i>Divercore</i>				
SAMPLE ID: <i>SS-3</i>		LATITUDE: <i>47° 57.594'</i>		
WATER DEPTH: <i>40'</i>		LONGITUDE: <i>122° 15.111'</i>		
TIDAL HEIGHT: <i>4.74' @ NOAA-Seattle</i>				
CORRECTED DEPTH: <i>~ 35.3'</i>				
RUN #	TIME	SAMPLE DEPTH	OBSERVATIONS (grain size, color, odor, sheen, organisms, shells, debris)	ACCEPT?
<i>1</i>	<i>1300</i>	<i>10</i>	<i>dark grayish silt, sheen, woody debris, no odor</i>	<i>Y</i>
NOTES AND ANALYSES: <i>Diver noted ~ 20' wide dredged trench running parallel to shore</i>				

SEDIMENT SAMPLING DATA SHEET

PROJECT NAME: <i>BNSF-Harborview</i>	K/J #: <i>0496017</i>
K/J PERSONNEL: <i>TP + RC</i>	DATE: <i>8/17/05</i>
SUBCONTRACTOR: <i>NWUC</i>	WEATHER: <i>cloudy</i>
SAMPLING METHOD: <i>Diver Core</i>	

SAMPLE ID: <i>SS-4</i>	LATITUDE: <i>47° 57.543'</i>
WATER DEPTH: <i>Beach</i>	LONGITUDE: <i>122° 15.085'</i>
TIDAL HEIGHT: <i>N/A</i>	
CORRECTED DEPTH: <i>N/A</i>	

[illegible]

NOTES AND ANALYSES:

SEDIMENT SAMPLING DATA SHEET[illegible]

SEDIMENT SAMPLING DATA SHEET

PROJECT NAME: BNSF - Hamborn	K/J #: 0496017
K/J PERSONNEL: TP & RL	DATE: 8/17/05
SUBCONTRACTOR: NWVC	WEATHER: cloudy, cool
SAMPLING METHOD: Diver Core	
SAMPLE ID: SS-6	LATITUDE: 47° 57.547'
WATER DEPTH: Beach	LONGITUDE: 122° 15.071'
TIDAL HEIGHT: N/A	
CORRECTED DEPTH: N/A	

RUN #	TIME	SAMPLE DEPTH	OBSERVATIONS	ACCEPT?
			(grain size, color, odor, sheen, organisms, shells, debris)	
1	1000	10	greyish brown sand, clams, broken glass, shells	Y

NOTES AND ANALYSES:

SEDIMENT SAMPLING DATA SHEET

PROJECT NAME: BNSF - Harborview		K/J #: 0496017
K/J PERSONNEL: TP & RC		DATE: 8/17/05
SUBCONTRACTOR: NWUC		WEATHER: cloudy, cool
SAMPLING METHOD: Diver Core		
SAMPLE ID: SS-7	LATITUDE: 47° 57.534'	
WATER DEPTH: BEACH	LONGITUDE: 122° 15.091'	
TIDAL HEIGHT: N/A		
CORRECTED DEPTH: N/A		

[illegible]

NOTES AND ANALYSES:

SEDIMENT SAMPLING DATA SHEET

[illegible]

SEDIMENT SAMPLING DATA SHEET[illegible]

SEDIMENT SAMPLING DATA SHEET

[illegible]

SEDIMENT SAMPLING DATA SHEET

PROJECT NAME: BNSF - Harborview	K/J #: 0496017
K/J PERSONNEL: TP & RC	DATE: 8/17/05
SUBCONTRACTOR: NWUC	WEATHER: cloudy
SAMPLING METHOD: Diver Core	
SAMPLE ID: SS-11	LATITUDE: 47° 57.567'
WATER DEPTH: Beach	LONGITUDE: 122° 15.015'
TIDAL HEIGHT: N/A	
CORRECTED DEPTH: N/A	

RUN #	TIME	SAMPLE DEPTH	OBSERVATIONS	ACCEPT?
			(grain size, color, odor, sheen, organisms, shells, debris)	
1	1145	10	greyish fine sand, shells, clams, no odor	y

NOTES AND ANALYSES:

SEDIMENT SAMPLING DATA SHEET

PROJECT NAME: BNSF - Harborview	K/J #: 0496017
K/J PERSONNEL: TP & RC	DATE: 8/17/05
SUBCONTRACTOR: NWUC	WEATHER: cloudy
SAMPLING METHOD: Diver Core	

SAMPLE ID: SS-12	LATITUDE: 47° 57.578'
WATER DEPTH: Beach	LONGITUDE: 122° 14.969'
TIDAL HEIGHT: N/A	
CORRECTED DEPTH: N/A	

[illegible]

NOTES AND ANALYSES:

SEDIMENT SAMPLING DATA SHEET

PROJECT NAME: BNSF-Harborview		K/J #: 0496017
K/J PERSONNEL: TP & RC		DATE: 8/17/05
SUBCONTRACTOR: NWUC		WEATHER: cloudy
SAMPLING METHOD: Diver Core		
SAMPLE ID: SS-13	LATITUDE: 47° 57.580'	
WATER DEPTH: Beach	LONGITUDE: 122° 14.962'	
TIDAL HEIGHT: N/A		
CORRECTED DEPTH: N/A		

[illegible]

NOTES AND ANALYSES:

Appendix C

Laboratory Analytical Report

September 22, 2005

Service Request No: K0503178

Taku Fuji
Kennedy/Jenks Consultants, Incorporated
200 SW Market St., Suite 500
Portland, OR 97201-5715

RE: BNSF-Harborview/0496017

Dear Taku:

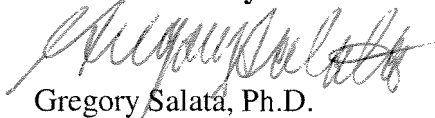
Enclosed are the results of the sample(s) submitted to our laboratory on August 18, 2005. For your reference, these analyses have been assigned our service request number K0503178.

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAC standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please call if you have any questions. My extension is 3376.

Respectfully submitted,

Columbia Analytical Services, Inc.



Gregory Salata, Ph.D.
Project Chemist

GS/jeb

Page 1 of 1278

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Inorganic Data Qualifiers

- * The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result.
- E The result is an estimate amount because the value exceeded the instrument calibration range.
- J The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
 - i The MRL/MDL has been elevated due to a matrix interference.
- X See case narrative.

Metals Data Qualifiers

- # The control limit criteria is not applicable. See case narrative.
- B The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- E The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
- M The duplicate injection precision was not met.
- N The Matrix Spike sample recovery is not within control limits. See case narrative.
- S The reported value was determined by the Method of Standard Additions (MSA).
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
- W The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
 - i The MRL/MDL has been elevated due to a matrix interference.
- X See case narrative.
- * The duplicate analysis not within control limits. See case narrative.
- + The correlation coefficient for the MSA is less than 0.995.

Organic Data Qualifiers

- * The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- A A tentatively identified compound, a suspected aldol-condensation product.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result.
- C The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
- D The reported result is from a dilution.
- E The result is an estimate amount because the value exceeded the instrument calibration range.
- J The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- N The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
- P The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results (25% for CLP Pesticides).
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
 - i The MRL/MDL has been elevated due to a chromatographic interference.
- X See case narrative.

Additional Petroleum Hydrocarbon Specific Qualifiers

- F The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
- L The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
- H The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
- O The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
- Y The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
- Z The chromatographic fingerprint does not resemble a petroleum product.

Case Narrative

COLUMBIA ANALYTICAL SERVICES, INC.

Client: Kennedy/Jenks Consultants, Inc.
Project: BNSF-Harborview/0496017
Sample Matrix: Soil

Service Request No.: K0503178
Date Received: 08/18/05

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier III validation deliverables including summary forms and all of the associated raw data for each of the analyses. When appropriate to the method, method blank results have been reported with each analytical test.

Sample Receipt

Thirteen soil samples were received for analysis at Columbia Analytical Services on 08/18/05. The samples were received in good condition and consistent with the accompanying chain of custody form. The samples were stored in a refrigerator at 4°C upon receipt at the laboratory.

General Chemistry Parameters

Ammonia as Nitrogen by EPA Method 350.3M:

The matrix spike recovery of Ammonia as Nitrogen for sample SS-01 was outside control criteria because of suspected matrix interference. A Matrix Spike Duplicate (MSD) was also analyzed, but produced similar results. The results of the original analysis are reported. No further corrective action was appropriate.

No other anomalies associated with the analysis of these samples were observed.

Total Metals

PCB Aroclors by EPA Method 8082

Continuing Calibration Verification (CCV) Exceptions:

The primary evaluation criterion was exceeded for a few analytes in CCVs 0914R037 and 0914R061. In accordance with CAS standard operating procedures, the alternative evaluation specified in the EPA method was performed using the average percent recovery of all analytes in the verification standard. The standard meets the alternative evaluation criteria.

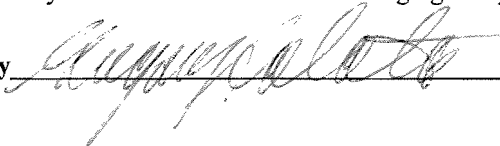
No other anomalies associated with the analysis of these samples were observed.

Semivolatile Organic Compounds by EPA Method 8270C

Initial Calibration (ICAL) Exceptions:

The primary evaluation criterion was exceeded for 2,4-Dimethylphenol, 2-Methylphenol, 4-Methylphenol, Benzidine, Bis(2-chloroisopropyl) Ether, Hexachlorocyclopentadiene, Pentachlorophenol, and Phenol in ICAL ID CAL4773. In accordance with CAS standard operating procedures, the alternative evaluation specified in the EPA method was performed using the mean Relative Standard Deviation (RSD) of all analytes in the calibration. The result of the mean RSD calculation was 8.0%. The calibration meets the alternative evaluation criteria. Note that CAS/Kelso policy does not allow the use of averaging if any analyte in the ICAL exceeds 30% RSD.

Approved by



Date

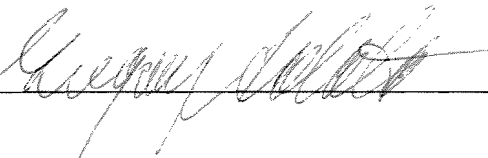
9/12/05

Elevated Method Reporting Limits:

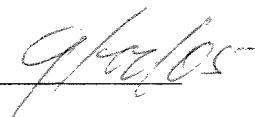
The reporting limits are elevated for sample SS-08. The sample extract was diluted prior to instrumental analysis due to relatively high levels of non-target background components. Clean-up of the extract was performed within the scope of the method, but did not eliminate enough of the background components to prevent dilution. A semi-quantitative screen was performed prior to final analysis. The results of the screening indicated the need to perform a dilution.

No other anomalies associated with the analysis of these samples were observed.

Approved by



Date



Chain of Custody Documentation



CHAIN OF CUSTODY

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

SR#: _____ OF 2 PAGE 1 OF 2 COC # _____

PROJECT INFORMATION				NUMBER OF CONTAINERS	
PROJECT NAME	BNSF - Harborview				
PROJECT NUMBER	0496017				
PROJECT MANAGER	Taku Fuji				
COMPANY/ADDRESS	Kennedy Leaks Consultants				
CITY/STATE/ZIP	200 SW Market St., Suite 500				
EMAIL ADDRESS	Portland, OR 97201				
PHONE #	takufuji@kennedyjunks.com				
SAMPLER'S SIGNATURE	503-295-9411 FAX 503-295-9401				
SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	
SS-01	8/17/05	1230		S	
SS-02	8/17/05	1245		S	
SS-03	8/17/05	1300		S	
SS-04	8/17/05	1100		S	
SS-05	8/17/05	1010		S	
SS-06	8/17/05	1000		S	
SS-07	8/17/05	950		S	
SS-08	8/17/05	1020		S	
SS-09	8/17/05	1115		S	
SS-10	8/17/05	1130		S	

REPORT REQUIREMENTS		INVOICE INFORMATION		TURNAROUND REQUIREMENTS	
I. Routine Report: Method Blank, Surrogate, as required		P.O. # 0496017 Bill To: KLU Attn: Ross Downing 3200 32nd Ave S., Ste 100 Federal Way, WA 98001		24 hr. _____ 48 hr. _____ 5 Day _____ Standard (10-15 working days) _____ Provide FAX Results _____ 9/1/05 Requested Report Date	
X II. Report Dup., MS, MSD as required					
III. Data Validation Report (includes all raw data)					
IV. CLP Deliverable Report					
X V. EDD					

RECEIVED BY:		RELINQUISHED BY:		RECEIVED BY:	
Signature	Date/Time	Signature	Date/Time	Signature	Date/Time
Printed Name	Firm	Printed Name	Firm	Printed Name	Firm
P. Leggett	8/18/05 1300	P. Leggett	8/18/05 1500		
P. THOMAS FINIT	KLU				

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

**Columbia-Analytical Services Inc.
Cooler Receipt and Preservation Form**

PC Greg

Project/Client BNSF (Harbortview) Work Order K05 03178

Cooler received on 8-18-05 and opened on 8-18-05 by BW

1. Were custody seals on outside of coolers? NP Y ☒ N
- If yes, how many and where? _____
2. Were custody seals intact? ~~Y~~ N
3. Were signature and date present on the custody seals? ~~Y~~ N
4. Is the shipper's airbill available and filed? If no, record airbill number: WALK-IN ~~Y~~ N
5. COC# _____
- Temperature of cooler(s) upon receipt: (°C) 3.0 0.1 3.4 2.9
- Temperature Blank: (°C) 3.7 1.6 4.2 1.3
- Were samples hand delivered on the same day as collection? ~~Y~~ N
6. Were custody papers properly filled out (ink, signed, etc.)? ☒ Y N
7. Type of packing material present ICE
8. Did all bottles arrive in good condition (unbroken)? ☒ Y N
9. Were all bottle labels complete (i.e analysis, preservation, etc.)? ☒ Y N
10. Did all bottle labels and tags agree with custody papers? ☒ Y N
11. Were the correct types of bottles used for the tests indicated? ☒ Y N
12. Were all of the preserved bottles received at the lab with the appropriate pH? ~~Y~~ N
13. Were VOA vials checked for absence of air bubbles, and if present, noted below? ~~Y~~ N
14. Did the bottles originate from CAS/K or a branch laboratory? ☒ Y N
15. Are CWA Microbiology samples received with >1/2 the 24hr. hold time remaining from collection? ~~Y~~ N
16. Was C12/Res negative? ~~Y~~ N

Explain any discrepancies: _____

RESOLUTION: _____

Samples that required preservation or received out of temperature:

Sample ID	Reagent	Volume	Lot Number	Bottle Type	Rec'd out of Temperature	Initials

Total Solids

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Kennedy/Jenks Consultants, Incorporated
 Project: BNSF-Harborview/0496017
 Sample Matrix: Soil

Service Request: K0503178

Total Solids

Prep Method: NONE
 Analysis Method: 160.3M
 Test Notes:

Units: PERCENT
 Basis: Wet

Sample Name	Lab Code	Date Collected	Date Received	Date Analyzed	Result	Result Notes
SS-01	K0503178-001	08/17/2005	08/18/2005	08/23/2005	73.3	
SS-02	K0503178-002	08/17/2005	08/18/2005	08/23/2005	75.2	
SS-03	K0503178-003	08/17/2005	08/18/2005	08/23/2005	61.4	
SS-04	K0503178-004	08/17/2005	08/18/2005	08/23/2005	89.5	
SS-05	K0503178-005	08/17/2005	08/18/2005	08/23/2005	89.3	
SS-06	K0503178-006	08/17/2005	08/18/2005	08/23/2005	87.6	
SS-07	K0503178-007	08/17/2005	08/18/2005	08/23/2005	85.6	
SS-08	K0503178-008	08/17/2005	08/18/2005	08/23/2005	90.1	
SS-09	K0503178-009	08/17/2005	08/18/2005	08/23/2005	83.0	
SS-10	K0503178-010	08/17/2005	08/18/2005	08/23/2005	84.3	
SS-11	K0503178-011	08/17/2005	08/18/2005	08/23/2005	81.7	
SS-12	K0503178-012	08/17/2005	08/18/2005	08/23/2005	94.3	
SS-13	K0503178-013	08/17/2005	08/18/2005	08/23/2005	85.3	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Kennedy/Jenks Consultants, Incorporated
Project: BNSF-Harborview/0496017
Sample Matrix: Soil

Service Request: K0503178
Date Collected: 08/17/2005
Date Received: 08/18/2005
Date Analyzed: 08/23/2005

Duplicate Sample Summary
Total Solids

Prep Method: NONE
Analysis Method: 160.3M
Test Notes:

Units: PERCENT
Basis: Wet

Sample Name	Lab Code	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
SS-01	K0503178-001	73.3	72.8	73.1	<1	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Kennedy/Jenks Consultants, Incorporated
Project: BNSF-Harborview/0496017
Sample Matrix: Soil

Service Request: K0503178
Date Collected: 08/17/2005
Date Received: 08/18/2005
Date Analyzed: 08/23/2005

Duplicate Sample Summary
Total Solids

Prep Method: NONE
Analysis Method: 160.3M
Test Notes:

Units: PERCENT
Basis: Wet

Sample Name	Lab Code	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
SS-10	K0503178-010	84.3	87.3	85.8	3	

General Chemistry Parameters

Analytical Report

Client : Kennedy/Jenks Consultants, Incorporated
Project Name : BNSF-Harborview
Project Number : 0496017
Sample Matrix : SOIL

Service Request : K0503178
Date Collected : 08/17/05
Date Received : 08/18/05

Ammonia as Nitrogen

Analysis Method 350.3M
Test Notes :

Units : mg/Kg (ppm)
Basis : Dry

Sample Name	Lab Code	MRL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Result	Result Notes
SS-01	K0503178-001	0.5	0.2	1	08/31/05	08/31/05	2.3	
SS-02	K0503178-002	0.5	0.2	1	08/31/05	08/31/05	3.8	
SS-03	K0503178-003	0.5	0.2	1	08/31/05	08/31/05	9.6	
SS-04	K0503178-004	0.5	0.2	1	08/31/05	08/31/05	0.4	
SS-05	K0503178-005	0.5	0.2	1	08/31/05	08/31/05	0.3	
SS-06	K0503178-006	0.5	0.2	1	08/31/05	08/31/05	0.9	
SS-07	K0503178-007	0.5	0.2	1	08/31/05	08/31/05	0.4	
SS-08	K0503178-008	0.5	0.2	1	08/31/05	08/31/05	0.2	
SS-09	K0503178-009	0.5	0.2	1	08/31/05	08/31/05	2.2	
SS-10	K0503178-010	0.5	0.2	1	08/31/05	08/31/05	1.2	
SS-11	K0503178-011	0.5	0.2	1	08/31/05	08/31/05	1.1	
SS-12	K0503178-012	0.5	0.2	1	08/31/05	08/31/05	0.4	
SS-13	K0503178-013	0.5	0.2	1	08/31/05	08/31/05	0.2	
Method Blank	K0503178-MB	0.5	0.2	1	08/31/05	08/31/05	ND	

M Modified for analysis of soil.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : Kennedy/Jenks Consultants, Incorporated
Project Name : BNSF-Harborview
Project Number : 0496017
Sample Matrix : SOIL

Service Request : K0503178
Date Collected : 08/17/05
Date Received : 08/18/05
Date Prepared : 08/31/05
Date Analyzed : 08/31/05

Duplicate Summary Inorganic Parameters

Sample Name : SS-01
Lab Code : K0503178-001DUP
Test Notes :

Units : mg/Kg (ppm)
Basis : Dry

Analyte	Analysis Method	MRL	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
Ammonia as Nitrogen	350.3M	0.5	2.3	2.5	2.4	8	

M Modified for analysis of soil.

QA/QC Report

Client : Kennedy/Jenks Consultants, Incorporated
Project Name : BNSF-Harborview
Project Number : 0496017
Sample Matrix : SOIL

Service Request : K0503178
Date Collected : 08/17/05
Date Received : 08/18/05
Date Prepared : 08/31/05
Date Analyzed : 08/31/05

Matrix Spike Summary
Inorganic Parameters

Sample Name : SS-01
Lab Code : K0503178-001MS
Test Notes :

Units : mg/Kg (ppm)
Basis : Dry

Analyte	Analysis Method	MRL	Spike Level	Sample Result	Spiked Sample Result	Percent Recovery	CAS	Result Notes
							Percent Recovery Acceptance Limits	
Ammonia as Nitrogen	350.3M	0.5	131	2.3	91.2	68	75-125	*

M Modified for analysis of soil.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : Kennedy/Jenks Consultants, Incorporated
Project Name : BNSF-Harborview
Project Number : 0496017
Sample Matrix : Water

Service Request : K0503178
Date Collected : NA
Date Received : NA
Date Prepared : 08/31/05
Date Analyzed : 08/31/05

Laboratory Control Sample Summary Inorganic Parameters

Sample Name : Laboratory Control Sample
Lab Code : K0503178-LCS
Test Notes :

Units : mg/L (ppm)
Basis : NA

Analyte	Prep Method	Analysis Method	True Value	Result	Percent Recovery	CAS	Result Notes
						Percent Recovery Acceptance Limits	
Ammonia as Nitrogen	None	350.3	1.1	1.1	100	85-115	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Kennedy/Jenks Consultants, Incorporated
Project: BNSF-Harborview/0496017
Sample Matrix: Soil

Service Request: K0503178
Date Collected: 08/17/05
Date Received: 08/18/05

Carbon, Total Organic

Prep Method: NONE
Analysis Method: PSEP
Test Notes:

Units: PERCENT
Basis: Dry

Sample Name	Lab Code	MRL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Result	Result Notes
SS-01	K0503178-001	0.05	0.02	1	09/02/05	09/12/05	0.31	
SS-02	K0503178-002	0.05	0.02	1	09/02/05	09/12/05	0.58	
SS-03	K0503178-003	0.05	0.02	1	09/02/05	09/12/05	1.40	
SS-04	K0503178-004	0.05	0.02	1	09/02/05	09/12/05	0.11	
SS-05	K0503178-005	0.05	0.02	1	09/02/05	09/12/05	0.44	
SS-06	K0503178-006	0.05	0.02	1	09/02/05	09/12/05	0.15	
SS-07	K0503178-007	0.05	0.02	1	09/02/05	09/12/05	0.11	
SS-08	K0503178-008	0.05	0.02	1	09/02/05	09/12/05	0.37	
SS-09	K0503178-009	0.05	0.02	1	09/02/05	09/12/05	0.22	
SS-10	K0503178-010	0.05	0.02	1	09/02/05	09/12/05	0.17	
SS-11	K0503178-011	0.05	0.02	1	09/02/05	09/12/05	0.16	
SS-12	K0503178-012	0.05	0.02	1	09/02/05	09/12/05	0.26	
SS-13	K0503178-013	0.05	0.02	1	09/02/05	09/12/05	0.70	
Method Blank	K0503178-MB	0.05	0.02	1	09/02/05	09/12/05	ND	

Approved By: _____

1A/020597p

Date: _____

9/19/05

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Kennedy/Jenks Consultants, Incorporated
Project: BNSF-Harborview/0496017
Sample Matrix: Soil

Service Request: K0503178
Date Collected: 08/17/05
Date Received: 08/18/05
Date Prepared: 09/02/05
Date Analyzed: 09/12/05

Duplicate Summary Inorganic Parameters

Sample Name: SS-01
Lab Code: K0503178-001DUP
Test Notes:

Units: PERCENT
Basis: Dry

Analyte	Prep Method	Analysis Method	MRL	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
Carbon, Total Organic	NONE	PSEP	0.05	0.31	0.31	0.31	< 1	

Approved By: _____

DUP/020597p

Date: _____

9/19/05

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Kennedy/Jenks Consultants, Incorporated
Project: BNSF-Harborview/0496017
Sample Matrix: Soil

Service Request: K0503178
Date Collected: 08/17/05
Date Received: 08/18/05
Date Prepared: 09/02/05
Date Analyzed: 09/12/05

Triplicate Summary
Inorganic Parameters

Sample Name: SS-01
Lab Code: K0503178-001TRP
Test Notes:

Units: PERCENT
Basis: Dry

Analyte	Prep Method	Analysis Method	MRL	Sample Result	Duplicate Sample Result	Triplicate Sample Result	Average	Relative Standard Deviation	Result Notes
Carbon, Total Organic	NONE	PSEP	0.05	0.31	0.31	0.30	0.31	2	

Approved By: _____

DUP/020597p

Date: _____

9/19/05

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Kennedy/Jenks Consultants, Incorporated
Project: BNSF-Harborview/0496017
Sample Matrix: Soil

Service Request: K0503178
Date Collected: 08/17/05
Date Received: 08/18/05
Date Prepared: 09/02/05
Date Analyzed: 09/12/05

**Matrix Spike Summary
Inorganic Parameters**

Sample Name: SS-01 **Units:** PERCENT
Lab Code: K0503178-001MS **Basis:** Dry
Test Notes:

Analyte	Prep Method	Analysis Method	MRL	Spike Level	Sample Result	Spiked Sample Result	Percent Recovery	CAS	Result Notes
								Percent Recovery Acceptance Limits	
Carbon, Total Organic	NONE	PSEP	0.05	1.89	0.31	2.31	106	75-125	

Approved By: _____ Date: 9/19/05

MS-020597p

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Kennedy/Jenks Consultants, Incorporated
Project: BNSF-Harborview/0496017
LCS Matrix: Soil

Service Request: K0503178
Date Collected: NA
Date Received: NA
Date Extracted: NA
Date Analyzed: 09/12/05

Laboratory Control Sample Summary
Inorganic Parameters

Sample Name: Lab Control Sample
Lab Code: K0503178-LCS
Test Notes:

Units: PERCENT
Basis: Dry

Analyte	Prep Method	Analysis Method	True Value	Result	Percent Recovery	CAS	Result Notes
						Percent Recovery Acceptance Limits	
Carbon, Total Organic	NONE	PSEP	0.75	0.75	100	85-115	

Approved By: _____ **Date:** 9/19/05

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Kennedy/Jenks Consultants, Incorporated
Project: BNSF-Harborview/0496017

Service Request: K0503178
Date Collected: NA
Date Received: NA
Date Analyzed: 09/12/05

Carbon, Total Organic
PSEP
Units: PERCENT

CONTINUING CALIBRATION VERIFICATION (CCV)

	True Value	Measured Value	Percent Recovery
CCV 1 Result	20.0	19.5	98
CCV 2 Result	20.0	19.6	98
CCV 3 Result	20.0	19.8	99
CCV 4 Result	20.0	19.7	99
CCV 5 Result	20.0	19.9	100
CCV 6 Result	20.0	19.9	100

CONTINUING CALIBRATION BLANK (CCB)

	MRL	Blank Value
CCB 1 Result	0.05	ND
CCB 2 Result	0.05	ND
CCB 3 Result	0.05	ND
CCB 4 Result	0.05	ND
CCB 5 Result	0.05	ND
CCB 6 Result	0.05	ND

Approved By: _____

COMBOQCD/042695

Date: _____

9/19/05

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Kennedy/Jenks Consultants, Incorporated
Project Name : BNSF-Harborview
Project Number : 0496017
Sample Matrix : Porewater

Service Request : K0503178
Date Collected : 08/17/05
Date Received : 08/18/05

Sulfide, Total

Analysis Method : 376.2
Test Notes :

Units : mg/L (ppm)
Basis : NA

Sample Name	Lab Code	MRL	MDL	Dilution Factor	Date Analyzed	Result	Result Notes
SS-01	K0503178-001	0.05	0.005	1	08/30/05	ND	
SS-02	K0503178-002	0.05	0.005	1	08/30/05	0.12	
SS-03	K0503178-003	0.05	0.005	1	08/30/05	0.06	
Method Blank	K0503178-MB	0.05	0.005	1	08/30/05	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : Kennedy/Jenks Consultants, Incorporated
Project Name : BNSF-Harborview
Project Number : 0496017
Sample Matrix : Porewater

Service Request : K0503178
Date Collected : 08/17/05
Date Received : 08/18/05
Date Prepared : NA
Date Analyzed : 08/30/05

Duplicate Summary Inorganic Parameters

Sample Name : SS-03
Lab Code : K0503178-003DUP
Test Notes :

Units : mg/L (ppm)
Basis : NA

Analyte	Analysis Method	MRL	Sample Result	Duplicate		Relative Percent Difference	Result Notes
				Sample Result	Average		
Sulfide, Total	376.2	0.05	0.06	0.06	0.06	<1	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : Kennedy/Jenks Consultants, Incorporated
Project Name : BNSF-Harborview
Project Number : 0496017
Sample Matrix : Porewater

Service Request : K0503178
Date Collected : 08/17/05
Date Received : 08/18/05
Date Prepared : NA
Date Analyzed : 08/30/05

Matrix Spike Summary Inorganic Parameters

Sample Name : SS-03
Lab Code : K0503178-003MS
Test Notes :

Units : mg/L (ppm)
Basis : NA

Analyte	Analysis Method	MRL	Spike Level	Sample Result	Spiked Sample Result	Percent Recovery	CAS	Result Notes
							Percent Recovery Acceptance Limits	
Sulfide, Total	376.2	0.05	1.77	0.06	1.57	85	75-125	

QA/QC Report

Client : Kennedy/Jenks Consultants, Incorporated
Project Name : BNSF-Harborview
Project Number : 0496017
Sample Matrix : Water

Service Request : K0503178
Date Collected : NA
Date Received : NA
Date Prepared : NA
Date Analyzed : 08/30/05

Laboratory Control Sample Summary
 Inorganic Parameters

Sample Name : Laboratory Control Sample
Lab Code : K0503178-LCS
Test Notes :

Units : mg/L (ppm)
Basis : NA

Analyte	Prep Method	Analysis Method	True Value	Result	Percent Recovery	CAS	Result Notes
						Percent Recovery Acceptance Limits	
Sulfide, Total	None	376.2	1.77	1.64	93	85-115	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : Kennedy/Jenks Consultants, Incorporated
Project : BNSF-Harborview

Service Request : K0503178
Date Collected : NA
Date Received : NA

Sulfide, Total
EPA Method 376.2
Units: mg/L (ppm)

CONTINUING CALIBRATION VERIFICATION (CCV)

	Date Analyzed	True Value	Measured Value	Percent Recovery
CCV1 Result	08/30/05	1.77	1.77	100
CCV2 Result	08/30/05	1.77	1.77	100

CONTINUING CALIBRATION BLANK (CCB)

	Date Analyzed	MRL	Blank Value
CCB1 Result	08/30/05	0.05	ND
CCB2 Result	08/30/05	0.05	ND

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Kennedy/Jenks Consultants, Incorporated
Project: BNSF-Harborview/0496017
Sample Matrix: Soil

Service Request: K0503178
Date Collected: 08/17/05
Date Received: 08/18/05
Date Analyzed: 09/08/05

Particle Size Determination Puget Sound Estuary Program Protocol

Sample Name: SS-01
Lab Code: K0503178-001

Sand Fraction: Dry Weight (Grams) 69.6466
 Sand Fraction: Weight Recovered (Grams) 69.4693
 Sand Fraction: Percent Recovery 99.7

Description	Phi Size	Dry Weight (Grams)	Percent of Total Weight Recovered
Gravel	<-1 Ø	0.0503	0.07
Very Coarse Sand	-1 to 0 Ø	0.0606	0.08
Coarse Sand	0 to 1 Ø	0.1654	0.23
Medium Sand	1 to 2 Ø	9.1888	12.6
Fine Sand	2 to 3 Ø	44.7011	61.4
Very Fine Sand	3 to 4 Ø	14.2999	19.6
62.5 µm	4 to 5 Ø	1.5300	2.10
31.3 µm	5 to 6 Ø	0.2400	0.33
15.6 µm	6 to 7 Ø	0.4900	0.67
7.8 µm	7 to 8 Ø	0.3950	0.54
3.9 µm	8 to 9 Ø	0.3900	0.54
1.95 µm	9 to 10 Ø	0.3750	0.52
0.98 µm	> 10 Ø	0.9500	1.30
		72.8361	100

Approved By: _____

Date: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Kennedy/Jenks Consultants, Incorporated
 Project: BNSF-Harborview/0496017
 Sample Matrix: Soil

Service Request: K0503178
 Date Collected: 08/17/05
 Date Received: 08/18/05
 Date Analyzed: 09/08/05

Particle Size Determination
 Puget Sound Estuary Program Protocol

Sample Name: SS-02
 Lab Code: K0503178-002

Sand Fraction: Dry Weight (Grams) 67.6937
 Sand Fraction: Weight Recovered (Grams) 67.7886
 Sand Fraction: Percent Recovery 100

Description	Phi Size	Dry Weight (Grams)	Percent of Total Weight Recovered
Gravel	<-1 Ø	0.1658	0.23
Very Coarse Sand	-1 to 0 Ø	0.2510	0.34
Coarse Sand	0 to 1 Ø	0.7911	1.08
Medium Sand	1 to 2 Ø	7.2888	9.97
Fine Sand	2 to 3 Ø	38.8511	53.1
Very Fine Sand	3 to 4 Ø	18.4539	25.2
62.5 µm	4 to 5 Ø	2.6200	3.58
31.3 µm	5 to 6 Ø	0.7600	1.04
15.6 µm	6 to 7 Ø	0.4700	0.64
7.8 µm	7 to 8 Ø	0.5300	0.73
3.9 µm	8 to 9 Ø	0.4500	0.62
1.95 µm	9 to 10 Ø	0.2600	0.36
0.98 µm	> 10 Ø	1.1100	1.52
		72.0017	98.5

Approved By: _____



Date: _____

9/19/05

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Kennedy/Jenks Consultants, Incorporated
Project: BNSF-Harborview/0496017
Sample Matrix: Soil

Service Request: K0503178
Date Collected: 08/17/05
Date Received: 08/18/05
Date Analyzed: 09/08/05

Particle Size Determination Puget Sound Estuary Program Protocol

Sample Name: SS-02
Lab Code: K0503178-002DUP

Sand Fraction: Dry Weight (Grams) 66.5637
 Sand Fraction: Weight Recovered (Grams) 66.3323
 Sand Fraction: Percent Recovery 99.7

Description	Phi Size	Dry Weight (Grams)	Percent of Total Weight Recovered
Gravel	<-1 Ø	0.2470	0.34
Very Coarse Sand	-1 to 0 Ø	0.2100	0.29
Coarse Sand	0 to 1 Ø	0.3683	0.50
Medium Sand	1 to 2 Ø	6.9722	9.55
Fine Sand	2 to 3 Ø	35.6763	48.9
Very Fine Sand	3 to 4 Ø	20.9110	28.6
62.5 µm	4 to 5 Ø	2.9500	4.04
31.3 µm	5 to 6 Ø	0.8450	1.16
15.6 µm	6 to 7 Ø	0.5300	0.73
7.8 µm	7 to 8 Ø	0.5700	0.78
3.9 µm	8 to 9 Ø	0.3450	0.47
1.95 µm	9 to 10 Ø	0.2750	0.38
0.98 µm	> 10 Ø	1.1600	1.59
		71.0598	97.3

Approved By: _____

Date: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Kennedy/Jenks Consultants, Incorporated
Project: BNSF-Harborview/0496017
Sample Matrix: Soil

Service Request: K0503178
Date Collected: 08/17/05
Date Received: 08/18/05
Date Analyzed: 09/08/05

Particle Size Determination
 Puget Sound Estuary Program Protocol

Sample Name: SS-02
Lab Code: K0503178-002TRP

Sand Fraction: Dry Weight (Grams) 67.3307
 Sand Fraction: Weight Recovered (Grams) 67.3646
 Sand Fraction: Percent Recovery 100

Description	Phi Size	Dry Weight (Grams)	Percent of Total Weight Recovered
Gravel	<-1 Ø	0.6926	0.96
Very Coarse Sand	-1 to 0 Ø	0.2141	0.30
Coarse Sand	0 to 1 Ø	0.4897	0.68
Medium Sand	1 to 2 Ø	6.5244	9.00
Fine Sand	2 to 3 Ø	38.8447	53.6
Very Fine Sand	3 to 4 Ø	18.5489	25.6
62.5 µm	4 to 5 Ø	2.7900	3.85
31.3 µm	5 to 6 Ø	0.7250	1.00
15.6 µm	6 to 7 Ø	0.6400	0.88
7.8 µm	7 to 8 Ø	0.5800	0.80
3.9 µm	8 to 9 Ø	0.1600	0.22
1.95 µm	9 to 10 Ø	0.5550	0.77
0.98 µm	> 10 Ø	1.1350	1.57
		71.8994	99.2

Approved By: _____

pcsl

Date: _____

9/19/05

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Kennedy/Jenks Consultants, Incorporated
Project: BNSF-Harborview/0496017
Sample Matrix: Soil

Service Request: K0503178
Date Collected: 08/17/05
Date Received: 08/18/05
Date Analyzed: 09/08/05

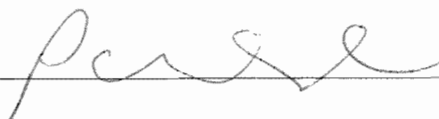
Particle Size Determination
 Puget Sound Estuary Program Protocol

Sample Name: SS-03
Lab Code: K0503178-003

Sand Fraction: Dry Weight (Grams) 57.6725
 Sand Fraction: Weight Recovered (Grams) 57.6733
 Sand Fraction: Percent Recovery 100

Description	Phi Size	Dry Weight (Grams)	Percent of Total Weight Recovered
Gravel	<-1 Ø	0.3334	0.50
Very Coarse Sand	-1 to 0 Ø	0.2080	0.31
Coarse Sand	0 to 1 Ø	0.2552	0.38
Medium Sand	1 to 2 Ø	11.4834	17.1
Fine Sand	2 to 3 Ø	28.4122	42.3
Very Fine Sand	3 to 4 Ø	14.4171	21.5
62.5 µm	4 to 5 Ø	4.3250	6.45
31.3 µm	5 to 6 Ø	2.1750	3.24
15.6 µm	6 to 7 Ø	1.1500	1.71
7.8 µm	7 to 8 Ø	0.6550	0.98
3.9 µm	8 to 9 Ø	0.6600	0.98
1.95 µm	9 to 10 Ø	0.4450	0.66
0.98 µm	> 10 Ø	1.6250	2.42
		66.1443	98.6

Approved By:



Date:

9/19/05

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Kennedy/Jenks Consultants, Incorporated
Project: BNSF-Harborview/0496017
Sample Matrix: Soil

Service Request: K0503178
Date Collected: 08/17/05
Date Received: 08/18/05
Date Analyzed: 09/08/05

Particle Size Determination
 Puget Sound Estuary Program Protocol

Sample Name: SS-04
Lab Code: K0503178-004

Sand Fraction: Dry Weight (Grams) 88.5982
 Sand Fraction: Weight Recovered (Grams) 88.5945
 Sand Fraction: Percent Recovery 100

Description	Phi Size	Dry Weight (Grams)	Percent of Total Weight Recovered
Gravel	<-1 Ø	30.3670	33.4
Very Coarse Sand	-1 to 0 Ø	12.3673	13.6
Coarse Sand	0 to 1 Ø	14.9078	16.4
Medium Sand	1 to 2 Ø	23.4864	25.8
Fine Sand	2 to 3 Ø	6.3867	7.02
Very Fine Sand	3 to 4 Ø	0.9785	1.08
62.5 µm	4 to 5 Ø	0.6750	0.74
31.3 µm	5 to 6 Ø	0.7250	0.80
15.6 µm	6 to 7 Ø	0.9100	1.00
7.8 µm	7 to 8 Ø	0.5400	0.59
3.9 µm	8 to 9 Ø	0.5800	0.64
1.95 µm	9 to 10 Ø	0.2100	0.23
0.98 µm	> 10 Ø	0.6650	0.73
		92.7987	102

Approved By: _____

Date: _____

9/19/05

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Kennedy/Jenks Consultants, Incorporated
Project: BNSF-Harborview/0496017
Sample Matrix: Soil

Service Request: K0503178
Date Collected: 08/17/05
Date Received: 08/18/05
Date Analyzed: 09/08/05

Particle Size Determination
 Puget Sound Estuary Program Protocol

Sample Name: SS-05
Lab Code: K0503178-005

Sand Fraction: Dry Weight (Grams) 89.7614
 Sand Fraction: Weight Recovered (Grams) 89.7665
 Sand Fraction: Percent Recovery 100

Description	Phi Size	Dry Weight (Grams)	Percent of Total Weight Recovered
Gravel	<-1 Ø	43.6194	47.6
Very Coarse Sand	-1 to 0 Ø	7.7512	8.46
Coarse Sand	0 to 1 Ø	10.4185	11.4
Medium Sand	1 to 2 Ø	23.1541	25.3
Fine Sand	2 to 3 Ø	4.2238	4.61
Very Fine Sand	3 to 4 Ø	0.5520	0.60
62.5 µm	4 to 5 Ø	0.1850	0.20
31.3 µm	5 to 6 Ø	0.1750	0.19
15.6 µm	6 to 7 Ø	0.2700	0.29
7.8 µm	7 to 8 Ø	0.1450	0.16
3.9 µm	8 to 9 Ø	0.2100	0.23
1.95 µm	9 to 10 Ø	0.2000	0.22
0.98 µm	> 10 Ø	0.3650	0.40
		91.2690	99.6

Approved By: _____

Date: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Kennedy/Jenks Consultants, Incorporated
Project: BNSF-Harborview/0496017
Sample Matrix: Soil

Service Request: K0503178
Date Collected: 08/17/05
Date Received: 08/18/05
Date Analyzed: 09/08/05

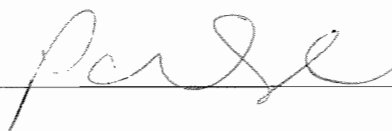
Particle Size Determination
 Puget Sound Estuary Program Protocol

Sample Name: SS-06
Lab Code: K0503178-006

Sand Fraction: Dry Weight (Grams) 89.1134
 Sand Fraction: Weight Recovered (Grams) 88.8741
 Sand Fraction: Percent Recovery 99.7

Description	Phi Size	Dry Weight (Grams)	Percent of Total Weight Recovered
Gravel	<-1 Ø	26.9994	29.9
Very Coarse Sand	-1 to 0 Ø	12.5776	13.9
Coarse Sand	0 to 1 Ø	13.5720	15.0
Medium Sand	1 to 2 Ø	26.3274	29.1
Fine Sand	2 to 3 Ø	8.6006	9.52
Very Fine Sand	3 to 4 Ø	0.7290	0.81
62.5 µm	4 to 5 Ø	0.2600	0.29
31.3 µm	5 to 6 Ø	0.0150	0.02
15.6 µm	6 to 7 Ø	0.0850	0.09
7.8 µm	7 to 8 Ø	0.1100	0.12
3.9 µm	8 to 9 Ø	0.1250	0.14
1.95 µm	9 to 10 Ø	0.2200	0.24
0.98 µm	> 10 Ø	0.4000	0.44
		90.0210	99.6

Approved By: _____



Date: _____

9/19/05

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Kennedy/Jenks Consultants, Incorporated
 Project: BNSF-Harborview/0496017
 Sample Matrix: Soil

Service Request: K0503178
 Date Collected: 08/17/05
 Date Received: 08/18/05
 Date Analyzed: 09/08/05

Particle Size Determination
 Puget Sound Estuary Program Protocol

Sample Name: SS-07
 Lab Code: K0503178-007

Sand Fraction: Dry Weight (Grams) 89.3095
 Sand Fraction: Weight Recovered (Grams) 89.1655
 Sand Fraction: Percent Recovery 99.8

Description	Phi Size	Dry Weight (Grams)	Percent of Total Weight Recovered
Gravel	<-1 Ø	40.3048	45.2
Very Coarse Sand	-1 to 0 Ø	10.2795	11.5
Coarse Sand	0 to 1 Ø	15.0323	16.9
Medium Sand	1 to 2 Ø	21.3905	24.0
Fine Sand	2 to 3 Ø	2.0758	2.33
Very Fine Sand	3 to 4 Ø	0.0751	0.08
62.5 µm	4 to 5 Ø	0.0350	0.04
31.3 µm	5 to 6 Ø	0.0000	0.00
15.6 µm	6 to 7 Ø	0.0300	0.03
7.8 µm	7 to 8 Ø	0.0350	0.04
3.9 µm	8 to 9 Ø	0.0000	0.00
1.95 µm	9 to 10 Ø	0.1150	0.13
0.98 µm	> 10 Ø	0.2050	0.23
		89.5780	100

Approved By: _____

Date: _____

9/19/05

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Kennedy/Jenks Consultants, Incorporated
Project: BNSF-Harborview/0496017
Sample Matrix: Soil

Service Request: K0503178
Date Collected: 08/17/05
Date Received: 08/18/05
Date Analyzed: 09/08/05

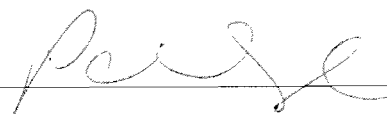
Particle Size Determination Puget Sound Estuary Program Protocol

Sample Name: SS-08
Lab Code: K0503178-008

Sand Fraction: Dry Weight (Grams) 92.3542
 Sand Fraction: Weight Recovered (Grams) 91.9857
 Sand Fraction: Percent Recovery 99.6

Description	Phi Size	Dry Weight (Grams)	Percent of Total Weight Recovered
Gravel	<-1 Ø	40.6482	44.2
Very Coarse Sand	-1 to 0 Ø	11.7473	12.8
Coarse Sand	0 to 1 Ø	17.8577	19.4
Medium Sand	1 to 2 Ø	19.1147	20.8
Fine Sand	2 to 3 Ø	2.3941	2.61
Very Fine Sand	3 to 4 Ø	0.1956	0.21
62.5 µm	4 to 5 Ø	0.0650	0.07
31.3 µm	5 to 6 Ø	0.0000	0.00
15.6 µm	6 to 7 Ø	0.0750	0.08
7.8 µm	7 to 8 Ø	0.1450	0.16
3.9 µm	8 to 9 Ø	0.0000	0.00
1.95 µm	9 to 10 Ø	0.0700	0.08
0.98 µm	> 10 Ø	0.2700	0.29
		92.5826	101

Approved By: _____



Date: 9/19/05

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Kennedy/Jenks Consultants, Incorporated
 Project: BNSF-Harborview/0496017
 Sample Matrix: Soil

Service Request: K0503178
 Date Collected: 08/17/05
 Date Received: 08/18/05
 Date Analyzed: 09/08/05

Particle Size Determination
 Puget Sound Estuary Program Protocol

Sample Name: SS-09
 Lab Code: K0503178-009

Sand Fraction: Dry Weight (Grams) 85.8577
 Sand Fraction: Weight Recovered (Grams) 86.0888
 Sand Fraction: Percent Recovery 100

Description	Phi Size	Dry Weight (Grams)	Percent of Total Weight Recovered
Gravel	<-1 Ø	13.9646	16.2
Very Coarse Sand	-1 to 0 Ø	6.9653	8.10
Coarse Sand	0 to 1 Ø	12.1085	14.1
Medium Sand	1 to 2 Ø	43.5982	50.7
Fine Sand	2 to 3 Ø	8.9480	10.4
Very Fine Sand	3 to 4 Ø	0.4667	0.54
62.5 µm	4 to 5 Ø	0.0150	0.02
31.3 µm	5 to 6 Ø	0.0050	0.01
15.6 µm	6 to 7 Ø	0.1050	0.12
7.8 µm	7 to 8 Ø	0.0400	0.05
3.9 µm	8 to 9 Ø	0.1300	0.15
1.95 µm	9 to 10 Ø	0.0700	0.08
0.98 µm	> 10 Ø	0.4650	0.54
		86.8813	101

Approved By: _____

Date: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Kennedy/Jenks Consultants, Incorporated
Project: BNSF-Harborview/0496017
Sample Matrix: Soil

Service Request: K0503178
Date Collected: 08/17/05
Date Received: 08/18/05
Date Analyzed: 09/08/05

Particle Size Determination Puget Sound Estuary Program Protocol

Sample Name: SS-10
Lab Code: K0503178-010

Sand Fraction: Dry Weight (Grams) 83.7506
 Sand Fraction: Weight Recovered (Grams) 83.6010
 Sand Fraction: Percent Recovery 99.8

Description	Phi Size	Dry Weight (Grams)	Percent of Total Weight Recovered
Gravel	<-1 Ø	17.6830	20.5
Very Coarse Sand	-1 to 0 Ø	6.4238	7.43
Coarse Sand	0 to 1 Ø	10.5678	12.2
Medium Sand	1 to 2 Ø	38.9789	45.1
Fine Sand	2 to 3 Ø	9.5139	11.0
Very Fine Sand	3 to 4 Ø	0.3893	0.45
62.5 µm	4 to 5 Ø	0.0800	0.09
31.3 µm	5 to 6 Ø	0.0000	0.00
15.6 µm	6 to 7 Ø	0.0500	0.06
7.8 µm	7 to 8 Ø	0.2500	0.29
3.9 µm	8 to 9 Ø	0.1250	0.14
1.95 µm	9 to 10 Ø	0.0200	0.02
0.98 µm	> 10 Ø	0.5300	0.61
		84.6117	97.9

Approved By: _____

Date: 9/19/05

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Kennedy/Jenks Consultants, Incorporated
Project: BNSF-Harborview/0496017
Sample Matrix: Soil

Service Request: K0503178
Date Collected: 08/17/05
Date Received: 08/18/05
Date Analyzed: 09/08/05

Particle Size Determination
 Puget Sound Estuary Program Protocol

Sample Name: SS-11
Lab Code: K0503178-011

Sand Fraction: Dry Weight (Grams) 83.0859
 Sand Fraction: Weight Recovered (Grams) 83.1179
 Sand Fraction: Percent Recovery 100

Description	Phi Size	Dry Weight (Grams)	Percent of Total Weight Recovered
Gravel	<-1 Ø	16.5823	19.3
Very Coarse Sand	-1 to 0 Ø	8.6022	10.0
Coarse Sand	0 to 1 Ø	14.4852	16.9
Medium Sand	1 to 2 Ø	34.7534	40.5
Fine Sand	2 to 3 Ø	7.8216	9.12
Very Fine Sand	3 to 4 Ø	0.8207	0.96
62.5 µm	4 to 5 Ø	0.2300	0.27
31.3 µm	5 to 6 Ø	0.1300	0.15
15.6 µm	6 to 7 Ø	0.0900	0.10
7.8 µm	7 to 8 Ø	0.1800	0.21
3.9 µm	8 to 9 Ø	0.1100	0.13
1.95 µm	9 to 10 Ø	0.1550	0.18
0.98 µm	> 10 Ø	0.2950	0.34
		84.2554	98.3

Approved By: _____

Date: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Kennedy/Jenks Consultants, Incorporated
Project: BNSF-Harborview/0496017
Sample Matrix: Soil

Service Request: K0503178
Date Collected: 08/17/05
Date Received: 08/18/05
Date Analyzed: 09/08/05

Particle Size Determination
 Puget Sound Estuary Program Protocol

Sample Name: SS-12
Lab Code: K0503178-012

Sand Fraction: Dry Weight (Grams) 95.3426
 Sand Fraction: Weight Recovered (Grams) 90.1597
 Sand Fraction: Percent Recovery 94.6

Description	Phi Size	Dry Weight (Grams)	Percent of Total Weight Recovered
Gravel	<-1 Ø	45.5259	47.1
Very Coarse Sand	-1 to 0 Ø	3.3633	3.48
Coarse Sand	0 to 1 Ø	16.0113	16.6
Medium Sand	1 to 2 Ø	22.4555	23.2
Fine Sand	2 to 3 Ø	2.5396	2.63
Very Fine Sand	3 to 4 Ø	0.2337	0.24
62.5 µm	4 to 5 Ø	0.1800	0.19
31.3 µm	5 to 6 Ø	0.0000	0.00
15.6 µm	6 to 7 Ø	0.0750	0.08
7.8 µm	7 to 8 Ø	0.0150	0.02
3.9 µm	8 to 9 Ø	0.1400	0.14
1.95 µm	9 to 10 Ø	0.0450	0.05
0.98 µm	> 10 Ø	0.2750	0.28
		90.8593	94.0

Approved By: _____

Date: _____

9/19/05

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Kennedy/Jenks Consultants, Incorporated
Project: BNSF-Harborview/0496017
Sample Matrix: Soil

Service Request: K0503178
Date Collected: 08/17/05
Date Received: 08/18/05
Date Analyzed: 09/08/05

Particle Size Determination
 Puget Sound Estuary Program Protocol

Sample Name: SS-13
Lab Code: K0503178-013

Sand Fraction: Dry Weight (Grams) 90.3004
 Sand Fraction: Weight Recovered (Grams) 90.2995
 Sand Fraction: Percent Recovery 100

Description	Phi Size	Dry Weight (Grams)	Percent of Total Weight Recovered
Gravel	<-1 Ø	23.5051	26.6
Very Coarse Sand	-1 to 0 Ø	7.4470	8.43
Coarse Sand	0 to 1 Ø	18.4050	20.8
Medium Sand	1 to 2 Ø	36.2839	41.1
Fine Sand	2 to 3 Ø	4.3902	4.97
Very Fine Sand	3 to 4 Ø	0.2522	0.29
62.5 µm	4 to 5 Ø	0.0000	0.00
31.3 µm	5 to 6 Ø	0.0000	0.00
15.6 µm	6 to 7 Ø	0.0850	0.10
7.8 µm	7 to 8 Ø	0.0200	0.02
3.9 µm	8 to 9 Ø	0.0500	0.06
1.95 µm	9 to 10 Ø	0.0450	0.05
0.98 µm	> 10 Ø	0.3700	0.42
		90.8534	103

Approved By: _____

Paul

Date: _____

9/19/05

Metals

METALS

- Cover Page -
INORGANIC ANALYSIS DATA PACKAGE

Client: Kennedy/Jenks Consultants, Incorporated Service Request: K0503178
Project No.: 0496017
Project Name: BNSF-Harborview

<u>Sample No.</u>	<u>Lab Sample ID.</u>
SS-01	K0503178-001
SS-01D	K0503178-001D
SS-01S	K0503178-001S
SS-02	K0503178-002
SS-03	K0503178-003
SS-04	K0503178-004
SS-05	K0503178-005
SS-06	K0503178-006
SS-07	K0503178-007
SS-08	K0503178-008
SS-09	K0503178-009
SS-10	K0503178-010
SS-11	K0503178-011
SS-12	K0503178-012
SS-13	K0503178-013
Method Blank	K0503178-MB

Were ICP interelement corrections applied? Yes/No YES

Were ICP background corrections applied? Yes/No YES

If yes-were raw data generated before
application of background corrections? Yes/No NO

Comments: _____

Signature: 

Date: 9/4/05

METALS
-1-
INORGANIC ANALYSIS DATA SHEET

Client: Kennedy/Jenks Consultants, Incorporated Service Request: K0503178
Project No.: 0496017 Date Collected: 08/17/05
Project Name: BNSF-Harborview Date Received: 08/18/05
Matrix: SOIL Units: MG/KG
Basis: Dry

Sample Name: SS-01

Lab Code: K0503178-001

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.57	0.09	5	9/7/05	9/14/05	3.16		
Cadmium	6020	0.057	0.005	5	9/7/05	9/14/05	0.049	B	
Chromium	6020	0.23	0.03	5	9/7/05	9/14/05	23.9		
Copper	6020	0.11	0.05	5	9/7/05	9/14/05	7.84		
Lead	6020	0.06	0.02	5	9/7/05	9/14/05	4.81		
Mercury	7471A	0.017	0.008	1	9/7/05	9/8/05	0.017		
Silver	6020	0.023	0.002	5	9/7/05	9/14/05	0.035		
Zinc	6020	0.57	0.10	5	9/7/05	9/14/05	26.0		

% Solids: 73.3

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Kennedy/Jenks Consultants, Incorporated Service Request: K0503178
Project No.: 0496017 Date Collected: 08/17/05
Project Name: BNSF-Harborview Date Received: 08/18/05
Matrix: SOIL Units: MG/KG
Basis: Dry

Sample Name: SS-02

Lab Code: K0503178-002

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.55	0.09	5	9/7/05	9/14/05	2.93		
Cadmium	6020	0.055	0.004	5	9/7/05	9/14/05	0.095		
Chromium	6020	0.22	0.03	5	9/7/05	9/14/05	24.0		
Copper	6020	0.11	0.04	5	9/7/05	9/14/05	9.28		
Lead	6020	0.06	0.02	5	9/7/05	9/14/05	5.21		
Mercury	7471A	0.018	0.008	1	9/7/05	9/8/05	0.026		
Silver	6020	0.022	0.002	5	9/7/05	9/14/05	0.037		
Zinc	6020	0.55	0.10	5	9/7/05	9/14/05	27.0		

% Solids: 75.2

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Kennedy/Jenks Consultants, Incorporated Service Request: K0503178
Project No.: 0496017 Date Collected: 08/17/05
Project Name: BNSF-Harborview Date Received: 08/18/05
Matrix: SOIL Units: MG/KG
Basis: Dry

Sample Name: SS-03

Lab Code: K0503178-003

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.57	0.09	5	9/7/05	9/14/05	3.99		
Cadmium	6020	0.057	0.005	5	9/7/05	9/14/05	0.176		
Chromium	6020	0.23	0.03	5	9/7/05	9/14/05	32.2		
Copper	6020	0.12	0.05	5	9/7/05	9/14/05	13.6		
Lead	6020	0.06	0.02	5	9/7/05	9/14/05	7.46		
Mercury	7471A	0.020	0.009	1	9/7/05	9/8/05	0.060		
Silver	6020	0.023	0.002	5	9/7/05	9/14/05	0.060		
Zinc	6020	0.57	0.10	5	9/7/05	9/14/05	34.2		

% Solids: 61.4

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Kennedy/Jenks Consultants, Incorporated Service Request: K0503178
Project No.: 0496017 Date Collected: 08/17/05
Project Name: BNSF-Harborview Date Received: 08/18/05
Matrix: SOIL Units: MG/KG
Basis: Dry

Sample Name: SS-04

Lab Code: K0503178-004

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.56	0.09	5	9/7/05	9/14/05	1.95		
Cadmium	6020	0.056	0.004	5	9/7/05	9/14/05	0.037	B	
Chromium	6020	0.22	0.03	5	9/7/05	9/14/05	27.8		
Copper	6020	0.11	0.04	5	9/7/05	9/14/05	9.01		
Lead	6020	0.06	0.02	5	9/7/05	9/14/05	2.14		
Mercury	7471A	0.019	0.008	1	9/7/05	9/8/05	0.016	B	
Silver	6020	0.022	0.002	5	9/7/05	9/14/05	0.029		
Zinc	6020	0.56	0.10	5	9/7/05	9/14/05	26.6		

% Solids: 89.5

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Kennedy/Jenks Consultants, Incorporated Service Request: K0503178
Project No.: 0496017 Date Collected: 08/17/05
Project Name: BNSF-Harborview Date Received: 08/18/05
Matrix: SOIL Units: MG/KG
Basis: Dry

Sample Name: SS-05

Lab Code: K0503178-005

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.55	0.09	5	9/7/05	9/14/05	2.21		
Cadmium	6020	0.055	0.004	5	9/7/05	9/14/05	0.037	B	
Chromium	6020	0.22	0.03	5	9/7/05	9/14/05	28.7		
Copper	6020	0.11	0.04	5	9/7/05	9/14/05	9.97		
Lead	6020	0.05	0.02	5	9/7/05	9/14/05	3.22		
Mercury	7471A	0.018	0.008	1	9/7/05	9/8/05	0.008	U	
Silver	6020	0.022	0.002	5	9/7/05	9/14/05	0.017	B	
Zinc	6020	0.55	0.10	5	9/7/05	9/14/05	27.6		

% Solids: 89.3

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Kennedy/Jenks Consultants, Incorporated Service Request: K0503178
Project No.: 0496017 Date Collected: 08/17/05
Project Name: BNSF-Harborview Date Received: 08/18/05
Matrix: SOIL Units: MG/KG
Basis: Dry

Sample Name: SS-06

Lab Code: K0503178-006

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.57	0.09	5	9/7/05	9/14/05	1.77		
Cadmium	6020	0.057	0.005	5	9/7/05	9/14/05	0.034	B	
Chromium	6020	0.23	0.03	5	9/7/05	9/14/05	15.0		
Copper	6020	0.11	0.05	5	9/7/05	9/14/05	7.11		
Lead	6020	0.06	0.02	5	9/7/05	9/14/05	3.26		
Mercury	7471A	0.019	0.008	1	9/7/05	9/8/05	0.008	U	
Silver	6020	0.023	0.002	5	9/7/05	9/14/05	0.020	B	
Zinc	6020	0.57	0.10	5	9/7/05	9/14/05	22.8		

% Solids: 87.6

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Kennedy/Jenks Consultants, Incorporated Service Request: K0503178
Project No.: 0496017 Date Collected: 08/17/05
Project Name: BNSF-Harborview Date Received: 08/18/05
Matrix: SOIL Units: MG/KG
Basis: Dry

Sample Name: SS-07

Lab Code: K0503178-007

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.58	0.09	5	9/7/05	9/14/05	2.56		
Cadmium	6020	0.058	0.005	5	9/7/05	9/14/05	0.043	B	
Chromium	6020	0.23	0.04	5	9/7/05	9/14/05	22.7		
Copper	6020	0.12	0.05	5	9/7/05	9/14/05	8.17		
Lead	6020	0.06	0.02	5	9/7/05	9/14/05	3.65		
Mercury	7471A	0.014	0.006	1	9/7/05	9/8/05	0.017		
Silver	6020	0.023	0.002	5	9/7/05	9/14/05	0.024		
Zinc	6020	0.58	0.11	5	9/7/05	9/14/05	26.9		

% Solids: 85.6

Comments:

METALS**-1-****INORGANIC ANALYSIS DATA SHEET**

Client: Kennedy/Jenks Consultants, Incorporated Service Request: K0503178
Project No.: 0496017 Date Collected: 08/17/05
Project Name: BNSF-Harborview Date Received: 08/18/05
Matrix: SOIL Units: MG/KG
Basis: Dry

Sample Name: SS-08

Lab Code: K0503178-008

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.55	0.09	5	9/7/05	9/14/05	1.64		
Cadmium	6020	0.055	0.004	5	9/7/05	9/14/05	0.057		
Chromium	6020	0.22	0.03	5	9/7/05	9/14/05	17.1		
Copper	6020	0.11	0.04	5	9/7/05	9/14/05	7.07		
Lead	6020	0.05	0.02	5	9/7/05	9/14/05	2.54		
Mercury	7471A	0.016	0.007	1	9/7/05	9/8/05	0.008	B	
Silver	6020	0.022	0.002	5	9/7/05	9/14/05	0.026		
Zinc	6020	0.55	0.10	5	9/7/05	9/14/05	22.0		

% Solids: 90.1

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Kennedy/Jenks Consultants, Incorporated Service Request: K0503178
Project No.: 0496017 Date Collected: 08/17/05
Project Name: BNSF-Harborview Date Received: 08/18/05
Matrix: SOIL Units: MG/KG
Basis: Dry

Sample Name: SS-09

Lab Code: K0503178-009

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.60	0.10	5	9/7/05	9/14/05	2.16		
Cadmium	6020	0.060	0.005	5	9/7/05	9/14/05	0.036	B	
Chromium	6020	0.24	0.04	5	9/7/05	9/14/05	19.8		
Copper	6020	0.12	0.05	5	9/7/05	9/14/05	7.43		
Lead	6020	0.06	0.02	5	9/7/05	9/14/05	2.77		
Mercury	7471A	0.018	0.008	1	9/7/05	9/8/05	0.011	B	
Silver	6020	0.024	0.002	5	9/7/05	9/14/05	0.025		
Zinc	6020	0.60	0.11	5	9/7/05	9/14/05	24.4		

% Solids: 83.0

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Kennedy/Jenks Consultants, Incorporated Service Request: K0503178
Project No.: 0496017 Date Collected: 08/17/05
Project Name: BNSF-Harborview Date Received: 08/18/05
Matrix: SOIL Units: MG/KG
Basis: Dry

Sample Name: SS-10

Lab Code: K0503178-010

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.59	0.09	5	9/7/05	9/14/05	2.03		
Cadmium	6020	0.059	0.005	5	9/7/05	9/14/05	0.032	B	
Chromium	6020	0.24	0.04	5	9/7/05	9/14/05	26.9		
Copper	6020	0.12	0.05	5	9/7/05	9/14/05	7.19		
Lead	6020	0.06	0.02	5	9/7/05	9/14/05	2.79		
Mercury	7471A	0.017	0.008	1	9/7/05	9/8/05	0.008	U	
Silver	6020	0.024	0.002	5	9/7/05	9/14/05	0.020	B	
Zinc	6020	0.59	0.11	5	9/7/05	9/14/05	23.9		

% Solids: 84.3

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Kennedy/Jenks Consultants, Incorporated Service Request: K0503178
Project No.: 0496017 Date Collected: 08/17/05
Project Name: BNSF-Harborview Date Received: 08/18/05
Matrix: SOIL Units: MG/KG
Basis: Dry

Sample Name: SS-11

Lab Code: K0503178-011

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.61	0.10	5	9/7/05	9/14/05	2.31		
Cadmium	6020	0.061	0.005	5	9/7/05	9/14/05	0.029	B	
Chromium	6020	0.25	0.04	5	9/7/05	9/14/05	26.3		
Copper	6020	0.12	0.05	5	9/7/05	9/14/05	11.4		
Lead	6020	0.06	0.02	5	9/7/05	9/14/05	3.16		
Mercury	7471A	0.019	0.009	1	9/7/05	9/8/05	0.009	U	
Silver	6020	0.024	0.002	5	9/7/05	9/14/05	0.020	B	
Zinc	6020	0.61	0.11	5	9/7/05	9/14/05	28.5		

% Solids: 81.7

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Kennedy/Jenks Consultants, Incorporated Service Request: K0503178
Project No.: 0496017 Date Collected: 08/17/05
Project Name: BNSF-Harborview Date Received: 08/18/05
Matrix: SOIL Units: MG/KG
Basis: Dry

Sample Name: SS-12

Lab Code: K0503178-012

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.52	0.08	5	9/7/05	9/14/05	2.10		
Cadmium	6020	0.052	0.004	5	9/7/05	9/14/05	0.041	B	
Chromium	6020	0.21	0.03	5	9/7/05	9/14/05	23.8		
Copper	6020	0.10	0.04	5	9/7/05	9/14/05	9.38		
Lead	6020	0.05	0.02	5	9/7/05	9/14/05	5.06		
Mercury	7471A	0.018	0.008	1	9/7/05	9/8/05	0.010	B	
Silver	6020	0.021	0.002	5	9/7/05	9/14/05	0.019	B	
Zinc	6020	0.52	0.09	5	9/7/05	9/14/05	24.1		

% Solids: 94.3

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Kennedy/Jenks Consultants, Incorporated Service Request: K0503178
Project No.: 0496017 Date Collected: 08/17/05
Project Name: BNSF-Harborview Date Received: 08/18/05
Matrix: SOIL Units: MG/KG
Basis: Dry

Sample Name: SS-13

Lab Code: K0503178-013

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.59	0.09	5	9/7/05	9/14/05	2.40		
Cadmium	6020	0.059	0.005	5	9/7/05	9/14/05	0.050	B	
Chromium	6020	0.23	0.04	5	9/7/05	9/14/05	22.6		
Copper	6020	0.12	0.05	5	9/7/05	9/14/05	10.3		
Lead	6020	0.06	0.02	5	9/7/05	9/14/05	4.80		
Mercury	7471A	0.018	0.008	1	9/7/05	9/8/05	0.008	U	
Silver	6020	0.023	0.002	5	9/7/05	9/14/05	0.017	B	
Zinc	6020	0.59	0.11	5	9/7/05	9/14/05	30.1		

% Solids: 85.3

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Kennedy/Jenks Consultants, Incorporated Service Request: K0503178
Project No.: 0496017 Date Collected:
Project Name: BNSF-Harborview Date Received:
Matrix: SOIL Units: MG/KG
Basis: Dry

Sample Name: Method Blank

Lab Code: K0503178-MB

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.50	0.08	5	9/7/05	9/14/05	0.08	U	
Cadmium	6020	0.050	0.004	5	9/7/05	9/14/05	0.004	U	
Chromium	6020	0.20	0.03	5	9/7/05	9/14/05	0.09	B	
Copper	6020	0.10	0.04	5	9/7/05	9/14/05	0.04	U	
Lead	6020	0.05	0.02	5	9/7/05	9/14/05	0.02	U	
Mercury	7471A	0.020	0.009	1	9/7/05	9/8/05	0.009	U	
Silver	6020	0.020	0.002	5	9/7/05	9/14/05	0.008	B	
Zinc	6020	0.50	0.09	5	9/7/05	9/14/05	0.09	U	

% Solids: 100.0

Comments:

METALS
- 5a -
SPIKE SAMPLE RECOVERY

Client: Kennedy/Jenks Consultants, Incorporated Service Request: K0503178
Project No.: 0496017 Units: mg/kg
Project Name: BNSF-Harborview Basis: Dry
Matrix: SOIL % Solids: 73.3

Sample Name: SS-01S

Lab Code: K0503178-001S

Analyte	Control Limit %R	Spike Result	C	Sample Result	C	Spike Added	%R	Q	Method
Arsenic	70 - 122	115		3.16		113	99		6020
Cadmium	77 - 122	11.9		0.049	B	11.3	105		6020
Chromium	67 - 138	74.2		23.9		45.1	112		6020
Copper	50 - 142	64.9		7.84		56.4	101		6020
Lead	74 - 117	120		4.81		113	102		6020
Mercury	61 - 129	0.491		0.017		0.457	104		7471A
Silver	70 - 130	11.0		0.035		11.3	97		6020
Zinc	51 - 153	143		26.0		113	104		6020

An empty field in the Control Limit column indicates the control limit is not applicable.

METALS
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DUPLICATES

Client: Kennedy/Jenks Consultants, Incorporated Service Request: K0503178
Project No.: 0496017 Units: mg/kg
Project Name: BNSF-Harborview Basis: Dry
Matrix: SOIL % Solids: 73.3

Sample Name: SS-01D

Lab Code: K0503178-001D

Analyte	Control Limit (%)	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Arsenic	30	3.16		3.34		6		6020
Cadmium		0.049	B	0.044	B	11		6020
Chromium	30	23.9		24.4		2		6020
Copper	30	7.84		7.97		2		6020
Lead	30	4.81		5.64		16		6020
Mercury		0.017		0.018		8		7471A
Silver		0.035		0.035		0		6020
Zinc	30	26.0		26.5		2		6020

An empty field in the Control Limit column indicates the control limit is not applicable.

METALS

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LABORATORY CONTROL SAMPLE

Client: Kennedy/Jenks Consultants, Incorporated Service Request: K0503178

Project No.: 0496017

Project Name: BNSF-Harborview

Aqueous LCS Source: Inorganic Ventures

Solid LCS Source: ERA Lot #246

Analyte	Aqueous mg/L			Solid (mg/kg)				
	True	Found	%R	True	Found	C	Limits	%R
Arsenic				146	145		112	99
Cadmium				92.8	98.5		73.9	106
Chromium				172	174		135	101
Copper				67.0	69.3		53.8	103
Lead				67.5	70.7		53.1	105
Mercury				1.49	1.52		0.852	102
Silver				93.0	98.6		57.0	106
Zinc				380	391		300	103

**Polychlorinated Biphenyls
PCB's
EPA Method 8082**

Organic Analysis:
Polychlorinated Biphenyls (PCBs)

Summary Package

Sample and QC Results

COLUMBIA ANALYTICAL SERVICES, INC.

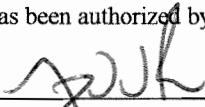
Client: Kennedy/Jenks Consultants, Incorporated
Project: BNSF-Harborview/0496017

Service Request: K0503178

Cover Page - Organic Analysis Data Package
Polychlorinated Biphenyls (PCBs)

Sample Name	Lab Code	Date Collected	Date Received
SS-01	K0503178-001	08/17/2005	08/18/2005
SS-02	K0503178-002	08/17/2005	08/18/2005
SS-03	K0503178-003	08/17/2005	08/18/2005
SS-04	K0503178-004	08/17/2005	08/18/2005
SS-05	K0503178-005	08/17/2005	08/18/2005
SS-06	K0503178-006	08/17/2005	08/18/2005
SS-07	K0503178-007	08/17/2005	08/18/2005
SS-08	K0503178-008	08/17/2005	08/18/2005
SS-09	K0503178-009	08/17/2005	08/18/2005
SS-10	K0503178-010	08/17/2005	08/18/2005
SS-11	K0503178-011	08/17/2005	08/18/2005
SS-12	K0503178-012	08/17/2005	08/18/2005
SS-13	K0503178-013	08/17/2005	08/18/2005
SS-09MS	KWG0514192-1	08/17/2005	08/18/2005
SS-09DMS	KWG0514192-2	08/17/2005	08/18/2005

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Name: Todd RyanDate: 9/21/05

Title: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Kennedy/Jenks Consultants, Incorporated
Project: BNSF-Harborview/0496017
Sample Matrix: Soil

Service Request: K0503178
Date Collected: 08/17/2005
Date Received: 08/18/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: SS-01
Lab Code: K0503178-001
Extraction Method: EPA 3540C
Analysis Method: 8082

Units: ug/Kg
Basis: Dry
Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	6.7	1.8	1	08/22/05	09/15/05	KWG0514192	
Aroclor 1221	ND	U	14	1.8	1	08/22/05	09/15/05	KWG0514192	
Aroclor 1232	ND	U	6.7	1.8	1	08/22/05	09/15/05	KWG0514192	
Aroclor 1242	ND	U	6.7	1.8	1	08/22/05	09/15/05	KWG0514192	
Aroclor 1248	ND	U	6.7	1.8	1	08/22/05	09/15/05	KWG0514192	
Aroclor 1254	ND	U	6.7	1.8	1	08/22/05	09/15/05	KWG0514192	
Aroclor 1260	ND	U	6.7	1.8	1	08/22/05	09/15/05	KWG0514192	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	76	20-161	09/15/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Kennedy/Jenks Consultants, Incorporated
Project: BNSF-Harborview/0496017
Sample Matrix: Soil

Service Request: K0503178
Date Collected: 08/17/2005
Date Received: 08/18/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: SS-02
Lab Code: K0503178-002
Extraction Method: EPA 3540C
Analysis Method: 8082

Units: ug/Kg
Basis: Dry
Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	6.6	1.8	1	08/22/05	09/17/05	KWG0514192	
Aroclor 1221	ND	U	14	1.8	1	08/22/05	09/17/05	KWG0514192	
Aroclor 1232	ND	U	6.6	1.8	1	08/22/05	09/17/05	KWG0514192	
Aroclor 1242	ND	U	6.6	1.8	1	08/22/05	09/17/05	KWG0514192	
Aroclor 1248	ND	U	6.6	1.8	1	08/22/05	09/17/05	KWG0514192	
Aroclor 1254	ND	U	6.6	1.8	1	08/22/05	09/17/05	KWG0514192	
Aroclor 1260	ND	U	6.6	1.8	1	08/22/05	09/17/05	KWG0514192	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	79	20-161	09/17/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Kennedy/Jenks Consultants, Incorporated
Project: BNSF-Harborview/0496017
Sample Matrix: Soil

Service Request: K0503178
Date Collected: 08/17/2005
Date Received: 08/18/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: SS-03
Lab Code: K0503178-003
Extraction Method: EPA 3540C
Analysis Method: 8082

Units: ug/Kg
Basis: Dry
Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	7.4	2.2	1	08/22/05	09/17/05	KWG0514192	
Aroclor 1221	ND	U	15	2.2	1	08/22/05	09/17/05	KWG0514192	
Aroclor 1232	ND	U	7.4	2.2	1	08/22/05	09/17/05	KWG0514192	
Aroclor 1242	ND	U	7.4	2.2	1	08/22/05	09/17/05	KWG0514192	
Aroclor 1248	ND	U	7.4	2.2	1	08/22/05	09/17/05	KWG0514192	
Aroclor 1254	3.9	J	7.4	2.2	1	08/22/05	09/17/05	KWG0514192	
Aroclor 1260	ND	U	7.4	2.2	1	08/22/05	09/17/05	KWG0514192	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	82	20-161	09/17/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Kennedy/Jenks Consultants, Incorporated
Project: BNSF-Harborview/0496017
Sample Matrix: Soil

Service Request: K0503178
Date Collected: 08/17/2005
Date Received: 08/18/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: SS-04
Lab Code: K0503178-004

Units: ug/Kg
Basis: Dry

Extraction Method: EPA 3540C
Analysis Method: 8082

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	6.2	1.5	1	08/22/05	09/15/05	KWG0514192	
Aroclor 1221	ND	U	13	1.5	1	08/22/05	09/15/05	KWG0514192	
Aroclor 1232	ND	U	6.2	1.5	1	08/22/05	09/15/05	KWG0514192	
Aroclor 1242	ND	U	6.2	1.5	1	08/22/05	09/15/05	KWG0514192	
Aroclor 1248	ND	U	6.2	1.5	1	08/22/05	09/15/05	KWG0514192	
Aroclor 1254	ND	U	6.2	1.5	1	08/22/05	09/15/05	KWG0514192	
Aroclor 1260	ND	U	6.2	1.5	1	08/22/05	09/15/05	KWG0514192	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	74	20-161	09/15/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Kennedy/Jenks Consultants, Incorporated
Project: BNSF-Harborview/0496017
Sample Matrix: Soil

Service Request: K0503178
Date Collected: 08/17/2005
Date Received: 08/18/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: SS-05
Lab Code: K0503178-005
Extraction Method: EPA 3540C
Analysis Method: 8082

Units: ug/Kg
Basis: Dry
Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	6.3	1.5	1	08/22/05	09/15/05	KWG0514192	
Aroclor 1221	ND	U	13	1.5	1	08/22/05	09/15/05	KWG0514192	
Aroclor 1232	ND	U	6.3	1.5	1	08/22/05	09/15/05	KWG0514192	
Aroclor 1242	ND	U	6.3	1.5	1	08/22/05	09/15/05	KWG0514192	
Aroclor 1248	ND	U	6.3	1.5	1	08/22/05	09/15/05	KWG0514192	
Aroclor 1254	ND	U	6.3	1.5	1	08/22/05	09/15/05	KWG0514192	
Aroclor 1260	ND	U	6.3	1.5	1	08/22/05	09/15/05	KWG0514192	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	74	20-161	09/15/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Kennedy/Jenks Consultants, Incorporated
Project: BNSF-Harborview/0496017
Sample Matrix: Soil

Service Request: K0503178
Date Collected: 08/17/2005
Date Received: 08/18/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: SS-06
Lab Code: K0503178-006
Extraction Method: EPA 3540C
Analysis Method: 8082

Units: ug/Kg
Basis: Dry
Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	6.5	1.5	1	08/22/05	09/15/05	KWG0514192	
Aroclor 1221	ND	U	13	1.5	1	08/22/05	09/15/05	KWG0514192	
Aroclor 1232	ND	U	6.5	1.5	1	08/22/05	09/15/05	KWG0514192	
Aroclor 1242	ND	U	6.5	1.5	1	08/22/05	09/15/05	KWG0514192	
Aroclor 1248	ND	U	6.5	1.5	1	08/22/05	09/15/05	KWG0514192	
Aroclor 1254	ND	U	6.5	1.5	1	08/22/05	09/15/05	KWG0514192	
Aroclor 1260	ND	U	6.5	1.5	1	08/22/05	09/15/05	KWG0514192	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	70	20-161	09/15/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Kennedy/Jenks Consultants, Incorporated
Project: BNSF-Harborview/0496017
Sample Matrix: Soil

Service Request: K0503178
Date Collected: 08/17/2005
Date Received: 08/18/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: SS-07
Lab Code: K0503178-007
Extraction Method: EPA 3540C
Analysis Method: 8082

Units: ug/Kg
Basis: Dry
Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	6.7	1.6	1	08/22/05	09/15/05	KWG0514192	
Aroclor 1221	ND	U	14	1.6	1	08/22/05	09/15/05	KWG0514192	
Aroclor 1232	ND	U	6.7	1.6	1	08/22/05	09/15/05	KWG0514192	
Aroclor 1242	ND	U	6.7	1.6	1	08/22/05	09/15/05	KWG0514192	
Aroclor 1248	ND	U	6.7	1.6	1	08/22/05	09/15/05	KWG0514192	
Aroclor 1254	ND	U	6.7	1.6	1	08/22/05	09/15/05	KWG0514192	
Aroclor 1260	ND	U	6.7	1.6	1	08/22/05	09/15/05	KWG0514192	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	76	20-161	09/15/05	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Kennedy/Jenks Consultants, Incorporated
Project: BNSF-Harborview/0496017
Sample Matrix: Soil

Service Request: K0503178
Date Collected: 08/17/2005
Date Received: 08/18/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: SS-08
Lab Code: K0503178-008
Extraction Method: EPA 3540C
Analysis Method: 8082

Units: ug/Kg
Basis: Dry
Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	6.2	1.5	1	08/22/05	09/15/05	KWG0514192	
Aroclor 1221	ND	U	13	1.5	1	08/22/05	09/15/05	KWG0514192	
Aroclor 1232	ND	U	6.2	1.5	1	08/22/05	09/15/05	KWG0514192	
Aroclor 1242	ND	U	6.2	1.5	1	08/22/05	09/15/05	KWG0514192	
Aroclor 1248	ND	U	6.2	1.5	1	08/22/05	09/15/05	KWG0514192	
Aroclor 1254	ND	U	6.2	1.5	1	08/22/05	09/15/05	KWG0514192	
Aroclor 1260	ND	U	6.2	1.5	1	08/22/05	09/15/05	KWG0514192	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	66	20-161	09/15/05	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Kennedy/Jenks Consultants, Incorporated
Project: BNSF-Harborview/0496017
Sample Matrix: Soil

Service Request: K0503178
Date Collected: 08/17/2005
Date Received: 08/18/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: SS-09
Lab Code: K0503178-009
Extraction Method: EPA 3540C
Analysis Method: 8082

Units: ug/Kg
Basis: Dry
Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	6.9	1.6	1	08/22/05	09/15/05	KWG0514192	
Aroclor 1221	ND	U	14	1.6	1	08/22/05	09/15/05	KWG0514192	
Aroclor 1232	ND	U	6.9	1.6	1	08/22/05	09/15/05	KWG0514192	
Aroclor 1242	ND	U	6.9	1.6	1	08/22/05	09/15/05	KWG0514192	
Aroclor 1248	ND	U	6.9	1.6	1	08/22/05	09/15/05	KWG0514192	
Aroclor 1254	ND	U	6.9	1.6	1	08/22/05	09/15/05	KWG0514192	
Aroclor 1260	ND	U	6.9	1.6	1	08/22/05	09/15/05	KWG0514192	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	69	20-161	09/15/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Kennedy/Jenks Consultants, Incorporated
Project: BNSF-Harborview/0496017
Sample Matrix: Soil

Service Request: K0503178
Date Collected: 08/17/2005
Date Received: 08/18/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: SS-10
Lab Code: K0503178-010
Extraction Method: EPA 3540C
Analysis Method: 8082

Units: ug/Kg
Basis: Dry
Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	6.8	1.6	1	08/22/05	09/15/05	KWG0514192	
Aroclor 1221	ND	U	14	1.6	1	08/22/05	09/15/05	KWG0514192	
Aroclor 1232	ND	U	6.8	1.6	1	08/22/05	09/15/05	KWG0514192	
Aroclor 1242	ND	U	6.8	1.6	1	08/22/05	09/15/05	KWG0514192	
Aroclor 1248	ND	U	6.8	1.6	1	08/22/05	09/15/05	KWG0514192	
Aroclor 1254	ND	U	6.8	1.6	1	08/22/05	09/15/05	KWG0514192	
Aroclor 1260	ND	U	6.8	1.6	1	08/22/05	09/15/05	KWG0514192	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	71	20-161	09/15/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Kennedy/Jenks Consultants, Incorporated
Project: BNSF-Harborview/0496017
Sample Matrix: Soil

Service Request: K0503178
Date Collected: 08/17/2005
Date Received: 08/18/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: SS-11
Lab Code: K0503178-011
Extraction Method: EPA 3540C
Analysis Method: 8082

Units: ug/Kg
Basis: Dry
Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	7.0	1.6	1	08/22/05	09/15/05	KWG0514192	
Aroclor 1221	ND	U	14	1.6	1	08/22/05	09/15/05	KWG0514192	
Aroclor 1232	ND	U	7.0	1.6	1	08/22/05	09/15/05	KWG0514192	
Aroclor 1242	ND	U	7.0	1.6	1	08/22/05	09/15/05	KWG0514192	
Aroclor 1248	ND	U	7.0	1.6	1	08/22/05	09/15/05	KWG0514192	
Aroclor 1254	ND	U	7.0	1.6	1	08/22/05	09/15/05	KWG0514192	
Aroclor 1260	ND	U	7.0	1.6	1	08/22/05	09/15/05	KWG0514192	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	67	20-161	09/15/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Kennedy/Jenks Consultants, Incorporated
Project: BNSF-Harborview/0496017
Sample Matrix: Soil

Service Request: K0503178
Date Collected: 08/17/2005
Date Received: 08/18/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: SS-12
Lab Code: K0503178-012
Extraction Method: EPA 3540C
Analysis Method: 8082

Units: ug/Kg
Basis: Dry
Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	6.0	1.4	1	08/22/05	09/15/05	KWG0514192	
Aroclor 1221	ND	U	12	1.4	1	08/22/05	09/15/05	KWG0514192	
Aroclor 1232	ND	U	6.0	1.4	1	08/22/05	09/15/05	KWG0514192	
Aroclor 1242	ND	U	6.0	1.4	1	08/22/05	09/15/05	KWG0514192	
Aroclor 1248	ND	U	6.0	1.4	1	08/22/05	09/15/05	KWG0514192	
Aroclor 1254	ND	U	6.0	1.4	1	08/22/05	09/15/05	KWG0514192	
Aroclor 1260	ND	U	6.0	1.4	1	08/22/05	09/15/05	KWG0514192	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	72	20-161	09/15/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Kennedy/Jenks Consultants, Incorporated
Project: BNSF-Harborview/0496017
Sample Matrix: Soil

Service Request: K0503178
Date Collected: 08/17/2005
Date Received: 08/18/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: SS-13
Lab Code: K0503178-013
Extraction Method: EPA 3540C
Analysis Method: 8082

Units: ug/Kg
Basis: Dry
Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	6.6	1.6	1	08/22/05	09/15/05	KWG0514192	
Aroclor 1221	ND	U	14	1.6	1	08/22/05	09/15/05	KWG0514192	
Aroclor 1232	ND	U	6.6	1.6	1	08/22/05	09/15/05	KWG0514192	
Aroclor 1242	ND	U	6.6	1.6	1	08/22/05	09/15/05	KWG0514192	
Aroclor 1248	ND	U	6.6	1.6	1	08/22/05	09/15/05	KWG0514192	
Aroclor 1254	ND	U	6.6	1.6	1	08/22/05	09/15/05	KWG0514192	
Aroclor 1260	ND	U	6.6	1.6	1	08/22/05	09/15/05	KWG0514192	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	70	20-161	09/15/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Kennedy/Jenks Consultants, Incorporated
Project: BNSF-Harborview/0496017
Sample Matrix: Soil

Service Request: K0503178
Date Collected: NA
Date Received: NA

Polychlorinated Biphenyls (PCBs)

Sample Name: Method Blank
Lab Code: KWG0514192-4

Units: ug/Kg

Basis: Dry

Extraction Method: EPA 3540C

Level: Low

Analysis Method: 8082

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	4.6	1.3	1	08/22/05	09/15/05	KWG0514192	
Aroclor 1221	ND	U	9.1	1.3	1	08/22/05	09/15/05	KWG0514192	
Aroclor 1232	ND	U	4.6	1.3	1	08/22/05	09/15/05	KWG0514192	
Aroclor 1242	ND	U	4.6	1.3	1	08/22/05	09/15/05	KWG0514192	
Aroclor 1248	ND	U	4.6	1.3	1	08/22/05	09/15/05	KWG0514192	
Aroclor 1254	ND	U	4.6	1.3	1	08/22/05	09/15/05	KWG0514192	
Aroclor 1260	ND	U	4.6	1.3	1	08/22/05	09/15/05	KWG0514192	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	77	20-161	09/15/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Kennedy/Jenks Consultants, Incorporated
Project: BNSF-Harborview/0496017
Sample Matrix: Soil

Service Request: K0503178

Surrogate Recovery Summary
Polychlorinated Biphenyls (PCBs)

Extraction Method: EPA 3540C
Analysis Method: 8082

Units: PERCENT
Level: Low

<u>Sample Name</u>	<u>Lab Code</u>	<u>Sur1</u>
SS-01	K0503178-001	76
SS-02	K0503178-002	79
SS-03	K0503178-003	82
SS-04	K0503178-004	74
SS-05	K0503178-005	74
SS-06	K0503178-006	70
SS-07	K0503178-007	76
SS-08	K0503178-008	66
SS-09	K0503178-009	69
SS-10	K0503178-010	71
SS-11	K0503178-011	67
SS-12	K0503178-012	72
SS-13	K0503178-013	70
Method Blank	KWG0514192-4	77
SS-09MS	KWG0514192-1	69
SS-09DMS	KWG0514192-2	70
Lab Control Sample	KWG0514192-3	76

Surrogate Recovery Control Limits (%)

Sur1 = Decachlorobiphenyl 20-161

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Kennedy/Jenks Consultants, Incorporated
Project: BNSF-Harborview/0496017
Sample Matrix: Soil

Service Request: K0503178
Date Extracted: 08/22/2005
Date Analyzed: 09/15/2005

Matrix Spike/Duplicate Matrix Spike Summary
Polychlorinated Biphenyls (PCBs)

Sample Name: SS-09
Lab Code: K0503178-009
Extraction Method: EPA 3540C
Analysis Method: 8082

Units: ug/Kg
Basis: Dry
Level: Low
Extraction Lot: KWG0514192

Analyte Name	Sample Result	SS-09MS KWG0514192-1 Matrix Spike			SS-09DMS KWG0514192-2 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
Aroclor 1016	ND	130	137	95	138	137	100	33-155	6	50
Aroclor 1260	ND	132	137	97	138	137	101	36-161	5	50

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Kennedy/Jenks Consultants, Incorporated
Project: BNSF-Harborview/0496017
Sample Matrix: Soil

Service Request: K0503178
Date Extracted: 08/22/2005
Date Analyzed: 09/15/2005

Lab Control Spike Summary
Polychlorinated Biphenyls (PCBs)

Extraction Method: EPA 3540C
Analysis Method: 8082

Units: ug/Kg
Basis: Dry
Level: Low
Extraction Lot: KWG0514192

Lab Control Sample
KWG0514192-3
Lab Control Spike

Analyte Name	Result	Expected	%Rec	%Rec Limits
Aroclor 1016	209	200	104	43-141
Aroclor 1260	216	200	108	50-145

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Kennedy/Jenks Consultants, Incorporated
Project: BNSF-Harborview/0496017
Sample Matrix: Soil

Service Request: K0503178
Date Extracted: 08/22/2005
Date Analyzed: 09/15/2005
Time Analyzed: 03:23

Method Blank Summary
Polychlorinated Biphenyls (PCBs)

Sample Name: Method Blank
Lab Code: KWG0514192-4

File ID: J:\GC09\DATA\091405A.B\0914F050.D
Instrument ID: GC09.i

Extraction Method: EPA 3540C
Analysis Method: 8082

Level: Low
Extraction Lot: KWG0514192

This Method Blank applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Lab Control Sample	KWG0514192-3	J:\GC09\DATA\091405A.B\0914F051.D	09/15/05	03:50
SS-04	K0503178-004	J:\GC09\DATA\091405A.B\0914F055.D	09/15/05	05:35
SS-05	K0503178-005	J:\GC09\DATA\091405A.B\0914F056.D	09/15/05	06:02
SS-06	K0503178-006	J:\GC09\DATA\091405A.B\0914F057.D	09/15/05	06:29
SS-07	K0503178-007	J:\GC09\DATA\091405A.B\0914F058.D	09/15/05	06:55
SS-08	K0503178-008	J:\GC09\DATA\091405A.B\0914F062.D	09/15/05	08:55
SS-09	K0503178-009	J:\GC09\DATA\091405A.B\0914F063.D	09/15/05	09:22
SS-09MS	KWG0514192-1	J:\GC09\DATA\091405A.B\0914F064.D	09/15/05	09:49
SS-09DMS	KWG0514192-2	J:\GC09\DATA\091405A.B\0914F065.D	09/15/05	10:15
SS-10	K0503178-010	J:\GC09\DATA\091405A.B\0914F066.D	09/15/05	10:41
SS-11	K0503178-011	J:\GC09\DATA\091405A.B\0914F067.D	09/15/05	11:08
SS-12	K0503178-012	J:\GC09\DATA\091405A.B\0914F068.D	09/15/05	11:34
SS-13	K0503178-013	J:\GC09\DATA\091405A.B\0914F069.D	09/15/05	12:01
SS-01	K0503178-001	J:\GC09\DATA\091505.B\0915F003.D	09/15/05	20:52
SS-02	K0503178-002	J:\GC09\DATA\091605.B\0916F033.D	09/17/05	09:06
SS-03	K0503178-003	J:\GC09\DATA\091605.B\0916F034.D	09/17/05	09:33

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Kennedy/Jenks Consultants, Incorporated
Project: BNSF-Harborview/0496017
Sample Matrix: Soil

Service Request: K0503178
Date Extracted: 08/22/2005
Date Analyzed: 09/15/2005
Time Analyzed: 03:50

Lab Control Sample Summary
Polychlorinated Biphenyls (PCBs)

Sample Name: Lab Control Sample
Lab Code: KWG0514192-3
Extraction Method: EPA 3540C
Analysis Method: 8082

File ID: J:\GC09\DATA\091405A.B\0914F051.D
Instrument ID: GC09.i
Level: Low
Extraction Lot: KWG0514192

This Lab Control Sample applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Method Blank	KWG0514192-4	J:\GC09\DATA\091405A.B\0914F050.D	09/15/05	03:23
SS-04	K0503178-004	J:\GC09\DATA\091405A.B\0914F055.D	09/15/05	05:35
SS-05	K0503178-005	J:\GC09\DATA\091405A.B\0914F056.D	09/15/05	06:02
SS-06	K0503178-006	J:\GC09\DATA\091405A.B\0914F057.D	09/15/05	06:29
SS-07	K0503178-007	J:\GC09\DATA\091405A.B\0914F058.D	09/15/05	06:55
SS-08	K0503178-008	J:\GC09\DATA\091405A.B\0914F062.D	09/15/05	08:55
SS-09	K0503178-009	J:\GC09\DATA\091405A.B\0914F063.D	09/15/05	09:22
SS-09MS	KWG0514192-1	J:\GC09\DATA\091405A.B\0914F064.D	09/15/05	09:49
SS-09DMS	KWG0514192-2	J:\GC09\DATA\091405A.B\0914F065.D	09/15/05	10:15
SS-10	K0503178-010	J:\GC09\DATA\091405A.B\0914F066.D	09/15/05	10:41
SS-11	K0503178-011	J:\GC09\DATA\091405A.B\0914F067.D	09/15/05	11:08
SS-12	K0503178-012	J:\GC09\DATA\091405A.B\0914F068.D	09/15/05	11:34
SS-13	K0503178-013	J:\GC09\DATA\091405A.B\0914F069.D	09/15/05	12:01
SS-01	K0503178-001	J:\GC09\DATA\091505.B\0915F003.D	09/15/05	20:52
SS-02	K0503178-002	J:\GC09\DATA\091605.B\0916F033.D	09/17/05	09:06
SS-03	K0503178-003	J:\GC09\DATA\091605.B\0916F034.D	09/17/05	09:33

Semi-Volatile Organic Compounds
EPA Method 8270C

Organic Analysis:
Semi-Volatile Organic Compounds by GC/MS

Summary Package

Sample and QC Results

Client: Kennedy/Jenks Consultants, Incorporated
Project: BNSF-Harborview/0496017

Service Request: K0503178

**Cover Page - Organic Analysis Data Package
Semi-Volatile Organic Compounds by GC/MS**

Sample Name	Lab Code	Date Collected	Date Received
SS-01	K0503178-001	08/17/2005	08/18/2005
SS-02	K0503178-002	08/17/2005	08/18/2005
SS-03	K0503178-003	08/17/2005	08/18/2005
SS-04	K0503178-004	08/17/2005	08/18/2005
SS-05	K0503178-005	08/17/2005	08/18/2005
SS-06	K0503178-006	08/17/2005	08/18/2005
SS-07	K0503178-007	08/17/2005	08/18/2005
SS-08	K0503178-008	08/17/2005	08/18/2005
SS-09	K0503178-009	08/17/2005	08/18/2005
SS-10	K0503178-010	08/17/2005	08/18/2005
SS-11	K0503178-011	08/17/2005	08/18/2005
SS-12	K0503178-012	08/17/2005	08/18/2005
SS-13	K0503178-013	08/17/2005	08/18/2005
SS-06MS	KWG0514184-1	08/17/2005	08/18/2005
SS-06DMS	KWG0514184-2	08/17/2005	08/18/2005

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: _____

Name: _____

Date: _____

Title: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Kennedy/Jenks Consultants, Incorporated
Project: BNSF-Harborview/0496017
Sample Matrix: Soil

Service Request: K0503178
Date Collected: 08/17/2005
Date Received: 08/18/2005

Semi-Volatile Organic Compounds by GC/MS

Sample Name: SS-01
Lab Code: K0503178-001
Extraction Method: EPA 3541
Analysis Method: 8270C

Units: ug/Kg
Basis: Dry
Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Phenol	3.3	J	21	2.6	1	08/21/05	09/08/05	KWG0514184	
1,4-Dichlorobenzene	ND	U	6.9	2.6	1	08/21/05	09/08/05	KWG0514184	
1,2-Dichlorobenzene	ND	U	6.9	1.8	1	08/21/05	09/08/05	KWG0514184	
Benzyl Alcohol	ND	U	6.9	5.1	1	08/21/05	09/08/05	KWG0514184	
2-Methylphenol	ND	U	6.9	4.7	1	08/21/05	09/08/05	KWG0514184	
4-Methylphenol†	ND	U	6.9	4.0	1	08/21/05	09/08/05	KWG0514184	
2,4-Dimethylphenol	ND	U	35	7.6	1	08/21/05	09/08/05	KWG0514184	
Benzoic Acid	ND	U	140	140	1	08/21/05	09/08/05	KWG0514184	
1,2,4-Trichlorobenzene	ND	U	6.9	2.1	1	08/21/05	09/08/05	KWG0514184	
Naphthalene	ND	U	6.9	1.8	1	08/21/05	09/08/05	KWG0514184	
Hexachlorobutadiene	ND	U	6.9	2.0	1	08/21/05	09/08/05	KWG0514184	
2-Methylnaphthalene	ND	U	6.9	1.7	1	08/21/05	09/08/05	KWG0514184	
Acenaphthylene	ND	U	6.9	2.0	1	08/21/05	09/08/05	KWG0514184	
Dimethyl Phthalate	ND	U	6.9	2.5	1	08/21/05	09/08/05	KWG0514184	
Acenaphthene	ND	U	6.9	1.4	1	08/21/05	09/08/05	KWG0514184	
Dibenzofuran	ND	U	6.9	1.8	1	08/21/05	09/08/05	KWG0514184	
Fluorene	ND	U	6.9	2.4	1	08/21/05	09/08/05	KWG0514184	
Diethyl Phthalate	ND	U	6.9	4.8	1	08/21/05	09/08/05	KWG0514184	
N-Nitrosodiphenylamine	ND	U	6.9	3.1	1	08/21/05	09/08/05	KWG0514184	
Hexachlorobenzene	ND	U	6.9	2.9	1	08/21/05	09/08/05	KWG0514184	
Pentachlorophenol	ND	U	69	12	1	08/21/05	09/08/05	KWG0514184	
Phenanthrene	ND	U	6.9	1.8	1	08/21/05	09/08/05	KWG0514184	
Anthracene	ND	U	6.9	2.0	1	08/21/05	09/08/05	KWG0514184	
Di-n-butyl Phthalate	3.8	J	6.9	3.6	1	08/21/05	09/08/05	KWG0514184	
Fluoranthene	ND	U	6.9	3.1	1	08/21/05	09/08/05	KWG0514184	
Pyrene	2.4	J	6.9	1.8	1	08/21/05	09/08/05	KWG0514184	
Butyl Benzyl Phthalate	ND	U	6.9	2.1	1	08/21/05	09/08/05	KWG0514184	
Benz(a)anthracene	ND	U	6.9	2.0	1	08/21/05	09/08/05	KWG0514184	
Chrysene	ND	U	6.9	2.0	1	08/21/05	09/08/05	KWG0514184	
Bis(2-ethylhexyl) Phthalate	13	J	140	2.4	1	08/21/05	09/08/05	KWG0514184	
Di-n-octyl Phthalate	ND	U	6.9	1.7	1	08/21/05	09/08/05	KWG0514184	
Benzo(b)fluoranthene	ND	U	6.9	3.5	1	08/21/05	09/08/05	KWG0514184	
Benzo(k)fluoranthene	ND	U	6.9	3.5	1	08/21/05	09/08/05	KWG0514184	
Benzo(a)pyrene	ND	U	6.9	2.2	1	08/21/05	09/08/05	KWG0514184	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Kennedy/Jenks Consultants, Incorporated
Project: BNSF-Harborview/0496017
Sample Matrix: Soil

Service Request: K0503178
Date Collected: 08/17/2005
Date Received: 08/18/2005

Semi-Volatile Organic Compounds by GC/MS

Sample Name: SS-01
Lab Code: K0503178-001
Extraction Method: EPA 3541
Analysis Method: 8270C

Units: ug/Kg
Basis: Dry
Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Indeno(1,2,3-cd)pyrene	ND	U	6.9	2.6	1	08/21/05	09/08/05	KWG0514184	
Dibenz(a,h)anthracene	ND	U	6.9	3.1	1	08/21/05	09/08/05	KWG0514184	
Benzo(g,h,i)perylene	ND	U	6.9	3.2	1	08/21/05	09/08/05	KWG0514184	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	51	11-87	09/08/05	Acceptable
Phenol-d6	63	20-99	09/08/05	Acceptable
Nitrobenzene-d5	51	10-99	09/08/05	Acceptable
2-Fluorobiphenyl	41	10-104	09/08/05	Acceptable
2,4,6-Tribromophenol	67	23-113	09/08/05	Acceptable
Terphenyl-d14	71	39-124	09/08/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Kennedy/Jenks Consultants, Incorporated
Project: BNSF-Harborview/0496017
Sample Matrix: Soil

Service Request: K0503178
Date Collected: 08/17/2005
Date Received: 08/18/2005

Semi-Volatile Organic Compounds by GC/MS

Sample Name: SS-02
Lab Code: K0503178-002
Extraction Method: EPA 3541
Analysis Method: 8270C

Units: ug/Kg
Basis: Dry
Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Phenol	13	J	20	2.6	1	08/21/05	09/08/05	KWG0514184	
1,4-Dichlorobenzene	ND	U	6.7	2.6	1	08/21/05	09/08/05	KWG0514184	
1,2-Dichlorobenzene	ND	U	6.7	1.8	1	08/21/05	09/08/05	KWG0514184	
Benzyl Alcohol	ND	U	6.7	5.0	1	08/21/05	09/08/05	KWG0514184	
2-Methylphenol	ND	U	6.7	4.6	1	08/21/05	09/08/05	KWG0514184	
4-Methylphenol†	ND	U	6.7	3.9	1	08/21/05	09/08/05	KWG0514184	
2,4-Dimethylphenol	ND	U	34	7.4	1	08/21/05	09/08/05	KWG0514184	
Benzoic Acid	ND	U	140	130	1	08/21/05	09/08/05	KWG0514184	
1,2,4-Trichlorobenzene	ND	U	6.7	2.0	1	08/21/05	09/08/05	KWG0514184	
Naphthalene	ND	U	6.7	1.8	1	08/21/05	09/08/05	KWG0514184	
Hexachlorobutadiene	ND	U	6.7	1.9	1	08/21/05	09/08/05	KWG0514184	
2-Methylnaphthalene	ND	U	6.7	1.6	1	08/21/05	09/08/05	KWG0514184	
Acenaphthylene	ND	U	6.7	1.9	1	08/21/05	09/08/05	KWG0514184	
Dimethyl Phthalate	ND	U	6.7	2.4	1	08/21/05	09/08/05	KWG0514184	
Acenaphthene	ND	U	6.7	1.4	1	08/21/05	09/08/05	KWG0514184	
Dibenzofuran	ND	U	6.7	1.8	1	08/21/05	09/08/05	KWG0514184	
Fluorene	3.2	J	6.7	2.3	1	08/21/05	09/08/05	KWG0514184	
Diethyl Phthalate	ND	U	6.7	4.7	1	08/21/05	09/08/05	KWG0514184	
N-Nitrosodiphenylamine	ND	U	6.7	3.0	1	08/21/05	09/08/05	KWG0514184	
Hexachlorobenzene	ND	U	6.7	2.8	1	08/21/05	09/08/05	KWG0514184	
Pentachlorophenol	ND	U	67	12	1	08/21/05	09/08/05	KWG0514184	
Phenanthrene	17		6.7	1.8	1	08/21/05	09/08/05	KWG0514184	
Anthracene	10		6.7	1.9	1	08/21/05	09/08/05	KWG0514184	
Di-n-butyl Phthalate	3.7	J	6.7	3.5	1	08/21/05	09/08/05	KWG0514184	
Fluoranthene	14		6.7	3.0	1	08/21/05	09/08/05	KWG0514184	
Pyrene	19		6.7	1.8	1	08/21/05	09/08/05	KWG0514184	
Butyl Benzyl Phthalate	ND	U	6.7	2.0	1	08/21/05	09/08/05	KWG0514184	
Benz(a)anthracene	26		6.7	1.9	1	08/21/05	09/08/05	KWG0514184	
Chrysene	45		6.7	1.9	1	08/21/05	09/08/05	KWG0514184	
Bis(2-ethylhexyl) Phthalate	6.9	J	140	2.3	1	08/21/05	09/08/05	KWG0514184	
Di-n-octyl Phthalate	ND	U	6.7	1.6	1	08/21/05	09/08/05	KWG0514184	
Benzo(b)fluoranthene	42		6.7	3.4	1	08/21/05	09/08/05	KWG0514184	
Benzo(k)fluoranthene	18		6.7	3.4	1	08/21/05	09/08/05	KWG0514184	
Benzo(a)pyrene	31		6.7	2.2	1	08/21/05	09/08/05	KWG0514184	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Kennedy/Jenks Consultants, Incorporated
Project: BNSF-Harborview/0496017
Sample Matrix: Soil

Service Request: K0503178
Date Collected: 08/17/2005
Date Received: 08/18/2005

Semi-Volatile Organic Compounds by GC/MS

Sample Name: SS-02
Lab Code: K0503178-002
Extraction Method: EPA 3541
Analysis Method: 8270C

Units: ug/Kg
Basis: Dry
Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Indeno(1,2,3-cd)pyrene	20		6.7	2.6	1	08/21/05	09/08/05	KWG0514184	
Dibenz(a,h)anthracene	5.4	J	6.7	3.0	1	08/21/05	09/08/05	KWG0514184	
Benzo(g,h,i)perylene	19		6.7	3.1	1	08/21/05	09/08/05	KWG0514184	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	47	11-87	09/08/05	Acceptable
Phenol-d6	57	20-99	09/08/05	Acceptable
Nitrobenzene-d5	52	10-99	09/08/05	Acceptable
2-Fluorobiphenyl	47	10-104	09/08/05	Acceptable
2,4,6-Tribromophenol	58	23-113	09/08/05	Acceptable
Terphenyl-d14	71	39-124	09/08/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Kennedy/Jenks Consultants, Incorporated
Project: BNSF-Harborview/0496017
Sample Matrix: Soil

Service Request: K0503178
Date Collected: 08/17/2005
Date Received: 08/18/2005

Semi-Volatile Organic Compounds by GC/MS

Sample Name: SS-03
Lab Code: K0503178-003

Units: ug/Kg

Basis: Dry

Extraction Method: EPA 3541

Level: Low

Analysis Method: 8270C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Phenol	5.3	J	25	3.1	1	08/21/05	09/08/05	KWG0514184	
1,4-Dichlorobenzene	ND	U	8.2	3.1	1	08/21/05	09/08/05	KWG0514184	
1,2-Dichlorobenzene	ND	U	8.2	2.2	1	08/21/05	09/08/05	KWG0514184	
Benzyl Alcohol	ND	U	8.2	6.1	1	08/21/05	09/08/05	KWG0514184	
2-Methylphenol	ND	U	8.2	5.6	1	08/21/05	09/08/05	KWG0514184	
4-Methylphenol†	ND	U	8.2	4.8	1	08/21/05	09/08/05	KWG0514184	
2,4-Dimethylphenol	ND	U	41	9.0	1	08/21/05	09/08/05	KWG0514184	
Benzoic Acid	ND	U	170	160	1	08/21/05	09/08/05	KWG0514184	
1,2,4-Trichlorobenzene	ND	U	8.2	2.5	1	08/21/05	09/08/05	KWG0514184	
Naphthalene	ND	U	8.2	2.2	1	08/21/05	09/08/05	KWG0514184	
Hexachlorobutadiene	ND	U	8.2	2.3	1	08/21/05	09/08/05	KWG0514184	
2-Methylnaphthalene	ND	U	8.2	2.0	1	08/21/05	09/08/05	KWG0514184	
Acenaphthylene	2.3	J	8.2	2.3	1	08/21/05	09/08/05	KWG0514184	
Dimethyl Phthalate	ND	U	8.2	3.0	1	08/21/05	09/08/05	KWG0514184	
Acenaphthene	ND	U	8.2	1.7	1	08/21/05	09/08/05	KWG0514184	
Dibenzofuran	ND	U	8.2	2.2	1	08/21/05	09/08/05	KWG0514184	
Fluorene	ND	U	8.2	2.8	1	08/21/05	09/08/05	KWG0514184	
Diethyl Phthalate	ND	U	8.2	5.8	1	08/21/05	09/08/05	KWG0514184	
N-Nitrosodiphenylamine	ND	U	8.2	3.6	1	08/21/05	09/08/05	KWG0514184	
Hexachlorobenzene	ND	U	8.2	3.5	1	08/21/05	09/08/05	KWG0514184	
Pentachlorophenol	ND	U	82	14	1	08/21/05	09/08/05	KWG0514184	
Phenanthrene	14		8.2	2.2	1	08/21/05	09/08/05	KWG0514184	
Anthracene	6.2	J	8.2	2.3	1	08/21/05	09/08/05	KWG0514184	
Di-n-butyl Phthalate	4.3	J	8.2	4.3	1	08/21/05	09/08/05	KWG0514184	
Fluoranthene	30		8.2	3.6	1	08/21/05	09/08/05	KWG0514184	
Pyrene	29		8.2	2.2	1	08/21/05	09/08/05	KWG0514184	
Butyl Benzyl Phthalate	ND	U	8.2	2.5	1	08/21/05	09/08/05	KWG0514184	
Benz(a)anthracene	18		8.2	2.3	1	08/21/05	09/08/05	KWG0514184	
Chrysene	24		8.2	2.3	1	08/21/05	09/08/05	KWG0514184	
Bis(2-ethylhexyl) Phthalate	8.0	J	170	2.8	1	08/21/05	09/08/05	KWG0514184	
Di-n-octyl Phthalate	ND	U	8.2	2.0	1	08/21/05	09/08/05	KWG0514184	
Benzo(b)fluoranthene	26		8.2	4.1	1	08/21/05	09/08/05	KWG0514184	
Benzo(k)fluoranthene	9.2		8.2	4.1	1	08/21/05	09/08/05	KWG0514184	
Benzo(a)pyrene	20		8.2	2.7	1	08/21/05	09/08/05	KWG0514184	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Kennedy/Jenks Consultants, Incorporated
Project: BNSF-Harborview/0496017
Sample Matrix: Soil

Service Request: K0503178
Date Collected: 08/17/2005
Date Received: 08/18/2005

Semi-Volatile Organic Compounds by GC/MS

Sample Name: SS-03
Lab Code: K0503178-003
Extraction Method: EPA 3541
Analysis Method: 8270C

Units: ug/Kg
Basis: Dry
Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Indeno(1,2,3-cd)pyrene	15		8.2	3.1	1	08/21/05	09/08/05	KWG0514184	
Dibenz(a,h)anthracene	ND	U	8.2	3.6	1	08/21/05	09/08/05	KWG0514184	
Benzo(g,h,i)perylene	14		8.2	3.8	1	08/21/05	09/08/05	KWG0514184	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	47	11-87	09/08/05	Acceptable
Phenol-d6	61	20-99	09/08/05	Acceptable
Nitrobenzene-d5	48	10-99	09/08/05	Acceptable
2-Fluorobiphenyl	25	10-104	09/08/05	Acceptable
2,4,6-Tribromophenol	56	23-113	09/08/05	Acceptable
Terphenyl-d14	55	39-124	09/08/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Kennedy/Jenks Consultants, Incorporated
Project: BNSF-Harborview/0496017
Sample Matrix: Soil

Service Request: K0503178
Date Collected: 08/17/2005
Date Received: 08/18/2005

Semi-Volatile Organic Compounds by GC/MS

Sample Name: SS-04
Lab Code: K0503178-004
Extraction Method: EPA 3541
Analysis Method: 8270C

Units: ug/Kg
Basis: Dry
Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Phenol	3.4	J	17	2.2	1	08/21/05	09/08/05	KWG0514184	
1,4-Dichlorobenzene	ND	U	5.6	2.2	1	08/21/05	09/08/05	KWG0514184	
1,2-Dichlorobenzene	ND	U	5.6	1.5	1	08/21/05	09/08/05	KWG0514184	
Benzyl Alcohol	ND	U	5.6	4.2	1	08/21/05	09/08/05	KWG0514184	
2-Methylphenol	ND	U	5.6	3.8	1	08/21/05	09/08/05	KWG0514184	
4-Methylphenol†	ND	U	5.6	3.3	1	08/21/05	09/08/05	KWG0514184	
2,4-Dimethylphenol	ND	U	28	6.2	1	08/21/05	09/08/05	KWG0514184	
Benzoic Acid	ND	U	120	110	1	08/21/05	09/08/05	KWG0514184	
1,2,4-Trichlorobenzene	ND	U	5.6	1.7	1	08/21/05	09/08/05	KWG0514184	
Naphthalene	4.5	J	5.6	1.5	1	08/21/05	09/08/05	KWG0514184	
Hexachlorobutadiene	ND	U	5.6	1.6	1	08/21/05	09/08/05	KWG0514184	
2-Methylnaphthalene	ND	U	5.6	1.4	1	08/21/05	09/08/05	KWG0514184	
Acenaphthylene	ND	U	5.6	1.6	1	08/21/05	09/08/05	KWG0514184	
Dimethyl Phthalate	ND	U	5.6	2.1	1	08/21/05	09/08/05	KWG0514184	
Acenaphthene	ND	U	5.6	1.2	1	08/21/05	09/08/05	KWG0514184	
Dibenzofuran	1.8	J	5.6	1.5	1	08/21/05	09/08/05	KWG0514184	
Fluorene	ND	U	5.6	1.9	1	08/21/05	09/08/05	KWG0514184	
Diethyl Phthalate	ND	U	5.6	4.0	1	08/21/05	09/08/05	KWG0514184	
N-Nitrosodiphenylamine	ND	U	5.6	2.5	1	08/21/05	09/08/05	KWG0514184	
Hexachlorobenzene	ND	U	5.6	2.4	1	08/21/05	09/08/05	KWG0514184	
Pentachlorophenol	ND	U	56	9.5	1	08/21/05	09/08/05	KWG0514184	
Phenanthrene	2.2	J	5.6	1.5	1	08/21/05	09/08/05	KWG0514184	
Anthracene	ND	U	5.6	1.6	1	08/21/05	09/08/05	KWG0514184	
Di-n-butyl Phthalate	ND	U	5.6	3.0	1	08/21/05	09/08/05	KWG0514184	
Fluoranthene	3.2	J	5.6	2.5	1	08/21/05	09/08/05	KWG0514184	
Pyrene	12		5.6	1.5	1	08/21/05	09/08/05	KWG0514184	
Butyl Benzyl Phthalate	ND	U	5.6	1.7	1	08/21/05	09/08/05	KWG0514184	
Benz(a)anthracene	ND	U	5.6	1.6	1	08/21/05	09/08/05	KWG0514184	
Chrysene	ND	U	5.6	1.6	1	08/21/05	09/08/05	KWG0514184	
Bis(2-ethylhexyl) Phthalate	3.4	J	120	1.9	1	08/21/05	09/08/05	KWG0514184	
Di-n-octyl Phthalate	ND	U	5.6	1.4	1	08/21/05	09/08/05	KWG0514184	
Benzo(b)fluoranthene	3.1	J	5.6	2.8	1	08/21/05	09/08/05	KWG0514184	
Benzo(k)fluoranthene	ND	U	5.6	2.8	1	08/21/05	09/08/05	KWG0514184	
Benzo(a)pyrene	1.9	J	5.6	1.8	1	08/21/05	09/08/05	KWG0514184	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Kennedy/Jenks Consultants, Incorporated
Project: BNSF-Harborview/0496017
Sample Matrix: Soil

Service Request: K0503178
Date Collected: 08/17/2005
Date Received: 08/18/2005

Semi-Volatile Organic Compounds by GC/MS

Sample Name: SS-04
Lab Code: K0503178-004
Extraction Method: EPA 3541
Analysis Method: 8270C

Units: ug/Kg
Basis: Dry
Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Indeno(1,2,3-cd)pyrene	ND	U	5.6	2.2	1	08/21/05	09/08/05	KWG0514184	
Dibenz(a,h)anthracene	ND	U	5.6	2.5	1	08/21/05	09/08/05	KWG0514184	
Benzo(g,h,i)perylene	ND	U	5.6	2.6	1	08/21/05	09/08/05	KWG0514184	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	37	11-87	09/08/05	Acceptable
Phenol-d6	56	20-99	09/08/05	Acceptable
Nitrobenzene-d5	32	10-99	09/08/05	Acceptable
2-Fluorobiphenyl	45	10-104	09/08/05	Acceptable
2,4,6-Tribromophenol	59	23-113	09/08/05	Acceptable
Terphenyl-d14	75	39-124	09/08/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Kennedy/Jenks Consultants, Incorporated
Project: BNSF-Harborview/0496017
Sample Matrix: Soil

Service Request: K0503178
Date Collected: 08/17/2005
Date Received: 08/18/2005

Semi-Volatile Organic Compounds by GC/MS

Sample Name: SS-05
Lab Code: K0503178-005
Extraction Method: EPA 3541
Analysis Method: 8270C

Units: ug/Kg
Basis: Dry
Level: Low

Analyte Name	Result Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Phenol	ND U	17	2.2	1	08/21/05	09/08/05	KWG0514184	
1,4-Dichlorobenzene	ND U	5.6	2.2	1	08/21/05	09/08/05	KWG0514184	
1,2-Dichlorobenzene	ND U	5.6	1.5	1	08/21/05	09/08/05	KWG0514184	
Benzyl Alcohol	ND U	5.6	4.2	1	08/21/05	09/08/05	KWG0514184	
2-Methylphenol	ND U	5.6	3.9	1	08/21/05	09/08/05	KWG0514184	
4-Methylphenol†	ND U	5.6	3.3	1	08/21/05	09/08/05	KWG0514184	
2,4-Dimethylphenol	ND U	28	6.2	1	08/21/05	09/08/05	KWG0514184	
Benzoic Acid	ND U	120	110	1	08/21/05	09/08/05	KWG0514184	
1,2,4-Trichlorobenzene	ND U	5.6	1.7	1	08/21/05	09/08/05	KWG0514184	
Naphthalene	3.8 J	5.6	1.5	1	08/21/05	09/08/05	KWG0514184	
Hexachlorobutadiene	ND U	5.6	1.6	1	08/21/05	09/08/05	KWG0514184	
2-Methylnaphthalene	ND U	5.6	1.4	1	08/21/05	09/08/05	KWG0514184	
Acenaphthylene	ND U	5.6	1.6	1	08/21/05	09/08/05	KWG0514184	
Dimethyl Phthalate	ND U	5.6	2.1	1	08/21/05	09/08/05	KWG0514184	
Acenaphthene	ND U	5.6	1.2	1	08/21/05	09/08/05	KWG0514184	
Dibenzofuran	ND U	5.6	1.5	1	08/21/05	09/08/05	KWG0514184	
Fluorene	ND U	5.6	2.0	1	08/21/05	09/08/05	KWG0514184	
Diethyl Phthalate	ND U	5.6	4.0	1	08/21/05	09/08/05	KWG0514184	
N-Nitrosodiphenylamine	ND U	5.6	2.5	1	08/21/05	09/08/05	KWG0514184	
Hexachlorobenzene	ND U	5.6	2.4	1	08/21/05	09/08/05	KWG0514184	
Pentachlorophenol	ND U	56	9.6	1	08/21/05	09/08/05	KWG0514184	
Phenanthrene	2.9 J	5.6	1.5	1	08/21/05	09/08/05	KWG0514184	
Anthracene	ND U	5.6	1.6	1	08/21/05	09/08/05	KWG0514184	
Di-n-butyl Phthalate	ND U	5.6	3.0	1	08/21/05	09/08/05	KWG0514184	
Fluoranthene	6.3	5.6	2.5	1	08/21/05	09/08/05	KWG0514184	
Pyrene	6.2	5.6	1.5	1	08/21/05	09/08/05	KWG0514184	
Butyl Benzyl Phthalate	ND U	5.6	1.7	1	08/21/05	09/08/05	KWG0514184	
Benz(a)anthracene	3.9 J	5.6	1.6	1	08/21/05	09/08/05	KWG0514184	
Chrysene	5.1 J	5.6	1.6	1	08/21/05	09/08/05	KWG0514184	
Bis(2-ethylhexyl) Phthalate	7.5 J	120	2.0	1	08/21/05	09/08/05	KWG0514184	
Di-n-octyl Phthalate	ND U	5.6	1.4	1	08/21/05	09/08/05	KWG0514184	
Benzo(b)fluoranthene	6.9	5.6	2.8	1	08/21/05	09/08/05	KWG0514184	
Benzo(k)fluoranthene	ND U	5.6	2.8	1	08/21/05	09/08/05	KWG0514184	
Benzo(a)pyrene	5.0 J	5.6	1.8	1	08/21/05	09/08/05	KWG0514184	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Kennedy/Jenks Consultants, Incorporated
Project: BNSF-Harborview/0496017
Sample Matrix: Soil

Service Request: K0503178
Date Collected: 08/17/2005
Date Received: 08/18/2005

Semi-Volatile Organic Compounds by GC/MS

Sample Name: SS-05
Lab Code: K0503178-005
Extraction Method: EPA 3541
Analysis Method: 8270C

Units: ug/Kg
Basis: Dry
Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Indeno(1,2,3-cd)pyrene	4.2	J	5.6	2.2	1	08/21/05	09/08/05	KWG0514184	
Dibenz(a,h)anthracene	ND	U	5.6	2.5	1	08/21/05	09/08/05	KWG0514184	
Benzo(g,h,i)perylene	4.5	J	5.6	2.6	1	08/21/05	09/08/05	KWG0514184	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	22	11-87	09/08/05	Acceptable
Phenol-d6	46	20-99	09/08/05	Acceptable
Nitrobenzene-d5	11	10-99	09/08/05	Acceptable
2-Fluorobiphenyl	11	10-104	09/08/05	Acceptable
2,4,6-Tribromophenol	59	23-113	09/08/05	Acceptable
Terphenyl-d14	66	39-124	09/08/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Kennedy/Jenks Consultants, Incorporated
Project: BNSF-Harborview/0496017
Sample Matrix: Soil

Service Request: K0503178
Date Collected: 08/17/2005
Date Received: 08/18/2005

Semi-Volatile Organic Compounds by GC/MS

Sample Name: SS-06
Lab Code: K0503178-006
Extraction Method: EPA 3541
Analysis Method: 8270C

Units: ug/Kg
Basis: Dry
Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Phenol	ND	U	18	2.2	1	08/21/05	09/08/05	KWG0514184	
1,4-Dichlorobenzene	ND	U	5.8	2.2	1	08/21/05	09/08/05	KWG0514184	
1,2-Dichlorobenzene	ND	U	5.8	1.5	1	08/21/05	09/08/05	KWG0514184	
Benzyl Alcohol	ND	U	5.8	4.3	1	08/21/05	09/08/05	KWG0514184	
2-Methylphenol	ND	U	5.8	3.9	1	08/21/05	09/08/05	KWG0514184	
4-Methylphenol†	ND	U	5.8	3.4	1	08/21/05	09/08/05	KWG0514184	
2,4-Dimethylphenol	ND	U	29	6.3	1	08/21/05	09/08/05	KWG0514184	
Benzoic Acid	ND	U	120	110	1	08/21/05	09/08/05	KWG0514184	
1,2,4-Trichlorobenzene	ND	U	5.8	1.8	1	08/21/05	09/08/05	KWG0514184	
Naphthalene	ND	U	5.8	1.5	1	08/21/05	09/08/05	KWG0514184	
Hexachlorobutadiene	ND	U	5.8	1.6	1	08/21/05	09/08/05	KWG0514184	
2-Methylnaphthalene	ND	U	5.8	1.4	1	08/21/05	09/08/05	KWG0514184	
Acenaphthylene	ND	U	5.8	1.6	1	08/21/05	09/08/05	KWG0514184	
Dimethyl Phthalate	ND	U	5.8	2.1	1	08/21/05	09/08/05	KWG0514184	
Acenaphthene	ND	U	5.8	1.2	1	08/21/05	09/08/05	KWG0514184	
Dibenzofuran	ND	U	5.8	1.5	1	08/21/05	09/08/05	KWG0514184	
Fluorene	ND	U	5.8	2.0	1	08/21/05	09/08/05	KWG0514184	
Diethyl Phthalate	ND	U	5.8	4.0	1	08/21/05	09/08/05	KWG0514184	
N-Nitrosodiphenylamine	ND	U	5.8	2.6	1	08/21/05	09/08/05	KWG0514184	
Hexachlorobenzene	ND	U	5.8	2.4	1	08/21/05	09/08/05	KWG0514184	
Pentachlorophenol	ND	U	58	9.8	1	08/21/05	09/08/05	KWG0514184	
Phenanthrene	ND	U	5.8	1.5	1	08/21/05	09/08/05	KWG0514184	
Anthracene	ND	U	5.8	1.6	1	08/21/05	09/08/05	KWG0514184	
Di-n-butyl Phthalate	4.7	J	5.8	3.0	1	08/21/05	09/08/05	KWG0514184	
Fluoranthene	2.9	J	5.8	2.6	1	08/21/05	09/08/05	KWG0514184	
Pyrene	2.5	J	5.8	1.5	1	08/21/05	09/08/05	KWG0514184	
Butyl Benzyl Phthalate	ND	U	5.8	1.8	1	08/21/05	09/08/05	KWG0514184	
Benz(a)anthracene	ND	U	5.8	1.6	1	08/21/05	09/08/05	KWG0514184	
Chrysene	2.2	J	5.8	1.6	1	08/21/05	09/08/05	KWG0514184	
Bis(2-ethylhexyl) Phthalate	110	J	120	2.0	1	08/21/05	09/08/05	KWG0514184	
Di-n-octyl Phthalate	ND	U	5.8	1.4	1	08/21/05	09/08/05	KWG0514184	
Benzo(b)fluoranthene	ND	U	5.8	2.9	1	08/21/05	09/08/05	KWG0514184	
Benzo(k)fluoranthene	ND	U	5.8	2.9	1	08/21/05	09/08/05	KWG0514184	
Benzo(a)pyrene	2.0	J	5.8	1.9	1	08/21/05	09/08/05	KWG0514184	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Kennedy/Jenks Consultants, Incorporated
Project: BNSF-Harborview/0496017
Sample Matrix: Soil

Service Request: K0503178
Date Collected: 08/17/2005
Date Received: 08/18/2005

Semi-Volatile Organic Compounds by GC/MS

Sample Name: SS-06
Lab Code: K0503178-006
Extraction Method: EPA 3541
Analysis Method: 8270C

Units: ug/Kg
Basis: Dry
Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Indeno(1,2,3-cd)pyrene	ND	U	5.8	2.2	1	08/21/05	09/08/05	KWG0514184	
Dibenz(a,h)anthracene	ND	U	5.8	2.6	1	08/21/05	09/08/05	KWG0514184	
Benzo(g,h,i)perylene	ND	U	5.8	2.7	1	08/21/05	09/08/05	KWG0514184	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	30	11-87	09/08/05	Acceptable
Phenol-d6	52	20-99	09/08/05	Acceptable
Nitrobenzene-d5	20	10-99	09/08/05	Acceptable
2-Fluorobiphenyl	24	10-104	09/08/05	Acceptable
2,4,6-Tribromophenol	60	23-113	09/08/05	Acceptable
Terphenyl-d14	74	39-124	09/08/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Kennedy/Jenks Consultants, Incorporated
Project: BNSF-Harborview/0496017
Sample Matrix: Soil

Service Request: K0503178
Date Collected: 08/17/2005
Date Received: 08/18/2005

Semi-Volatile Organic Compounds by GC/MS

Sample Name: SS-07
Lab Code: K0503178-007
Extraction Method: EPA 3541
Analysis Method: 8270C

Units: ug/Kg
Basis: Dry
Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Phenol	ND	U	18	2.3	1	08/21/05	09/08/05	KWG0514184	
1,4-Dichlorobenzene	ND	U	5.9	2.3	1	08/21/05	09/08/05	KWG0514184	
1,2-Dichlorobenzene	ND	U	5.9	1.6	1	08/21/05	09/08/05	KWG0514184	
Benzyl Alcohol	ND	U	5.9	4.4	1	08/21/05	09/08/05	KWG0514184	
2-Methylphenol	ND	U	5.9	4.0	1	08/21/05	09/08/05	KWG0514184	
4-Methylphenol†	ND	U	5.9	3.4	1	08/21/05	09/08/05	KWG0514184	
2,4-Dimethylphenol	ND	U	30	6.5	1	08/21/05	09/08/05	KWG0514184	
Benzoic Acid	ND	U	120	120	1	08/21/05	09/08/05	KWG0514184	
1,2,4-Trichlorobenzene	ND	U	5.9	1.8	1	08/21/05	09/08/05	KWG0514184	
Naphthalene	ND	U	5.9	1.6	1	08/21/05	09/08/05	KWG0514184	
Hexachlorobutadiene	ND	U	5.9	1.7	1	08/21/05	09/08/05	KWG0514184	
2-Methylnaphthalene	ND	U	5.9	1.5	1	08/21/05	09/08/05	KWG0514184	
Acenaphthylene	ND	U	5.9	1.7	1	08/21/05	09/08/05	KWG0514184	
Dimethyl Phthalate	ND	U	5.9	2.2	1	08/21/05	09/08/05	KWG0514184	
Acenaphthene	ND	U	5.9	1.2	1	08/21/05	09/08/05	KWG0514184	
Dibenzofuran	ND	U	5.9	1.6	1	08/21/05	09/08/05	KWG0514184	
Fluorene	ND	U	5.9	2.0	1	08/21/05	09/08/05	KWG0514184	
Diethyl Phthalate	ND	U	5.9	4.1	1	08/21/05	09/08/05	KWG0514184	
N-Nitrosodiphenylamine	ND	U	5.9	2.6	1	08/21/05	09/08/05	KWG0514184	
Hexachlorobenzene	ND	U	5.9	2.5	1	08/21/05	09/08/05	KWG0514184	
Pentachlorophenol	ND	U	59	10	1	08/21/05	09/08/05	KWG0514184	
Phenanthrene	ND	U	5.9	1.6	1	08/21/05	09/08/05	KWG0514184	
Anthracene	ND	U	5.9	1.7	1	08/21/05	09/08/05	KWG0514184	
Di-n-butyl Phthalate	3.6	J	5.9	3.1	1	08/21/05	09/08/05	KWG0514184	
Fluoranthene	ND	U	5.9	2.6	1	08/21/05	09/08/05	KWG0514184	
Pyrene	ND	U	5.9	1.6	1	08/21/05	09/08/05	KWG0514184	
Butyl Benzyl Phthalate	ND	U	5.9	1.8	1	08/21/05	09/08/05	KWG0514184	
Benz(a)anthracene	ND	U	5.9	1.7	1	08/21/05	09/08/05	KWG0514184	
Chrysene	ND	U	5.9	1.7	1	08/21/05	09/08/05	KWG0514184	
Bis(2-ethylhexyl) Phthalate	8.2	J	120	2.0	1	08/21/05	09/08/05	KWG0514184	
Di-n-octyl Phthalate	ND	U	5.9	1.5	1	08/21/05	09/08/05	KWG0514184	
Benzo(b)fluoranthene	ND	U	5.9	3.0	1	08/21/05	09/08/05	KWG0514184	
Benzo(k)fluoranthene	ND	U	5.9	3.0	1	08/21/05	09/08/05	KWG0514184	
Benzo(a)pyrene	ND	U	5.9	1.9	1	08/21/05	09/08/05	KWG0514184	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Kennedy/Jenks Consultants, Incorporated
Project: BNSF-Harborview/0496017
Sample Matrix: Soil

Service Request: K0503178
Date Collected: 08/17/2005
Date Received: 08/18/2005

Semi-Volatile Organic Compounds by GC/MS

Sample Name: SS-07
Lab Code: K0503178-007
Extraction Method: EPA 3541
Analysis Method: 8270C

Units: ug/Kg
Basis: Dry
Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Indeno(1,2,3-cd)pyrene	ND	U	5.9	2.3	1	08/21/05	09/08/05	KWG0514184	
Dibenz(a,h)anthracene	ND	U	5.9	2.6	1	08/21/05	09/08/05	KWG0514184	
Benzo(g,h,i)perylene	ND	U	5.9	2.7	1	08/21/05	09/08/05	KWG0514184	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	25	11-87	09/08/05	Acceptable
Phenol-d6	41	20-99	09/08/05	Acceptable
Nitrobenzene-d5	17	10-99	09/08/05	Acceptable
2-Fluorobiphenyl	16	10-104	09/08/05	Acceptable
2,4,6-Tribromophenol	58	23-113	09/08/05	Acceptable
Terphenyl-d14	74	39-124	09/08/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Kennedy/Jenks Consultants, Incorporated
Project: BNSF-Harborview/0496017
Sample Matrix: Soil

Service Request: K0503178
Date Collected: 08/17/2005
Date Received: 08/18/2005

Semi-Volatile Organic Compounds by GC/MS

Sample Name: SS-08
Lab Code: K0503178-008
Extraction Method: EPA 3541
Analysis Method: 8270C

Units: ug/Kg
Basis: Dry
Level: Low

Analyte Name	Result Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Phenol	ND U	170	22	10	08/21/05	09/08/05	KWG0514184	
1,4-Dichlorobenzene	ND U	56	22	10	08/21/05	09/08/05	KWG0514184	
1,2-Dichlorobenzene	ND U	56	15	10	08/21/05	09/08/05	KWG0514184	
Benzyl Alcohol	ND U	56	42	10	08/21/05	09/08/05	KWG0514184	
2-Methylphenol	ND U	56	38	10	08/21/05	09/08/05	KWG0514184	
4-Methylphenol†	ND U	56	33	10	08/21/05	09/08/05	KWG0514184	
2,4-Dimethylphenol	ND U	280	62	10	08/21/05	09/08/05	KWG0514184	
Benzoic Acid	ND U	1200	1100	10	08/21/05	09/08/05	KWG0514184	
1,2,4-Trichlorobenzene	ND U	56	17	10	08/21/05	09/08/05	KWG0514184	
Naphthalene	ND U	56	15	10	08/21/05	09/08/05	KWG0514184	
Hexachlorobutadiene	ND U	56	16	10	08/21/05	09/08/05	KWG0514184	
2-Methylnaphthalene	ND U	56	14	10	08/21/05	09/08/05	KWG0514184	
Acenaphthylene	ND U	56	16	10	08/21/05	09/08/05	KWG0514184	
Dimethyl Phthalate	ND U	56	20	10	08/21/05	09/08/05	KWG0514184	
Acenaphthene	170 D	56	12	10	08/21/05	09/08/05	KWG0514184	
Dibenzofuran	ND U	56	15	10	08/21/05	09/08/05	KWG0514184	
Fluorene	ND U	56	19	10	08/21/05	09/08/05	KWG0514184	
Diethyl Phthalate	ND U	56	39	10	08/21/05	09/08/05	KWG0514184	
N-Nitrosodiphenylamine	ND U	56	25	10	08/21/05	09/08/05	KWG0514184	
Hexachlorobenzene	ND U	56	24	10	08/21/05	09/08/05	KWG0514184	
Pentachlorophenol	ND U	560	95	10	08/21/05	09/08/05	KWG0514184	
Phenanthrene	ND U	56	15	10	08/21/05	09/08/05	KWG0514184	
Anthracene	46 JD	56	16	10	08/21/05	09/08/05	KWG0514184	
Di-n-butyl Phthalate	ND U	56	29	10	08/21/05	09/08/05	KWG0514184	
Fluoranthene	1500 D	56	25	10	08/21/05	09/08/05	KWG0514184	
Pyrene	1000 D	56	15	10	08/21/05	09/08/05	KWG0514184	
Butyl Benzyl Phthalate	ND U	56	17	10	08/21/05	09/08/05	KWG0514184	
Benz(a)anthracene	260 D	56	16	10	08/21/05	09/08/05	KWG0514184	
Chrysene	77 D	56	16	10	08/21/05	09/08/05	KWG0514184	
Bis(2-ethylhexyl) Phthalate	ND U	1200	19	10	08/21/05	09/08/05	KWG0514184	
Di-n-octyl Phthalate	ND U	56	14	10	08/21/05	09/08/05	KWG0514184	
Benzo(b)fluoranthene	120 D	56	28	10	08/21/05	09/08/05	KWG0514184	
Benzo(k)fluoranthene	37 JD	56	28	10	08/21/05	09/08/05	KWG0514184	
Benzo(a)pyrene	68 D	56	18	10	08/21/05	09/08/05	KWG0514184	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Kennedy/Jenks Consultants, Incorporated
Project: BNSF-Harborview/0496017
Sample Matrix: Soil

Service Request: K0503178
Date Collected: 08/17/2005
Date Received: 08/18/2005

Semi-Volatile Organic Compounds by GC/MS

Sample Name: SS-08
Lab Code: K0503178-008
Extraction Method: EPA 3541
Analysis Method: 8270C

Units: ug/Kg
Basis: Dry
Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Indeno(1,2,3-cd)pyrene	ND	U	56	22	10	08/21/05	09/08/05	KWG0514184	
Dibenz(a,h)anthracene	ND	U	56	25	10	08/21/05	09/08/05	KWG0514184	
Benzo(g,h,i)perylene	ND	U	56	26	10	08/21/05	09/08/05	KWG0514184	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	23	11-87	09/08/05	Acceptable
Phenol-d6	48	20-99	09/08/05	Acceptable
Nitrobenzene-d5	29	10-99	09/08/05	Acceptable
2-Fluorobiphenyl	58	10-104	09/08/05	Acceptable
2,4,6-Tribromophenol	41	23-113	09/08/05	Acceptable
Terphenyl-d14	80	39-124	09/08/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Kennedy/Jenks Consultants, Incorporated
Project: BNSF-Harborview/0496017
Sample Matrix: Soil

Service Request: K0503178
Date Collected: 08/17/2005
Date Received: 08/18/2005

Semi-Volatile Organic Compounds by GC/MS

Sample Name: SS-09
Lab Code: K0503178-009
Extraction Method: EPA 3541
Analysis Method: 8270C

Units: ug/Kg
Basis: Dry
Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Phenol	ND	U	19	2.3	1	08/21/05	09/08/05	KWG0514184	
1,4-Dichlorobenzene	ND	U	6.1	2.3	1	08/21/05	09/08/05	KWG0514184	
1,2-Dichlorobenzene	ND	U	6.1	1.6	1	08/21/05	09/08/05	KWG0514184	
Benzyl Alcohol	ND	U	6.1	4.5	1	08/21/05	09/08/05	KWG0514184	
2-Methylphenol	ND	U	6.1	4.1	1	08/21/05	09/08/05	KWG0514184	
4-Methylphenol†	ND	U	6.1	3.5	1	08/21/05	09/08/05	KWG0514184	
2,4-Dimethylphenol	ND	U	31	6.7	1	08/21/05	09/08/05	KWG0514184	
Benzoic Acid	ND	U	130	120	1	08/21/05	09/08/05	KWG0514184	
1,2,4-Trichlorobenzene	ND	U	6.1	1.9	1	08/21/05	09/08/05	KWG0514184	
Naphthalene	ND	U	6.1	1.6	1	08/21/05	09/08/05	KWG0514184	
Hexachlorobutadiene	ND	U	6.1	1.7	1	08/21/05	09/08/05	KWG0514184	
2-Methylnaphthalene	ND	U	6.1	1.5	1	08/21/05	09/08/05	KWG0514184	
Acenaphthylene	ND	U	6.1	1.7	1	08/21/05	09/08/05	KWG0514184	
Dimethyl Phthalate	ND	U	6.1	2.2	1	08/21/05	09/08/05	KWG0514184	
Acenaphthene	ND	U	6.1	1.3	1	08/21/05	09/08/05	KWG0514184	
Dibenzofuran	ND	U	6.1	1.6	1	08/21/05	09/08/05	KWG0514184	
Fluorene	ND	U	6.1	2.1	1	08/21/05	09/08/05	KWG0514184	
Diethyl Phthalate	ND	U	6.1	4.3	1	08/21/05	09/08/05	KWG0514184	
N-Nitrosodiphenylamine	ND	U	6.1	2.7	1	08/21/05	09/08/05	KWG0514184	
Hexachlorobenzene	ND	U	6.1	2.6	1	08/21/05	09/08/05	KWG0514184	
Pentachlorophenol	ND	U	61	11	1	08/21/05	09/08/05	KWG0514184	
Phenanthrene	ND	U	6.1	1.6	1	08/21/05	09/08/05	KWG0514184	
Anthracene	ND	U	6.1	1.7	1	08/21/05	09/08/05	KWG0514184	
Di-n-butyl Phthalate	4.5	J	6.1	3.2	1	08/21/05	09/08/05	KWG0514184	
Fluoranthene	ND	U	6.1	2.7	1	08/21/05	09/08/05	KWG0514184	
Pyrene	ND	U	6.1	1.6	1	08/21/05	09/08/05	KWG0514184	
Butyl Benzyl Phthalate	ND	U	6.1	1.9	1	08/21/05	09/08/05	KWG0514184	
Benz(a)anthracene	ND	U	6.1	1.7	1	08/21/05	09/08/05	KWG0514184	
Chrysene	ND	U	6.1	1.7	1	08/21/05	09/08/05	KWG0514184	
Bis(2-ethylhexyl) Phthalate	5.8	J	130	2.1	1	08/21/05	09/08/05	KWG0514184	
Di-n-octyl Phthalate	ND	U	6.1	1.5	1	08/21/05	09/08/05	KWG0514184	
Benzo(b)fluoranthene	ND	U	6.1	3.1	1	08/21/05	09/08/05	KWG0514184	
Benzo(k)fluoranthene	ND	U	6.1	3.1	1	08/21/05	09/08/05	KWG0514184	
Benzo(a)pyrene	ND	U	6.1	2.0	1	08/21/05	09/08/05	KWG0514184	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Kennedy/Jenks Consultants, Incorporated
Project: BNSF-Harborview/0496017
Sample Matrix: Soil

Service Request: K0503178
Date Collected: 08/17/2005
Date Received: 08/18/2005

Semi-Volatile Organic Compounds by GC/MS

Sample Name: SS-09
Lab Code: K0503178-009
Extraction Method: EPA 3541
Analysis Method: 8270C

Units: ug/Kg
Basis: Dry
Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Indeno(1,2,3-cd)pyrene	ND	U	6.1	2.3	1	08/21/05	09/08/05	KWG0514184	
Dibenz(a,h)anthracene	ND	U	6.1	2.7	1	08/21/05	09/08/05	KWG0514184	
Benzo(g,h,i)perylene	ND	U	6.1	2.8	1	08/21/05	09/08/05	KWG0514184	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	44	11-87	09/08/05	Acceptable
Phenol-d6	56	20-99	09/08/05	Acceptable
Nitrobenzene-d5	50	10-99	09/08/05	Acceptable
2-Fluorobiphenyl	51	10-104	09/08/05	Acceptable
2,4,6-Tribromophenol	55	23-113	09/08/05	Acceptable
Terphenyl-d14	77	39-124	09/08/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Kennedy/Jenks Consultants, Incorporated
Project: BNSF-Harborview/0496017
Sample Matrix: Soil

Service Request: K0503178
Date Collected: 08/17/2005
Date Received: 08/18/2005

Semi-Volatile Organic Compounds by GC/MS

Sample Name: SS-10
Lab Code: K0503178-010
Extraction Method: EPA 3541
Analysis Method: 8270C

Units: ug/Kg
Basis: Dry
Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Phenol	ND	U	18	2.3	1	08/21/05	09/08/05	KWG0514184	
1,4-Dichlorobenzene	ND	U	6.0	2.3	1	08/21/05	09/08/05	KWG0514184	
1,2-Dichlorobenzene	ND	U	6.0	1.6	1	08/21/05	09/08/05	KWG0514184	
Benzyl Alcohol	ND	U	6.0	4.4	1	08/21/05	09/08/05	KWG0514184	
2-Methylphenol	ND	U	6.0	4.1	1	08/21/05	09/08/05	KWG0514184	
4-Methylphenol†	ND	U	6.0	3.5	1	08/21/05	09/08/05	KWG0514184	
2,4-Dimethylphenol	ND	U	30	6.6	1	08/21/05	09/08/05	KWG0514184	
Benzoic Acid	ND	U	120	120	1	08/21/05	09/08/05	KWG0514184	
1,2,4-Trichlorobenzene	ND	U	6.0	1.8	1	08/21/05	09/08/05	KWG0514184	
Naphthalene	ND	U	6.0	1.6	1	08/21/05	09/08/05	KWG0514184	
Hexachlorobutadiene	ND	U	6.0	1.7	1	08/21/05	09/08/05	KWG0514184	
2-Methylnaphthalene	ND	U	6.0	1.5	1	08/21/05	09/08/05	KWG0514184	
Acenaphthylene	ND	U	6.0	1.7	1	08/21/05	09/08/05	KWG0514184	
Dimethyl Phthalate	ND	U	6.0	2.2	1	08/21/05	09/08/05	KWG0514184	
Acenaphthene	ND	U	6.0	1.2	1	08/21/05	09/08/05	KWG0514184	
Dibenzofuran	ND	U	6.0	1.6	1	08/21/05	09/08/05	KWG0514184	
Fluorene	ND	U	6.0	2.1	1	08/21/05	09/08/05	KWG0514184	
Diethyl Phthalate	ND	U	6.0	4.2	1	08/21/05	09/08/05	KWG0514184	
N-Nitrosodiphenylamine	ND	U	6.0	2.7	1	08/21/05	09/08/05	KWG0514184	
Hexachlorobenzene	ND	U	6.0	2.5	1	08/21/05	09/08/05	KWG0514184	
Pentachlorophenol	ND	U	60	11	1	08/21/05	09/08/05	KWG0514184	
Phenanthrene	ND	U	6.0	1.6	1	08/21/05	09/08/05	KWG0514184	
Anthracene	ND	U	6.0	1.7	1	08/21/05	09/08/05	KWG0514184	
Di-n-butyl Phthalate	3.3	J	6.0	3.1	1	08/21/05	09/08/05	KWG0514184	
Fluoranthene	ND	U	6.0	2.7	1	08/21/05	09/08/05	KWG0514184	
Pyrene	ND	U	6.0	1.6	1	08/21/05	09/08/05	KWG0514184	
Butyl Benzyl Phthalate	ND	U	6.0	1.8	1	08/21/05	09/08/05	KWG0514184	
Benz(a)anthracene	ND	U	6.0	1.7	1	08/21/05	09/08/05	KWG0514184	
Chrysene	ND	U	6.0	1.7	1	08/21/05	09/08/05	KWG0514184	
Bis(2-ethylhexyl) Phthalate	4.8	J	120	2.1	1	08/21/05	09/08/05	KWG0514184	
Di-n-octyl Phthalate	ND	U	6.0	1.5	1	08/21/05	09/08/05	KWG0514184	
Benzo(b)fluoranthene	ND	U	6.0	3.0	1	08/21/05	09/08/05	KWG0514184	
Benzo(k)fluoranthene	ND	U	6.0	3.0	1	08/21/05	09/08/05	KWG0514184	
Benzo(a)pyrene	ND	U	6.0	1.9	1	08/21/05	09/08/05	KWG0514184	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Kennedy/Jenks Consultants, Incorporated
Project: BNSF-Harborview/0496017
Sample Matrix: Soil

Service Request: K0503178
Date Collected: 08/17/2005
Date Received: 08/18/2005

Semi-Volatile Organic Compounds by GC/MS

Sample Name: SS-10
Lab Code: K0503178-010
Extraction Method: EPA 3541
Analysis Method: 8270C

Units: ug/Kg
Basis: Dry
Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Indeno(1,2,3-cd)pyrene	ND	U	6.0	2.3	1	08/21/05	09/08/05	KWG0514184	
Dibenz(a,h)anthracene	ND	U	6.0	2.7	1	08/21/05	09/08/05	KWG0514184	
Benzo(g,h,i)perylene	ND	U	6.0	2.8	1	08/21/05	09/08/05	KWG0514184	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	37	11-87	09/08/05	Acceptable
Phenol-d6	45	20-99	09/08/05	Acceptable
Nitrobenzene-d5	37	10-99	09/08/05	Acceptable
2-Fluorobiphenyl	39	10-104	09/08/05	Acceptable
2,4,6-Tribromophenol	48	23-113	09/08/05	Acceptable
Terphenyl-d14	57	39-124	09/08/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Kennedy/Jenks Consultants, Incorporated
Project: BNSF-Harborview/0496017
Sample Matrix: Soil

Service Request: K0503178
Date Collected: 08/17/2005
Date Received: 08/18/2005

Semi-Volatile Organic Compounds by GC/MS

Sample Name: SS-11
Lab Code: K0503178-011
Extraction Method: EPA 3541
Analysis Method: 8270C

Units: ug/Kg
Basis: Dry
Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Phenol	ND	U	19	2.4	1	08/21/05	09/08/05	KWG0514184	
1,4-Dichlorobenzene	ND	U	6.2	2.4	1	08/21/05	09/08/05	KWG0514184	
1,2-Dichlorobenzene	ND	U	6.2	1.6	1	08/21/05	09/08/05	KWG0514184	
Benzyl Alcohol	ND	U	6.2	4.6	1	08/21/05	09/08/05	KWG0514184	
2-Methylphenol	ND	U	6.2	4.2	1	08/21/05	09/08/05	KWG0514184	
4-Methylphenol†	ND	U	6.2	3.6	1	08/21/05	09/08/05	KWG0514184	
2,4-Dimethylphenol	ND	U	31	6.8	1	08/21/05	09/08/05	KWG0514184	
Benzoic Acid	ND	U	130	120	1	08/21/05	09/08/05	KWG0514184	
1,2,4-Trichlorobenzene	ND	U	6.2	1.9	1	08/21/05	09/08/05	KWG0514184	
Naphthalene	ND	U	6.2	1.6	1	08/21/05	09/08/05	KWG0514184	
Hexachlorobutadiene	ND	U	6.2	1.8	1	08/21/05	09/08/05	KWG0514184	
2-Methylnaphthalene	ND	U	6.2	1.5	1	08/21/05	09/08/05	KWG0514184	
Acenaphthylene	ND	U	6.2	1.8	1	08/21/05	09/08/05	KWG0514184	
Dimethyl Phthalate	ND	U	6.2	2.3	1	08/21/05	09/08/05	KWG0514184	
Acenaphthene	ND	U	6.2	1.3	1	08/21/05	09/08/05	KWG0514184	
Dibenzofuran	ND	U	6.2	1.6	1	08/21/05	09/08/05	KWG0514184	
Fluorene	ND	U	6.2	2.1	1	08/21/05	09/08/05	KWG0514184	
Diethyl Phthalate	ND	U	6.2	4.3	1	08/21/05	09/08/05	KWG0514184	
N-Nitrosodiphenylamine	ND	U	6.2	2.7	1	08/21/05	09/08/05	KWG0514184	
Hexachlorobenzene	ND	U	6.2	2.6	1	08/21/05	09/08/05	KWG0514184	
Pentachlorophenol	ND	U	62	11	1	08/21/05	09/08/05	KWG0514184	
Phenanthrene	ND	U	6.2	1.6	1	08/21/05	09/08/05	KWG0514184	
Anthracene	ND	U	6.2	1.8	1	08/21/05	09/08/05	KWG0514184	
Di-n-butyl Phthalate	3.3	J	6.2	3.2	1	08/21/05	09/08/05	KWG0514184	
Fluoranthene	3.7	J	6.2	2.7	1	08/21/05	09/08/05	KWG0514184	
Pyrene	4.2	J	6.2	1.6	1	08/21/05	09/08/05	KWG0514184	
Butyl Benzyl Phthalate	ND	U	6.2	1.9	1	08/21/05	09/08/05	KWG0514184	
Benz(a)anthracene	3.0	J	6.2	1.8	1	08/21/05	09/08/05	KWG0514184	
Chrysene	3.3	J	6.2	1.8	1	08/21/05	09/08/05	KWG0514184	
Bis(2-ethylhexyl) Phthalate	4.7	J	130	2.1	1	08/21/05	09/08/05	KWG0514184	
Di-n-octyl Phthalate	ND	U	6.2	1.5	1	08/21/05	09/08/05	KWG0514184	
Benzo(b)fluoranthene	3.9	J	6.2	3.1	1	08/21/05	09/08/05	KWG0514184	
Benzo(k)fluoranthene	ND	U	6.2	3.1	1	08/21/05	09/08/05	KWG0514184	
Benzo(a)pyrene	2.8	J	6.2	2.0	1	08/21/05	09/08/05	KWG0514184	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Kennedy/Jenks Consultants, Incorporated
Project: BNSF-Harborview/0496017
Sample Matrix: Soil

Service Request: K0503178
Date Collected: 08/17/2005
Date Received: 08/18/2005

Semi-Volatile Organic Compounds by GC/MS

Sample Name: SS-11
Lab Code: K0503178-011
Extraction Method: EPA 3541
Analysis Method: 8270C

Units: ug/Kg
Basis: Dry
Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Indeno(1,2,3-cd)pyrene	ND	U	6.2	2.4	1	08/21/05	09/08/05	KWG0514184	
Dibenz(a,h)anthracene	ND	U	6.2	2.7	1	08/21/05	09/08/05	KWG0514184	
Benzo(g,h,i)perylene	ND	U	6.2	2.9	1	08/21/05	09/08/05	KWG0514184	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	29	11-87	09/08/05	Acceptable
Phenol-d6	47	20-99	09/08/05	Acceptable
Nitrobenzene-d5	17	10-99	09/08/05	Acceptable
2-Fluorobiphenyl	15	10-104	09/08/05	Acceptable
2,4,6-Tribromophenol	52	23-113	09/08/05	Acceptable
Terphenyl-d14	64	39-124	09/08/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Kennedy/Jenks Consultants, Incorporated
Project: BNSF-Harborview/0496017
Sample Matrix: Soil

Service Request: K0503178
Date Collected: 08/17/2005
Date Received: 08/18/2005

Semi-Volatile Organic Compounds by GC/MS

Sample Name: SS-12
Lab Code: K0503178-012
Extraction Method: EPA 3541
Analysis Method: 8270C

Units: ug/Kg
Basis: Dry
Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Phenol	2.5	J	16	2.1	1	08/21/05	09/08/05	KWG0514184	
1,4-Dichlorobenzene	ND	U	5.3	2.1	1	08/21/05	09/08/05	KWG0514184	
1,2-Dichlorobenzene	ND	U	5.3	1.4	1	08/21/05	09/08/05	KWG0514184	
Benzyl Alcohol	ND	U	5.3	4.0	1	08/21/05	09/08/05	KWG0514184	
2-Methylphenol	ND	U	5.3	3.7	1	08/21/05	09/08/05	KWG0514184	
4-Methylphenol†	ND	U	5.3	3.1	1	08/21/05	09/08/05	KWG0514184	
2,4-Dimethylphenol	ND	U	27	5.9	1	08/21/05	09/08/05	KWG0514184	
Benzoic Acid	ND	U	110	110	1	08/21/05	09/08/05	KWG0514184	
1,2,4-Trichlorobenzene	ND	U	5.3	1.6	1	08/21/05	09/08/05	KWG0514184	
Naphthalene	ND	U	5.3	1.4	1	08/21/05	09/08/05	KWG0514184	
Hexachlorobutadiene	ND	U	5.3	1.5	1	08/21/05	09/08/05	KWG0514184	
2-Methylnaphthalene	ND	U	5.3	1.3	1	08/21/05	09/08/05	KWG0514184	
Acenaphthylene	1.7	J	5.3	1.5	1	08/21/05	09/08/05	KWG0514184	
Dimethyl Phthalate	ND	U	5.3	2.0	1	08/21/05	09/08/05	KWG0514184	
Acenaphthene	ND	U	5.3	1.1	1	08/21/05	09/08/05	KWG0514184	
Dibenzofuran	ND	U	5.3	1.4	1	08/21/05	09/08/05	KWG0514184	
Fluorene	ND	U	5.3	1.9	1	08/21/05	09/08/05	KWG0514184	
Diethyl Phthalate	ND	U	5.3	3.8	1	08/21/05	09/08/05	KWG0514184	
N-Nitrosodiphenylamine	ND	U	5.3	2.4	1	08/21/05	09/08/05	KWG0514184	
Hexachlorobenzene	ND	U	5.3	2.3	1	08/21/05	09/08/05	KWG0514184	
Pentachlorophenol	ND	U	53	9.1	1	08/21/05	09/08/05	KWG0514184	
Phenanthrene	ND	U	5.3	1.4	1	08/21/05	09/08/05	KWG0514184	
Anthracene	1.9	J	5.3	1.5	1	08/21/05	09/08/05	KWG0514184	
Di-n-butyl Phthalate	ND	U	5.3	2.8	1	08/21/05	09/08/05	KWG0514184	
Fluoranthene	6.6		5.3	2.4	1	08/21/05	09/08/05	KWG0514184	
Pyrene	5.0	J	5.3	1.4	1	08/21/05	09/08/05	KWG0514184	
Butyl Benzyl Phthalate	ND	U	5.3	1.6	1	08/21/05	09/08/05	KWG0514184	
Benz(a)anthracene	2.9	J	5.3	1.5	1	08/21/05	09/08/05	KWG0514184	
Chrysene	5.8		5.3	1.5	1	08/21/05	09/08/05	KWG0514184	
Bis(2-ethylhexyl) Phthalate	5.6	J	110	1.9	1	08/21/05	09/08/05	KWG0514184	
Di-n-octyl Phthalate	ND	U	5.3	1.3	1	08/21/05	09/08/05	KWG0514184	
Benzo(b)fluoranthene	8.8		5.3	2.7	1	08/21/05	09/08/05	KWG0514184	
Benzo(k)fluoranthene	2.8	J	5.3	2.7	1	08/21/05	09/08/05	KWG0514184	
Benzo(a)pyrene	3.7	J	5.3	1.7	1	08/21/05	09/08/05	KWG0514184	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Kennedy/Jenks Consultants, Incorporated
Project: BNSF-Harborview/0496017
Sample Matrix: Soil

Service Request: K0503178
Date Collected: 08/17/2005
Date Received: 08/18/2005

Semi-Volatile Organic Compounds by GC/MS

Sample Name: SS-12
Lab Code: K0503178-012
Extraction Method: EPA 3541
Analysis Method: 8270C

Units: ug/Kg
Basis: Dry
Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Indeno(1,2,3-cd)pyrene	4.1	J	5.3	2.1	1	08/21/05	09/08/05	KWG0514184	
Dibenz(a,h)anthracene	ND	U	5.3	2.4	1	08/21/05	09/08/05	KWG0514184	
Benzo(g,h,i)perylene	6.1		5.3	2.5	1	08/21/05	09/08/05	KWG0514184	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	38	11-87	09/08/05	Acceptable
Phenol-d6	55	20-99	09/08/05	Acceptable
Nitrobenzene-d5	40	10-99	09/08/05	Acceptable
2-Fluorobiphenyl	47	10-104	09/08/05	Acceptable
2,4,6-Tribromophenol	56	23-113	09/08/05	Acceptable
Terphenyl-d14	77	39-124	09/08/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Kennedy/Jenks Consultants, Incorporated
Project: BNSF-Harborview/0496017
Sample Matrix: Soil

Service Request: K0503178
Date Collected: 08/17/2005
Date Received: 08/18/2005

Semi-Volatile Organic Compounds by GC/MS

Sample Name: SS-13
Lab Code: K0503178-013
Extraction Method: EPA 3541
Analysis Method: 8270C

Units: ug/Kg
Basis: Dry
Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Phenol	ND	U	18	2.3	1	08/21/05	09/08/05	KWG0514184	
1,4-Dichlorobenzene	ND	U	5.9	2.3	1	08/21/05	09/08/05	KWG0514184	
1,2-Dichlorobenzene	ND	U	5.9	1.6	1	08/21/05	09/08/05	KWG0514184	
Benzyl Alcohol	ND	U	5.9	4.4	1	08/21/05	09/08/05	KWG0514184	
2-Methylphenol	ND	U	5.9	4.0	1	08/21/05	09/08/05	KWG0514184	
4-Methylphenol†	ND	U	5.9	3.4	1	08/21/05	09/08/05	KWG0514184	
2,4-Dimethylphenol	ND	U	30	6.5	1	08/21/05	09/08/05	KWG0514184	
Benzoic Acid	ND	U	120	120	1	08/21/05	09/08/05	KWG0514184	
1,2,4-Trichlorobenzene	ND	U	5.9	1.8	1	08/21/05	09/08/05	KWG0514184	
Naphthalene	ND	U	5.9	1.6	1	08/21/05	09/08/05	KWG0514184	
Hexachlorobutadiene	ND	U	5.9	1.7	1	08/21/05	09/08/05	KWG0514184	
2-Methylnaphthalene	ND	U	5.9	1.5	1	08/21/05	09/08/05	KWG0514184	
Acenaphthylene	ND	U	5.9	1.7	1	08/21/05	09/08/05	KWG0514184	
Dimethyl Phthalate	ND	U	5.9	2.2	1	08/21/05	09/08/05	KWG0514184	
Acenaphthene	ND	U	5.9	1.2	1	08/21/05	09/08/05	KWG0514184	
Dibenzofuran	ND	U	5.9	1.6	1	08/21/05	09/08/05	KWG0514184	
Fluorene	ND	U	5.9	2.0	1	08/21/05	09/08/05	KWG0514184	
Diethyl Phthalate	ND	U	5.9	4.2	1	08/21/05	09/08/05	KWG0514184	
N-Nitrosodiphenylamine	ND	U	5.9	2.6	1	08/21/05	09/08/05	KWG0514184	
Hexachlorobenzene	ND	U	5.9	2.5	1	08/21/05	09/08/05	KWG0514184	
Pentachlorophenol	ND	U	59	10	1	08/21/05	09/08/05	KWG0514184	
Phenanthrene	ND	U	5.9	1.6	1	08/21/05	09/08/05	KWG0514184	
Anthracene	ND	U	5.9	1.7	1	08/21/05	09/08/05	KWG0514184	
Di-n-butyl Phthalate	ND	U	5.9	3.1	1	08/21/05	09/08/05	KWG0514184	
Fluoranthene	ND	U	5.9	2.6	1	08/21/05	09/08/05	KWG0514184	
Pyrene	1.8	J	5.9	1.6	1	08/21/05	09/08/05	KWG0514184	
Butyl Benzyl Phthalate	ND	U	5.9	1.8	1	08/21/05	09/08/05	KWG0514184	
Benz(a)anthracene	ND	U	5.9	1.7	1	08/21/05	09/08/05	KWG0514184	
Chrysene	ND	U	5.9	1.7	1	08/21/05	09/08/05	KWG0514184	
Bis(2-ethylhexyl) Phthalate	9.7	J	120	2.0	1	08/21/05	09/08/05	KWG0514184	
Di-n-octyl Phthalate	ND	U	5.9	1.5	1	08/21/05	09/08/05	KWG0514184	
Benzo(b)fluoranthene	ND	U	5.9	3.0	1	08/21/05	09/08/05	KWG0514184	
Benzo(k)fluoranthene	ND	U	5.9	3.0	1	08/21/05	09/08/05	KWG0514184	
Benzo(a)pyrene	ND	U	5.9	1.9	1	08/21/05	09/08/05	KWG0514184	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Kennedy/Jenks Consultants, Incorporated
Project: BNSF-Harborview/0496017
Sample Matrix: Soil

Service Request: K0503178
Date Collected: 08/17/2005
Date Received: 08/18/2005

Semi-Volatile Organic Compounds by GC/MS

Sample Name: SS-13
Lab Code: K0503178-013
Extraction Method: EPA 3541
Analysis Method: 8270C

Units: ug/Kg
Basis: Dry
Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Indeno(1,2,3-cd)pyrene	ND	U	5.9	2.3	1	08/21/05	09/08/05	KWG0514184	
Dibenz(a,h)anthracene	ND	U	5.9	2.6	1	08/21/05	09/08/05	KWG0514184	
Benzo(g,h,i)perylene	ND	U	5.9	2.7	1	08/21/05	09/08/05	KWG0514184	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	44	11-87	09/08/05	Acceptable
Phenol-d6	52	20-99	09/08/05	Acceptable
Nitrobenzene-d5	53	10-99	09/08/05	Acceptable
2-Fluorobiphenyl	53	10-104	09/08/05	Acceptable
2,4,6-Tribromophenol	52	23-113	09/08/05	Acceptable
Terphenyl-d14	69	39-124	09/08/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Kennedy/Jenks Consultants, Incorporated
Project: BNSF-Harborview/0496017
Sample Matrix: Soil

Service Request: K0503178
Date Collected: NA
Date Received: NA

Semi-Volatile Organic Compounds by GC/MS

Sample Name: Method Blank
Lab Code: KWG0514184-5
Extraction Method: EPA 3541
Analysis Method: 8270C

Units: ug/Kg
Basis: Dry
Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Phenol	ND	U	15	1.9	1	08/21/05	09/08/05	KWG0514184	
1,4-Dichlorobenzene	ND	U	5.0	1.9	1	08/21/05	09/08/05	KWG0514184	
1,2-Dichlorobenzene	ND	U	5.0	1.3	1	08/21/05	09/08/05	KWG0514184	
Benzyl Alcohol	ND	U	5.0	3.7	1	08/21/05	09/08/05	KWG0514184	
2-Methylphenol	ND	U	5.0	3.4	1	08/21/05	09/08/05	KWG0514184	
4-Methylphenol†	ND	U	5.0	2.9	1	08/21/05	09/08/05	KWG0514184	
2,4-Dimethylphenol	ND	U	25	5.5	1	08/21/05	09/08/05	KWG0514184	
Benzoic Acid	ND	U	100	96	1	08/21/05	09/08/05	KWG0514184	
1,2,4-Trichlorobenzene	ND	U	5.0	1.5	1	08/21/05	09/08/05	KWG0514184	
Naphthalene	ND	U	5.0	1.3	1	08/21/05	09/08/05	KWG0514184	
Hexachlorobutadiene	ND	U	5.0	1.4	1	08/21/05	09/08/05	KWG0514184	
2-Methylnaphthalene	ND	U	5.0	1.2	1	08/21/05	09/08/05	KWG0514184	
Acenaphthylene	ND	U	5.0	1.4	1	08/21/05	09/08/05	KWG0514184	
Dimethyl Phthalate	ND	U	5.0	1.8	1	08/21/05	09/08/05	KWG0514184	
Acenaphthene	ND	U	5.0	1.0	1	08/21/05	09/08/05	KWG0514184	
Dibenzofuran	ND	U	5.0	1.3	1	08/21/05	09/08/05	KWG0514184	
Fluorene	ND	U	5.0	1.7	1	08/21/05	09/08/05	KWG0514184	
Diethyl Phthalate	ND	U	5.0	3.5	1	08/21/05	09/08/05	KWG0514184	
N-Nitrosodiphenylamine	ND	U	5.0	2.2	1	08/21/05	09/08/05	KWG0514184	
Hexachlorobenzene	ND	U	5.0	2.1	1	08/21/05	09/08/05	KWG0514184	
Pentachlorophenol	ND	U	50	8.5	1	08/21/05	09/08/05	KWG0514184	
Phenanthrene	ND	U	5.0	1.3	1	08/21/05	09/08/05	KWG0514184	
Anthracene	ND	U	5.0	1.4	1	08/21/05	09/08/05	KWG0514184	
Di-n-butyl Phthalate	ND	U	5.0	2.6	1	08/21/05	09/08/05	KWG0514184	
Fluoranthene	ND	U	5.0	2.2	1	08/21/05	09/08/05	KWG0514184	
Pyrene	ND	U	5.0	1.3	1	08/21/05	09/08/05	KWG0514184	
Butyl Benzyl Phthalate	ND	U	5.0	1.5	1	08/21/05	09/08/05	KWG0514184	
Benz(a)anthracene	ND	U	5.0	1.4	1	08/21/05	09/08/05	KWG0514184	
Chrysene	ND	U	5.0	1.4	1	08/21/05	09/08/05	KWG0514184	
Bis(2-ethylhexyl) Phthalate	3.6	J	100	1.7	1	08/21/05	09/08/05	KWG0514184	
Di-n-octyl Phthalate	ND	U	5.0	1.2	1	08/21/05	09/08/05	KWG0514184	
Benzo(b)fluoranthene	ND	U	5.0	2.5	1	08/21/05	09/08/05	KWG0514184	
Benzo(k)fluoranthene	ND	U	5.0	2.5	1	08/21/05	09/08/05	KWG0514184	
Benzo(a)pyrene	ND	U	5.0	1.6	1	08/21/05	09/08/05	KWG0514184	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Kennedy/Jenks Consultants, Incorporated
Project: BNSF-Harborview/0496017
Sample Matrix: Soil

Service Request: K0503178
Date Collected: NA
Date Received: NA

Semi-Volatile Organic Compounds by GC/MS

Sample Name: Method Blank
Lab Code: KWG0514184-5
Extraction Method: EPA 3541
Analysis Method: 8270C

Units: ug/Kg
Basis: Dry
Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Indeno(1,2,3-cd)pyrene	ND	U	5.0	1.9	1	08/21/05	09/08/05	KWG0514184	
Dibenz(a,h)anthracene	ND	U	5.0	2.2	1	08/21/05	09/08/05	KWG0514184	
Benzo(g,h,i)perylene	ND	U	5.0	2.3	1	08/21/05	09/08/05	KWG0514184	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	39	11-87	09/08/05	Acceptable
Phenol-d6	51	20-99	09/08/05	Acceptable
Nitrobenzene-d5	34	10-99	09/08/05	Acceptable
2-Fluorobiphenyl	37	10-104	09/08/05	Acceptable
2,4,6-Tribromophenol	58	23-113	09/08/05	Acceptable
Terphenyl-d14	79	39-124	09/08/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Kennedy/Jenks Consultants, Incorporated
Project: BNSF-Harborview/0496017
Sample Matrix: Soil

Service Request: K0503178

Surrogate Recovery Summary
Semi-Volatile Organic Compounds by GC/MS

Extraction Method: EPA 3541

Units: PERCENT

Analysis Method: 8270C

Level: Low

<u>Sample Name</u>	<u>Lab Code</u>	<u>Sur1</u>	<u>Sur2</u>	<u>Sur3</u>	<u>Sur4</u>	<u>Sur5</u>	<u>Sur6</u>
SS-01	K0503178-001	51	63	51	41	67	71
SS-02	K0503178-002	47	57	52	47	58	71
SS-03	K0503178-003	47	61	48	25	56	55
SS-04	K0503178-004	37	56	32	45	59	75
SS-05	K0503178-005	22	46	11	11	59	66
SS-06	K0503178-006	30	52	20	24	60	74
SS-07	K0503178-007	25	41	17	16	58	74
SS-08	K0503178-008	23 D	48 D	29 D	58 D	41 D	80 D
SS-09	K0503178-009	44	56	50	51	55	77
SS-10	K0503178-010	37	45	37	39	48	57
SS-11	K0503178-011	29	47	17	15	52	64
SS-12	K0503178-012	38	55	40	47	56	77
SS-13	K0503178-013	44	52	53	53	52	69
Method Blank	KWG0514184-5	39	51	34	37	58	79
SS-06MS	KWG0514184-1	37	48	34	36	53	62
SS-06DMS	KWG0514184-2	38	53	32	34	62	76
Lab Control Sample	KWG0514184-3	52	60	59	61	66	69
Duplicate Lab Control Sample	KWG0514184-4	52	62	61	64	70	77

Surrogate Recovery Control Limits (%)

Sur1 = 2-Fluorophenol	11-87	Sur5 = 2,4,6-Tribromophenol	23-113
Sur2 = Phenol-d6	20-99	Sur6 = Terphenyl-d14	39-124
Sur3 = Nitrobenzene-d5	10-99		
Sur4 = 2-Fluorobiphenyl	10-104		

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Kennedy/Jenks Consultants, Incorporated
Project: BNSF-Harborview/0496017

Service Request: K0503178
Date Analyzed: 09/08/2005
Time Analyzed: 10:24

**Internal Standard Area and RT Summary
Semi-Volatile Organic Compounds by GC/MS**

File ID: J:\MS06\DATA\090805\0908C011.D
Instrument ID: MS06
Analysis Method: 8270C

Lab Code: KWG0515914-2
Analysis Lot: KWG0515914

		1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
		<u>Area</u>	<u>RT</u>	<u>Area</u>	<u>RT</u>	<u>Area</u>	<u>RT</u>
Results ==>		110,261	8.69	434,937	10.63	195,791	13.46
Upper Limit ==>		220,522	9.19	869,874	11.13	391,582	13.96
Lower Limit ==>		55,131	8.19	217,469	10.13	97,896	12.96
ICAL Result ==>		122,143	8.68	491,539	10.63	209,659	13.46
Associated Analyses							
Method Blank	KWG0514184-5	97,287	8.69	393,934	10.63	172,521	13.46
Lab Control Sample	KWG0514184-3	111,297	8.69	441,315	10.63	198,477	13.46
Duplicate Lab Control Sample	KWG0514184-4	104,639	8.68	414,642	10.63	184,126	13.46
SS-06MS	KWG0514184-1	106,148	8.69	416,036	10.63	185,959	13.47
SS-06DMS	KWG0514184-2	98,460	8.69	413,669	10.63	181,141	13.46
SS-06	K0503178-006	108,150	8.69	446,590	10.63	193,020	13.47
SS-01	K0503178-001	102,817	8.69	414,718	10.63	181,966	13.46
SS-02	K0503178-002	106,054	8.69	438,875	10.63	195,790	13.46
SS-03	K0503178-003	111,444	8.70	445,909	10.63	204,022	13.47
SS-04	K0503178-004	109,274	8.69	440,584	10.63	197,328	13.47
SS-05	K0503178-005	112,631	8.70	440,590	10.64	201,383	13.47
SS-07	K0503178-007	107,650	8.69	421,121	10.64	188,415	13.47
SS-08	K0503178-008	103,012	8.69	412,033	10.64	188,262	13.47
SS-09	K0503178-009	109,020	8.69	433,149	10.63	192,495	13.47
SS-10	K0503178-010	120,084	8.69	472,031	10.63	211,559	13.46
SS-11	K0503178-011	115,519	8.69	456,213	10.63	199,379	13.47
SS-12	K0503178-012	116,473	8.69	451,303	10.63	202,713	13.46
SS-13	K0503178-013	128,956	8.70	508,717	10.63	228,663	13.47

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Kennedy/Jenks Consultants, Incorporated
Project: BNSF-Harborview/0496017

Service Request: K0503178
Date Analyzed: 09/08/2005
Time Analyzed: 10:24

**Internal Standard Area and RT Summary
Semi-Volatile Organic Compounds by GC/MS**

File ID: J:\MS06\DATA\090805\0908C011.D
Instrument ID: MS06
Analysis Method: 8270C

Lab Code: KWG0515914-2
Analysis Lot: KWG0515914

		Phenanthrene-d10		Chrysene-d12		Perylene-d12	
		<u>Area</u>	<u>RT</u>	<u>Area</u>	<u>RT</u>	<u>Area</u>	<u>RT</u>
Results ==>		281,937	15.89	210,378	20.38	141,241	24.03
Upper Limit ==>		563,874	16.39	420,756	20.88	282,482	24.53
Lower Limit ==>		140,969	15.39	105,189	19.88	70,621	23.53
ICAL Result ==>		308,957	15.88	231,778	20.37	153,659	24.03
Associated Analyses							
Method Blank	KWG0514184-5	248,054	15.88	182,437	20.36	123,196	24.02
Lab Control Sample	KWG0514184-3	276,075	15.89	209,981	20.38	142,904	24.03
Duplicate Lab Control Sample	KWG0514184-4	258,586	15.88	194,016	20.37	131,823	24.03
SS-06MS	KWG0514184-1	263,866	15.89	202,149	20.38	138,029	24.03
SS-06DMS	KWG0514184-2	253,845	15.89	191,940	20.38	133,105	24.04
SS-06	K0503178-006	278,439	15.89	203,277	20.37	141,244	24.03
SS-01	K0503178-001	259,217	15.89	187,076	20.37	131,760	24.03
SS-02	K0503178-002	270,096	15.89	201,716	20.38	140,849	24.04
SS-03	K0503178-003	283,548	15.89	209,433	20.38	146,653	24.05
SS-04	K0503178-004	291,544	15.90	214,158	20.39	147,177	24.08
SS-05	K0503178-005	283,050	15.90	210,549	20.39	143,558	24.06
SS-07	K0503178-007	262,604	15.89	195,997	20.38	135,277	24.05
SS-08	K0503178-008	282,598	15.90	207,248	20.40	138,299	24.08
SS-09	K0503178-009	273,250	15.89	204,383	20.38	140,978	24.04
SS-10	K0503178-010	296,657	15.89	217,108	20.37	151,779	24.05
SS-11	K0503178-011	282,794	15.89	213,404	20.38	144,718	24.05
SS-12	K0503178-012	283,676	15.89	215,036	20.38	148,107	24.06
SS-13	K0503178-013	314,958	15.89	236,587	20.38	162,577	24.05

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Kennedy/Jenks Consultants, Incorporated
Project: BNSF-Harborview/0496017
Sample Matrix: Soil

Service Request: K0503178
Date Extracted: 08/21/2005
Date Analyzed: 09/08/2005

Matrix Spike/Duplicate Matrix Spike Summary
Semi-Volatile Organic Compounds by GC/MS

Sample Name: SS-06
Lab Code: K0503178-006
Extraction Method: EPA 3541
Analysis Method: 8270C

Units: ug/Kg
Basis: Dry
Level: Low
Extraction Lot: KWG0514184

Analyte Name	Sample Result	SS-06MS KWG0514184-1 Matrix Spike			SS-06DMS KWG0514184-2 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
Phenol	ND	71.7	143	50	81.1	143	57	21-106	12	40
1,4-Dichlorobenzene	ND	28.4	143	20	27.4	143	19	10-77	4	40
1,2,4-Trichlorobenzene	ND	42.4	143	30	45.1	143	32	10-89	6	40
Acenaphthene	ND	73.7	143	52	80.1	143	56	10-140	8	40
Pentachlorophenol	ND	71.8	143	50	87.7	143	62	10-132	20	40
Pyrene	2.5	102	143	70	114	143	78	10-173	11	40

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Kennedy/Jenks Consultants, Incorporated
Project: BNSF-Harborview/0496017
Sample Matrix: Soil

Service Request: K0503178
Date Extracted: 08/21/2005
Date Analyzed: 09/08/2005

Lab Control Spike/Duplicate Lab Control Spike Summary
Semi-Volatile Organic Compounds by GC/MS

Extraction Method: EPA 3541
Analysis Method: 8270C

Units: ug/Kg
Basis: Dry
Level: Low
Extraction Lot: KWG0514184

Analyte Name	Lab Control Sample KWG0514184-3 Lab Control Spike			Duplicate Lab Control Sample KWG0514184-4 Duplicate Lab Control Spike			%Rec Limits	RPD	RPD Limit
	Result	Expected	%Rec	Result	Expected	%Rec			
Phenol	152	250	61	156	250	62	30-107	2	40
1,4-Dichlorobenzene	143	250	57	150	250	60	38-92	5	40
1,2-Dichlorobenzene	152	250	61	161	250	64	39-96	6	40
Benzyl Alcohol	153	250	61	162	250	65	32-102	6	40
2-Methylphenol	141	250	56	149	250	59	17-97	5	40
4-Methylphenol	143	250	57	151	250	60	14-99	5	40
2,4-Dimethylphenol	89.8	250	36	96.3	250	39	10-72	7	40
Benzoic Acid	232	750	31	276	750	37	10-83	17	40
1,2,4-Trichlorobenzene	150	250	60	156	250	62	37-98	4	40
Naphthalene	156	250	62	165	250	66	39-97	5	40
Hexachlorobutadiene	149	250	59	153	250	61	38-96	3	40
2-Methylnaphthalene	158	250	63	166	250	66	38-95	5	40
Acenaphthylene	187	250	75	198	250	79	46-106	6	40
Dimethyl Phthalate	173	250	69	189	250	76	44-107	9	40
Acenaphthene	169	250	67	176	250	71	42-98	5	40
Dibenzofuran	164	250	65	174	250	70	41-99	6	40
Fluorene	171	250	68	184	250	73	43-104	7	40
Diethyl Phthalate	180	250	72	199	250	80	45-114	10	40
N-Nitrosodiphenylamine	184	250	74	201	250	80	27-123	9	40
Hexachlorobenzene	179	250	72	196	250	78	49-107	9	40
Pentachlorophenol	151	250	61	169	250	68	25-114	11	40
Phenanthrene	176	250	71	191	250	77	48-101	8	40
Anthracene	178	250	71	197	250	79	50-106	10	40
Di-n-butyl Phthalate	191	250	76	209	250	84	49-126	9	40
Fluoranthene	181	250	73	199	250	80	51-119	9	40
Pyrene	182	250	73	204	250	81	51-109	11	40
Butyl Benzyl Phthalate	185	250	74	208	250	83	54-123	11	40
Benz(a)anthracene	191	250	76	217	250	87	57-115	13	40
Chrysene	187	250	75	210	250	84	59-120	12	40
Bis(2-ethylhexyl) Phthalate	188	250	75	207	250	83	52-136	9	40
Di-n-octyl Phthalate	182	250	73	192	250	77	54-127	5	40
Benzo(b)fluoranthene	185	250	74	210	250	84	54-116	13	40
Benzo(k)fluoranthene	190	250	76	216	250	86	56-115	13	40
Benzo(a)pyrene	179	250	72	203	250	81	53-120	13	40
Indeno(1,2,3-cd)pyrene	187	250	75	212	250	85	52-125	13	40
Dibenz(a,h)anthracene	184	250	74	208	250	83	53-122	12	40

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Kennedy/Jenks Consultants, Incorporated
Project: BNSF-Harborview/0496017
Sample Matrix: Soil

Service Request: K0503178
Date Extracted: 08/21/2005
Date Analyzed: 09/08/2005

Lab Control Spike/Duplicate Lab Control Spike Summary
Semi-Volatile Organic Compounds by GC/MS

Extraction Method: EPA 3541
Analysis Method: 8270C

Units: ug/Kg
Basis: Dry
Level: Low
Extraction Lot: KWG0514184

Analyte Name	Lab Control Sample KWG0514184-3 Lab Control Spike			Duplicate Lab Control Sample KWG0514184-4 Duplicate Lab Control Spike			%Rec Limits	RPD	RPD Limit
	Result	Expected	%Rec	Result	Expected	%Rec			
Benzo(g,h,i)perylene	192	250	77	216	250	86	45-124	12	40

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Kennedy/Jenks Consultants, Incorporated
Project: BNSF-Harborview/0496017
Sample Matrix: Soil

Service Request: K0503178
Date Extracted: 08/21/2005
Date Analyzed: 09/08/2005
Time Analyzed: 11:46

Method Blank Summary
Semi-Volatile Organic Compounds by GC/MS

Sample Name: Method Blank
Lab Code: KWG0514184-5
Extraction Method: EPA 3541
Analysis Method: 8270C

File ID: J:\MS06\DATA\090805\0908F016.D
Instrument ID: MS06
Level: Low
Extraction Lot: KWG0514184

This Method Blank applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Lab Control Sample	KWG0514184-3	J:\MS06\DATA\090805\0908F017.D	09/08/05	12:23
Duplicate Lab Control Sample	KWG0514184-4	J:\MS06\DATA\090805\0908F018.D	09/08/05	12:59
SS-06MS	KWG0514184-1	J:\MS06\DATA\090805\0908F019.D	09/08/05	13:36
SS-06DMS	KWG0514184-2	J:\MS06\DATA\090805\0908F020.D	09/08/05	14:13
SS-06	K0503178-006	J:\MS06\DATA\090805\0908F021.D	09/08/05	14:49
SS-01	K0503178-001	J:\MS06\DATA\090805\0908F022.D	09/08/05	15:26
SS-02	K0503178-002	J:\MS06\DATA\090805\0908F023.D	09/08/05	16:03
SS-03	K0503178-003	J:\MS06\DATA\090805\0908F024.D	09/08/05	16:39
SS-04	K0503178-004	J:\MS06\DATA\090805\0908F025.D	09/08/05	17:16
SS-05	K0503178-005	J:\MS06\DATA\090805\0908F026.D	09/08/05	17:53
SS-07	K0503178-007	J:\MS06\DATA\090805\0908F027.D	09/08/05	18:30
SS-08	K0503178-008	J:\MS06\DATA\090805\0908F028.D	09/08/05	19:07
SS-09	K0503178-009	J:\MS06\DATA\090805\0908F029.D	09/08/05	19:44
SS-10	K0503178-010	J:\MS06\DATA\090805\0908F030.D	09/08/05	20:21
SS-11	K0503178-011	J:\MS06\DATA\090805\0908F031.D	09/08/05	20:58
SS-12	K0503178-012	J:\MS06\DATA\090805\0908F032.D	09/08/05	21:35
SS-13	K0503178-013	J:\MS06\DATA\090805\0908F033.D	09/08/05	22:12

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Kennedy/Jenks Consultants, Incorporated
Project: BNSF-Harborview/0496017
Sample Matrix: Soil

Service Request: K0503178

Lab Control Sample/Duplicate Lab Control Sample Summary
Semi-Volatile Organic Compounds by GC/MS

Sample Name: Lab Control Sample
Lab Code: KWG0514184-3
File ID: J:\MS06\DATA\090805\0908F017.D
Instrument ID: MS06
Date Extracted: 08/21/2005
Date Analyzed: 09/08/2005
Time Analyzed: 12:23

Sample Name: Duplicate Lab Control Sample
Lab Code: KWG0514184-4
File ID: J:\MS06\DATA\090805\0908F018.D
Instrument ID: MS06
Date Extracted: 08/21/2005
Date Analyzed: 09/08/2005
Time Analyzed: 12:59

Extraction Method: EPA 3541
Analysis Method: 8270C

Level: Low
Extraction Lot: KWG0514184

These Lab Control Samples apply to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
SS-11	K0503178-011	J:\MS06\DATA\090805\0908F031.D	09/08/05	20:58
SS-12	K0503178-012	J:\MS06\DATA\090805\0908F032.D	09/08/05	21:35
SS-13	K0503178-013	J:\MS06\DATA\090805\0908F033.D	09/08/05	22:12
Method Blank	KWG0514184-5	J:\MS06\DATA\090805\0908F016.D	09/08/05	11:46
SS-06MS	KWG0514184-1	J:\MS06\DATA\090805\0908F019.D	09/08/05	13:36
SS-06DMS	KWG0514184-2	J:\MS06\DATA\090805\0908F020.D	09/08/05	14:13
SS-06	K0503178-006	J:\MS06\DATA\090805\0908F021.D	09/08/05	14:49
SS-01	K0503178-001	J:\MS06\DATA\090805\0908F022.D	09/08/05	15:26
SS-02	K0503178-002	J:\MS06\DATA\090805\0908F023.D	09/08/05	16:03
SS-03	K0503178-003	J:\MS06\DATA\090805\0908F024.D	09/08/05	16:39
SS-04	K0503178-004	J:\MS06\DATA\090805\0908F025.D	09/08/05	17:16
SS-05	K0503178-005	J:\MS06\DATA\090805\0908F026.D	09/08/05	17:53
SS-07	K0503178-007	J:\MS06\DATA\090805\0908F027.D	09/08/05	18:30
SS-08	K0503178-008	J:\MS06\DATA\090805\0908F028.D	09/08/05	19:07
SS-09	K0503178-009	J:\MS06\DATA\090805\0908F029.D	09/08/05	19:44
SS-10	K0503178-010	J:\MS06\DATA\090805\0908F030.D	09/08/05	20:21

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Kennedy/Jenks Consultants, Incorporated
Project: BNSF-Harborview/0496017

Service Request: K0503178
Date Analyzed: 09/08/2005
Time Analyzed: 10:24

Tune Summary
Semi-Volatile Organic Compounds by GC/MS

File ID: J:\MS06\DATA\090805\0908T011.D
Instrument ID: MS06
Column:

Analysis Method: 8270C
Analysis Lot: KWG0515914

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
51	198	30	80	48.9	48997	PASS
68	69	0	2	0.0	0	PASS
69	198	0	100	58.2	58338	PASS
70	69	0	2	0.0	0	PASS
127	198	25	75	55.6	55736	PASS
197	198	0	1	0.0	0	PASS
198	198	100	100	100.0	100296	PASS
199	198	5	9	7.1	7120	PASS
275	198	10	30	18.4	18416	PASS
365	198	1	100	1.6	1627	PASS
441	443	0	100	76.9	10531	PASS
442	198	40	110	69.8	70032	PASS
443	442	15	24	19.5	13686	PASS

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed	Q
Continuing Calibration Verification	KWG0515914-2	J:\MS06\DATA\090805\0908C011.D	09/08/2005	10:24	
Method Blank	KWG0514184-5	J:\MS06\DATA\090805\0908F016.D	09/08/2005	11:46	
Lab Control Sample	KWG0514184-3	J:\MS06\DATA\090805\0908F017.D	09/08/2005	12:23	
Duplicate Lab Control Sample	KWG0514184-4	J:\MS06\DATA\090805\0908F018.D	09/08/2005	12:59	
SS-06MS	KWG0514184-1	J:\MS06\DATA\090805\0908F019.D	09/08/2005	13:36	
SS-06DMS	KWG0514184-2	J:\MS06\DATA\090805\0908F020.D	09/08/2005	14:13	
SS-06	K0503178-006	J:\MS06\DATA\090805\0908F021.D	09/08/2005	14:49	
SS-01	K0503178-001	J:\MS06\DATA\090805\0908F022.D	09/08/2005	15:26	
SS-02	K0503178-002	J:\MS06\DATA\090805\0908F023.D	09/08/2005	16:03	
SS-03	K0503178-003	J:\MS06\DATA\090805\0908F024.D	09/08/2005	16:39	
SS-04	K0503178-004	J:\MS06\DATA\090805\0908F025.D	09/08/2005	17:16	
SS-05	K0503178-005	J:\MS06\DATA\090805\0908F026.D	09/08/2005	17:53	
SS-07	K0503178-007	J:\MS06\DATA\090805\0908F027.D	09/08/2005	18:30	
SS-08	K0503178-008	J:\MS06\DATA\090805\0908F028.D	09/08/2005	19:07	
SS-09	K0503178-009	J:\MS06\DATA\090805\0908F029.D	09/08/2005	19:44	
SS-10	K0503178-010	J:\MS06\DATA\090805\0908F030.D	09/08/2005	20:21	
SS-11	K0503178-011	J:\MS06\DATA\090805\0908F031.D	09/08/2005	20:58	
SS-12	K0503178-012	J:\MS06\DATA\090805\0908F032.D	09/08/2005	21:35	
SS-13	K0503178-013	J:\MS06\DATA\090805\0908F033.D	09/08/2005	22:12	

Results flagged with an asterisk (*) indicate the analysis performed outside specified tune window

Appendix E

Wetland Regulatory Correspondence



REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY
SEATTLE DISTRICT, CORPS OF ENGINEERS
P.O. BOX 3755
SEATTLE, WASHINGTON 98124-3755

COPY

Regulatory Branch

SEP - 2 2005

Mr. Bruce Sheppard
Environmental Remediation
Burlington Northern Santa Fe Railway Company
2454 Occidental Avenue, Suite 1A
Seattle, Washington 98134

Reference: 200500735

Burlington Northern Santa Fe Railroad Company

Dear Mr. Sheppard:

This letter concerns your proposal to place fill into wetlands on your property located in the Puget Sound watershed at Everett, Washington. After reviewing your submitted information and our office resources and after visiting the site on July 21, 2005, we have determined the wetlands shown in the enclosed drawing dated March 25, 2003 are not waters of the United States. As such, the work that would occur within the boundary marked on the enclosed drawings does not require Department of the Army authorization under Section 404 of the Clean Water Act.

Other state and local regulations may still apply to these wetlands. For example, the Washington State Department of Ecology (Ecology) may regulate these wetlands. The enclosed Ecology letter and Ecology *Focus* sheet explain how Ecology regulates this type of wetland. You should contact Ecology's Office of Regulatory Assistance's One-Stop Service Center at (800) 917-0043 or ecypac@ecy.wa.gov for more information on how to obtain State approval for your project. We are sending a copy of this letter to Ecology and to the Environmental Protection Agency's Aquatic Resources Unit.

This jurisdictional determination is valid for a period of 5 years from the date of this letter unless new information warrants revision of our determination. In certain circumstances, you have the right to appeal our determination that these wetlands are not waters of the United States. Enclosed is a packet of information about our appeals process.

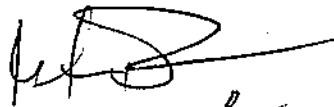
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SEP 07 2005

</J Federal Way

A copy of this letter with drawings will be furnished to Mr. Ross Dunning, P.E., Kennedy/Jenks Consultants, 32001 - 32nd Avenue South, Suite 100, Federal Way, Washington 98001. If you have any questions about this letter or any aspect of our regulatory program, please contact Ms. Susan Glenn, of my staff, at (206) 764-6904 or via email at Susan.S.Glenn@usace.army.mil.

Sincerely,



Michelle Walker
Chief, Regulatory Branch

Enclosures

cc with drawings and JD form:

Washington Department of Ecology
ATTN: Office of Regulatory Assistance's One-Stop Service Center

Environmental Protection Agency
ATTN: Mr. Gary Voerman



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

P.O. Box 47600 • Olympia, Washington 98504-7600
(360) 407-6000 • TDD Only (Hearing Impaired) (360) 407-6006

August 21, 2001

RE: Isolated Wetlands

Dear Interested Parties:

A U.S. Supreme Court decision last January regarding how isolated wetlands are regulated by federal agencies has generated a lot of questions by landowners and developers. I wanted to let you know how this Court decision affects state regulations.

The court ruled that the *federal* Clean Water Act does not apply to "isolated" wetlands where the only interstate-commerce connection is use by migratory birds. Isolated wetlands are those that are not adjacent or connected to a navigable water body, such as a river, lake or marine waters. However, they still perform the same important environmental functions as other wetlands, including recharging streams and aquifers, storing flood waters, filtering pollutants from water, and providing habitat for a host of plants and animals.

Based on the Supreme Court's ruling, the U.S. Army Corps of Engineers no longer has regulatory oversight of most isolated wetlands – although a Corps permit is still required for isolated wetlands with other interstate-commerce use (e.g., recreation, industrial, etc.) and for wetlands that are connected to a navigable water body.

However, the Supreme Court ruling did not change Washington state laws on wetlands. The *state* Clean Water Act makes no distinction between types of wetlands. All "waters of the state" are covered by the law, and that includes isolated wetlands. Additionally, isolated wetlands in Washington also are regulated under the state's Growth Management Act (GMA). Thus, most projects that affect isolated wetlands should be regulated by the applicable city or county.

It's not always easy to tell if a wetland is isolated. Landowners who want to develop a wetland they believe is isolated should contact the Corps of Engineers and request a formal "jurisdictional determination" to avoid future legal problems and fines.

The state Department of Ecology (Ecology) will continue regulating all wetlands – including isolated wetlands -- and applying the water quality standards called for in the state law. However, the department's process for reviewing projects involving isolated wetlands will now be different from the process for other types of wetlands.



Isolated Wetlands

August 21, 2001

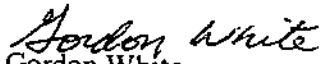
Page 2 of 2

Instead of using the 401 Water Quality Certification process (triggered by a 404 permit from the Corps), Ecology will use administrative orders to regulate projects involving isolated wetlands. An administrative order is a written document that specifies what must be done to comply with the state water quality standards. The basic review standards will remain the same as with a 401 certification, but the process will be more streamlined, since federal agencies will not be involved in reviewing the projects.

To seek an administrative order for a project that will affect isolated wetlands, landowners should contact the Permit Assistance Center at the Department of Ecology after receiving a written determination from the Corps that the wetland is, in fact, isolated. The phone number is 800-917-0043 or 360-407-7037, and the e-mail address is ecypac@ecy.wa.gov. More information is available on our web site at www.ecy.wa.gov/programs/sea/pac.

If you have any questions or would like to discuss these issues in more detail please contact Andy McMillan on my staff at 360/407-7272 or anmc461@ecy.wa.gov or contact me at 360/407-6977 or gwhi461@ecy.wa.gov.

Sincerely,


Gordon White

Program Manager

Shorelands and Environmental Assistance Program



Focus

Isolated Wetlands - Changes in the Regulatory Process

Supreme Court Decision

A U.S. Supreme Court decision last January regarding how wetlands are regulated has generated a lot of questions by landowners and developers.

The court ruled that the federal Clean Water Act does not apply to those "isolated" wetlands where the only interstate commerce connection is use by migratory birds. This ruling overturned 15 years of regulation of isolated wetlands by the U.S. Army Corps of Engineers. While the court did not define the term "isolated," the Corps has previously considered isolated wetlands to be those that are not adjacent to or connected via surface water to a navigable water body, such as a river, lake or marine waters.

Changes in Regulatory Process

Based on the Supreme Court's ruling, federal agencies no longer have regulatory oversight of these important environmental resources. More specifically, landowners no longer need a permit from the U.S. Army Corps of Engineers to fill in most isolated wetlands - although a Corps permit is still required for isolated wetlands with other interstate commerce use (recreation, industrial, etc.) as well as wetlands that are connected to a navigable water body.

However, the Supreme Court ruling did not change Washington state laws on wetlands. The state Clean Water Act (90.48 RCW) makes no distinction between types of wetlands. Rather, all "waters of the state" are covered by the law, and isolated wetlands are considered waters of the state.

It's not always easy to tell if a wetland is isolated. Landowners who want to develop an isolated wetland should contact the Corps of Engineers and request a formal jurisdictional determination to avoid any future legal problems and fines.

Why Regulate Isolated Wetlands?

Isolated wetlands in Washington perform many of the same important environmental functions as other wetlands, including recharging streams and aquifers, storing flood waters, filtering pollutants from water, and providing habitat for a host of plants and animals. Many wildlife species, including amphibians and waterfowl, are particularly dependent on isolated wetlands for breeding and foraging.

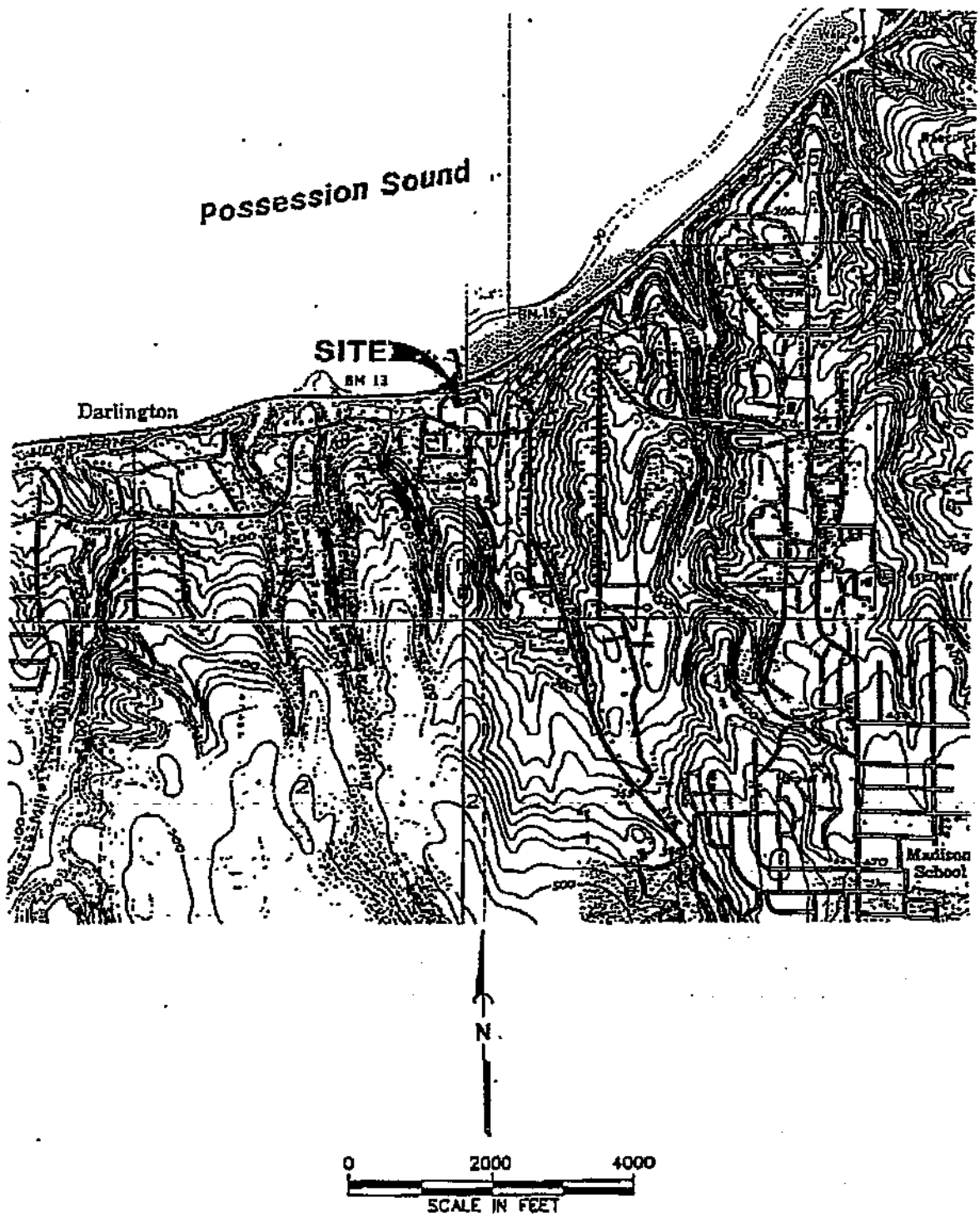
State Process

- ❖ Any project that calls for filling or altering a wetland determined by the Corps to be isolated will still be subject to regulation by the state. The state's process for reviewing projects that involve isolated wetlands will be different from the 401 Water Quality Certification process that is triggered by the Corps' 404 permit. Rather, Ecology will use administrative orders to regulate projects that will have impacts to isolated wetlands. The standards of review will remain the same as under 401 water-quality certifications - that is, the state water-quality standards for surface waters (WAC 173-201A). Anyone who wants more information about the review standards should obtain the following two publications: Water Quality Guidelines for Wetlands, Publication # 96-06; and How Ecology Regulates Wetlands, Publication # 97-112. These can be obtained by contacting Jean Witt at 360-407-7472 or jewi461@ecy.wa.gov.

To seek an administrative order for a project that involves isolated wetlands, landowners should contact the Permit Assistance Center at the Department of Ecology, where our staff will guide you through the regulatory process. The phone number is 800-917-0043 or 360-407-7037, and the e-mail address is ecypac@ecy.wa.gov.

GMA Regulations

Additionally, applicants should be aware that isolated wetlands in Washington also are regulated under the state's Growth Management Act. Thus, projects with impacts to isolated wetlands typically will require approval from the applicable city or county.



Reference: USGS 7.5' topographic quadrangle maps, "Everett, WA," and "Mukilteo, WA," dated 1953, photorevised in 1968 and 1973, and by GeoEngineers in Tacoma, dated May 15, 1997.

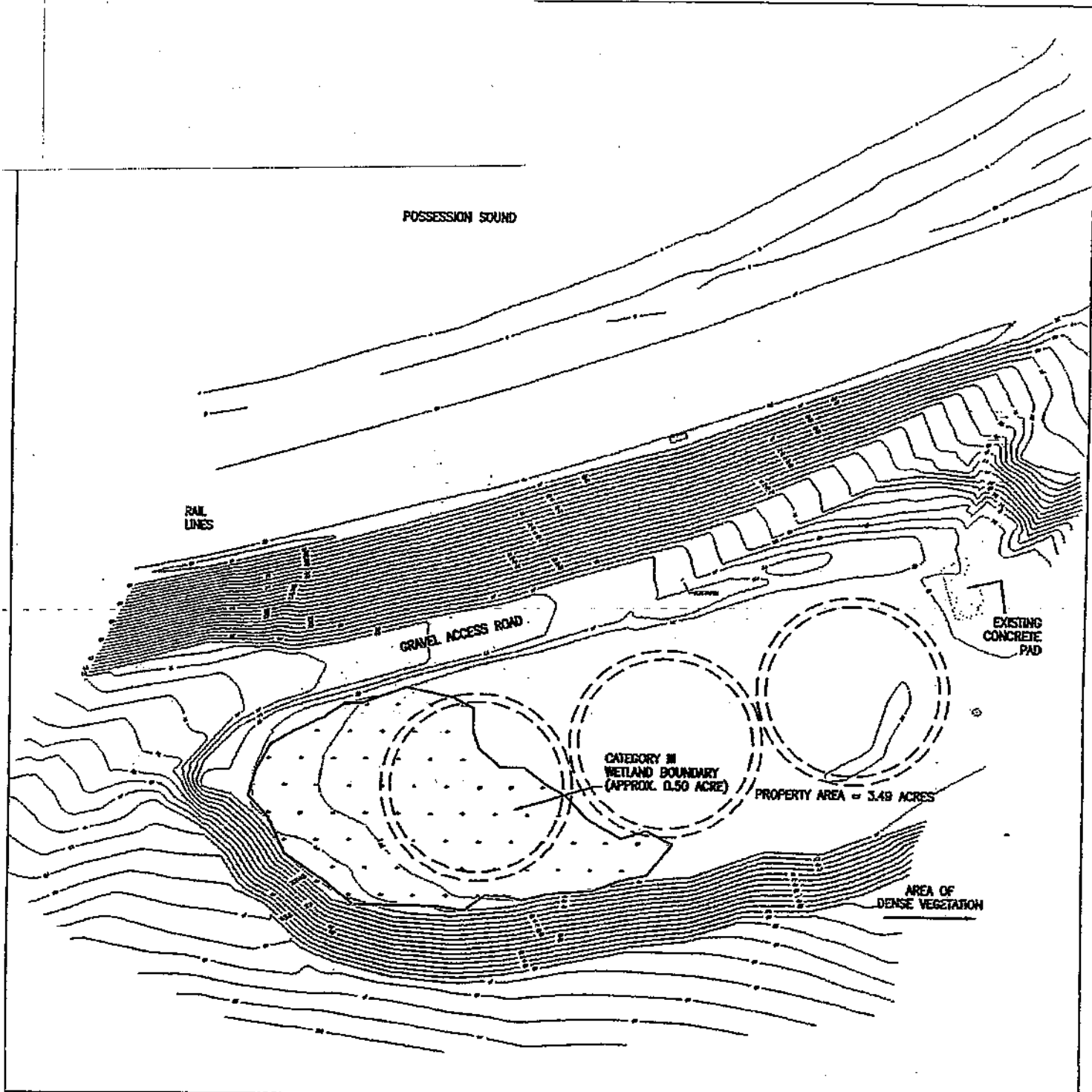
BNSF HARBORVIEW PARK
1621 MUKILTEO BLVD. SW
EVERETT, WA

VICINITY MAP

HARBORVIEW PARK
WETLAND DELINEATION

SHEET 1 OF 2

Reference: 2005 00735



LEGEND



SCRUB-SHRUB WETLAND AREA



APPROXIMATE LOCATION OF FORMER ABOVE GROUND STORAGE TANK

Harborview Park Project Wetland Boundary Map



SHEET 2 OF 2



CONTOUR INTERVAL 2 FEET

0 30 60

APPROXIMATE SCALE IN FEET

DATE: 03/25/03

FILE: 304 - 002

REVISION: 2/20/05 735



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

Northwest Regional Office • 3190 160th Avenue SE • Bellevue, Washington 98008-5452 • (425) 649-7000

October 7, 2005

REGISTERED MAIL
RR 359 893 791 US

BNSF Railway Company
ATTN: Bruce Sheppard, Manager Environmental Remediation
2454 Occidental Avenue - Suite 1A
Seattle WA 98134

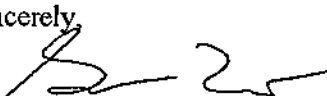
Dear Mr. Sheppard:

RE: **Administrative Order No. 2849: Administrative Order for excavation of contaminated soil and placement of clean fill in 0.50 acre of isolated wetlands as part of remediation of a 2-acre parcel containing petroleum hydrocarbon-affected soils at the former aboveground storage area adjacent to the railroad right-of-way west of Harborview Park, City of Everett, Snohomish County, Washington.**
Corps of Engineers Reference No. 200500735

The request for an administrative order for proposed work in isolated wetlands adjacent to Possession Sound as part of remediation of the former aboveground storage area adjacent to the railroad right-of-way and west of Harborview Park, City of Everett, Snohomish County has been reviewed. The State of Washington has determined that the proposed work, as condition by the enclosed Order, will comply with applicable provisions of Chapter 90.48 RCW and other appropriate requirements of State law. The Order does not authorize placement of fill in wetlands determined to be regulated by the Army Corps of Engineers.

This approval is subject to the conditions contained in the enclosed Order. If you have any questions, please contact Laura Casey at (425) 649-7148 or (425) 649-7000. Written comments can be sent to her at the Department of Ecology, Northwest Regional office, 3190 160th Avenue SE, Bellevue, WA 98008 or at cala461@ecy.wa.gov. The enclosed Order may be appealed by following the procedures described in the Order.

Sincerely,


Geoff Tallent
Interim Section Manager
Shorelands and Environmental Assistance Program

GT:RP:rc

cc: Susan Glenn, U.S. Army Corps of Engineers
Gerry Ervine, City of Everett
Chung Yee, Ecology
Loree' Randall, Ecology

Ross Dunning, Kennedy/Jenks Consultants
David Pater, Ecology
Penny Keys, Ecology

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OCT 11 2005

U Federal Way



DEPARTMENT OF ECOLOGY

IN THE MATTER OF THE REQUEST BY)
BURLINGTON NORTHERN SANTA FE)
RAILWAY COMPANY FOR AN) ORDER NO. 2849
ADMINISTRATIVE ORDER TO CONDUCT)
WORK IN ISOLATED WETLANDS)

TO: Burlington Northern Santa Fe Railway Company
ATTN: Bruce Sheppard, Manager, Environmental Remediation
2454 Occidental Avenue, Suite 1A
Seattle, Washington 98134

This is an Administrative Order requiring Burlington Northern Santa Fe Railway Company to comply with Chapter 90.48 RCW and the rules and regulations of the Department of Ecology (Ecology) by taking certain actions which are described below. RCW 90.48.120(1) authorizes Ecology to issue Administrative Orders requiring compliance whenever it determines that a person has violated or creates a substantial potential to violate any provision of Chapter 90.48 RCW. This Order does not authorize Burlington Northern Santa Fe Railway Company to place fill in wetlands that are under Army Corps of Engineers jurisdiction (Corps Reference No. 200500735).

On June 20, 2005, Bruce Sheppard, Burlington Northern Santa Fe Railway Company submitted a request to excavate contaminated soil and place clean fill in an isolated wetland as part of remediation of a 2-acre parcel containing petroleum hydrocarbon-affected soils at the former aboveground storage area adjacent to the railroad right-of-way west of Harborview Park, City of Everett, Snohomish County, Washington. The Jurisdictional Determination issued by the Corps of Engineers on September 2, 2005 indicated that there is one isolated wetland on site, totaling 0.50 acre of isolated wetland fill necessary to complete the project.

In view of the foregoing and in accordance with RCW 90.48.120(1):

This Order issued to Burlington Northern Santa Fe Railway Company shall be subject to the following conditions:

1. Burlington Northern Santa Fe Railway Company shall perform the remediation in a manner consistent with the project description contained in the Joint Aquatic Resources Permit Application (JARPA) submitted to Ecology June 20, 2005, or as otherwise approved by Ecology.
2. Project mitigation and monitoring shall be performed as described in the Wetland Mitigation Planting Plan for the BNSF Harborview Park Project dated March 8, 2005, plan revisions in an e-mail from Kennedy/Jenks Consultants dated September 8, 2005, and the City of Everett Shoreline Substantial Development permit SMA #05-004, or as otherwise approved by Ecology.
 - a) Following remediation of the property, the entire upland area including the current wetland area shall be hydroseeded using a seed mix of predominantly native species.

- b) After two growing seasons following site remediation, the Applicant and/or the City of Everett shall determine the extent of the wetland that exists on the site at that time. A written report describing these monitoring results will be submitted to the Department of Ecology's Federal Permit Coordinator at the Northwest Regional Office, 3190 160th Avenue SE, Bellevue, Washington 98008. Refer to Corps Reference #200500735, Order #2849 on the submittals.
- c) Following the determination of the extent of wetlands remaining on the site, the Applicant shall either install wetland species in accordance with the Wetland Mitigation Planting Plan for the BNSF Harborview Park Project dated March 8, 2005, or shall present an alternate wetland restoration or mitigation plan to Ecology based on the planned site use at that time.
- d) An "as-built" report and drawing documenting the final design of the mitigation area shall be prepared when mitigation planting required above is completed. The "as-built" documents shall include the following:
 - Final site topography;
 - Photographs of the areas taken from permanent reference points;
 - The installed planting scheme showing quantities, densities, sizes, and approximate locations of plants, as well as plant sources and the time of planting;
 - Locations of permanent monitoring sites; and
 - An analysis of any changes to the mitigation plan that occurred during construction.

A copy of the "as-built" report and drawing shall be sent to Ecology's Federal Permit Coordinator at the Northwest Regional Office, 3190 160th Avenue SE, Bellevue, Washington 98008 within 60 days of completing mitigation construction and planting, and in no case later than June 30, 2007. Refer to Corps Reference #200500735, Order #2849 on the submittals.

- 3. Burlington Northern Santa Fe Railway Company shall provide notice to Laura Casey at Ecology's Shorelands and Environmental Assistance Program at (425) 649-7148 or (425) 649-7000, or by e-mail at cala461@ecy.wa.gov at least 3 days prior to the start of placing fill in wetlands or other waters of the state.
- 4. Burlington Northern Santa Fe Railway Company shall provide access to the project and mitigation site upon request by Ecology.
- 5. This Order does not exempt and is provisional upon compliance with other statutes and codes administered by federal, state, and local agencies.
- 6. Copies of this Order shall be kept on the job site and readily available for reference by Ecology personnel, the construction superintendent, construction managers and foremen, and state and local government inspectors.
- 7. Nothing in this Order waives Ecology's authority to issue additional orders if Ecology determines further actions are necessary to implement the water quality laws of the state.

Further, Ecology retains continuing jurisdiction to make modifications hereto through supplemental order, if additional impacts due to project construction or operation are identified (e.g., violations of water quality standards, downstream erosion, etc.), or if additional conditions are necessary to further protect the public interest.

Failure to comply with this Order may result in the issuance of civil penalties or other actions, whether administrative or judicial, to enforce the terms of this Order.

You have the right to appeal this Order to the Pollution Control Hearings Board. Pursuant to chapter 43.21B RCW, your appeal must be filed with the Pollution Control Hearings Board, and served on the Department of Ecology within thirty (30) days of the date of your receipt of this document.

To appeal this Order, your notice of appeal must contain a copy of the Ecology Order you are appealing.

Your appeal must be filed with:

The Pollution Control Hearings Board
4224 - 6th Avenue SE, Rowe Six, Bldg. 2
P.O. Box 40903
Lacey, Washington 98504-0903

Your appeal must also be served on:

The Department of Ecology
Appeals Coordinator
P.O. Box 47608
Olympia, Washington 98504-7608.

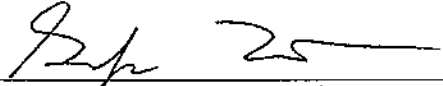
In addition, please send a copy of your appeal to:

Federal Permit Appeals Coordinator
Department of Ecology
P.O. Box 47600
Olympia, Washington 98504-7600

For additional information: Environmental Hearings Office Website: <http://www.eho.wa.gov>

Your appeal alone will not stay the effectiveness of this Order. Stay requests must be submitted in accordance with RCW 43.21B.320. These procedures are consistent with Ch. 43.21B RCW.

DATED October 7, 2005 in Bellevue, Washington.



Geoff Tallent
Interim Section Manager
Shorelands and Environmental Assistance Program



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

Northwest Regional Office 3190 160th SE Bellevue, Washington 98008-5452 (425) 649-7000

COPY

July 30, 2007

CERTIFIED MAIL
7006 0810 0006 6833 9575

Ross Dunning
Kennedy/Jenks Consultants
32001 32nd Avenue South, Suite 100
Federal Way, WA 98001

Dear Mr. Dunning:

RE: Harborview Park Remediation and Isolated Wetland Restoration

Thank you for contacting the Washington State Department of Ecology (Ecology) regarding the status of the wetland restoration at the Harborview Park remediation site in the City of Everett (Tax Parcel Number 29043500401800). As stated in your June 25, 2007 email, you contacted Ecology for project closure following two years of monitoring of the wetland restoration on the project site as directed in Administrative Order No. 2849 issued by Ecology October 7, 2005. Site monitoring shows that after the soil replacement, wetland hydrology is no longer present at the site.

Administrative Order No. 2849 authorized removal of petroleum contaminated soils and replacement with clean fill within a 0.50-acre isolated wetland as part of site remediation. Following the soil replacement, the wetland was to be planted with native species and monitored for two years, as described in the *Wetland Mitigation Planting Plan for the BNSF Harborview Park Project* dated March 8, 2005.

I have reviewed the project file and related background information, such as the National Wetlands Inventory maps and soil survey data, and discussed this project with my supervisor, Erik Stockdale. Following this review, I agree that the onsite wetland hydrology found before the remediation was likely an artifact of the high soil petroleum content. Replacement of the contaminated soils restored permeability more consistent with the mapped native soil series, Alderwood gravelly sandy loam. The lack of wetland hydrology following the site remediation is characteristic of the soils around the remediation site. Therefore, no further mitigation will be required by Ecology for the 0.50-acre isolated wetland and the mitigation conditions of Administrative Order No. 2849 have been met.

RECEIVED

JUL 31 2007

K/J Federal Way

Ross Dunning
RE: Harborview Park Isolated Wetland Restoration
July 30, 2007
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If you have any questions, please give me a call at (425) 649-7148 or send an email to paan461@ecy.wa.gov.

Sincerely,



Paul Anderson
Wetland Specialist
Shorelands and Environmental Assistance Program

PSA: ca

cc: Erik Stockdale, Ecology 401/Wetlands Supervisor
Teri Granger, Ecology Wetland Regulatory Effectiveness Program
Chung Yee, Ecology Underground Storage Tank Program
Gerry Ervine, City of Everett