

March 28, 2002

102-26-047
100-26-097
SECOR
International Incorporated

Mr. John Carnahan
State of Alaska
Alaska Department of Environmental Conservation
610 University Avenue
Fairbanks, Alaska

RECEIVED

RE: Remedial Soils Excavation and UST Removal
Former Chevron Service Station #9-2114
3350 College Road
Fairbanks, Alaska

MAR 29 2002

**CONTAMINATED
SITES
FAIRBANKS**

Dear Mr. Carnahan:

SECOR International Incorporated (SECOR), on behalf of Chevron Products Company, is pleased to submit this Letter Report to document remedial soils excavation at the former Chevron Service Station 9-2114, located at 3350 College Road, in Fairbanks, Alaska (the Site). Excavation activities occurred during the period extending from October 8 through October 23, 2001

SITE BACKGROUND

The former Chevron service station located in a business district in northern Fairbanks, Alaska (Figure 1). The legal description of the subject site is Lot 6 of Block 13 of the North Shanly Subdivision, located in the Northwest ¼ of Section 5, Township 1 South, Range 1 West, Fairbanks Baseline and Meridian system. The site address is 3350 College Road, Fairbanks, Alaska.

Site sediments are composed of fine-grained sand and fine silty sands in the shallow site subsurface. Isolated deposits of native loess are also found in the subsurface. Groundwater within the Fairbanks area is generally considered to flow to the northwest with localized variations caused by the presence of permafrost. The direction of groundwater flow seasonally reverses in response to stages of the Tanana and Chena Rivers.

In 1986, the known underground storage tanks (USTs) and buildings associated with the former Chevron Station were removed from the project site. Shannon & Wilson (S&W) of Fairbanks, Alaska, conducted drilling on the subject property in 1992. The Laboratory analytical results from the soil samples collected by S&W indicated the presence of volatile organics and petroleum hydrocarbons in the soil. Groundwater was encountered during the investigation and a petroleum-type sheen was observed on the water surface.

EXCAVATION ACTIVITIES

During the period from October 8 through October 24, 2001, Mr. Ronald Chinn (SECOR) worked with Rowcon Services (Rowcon) to perform a remedial overexcavation of the former underground storage tank (UST) complex and the fuel islands. During this period, a total of 1,232 tons of impacted soil were removed and transported to Organic Incineration Technologies, Inc. (OIT) for

thermal destruction. The material was handled and transported in accordance with applicable regulations governing RCRA exempt materials. Certification of RCRA exempt status is included in Attachment A. An e-mail documenting Alaska Department of Environmental Conservation (DEC) approval for transport and disposal at OIT is included in Attachment B.

EXPLORATORY POTHOLE SAMPLING

On October 8, 2001, SECOR oversaw the installation of four test pits in the former UST complex to evaluate the extent of hydrocarbon impact to the subsurface, and to collect pre-profiling samples for disposal at OIT. Samples were analyzed for Gasoline Range Organics (GRO) and benzene, toluene, ethylbenzene, and xylenes (BTEX) by Alaska Method AK101, and Diesel Range Organics (DRO) by AK102. Additionally, samples were collected for RCRA 8 Metals by EPA Method 3050. These samples were submitted to Northern Testing Laboratories under Chain of Custody protocols.

Analytical Results of the test pit samples indicated GRO was present at concentrations ranging from 212 mg/kg (Pothole C) to 2,680 mg/kg (Pothole D). DRO was present at concentrations ranging from 644 mg/kg (Pothole B) to 1,710 mg/kg (Pothole C). Benzene was found to be present at concentrations ranging from 1.22 mg/kg (Pothole C) to 22.1 mg/kg (Pothole D). Results of the RCRA 8 Metals tests indicated that the material did not contain sufficient metals to be considered hazardous waste. The analytical data are presented in tabular form in Table 1. Certified analytical reports are presented in Attachment C.

FORMER WASTE OIL AND HEATING OIL UST SAMPLING ACTIVITIES

On October 10, 2001, SECOR oversaw exploratory potholing activities of the former waste oil UST and former heating oil UST locations. The property owner, Mr. Mark Neilsen, provided historic knowledge of the station layout to direct the exploratory potholing activities. In both locations, exploratory potholing uncovered remains of abandoned tank facilities, however no tanks or soil staining were present. Soil samples were collected from the bottom of the potholes, and submitted to North Creek Analytical under Chain of Custody protocols for analysis of Residual Range Organics (RRO), DRO, and GRO.

Analytical Results of the test pit samples indicated GRO and RRO were not present at either pothole location. DRO was present at concentrations ranging from 5.07 mg/kg (Waste Oil Pothole) to 4.03 mg/kg (Heating Oil Pothole). Benzene was found to be present at concentrations ranging from 0.0331 mg/kg (Waste Oil Pothole) to 0.0179 mg/kg (Heating Oil Pothole). The analytical data are presented in tabular form in Table 2. Certified analytical reports are presented in Attachment C.

UST COMPLEX OVEREXCAVATION

From October 8 to October 12, 2001, SECOR oversaw the excavation of the UST complex. During this period, approximately 800 tons of material was removed from the tank pit. The dimensions of the excavation were approximately 40' by 50', and extended to a depth of approximately 10 feet. The lateral extent of the excavation is shown in Figure 2.

Excavated soils consisted primarily of native loess, and sand and gravel backfill material. The native loess extended to the total depth of the excavation, however in isolated locations, fine-grained sand was found to be present at the bottom of the excavation. Over ten tons of debris, consisting of piping, concrete, and various station debris were excavated and removed.

An exploratory pothole to approximately 18 feet below ground surface (bgs) was advanced in the center of the UST complex. Soil at this depth was saturated, indicating that groundwater had been reached. A moderate hydrocarbon odor was detected from the soil; however, no sheen was observed on the water surface.

On October 12, 2001, five sidewall samples were collected from the southern and eastern portion of the excavation to further evaluate the extent of contamination. Samples were collected at approximately 6' bgs, located at the halfway point on the excavation face. Soil samples were submitted to Northern Testing Laboratories under Chain of Custody protocols for analysis of DRO, GRO and BTEX. Sidewall sample locations are shown in Figure 2.

Analytical results of the sidewall samples showed that sample E Wall 2 contained the highest concentrations of petroleum hydrocarbons, with GRO, DRO, and benzene present at 4,720 mg/kg, 1,210 mg/kg, and 24.2 mg/kg, respectively. This sample was collected from a point immediately adjacent to the former pump island facilities. In a conversation with Mr. John Carnahan on October 15, 2001, it was agreed that the former pump island area should be excavated.

Analytical results of the remaining samples indicated that GRO was present at concentrations ranging from 3,270 mg/kg (W Wall 2 @ 6') to 54.47 mg/kg (S Wall 1 @ 6'). DRO was found to be present at concentrations ranging from 37,900 mg/kg (W Wall 1 @ 6') to 54.9 (E Wall 3 @ 6'). Benzene was present at concentrations ranging from 36.4 mg/kg (W Wall 1 @ 6') to below method reporting limits in S Wall 1 @ 6'. The analytical data are presented in tabular form in Table 3. Certified analytical reports are presented in Attachment C.

PUMP ISLAND OVEREXCAVATION

From October 18 through October 20, 2001, SECOR directed Rowcon in overexcavation of the former pump islands. The soils excavated were similar to the soils encountered during the overexcavation of the UST complex, consisting of native loess and sand and gravel backfill material. Additional station debris was removed from the former pump island area.

By October 20, 2001, overexcavation of the former pump island was complete, resulting in an increase of an approximately 20' by 40' area, to a depth of approximately 10' bgs. Three additional sidewall samples were collected to represent the newly excavated area, designated as E Wall 4 through 6.

Analytical results of the excavation samples indicated that GRO was present at concentrations ranging from 6,070 mg/kg (E Wall 4@6') to 8.78 mg/kg (E Wall 6@6'). DRO was found to be present at concentrations ranging from 1,060 mg/kg (E Wall 4@6') to 10.3 (E Wall 5@6'). Benzene compounds were found to be present at concentrations ranging from 8.90 mg/kg (E Wall 4@6') to 0.176 mg/kg (E Wall 6@6'). The analytical data are presented in tabular form in Table 3. Certified analytical reports are presented in Attachment C.

BOTTOM SAMPLE COLLECTION

On October 20, 2001, eight soil samples were collected from the excavation bottom, designated as Bottom A through Bottom H. Samples were collected at an approximate depth of 10' bgs, and submitted to an Alaska certified analytical laboratory under Chain of Custody protocols. The locations of the bottom samples are shown on Figure 3.

Analytical results of the remaining samples indicated that GRO was present at concentrations ranging from 3,430 mg/kg (Bottom A) to 4.81 mg/kg (Bottom C). DRO was found to be present at concentrations ranging from 116 mg/kg (Bottom H) to 7.44 (Bottom C). Benzene compounds were found to be present at concentrations ranging from 7.24 mg/kg (Bottom A) to 0.0632 mg/kg (Bottom C). The analytical data are presented in tabular form in Table 4. Certified analytical reports are presented in Attachment C.

SOIL IMPACT DELINEATION SAMPLES

On October 23, 2001, SECOR collected four soil impact delineation samples surrounding the excavation. The sample locations were chosen at points approximately 15 feet from the edge of the excavation. These samples were collected at a total depth of 6' bgs, and were designated Delineation 1 through Delineation 4. The locations of these sample points are presented on Figure 2.

Analytical results of the remaining samples indicated that GRO was present at concentrations ranging from 3,150 mg/kg (Delineation 2@6') to below method reporting limits (Delineation 4@6'). DRO was found to be present at concentrations ranging from 479 mg/kg (Delineation 2@6') to below method reporting limits (Delineation 3@6'). Benzene compounds were found to be present at concentrations ranging from 1.89 mg/kg (Delineation 2@6') to 0.0216 mg/kg (Delineation 1@6'). The analytical data are presented in tabular form in Table 5. Certified analytical reports are presented in Attachment C.

UNDERGROUND STORAGE TANK DISCOVERY

On October 23, 2001, an Underground Storage Tank (UST) was discovered during collection of soil delineation samples. The tank was located approximately 20 feet north of the western edge of the excavation. Upon discovery, the tank was accidentally ruptured by the excavator, however the tank's contents were not released. The tank appeared to have a 500-gallon capacity, and measured approximately 7 feet long, with a 3.5-foot diameter. In accordance with regulatory requirements, DEC was notified of the tank's discovery within 24 hours.

On October 24, 2001, Rowcon transferred the tank's contents into a 55-gallon drum for eventual disposal. The tank contained approximately 20 gallons of weathered gasoline. A sample of the product was collected and submitted to Northern Testing Laboratories for analysis of GRO, DRO, and RRO. During tank removal, the tank was found to be in generally good condition, with no apparent holes or leaks. No soil staining was observed, however the soil immediately adjacent to the tank did possess a moderately strong hydrocarbon odor. The tank and 55 gallon drum were transported offsite by Rowcon for temporary storage, pending analytical results and approval for disposal at OIT.

During limited overexcavation of the 500-gallon UST tank pit, an additional tank was found. This tank was partially crushed, and did not contain any liquids. The tank was labeled "GAS" and "NO SMOKING WITHIN 50 FT". The tank's construction and labeling are consistent with an old Aboveground Storage Tank. The tank was removed and disposed of as debris at the local landfill.

The location of the tanks was ultimately overexcavated to the approximate dimensions of 20' by 8', with a 10' depth. Sidewall samples and a bottom samples were collected and submitted to Northern Testing Laboratories for analysis of GRO + BTEX and DRO. The sample locations are shown on Figures 2 and 3, respectively.

Analytical results of the tank contents indicated that GRO was present at a concentration of 66,900,000 µg/L. DRO was found to be present at a concentration of 830,000 mg/kg. RRO was not found to be present at a concentration of above the method reporting limit.

Analytical results of the tank sidewall and tank bottom samples indicated that GRO was present at concentrations ranging from 677 mg/kg (Tank W Wall @6') to 176 mg/kg (Tank Bottom @10'). DRO was found to be present at concentrations ranging from 13,300 mg/kg (Tank E Wall @6') to 429 (Tank Bottom @10'). Benzene compounds were found to be present at concentrations ranging from 20.3 mg/kg (Tank S Wall @6') to 1.15 mg/kg (Tank Bottom @10'). The analytical data are presented in tabular form in Table 6. Certified analytical reports are presented in Attachment C.

HYDROCARBON MASS REMOVAL ESTIMATE

SECOR calculated an estimation of hydrocarbon mass removal. This estimation was based on the volume of soil excavated and the average petroleum hydrocarbon concentrations in sidewall samples collected from the UST complex overexcavation, the pump island overexcavation, and the overexcavation of the discovered UST. The sidewall samples are assumed to be representative of soil contamination from ground surface to 10 feet bgs. These calculations indicate that approximately 9,775 pounds (lbs.) of DRO, 4,117 lbs. of GRO, and 20 lbs. of benzene were removed from the site though excavation activities. A summary of the calculation of the mass removal estimate is included as Attachment D.

SECOR appreciates the opportunity to submit this Letter Report on behalf of Chevron and trust that it meets with your approval. If you have any questions or comments regarding this document, please do not hesitate to call us at (650) 691-0131.

Sincerely,

SECOR International Incorporated



Mary Waskerman
Staff Scientist



Ronald D. Chinn
Portfolio Manager

Cc: Bob Cochran, Chevron Products Company
Roger Hoffmore, SECOR International, Inc.
Mark Nielson, Estate of Margaret Nielson

Attachments:

Table 1 - Soil Analytical Results – Pothole Sampling
Table 2 - Soil Analytical Results – UST Sampling
Table 3 - Soil Analytical Results – UST Overexcavation Sampling
Table 4 - Soil Analytical Results – Bottom Sampling
Table 5 - Soil Analytical Results – Delineation Sampling
Table 6 - Soil Analytical Results – UST Discovery Sampling

Figure 1 - Site Location Map
Figure 2 - Sidewall Soil Sample Locations
Figure 3 - Bottom Soil Sample Locations
Figure 4 - Delineation Soil Sample Locations

Attachment A - Certification of RCRA Exempt Status
Attachment B - ADEC Approval for Transport and Disposal at OIT
Attachment C - Certified Analytical Reports and Chain-of-Custody Documentation
Attachment D – Calculation of Mass Removal Estimate

TABLE 1
SOIL ANALYTICAL RESULTS
POTHOLE SAMPLING
Former Chevron Service Station #9-2114
3350 College Road
Fairbanks, Alaska

Sample ID	Date Collected	GRO	DRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Arsenic	Barium	Cadium	Chromium	Lead	Selenium	Silver	Mercury
Pothole A	10/09/2001	490	970	3.22	49.8	23.6	221	<8	96.5	<1	17	24	<3	<1	<0.10
Pothole B	10/09/2001	776	644	3.43	54.2	18.3	182.6	<7	74.5	<1	14	15	<3	<1	<0.10
Pothole C	10/09/2001	212	1,710	1.22	2.46	0.95	7.37	<8	102.5	<1	20	8	<3	<1	<0.10
Pothole D	10/09/2001	2,680	1,660	22.1	256	49.1	401	<7	87.6	<1	18	29	<2	<1	<0.10

Notes:

- (1) Estimated value
- (2) All results are reported in milligrams per kilogram (mg/kg) or part per million (ppm)

Abbreviations:

GRO = Gasoline Range Organics
DRO = Diesel Range Organics

TABLE 2
SOIL ANALYTICAL RESULTS
UST SAMPLING
Former Chevron Service Station #9-2114
3350 College Road
Fairbanks, Alaska

Sample ID	Date Collected	GRO	DRO	RRO	Benzene	Toluene	Ethylbenzene	Total Xylenes
FMR Waste Oil Location	10/11/2001	<3.92	5.07 ¹	<25.0	0.0331	0.109	<0.0392	<0.0783
FMR Heating Oil Location	10/11/2001	<3.82	4.03 ¹	<25.0	0.0179	<0.0382	<0.0382	<0.0763

Notes:

- (1) This sample was prepared outside of the method established holding time
(2) All results are reported in milligrams per kilogram (mg/kg) or part per million (ppm)

Abbreviations:

GRO = Gasoline Range Organics
DRO = Diesel Range Organics
RRO = Residual Range Organics

TABLE 3
SOIL ANALYTICAL RESULTS
UST OVEREXCAVATION SAMPLING
Former Chevron Service Station #9-2114
3350 College Road
Fairbanks, Alaska

Sample ID	Sample Depth (ft bgs)	Date Collected	GRO	DRO	Benzene	Toluene	Ethylbenzene	Total Xylenes
S Wall 1	6	10/12/2001	54.47	64.4	<0.15	0.21	<0.15	3.03
S Wall 2	6	10/12/2001	772	279	2.33	31.7	12.3	166.7
E Wall 1	6	10/12/2001	555	300	2.32	53.3	21.3	166.2
E Wall 2	6	10/12/2001	4,720	871	24.4	589	86.2	1,247
E Wall 3	6	10/12/2001	160	54.9	1.09	11.9	2.57	26.36
E Wall 4	6	10/20/2001	6,070	1,060	8.90	174	124	762
E Wall 5	6	10/20/2001	29.2	10.3	0.576	2.88	0.204	1.45
E Wall 6	6	10/20/2001	8.78	22.9 ¹	0.176	0.495	0.125	0.704
W Wall 1	6	10/20/2001	1,650	37,900	36.4	24.6	14.3	68.9
W Wall 2	6	10/20/2001	3,270	549	5.87	64.3	37.3	492
W Wall 3	6	10/20/2001	1,600	436	8.85	64.3	18.9	229

Notes:

- (1) Results in the diesel organics range are primarily due to overlap from a heavy oil range product
(2) All results are reported in milligrams per kilogram (mg/kg) or part per million (ppm)

Abbreviations:

GRO = Gasoline Range Organics
DRO = Diesel Range Organics

TABLE 4
SOIL ANALYTICAL RESULTS
BOTTOM SAMPLING
Former Chevron Station #9-2114
3350 College Road
Fairbanks, Alaska

Sample ID	Date Collected	GRO	DRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes
Bottom A	10/20/2001	3,430	32.5	7.24	103	37.2	323
Bottom B	10/20/2001	225	18.9	0.936	9.86	2.21	23.3
Bottom C	10/20/2001	4.81	7.44	0.0632	0.287	0.0705	0.497
Bottom D	10/20/2001	837	155	0.485	17.9	5.95	69.1
Bottom E	10/20/2001	471	29.2	0.896	16.6	4.80	53.4
Bottom F	10/20/2001	78.5	44.6	0.981	9.82	2.01	18.9
Bottom G	10/20/2001	1,100	79.9	2.39	48.8	14.0	144
Bottom H	10/20/2001	1,330	116	4.53	74.0	22.6	162

Notes:

(1) All results are reported in milligrams per kilogram (mg/kg) or part per million (ppm)

Abbreviations:

GRO = Gasoline Range Organics

DRO = Diesel Range Organics

TABLE 5
SOIL ANALYTICAL RESULTS
DELINEATION SAMPLING
Former Chevron Service Station #9-2114
3350 College Road
Fairbanks, Alaska

Sample ID	Sample Depth (ft bgs)	Date Collected	GRO	DRO	Benzene	Toluene	Ethylbenzene	Total Xylenes
Delineation 1	6	10/23/2001	6.42 ¹	62.0	0.0216	0.0953	<0.0376	0.227
Delineation 2	6	10/23/2001	3.150	479	1.89 ²	19.2	15.3	259
Delineation 3	6	10/23/2001	5.69	<4.00	0.133	0.337	<0.0500	0.199
Delineation 4	6	10/23/2001	<4.14	5.60	0.0336	<0.0414	0.0549	0.296

Notes:

- (1) Results reported for the gasoline range are primarily due to overlap from diesel range hydrocarbons
- (2) The analyte concentration may be artificially elevated due to coeluting compounds or components
- (3) All results are reported in milligrams per kilogram (mg/kg) or part per million (ppm)

Abbreviations:

GRO = Gasoline Range Organics
DRO = Diesel Range Organics

TABLE 6
SOIL ANALYTICAL RESULTS
UST DISCOVERY SAMPLING
Former Chevron Service Station #9-2114
3350 College Road
Fairbanks, Alaska

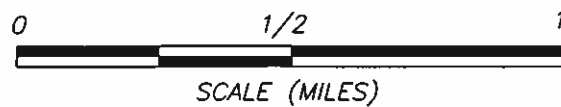
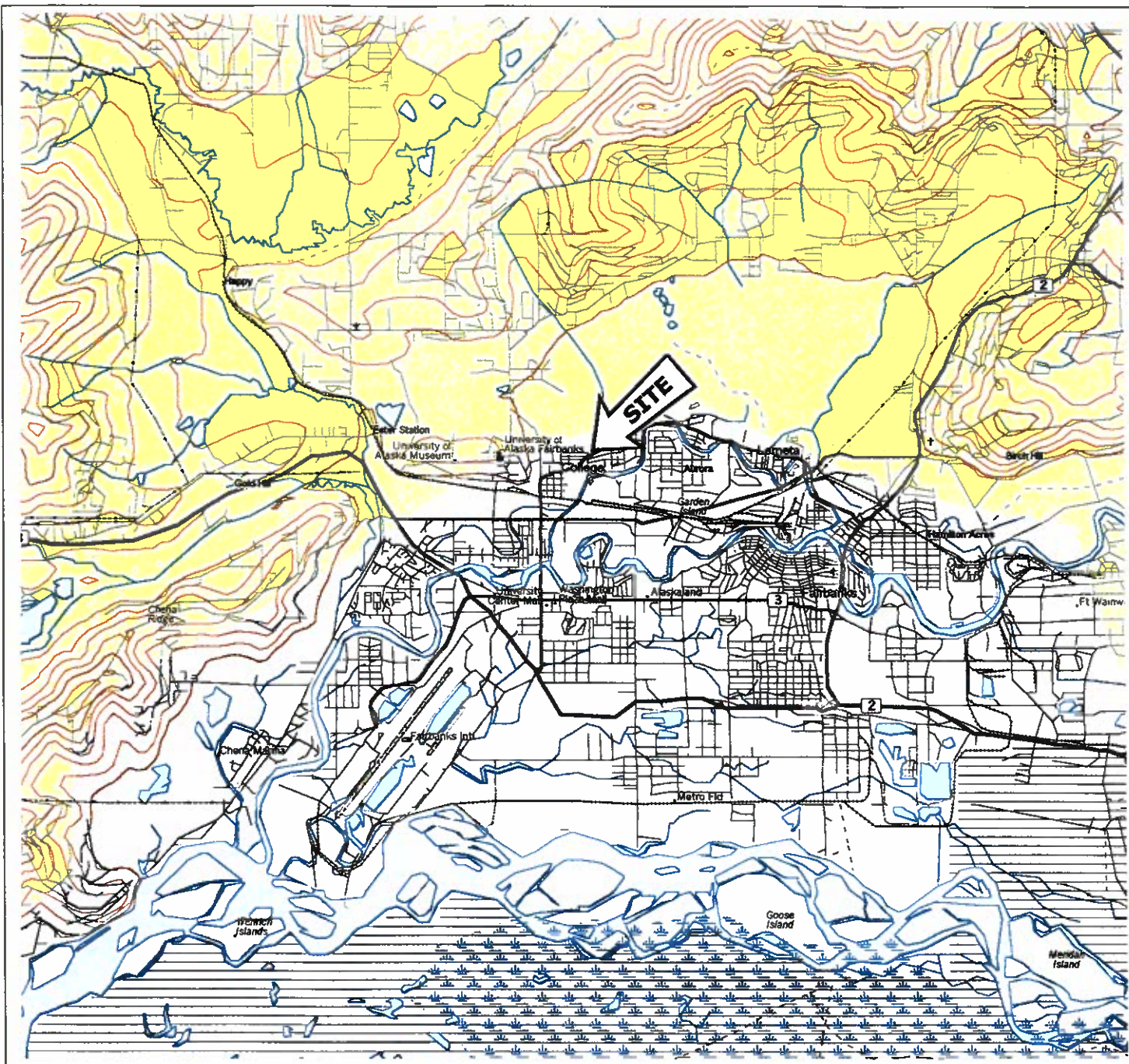
Sample ID	Sample Depth (ft bgs)	Date Collected	GRO	DRO	Benzene	Toluene	Ethyl- benzene	Total Xylenes
Tank E Wall	6	10/24/2001	673	13,300	5.79	2.30	14.2	68.2
Tank S Wall	6	10/24/2001	530	9,630	20.3 ¹	51.5 ¹	6.39 ¹	49.1 ¹
Tank N Wall	6	10/24/2001	548	8,150	2.05 ¹	1.40 ¹	7.13 ¹	53.4 ¹
Tank W Wall	6	10/24/2001	677	12,300	4.49	<2.80	8.13	83.0
Tank Bottom	10	10/24/2001	176	429	1.15 ¹	4.65 ¹	0.912 ¹	6.55 ¹

Notes:

- (1) Appropriate BTEX dilution analyzed 2 days out of hold time
- (2) All results are reported in milligrams per kilogram (mg/kg) or part per million (ppm).

Abbreviations:

GRO = Gasoline Range Organics
DRO = Diesel Range Organics



REFERENCE: USGS 7.5 MINUTE QUADRANGLE; FAIRBANKS SW, ALASKA, 1992

SECOR
International Incorporated
2301 LECHORN STREET
MOUNTAIN VIEW, CALIFORNIA 94043
(650) 691-0131

FIGURE 1
SITE LOCATION MAP
CHEVRON SERVICE STATION 9-2114
3350 COLLEGE ROAD
FAIRBANKS, ALASKA

FIGURE:

1

JOB#: APPR: DWN: DATE: 12-19-01

FILEPATH

DWG DWGf

EDGE OF PROPERTY

TELEPHONE POLE

FORMER
WASTE OIL
TANK
LOCATION

FORMER
HEATING OIL
TANK
LOCATION

RM-1

RM-6

FORMER
STATION
BUILDING

UNIDENTIFIED
UST
PIT

EXTENT OF
EXCAVATION

EDGE OF PROPERTY

RM-4

FORMER
UST LOCATION

FORMER
UST LOCATION

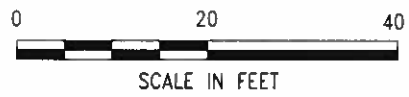
FORMER
DISPENSER
ISLANDS

MW-4

FORMER
UST LOCATION

EDGE OF ASPHALT

COLLEGE ROAD



NOTE:

* BOTTOM SAMPLES ARE COLLECTED
AT APPROXIMATELY 10' BGS

SECOR
International Incorporated

DRAWN BY:	LG	APP. BY:	RC
DATE:	12-19-01		
JOB NO.:	077.41991.019		
DRAWING NO.	92114-BSL-102001		

FIGURE 2

CHEVRON SERVICE STATION NO. 9-2114
3350 COLLEGE ROAD
FAIRBANKS, ALASKA

BOTTOM SAMPLE LOCATIONS
OCTOBER 20, 2001

EDGE OF PROPERTY

TELEPHONE POLE

FORMER
WASTE OIL
TANK
LOCATION

FORMER
HEATING OIL
TANK
LOCATION

RM-1

RM-6

FORMER
STATION
BUILDING

UNIDENTIFIED
UST
PIT

EXTENT OF
EXCAVATION

RM-4

FORMER
UST LOCATION

FORMER
UST LOCATION

W WALL 2

MW-4

FORMER
UST LOCATION

W WALL 3

S WALL 2

S WALL 1

FORMER
DISPENSER
ISLANDS

E WALL 1

E WALL 4

E WALL 2

E WALL 3

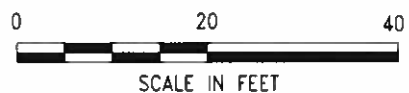
E WALL 6

W WALL 1

EDGE OF PROPERTY

COLLEGE ROAD

EDGE OF ASPHALT



NOTE:

- * SIDEWALL SAMPLES ARE COLLECTED AT APPROXIMATELY 6' BGS

SECOR
International Incorporated

DRAWN BY:	LG	APP. BY:	LG
DATE:	12-19-01		
JOB NO.:	077.41991.019		
DRAWING NO.	92114-SSL-102001		

FIGURE 3
CHEVRON SERVICE STATION NO. 9-2114
3350 COLLEGE ROAD
FAIRBANKS, ALASKA
SIDE WALL SAMPLE LOCATIONS
OCTOBER 20, 2001

EDGE OF PROPERTY

TELEPHONE POLE

FORMER
WASTE OIL
TANK
LOCATION

FORMER
HEATING OIL
TANK
LOCATION

RM-1

RM-6

FORMER
STATION
BUILDING

UNIDENTIFIED
UST
PIT

EXTENT OF
EXCAVATION

3

EDGE OF PROPERTY

RM-4

FORMER
UST LOCATION

FORMER
UST LOCATION

FORMER
DISPENSER
ISLANDS

MW-4

FORMER
UST LOCATION

2

1

EDGE OF ASPHALT

COLLEGE ROAD

0 20 40

SCALE IN FEET

NOTE:

DELINEATION SAMPLES ARE COLLECTED AT
APPROXIMATELY 15' FROM THE EDGE
OF THE EXCAVATION AREA

SECOR
International Incorporated

DRAWN BY:	LG	APP. BY:	RC
DATE:	12-19-01		
JOB NO.:	077.41991.019		
DRAWING NO.	92114-DS-102001		

FIGURE 4

CHEVRON SERVICE STATION NO. 9-2114
3350 COLLEGE ROAD
FAIRBANKS, ALASKA

DELINEATION SAMPLE LOCATIONS
OCTOBER 23, 2001

ATTACHMENT A
CERTIFICATION OF RCRA EXEMPT STATUS



P.O. Box 55878, NORTH POLE, AK 99705 • (907) 488-4899 • FAX (907) 488-4823

CERTIFICATION OF RCRA EXEMPT STATUS

CLIENT NAME: CHEVRON PRODUCTS COMPANY

CONTRACT NAME: _____

CONTRACT NUMBER: _____

DATE: _____

CONSULTANT ADVISOR: SECOR INTERNATIONAL

Client, (and if signed by Consultant Advisor, Consultant Advisor), hereby certifies that material presented to OIT, Inc. for treatment under the above referenced contract and any subsequent contract is RCRA (Resource Conservation and Recovery Act) exempt waste, and does not meet the definition of hazardous waste under the applicable code of Federal and State Regulations.

Client, (and if signed by Consultant Advisor, Consultant Advisor on behalf of client), further agree to indemnify OIT, Inc. for any liability that may be incurred as a result of the material presented for treatment being classified as a RCRA hazardous material, including but not limited to indemnification for cost of proper disposal and any fines or penalties imposed by any local, State, or Federal agencies.

Signed by client and/or client's consultant.

Chevron Products Company

CLIENT'S NAME

Robert Roalson

BY CLIENT'S REPRESENTATIVE

Project Manager

TITLE

6001 Bollinger Canyon Rd.

ADDRESS

(925) 842-9655

PHONE NUMBER

10/5/01

DATE

SECOR INTERNATIONAL

CONSULTANT ADVISOR

RONALD CHINN

BY CONSULTANT FIRM REPRESENTATIVE

Project Manager

TITLE

2301 LEGHORN ST. MOUNTAIN VIEW CA

ADDRESS

(650) 691-0131

PHONE NUMBER

10/12/01

DATE

99043

ATTACHMENT B
ADEC APPROVAL FOR TRANSPORT AND DISPOSAL AT OIT

Close	Previous	Next	Move	Delete	Forward	Reply	Info
-------	----------	------	------	--------	---------	-------	------

Mail Message

From: "Ron Chinn" <rchinn@secor.com>
To: Dom-Main:amec.com:keri.depalma
Subject: FW: Chevron 9-2114 - Soil Transportation for Treatment
Attachments:  Mime.822  (Save As: Binary, Size=3046 bytes)

Message:

-----Original Message-----

From: Carnahan, John [mailto:John_Carnahan@envircon.state.ak.us]
Sent: Friday, October 12, 2001 5:07 PM
To: 'rchinn@secor.com'
Subject: Chevron 9-2114 - Soil Transportation for Treatment

Ron - The ADEC approves of the transportation of petroleum contaminated soil from Secor and Chevron's 9-2114 facility, located on College Road. We understand that there may be approximately 1,000-cubic yards of soil that will be transported via covered trucks to OIT's facility for thermal treatment. If you have any questions pertaining to this approval to remove soil from the site for treatment, please contact me.

Regards,

~~~~~  
John B. Carnahan  
Alaska Department of Environmental Conservation  
Spill Prevention and Response  
610 University Avenue  
Fairbanks, Alaska 99709  
Phone: (907) 451-2166  
Facsimile: (907) 451-2155  
John\_Carnahan@envircon.state.ak.us

> The information contained in this communication is confidential and  
> privileged proprietary information intended only for the individual or  
> entity to whom it is addressed. Any unauthorized use, distribution,  
> copying, or disclosure of this communication is prohibited. If you have  
> received this communication in error, please contact the sender.

**ATTACHMENT C**  
**CERTIFIED ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY DOCUMENTATION**



# NORTHERN TESTING LABORATORIES, INC.

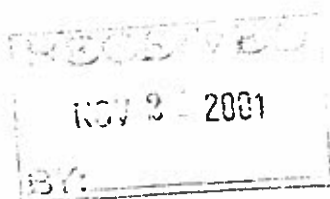
3330 INDUSTRIAL AVENUE  
5761 SILVERADO WAY, UNIT N  
POUCH 340043

FAIRBANKS, ALASKA 99701  
ANCHORAGE, ALASKA 99518  
PRUDHOE BAY, ALASKA 99734

(907) 456-3116 • FAX 456-3125  
(907) 349-1000 • FAX 349-1016  
(907) 659-2145 • FAX 659-2146

Secor International, Inc.  
2301 Leghorn St.  
Mountain View, CA 94043  
Attn: Ronald Chinn  
Phone: (650) 691-0131  
Fax:

NTL Lab#: F302465  
Client Sample ID: Pothole A  
Location/Project: Chevron 9-2114 Excavation  
COC #: 30808  
Sample Matrix: Soil



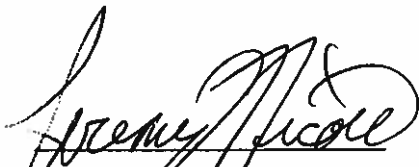
Report Date: 10/13/01  
Date Arrived: 10/9/01  
Date Sampled: 10/9/01  
Time Sampled: 8:40  
Collected By: RDC

## Flag Definitions

MDL = Method Detection Limit  
MCL = Maximum Contaminant Level  
B = Below Regulatory Minimum  
H = Above Regulatory Maximum  
M = Matrix Interference  
J = Best Available Estimate  
U = Less Than Detection Limit

Comments:

| Parameter      | Result | Units     | Flag | MDL  | MCL | Prep Method | Prep Date | Analysis Method | Analysis Date |
|----------------|--------|-----------|------|------|-----|-------------|-----------|-----------------|---------------|
| Arsenic        | < MDL  | mg/dry kg | U    | 8    |     | EPA 3050    | 10/12/01  | EPA 6010B       | 10/12/01      |
| Barium         | 96.5   | mg/dry kg |      | 0.9  |     | EPA 3050    | 10/12/01  | EPA 6010B       | 10/12/01      |
| Cadmium        | < MDL  | mg/dry kg | U    | 1    |     | EPA 3050    | 10/12/01  | EPA 6010B       | 10/12/01      |
| Chromium       | 17     | mg/dry kg |      | 3    |     | EPA 3050    | 10/12/01  | EPA 6010B       | 10/12/01      |
| Lead           | 24     | mg/dry kg |      | 6    |     | EPA 3050    | 10/12/01  | EPA 6010B       | 10/12/01      |
| Selenium       | < MDL  | mg/dry kg | U    | 3    |     | EPA 3050    | 10/12/01  | EPA 6010B       | 10/12/01      |
| Silver         | < MDL  | mg/dry kg | U    | 1    |     | EPA 3050    | 10/12/01  | EPA 6010B       | 10/12/01      |
| Mercury        | < MDL  | mg/dry kg | U    | 0.10 |     |             |           | EPA 7471A       | 10/10/01      |
| Percent Solids | 87.2   | %         |      |      |     |             |           | SM 2540-G       | 10/10/01      |

  
Reported by Jeremy Nicoll  
Fairbanks Chemistry Supervisor



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(907) 659-2145 • FAX 659-2146

Secor International, Inc.  
2301 Leghorn St.  
Mountain View, CA 94043

Attn: Ronald Chinn  
Phone: (650) 691-0131  
Fax:

NTL Lab#: F302466  
Client Sample ID: Pothole B  
Location/Project: Chevron 9-2114 Excavation  
COC #: 30808  
Sample Matrix: Soil

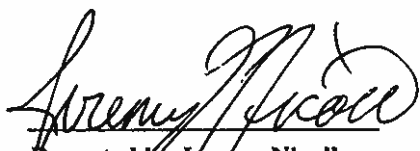
Report Date: 10/13/01  
Date Arrived: 10/9/01  
Date Sampled: 10/9/01  
Time Sampled: 8:50  
Collected By: RDC

## Flag Definitions

MDL = Method Detection Limit  
MCL = Maximum Contaminant Level  
B = Below Regulatory Minimum  
H = Above Regulatory Maximum  
M = Matrix Interference  
J = Best Available Estimate  
U = Less Than Detection Limit

Comments:

| Parameter      | Result | Units     | Flag | MDL  | MCL | Prep Method | Prep Date | Analysis Method | Analysis Date |
|----------------|--------|-----------|------|------|-----|-------------|-----------|-----------------|---------------|
| Arsenic        | < MDL  | mg/dry kg | U    | 7    |     | EPA 3050    | 10/12/01  | EPA 6010B       | 10/12/01      |
| Barium         | 74.5   | mg/dry kg |      | 0.8  |     | EPA 3050    | 10/12/01  | EPA 6010B       | 10/12/01      |
| Cadmium        | < MDL  | mg/dry kg | U    | 1    |     | EPA 3050    | 10/12/01  | EPA 6010B       | 10/12/01      |
| Chromium       | 14     | mg/dry kg |      | 3    |     | EPA 3050    | 10/12/01  | EPA 6010B       | 10/12/01      |
| Lead           | 15     | mg/dry kg | J    | 6    |     | EPA 3050    | 10/12/01  | EPA 6010B       | 10/12/01      |
| Selenium       | < MDL  | mg/dry kg | U    | 3    |     | EPA 3050    | 10/12/01  | EPA 6010B       | 10/12/01      |
| Silver         | < MDL  | mg/dry kg | U    | 1    |     | EPA 3050    | 10/12/01  | EPA 6010B       | 10/12/01      |
| Mercury        | < MDL  | mg/dry kg | U    | 0.10 |     |             |           | EPA 7471A       | 10/10/01      |
| Percent Solids | 91.9   | %         |      |      |     |             |           | SM 2540-G       | 10/10/01      |

  
Reported by Jeremy Nicoll  
Fairbanks Chemistry Supervisor



# NORTHERN TESTING LABORATORIES, INC.

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POUCH 340043

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(907) 659-2145 • FAX 659-2146

Secor International, Inc.  
2301 Leghorn St.  
Mountain View, CA 94043  
Attn: Ronald Chinn  
Phone: (650) 691-0131  
Fax:

NTL Lab#: F302467  
Client Sample ID: Pothole C  
Location/Project: Chevron 9-2114 Excavation  
COC #: 30808  
Sample Matrix: Soil

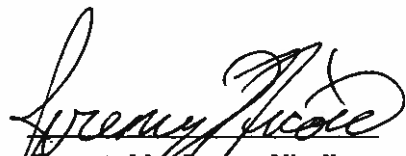
Report Date: 10/13/01  
Date Arrived: 10/9/01  
Date Sampled: 10/9/01  
Time Sampled: 9:10  
Collected By: RDC

## Flag Definitions

MDL = Method Detection Limit  
MCL = Maximum Contaminant Level  
B = Below Regulatory Minimum  
H = Above Regulatory Maximum  
M = Matrix Interference  
J = Best Available Estimate  
U = Less Than Detection Limit

Comments:

| Parameter      | Result | Units     | Flag | MDL  | MCL | Prep Method | Prep Date | Analysis Method | Analysis Date |
|----------------|--------|-----------|------|------|-----|-------------|-----------|-----------------|---------------|
| Arsenic        | < MDL  | mg/dry kg | U    | 8    |     | EPA 3050    | 10/12/01  | EPA 6010B       | 10/12/01      |
| Barium         | 102.5  | mg/dry kg |      | 0.9  |     | EPA 3050    | 10/12/01  | EPA 6010B       | 10/12/01      |
| Cadmium        | < MDL  | mg/dry kg | U    | 1    |     | EPA 3050    | 10/12/01  | EPA 6010B       | 10/12/01      |
| Chromium       | 20     | mg/dry kg |      | 3    |     | EPA 3050    | 10/12/01  | EPA 6010B       | 10/12/01      |
| Lead           | 8      | mg/dry kg | J    | 6    |     | EPA 3050    | 10/12/01  | EPA 6010B       | 10/12/01      |
| Selenium       | < MDL  | mg/dry kg | U    | 3    |     | EPA 3050    | 10/12/01  | EPA 6010B       | 10/12/01      |
| Silver         | < MDL  | mg/dry kg | U    | 1    |     | EPA 3050    | 10/12/01  | EPA 6010B       | 10/12/01      |
| Mercury        | < MDL  | mg/dry kg | U    | 0.10 |     |             |           | EPA 7471A       | 10/10/01      |
| Percent Solids | 89.3   | %         |      |      |     |             |           | SM 2540-G       | 10/10/01      |

  
Reported by Jeremy Nicoll  
Fairbanks Chemistry Supervisor





# NORTHERN TESTING LABORATORIES, INC.

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POUCH 340043

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(907) 349-1000 • FAX 349-1016  
(907) 659-2145 • FAX 659-2146

Secor International, Inc.  
2301 Leghorn St.  
Mountain View, CA 94043  
Attn: Ronald Chinn  
Phone: (650) 691-0131  
Fax:

NTL Lab#: F302468  
Client Sample ID: Pothole D  
Location/Project: Chevron 9-2114 Excavation  
COC #: 30808  
Sample Matrix: Soil

Report Date: 10/13/01  
Date Arrived: 10/9/01  
Date Sampled: 10/9/01  
Time Sampled: 9:40  
Collected By: RDC

## Flag Definitions

MDL = Method Detection Limit  
MCL = Maximum Contaminant Level  
B = Below Regulatory Minimum  
H = Above Regulatory Maximum  
M = Matrix Interference  
J = Best Available Estimate  
U = Less Than Detection Limit

Comments: Heterogeneous sample matrix . Duplicate value for Lead was 51.5 mg/dry kg.

| Parameter      | Result | Units     | Flag | MDL  | MCL | Prep Method | Prep Date | Analysis Method | Analysis Date |
|----------------|--------|-----------|------|------|-----|-------------|-----------|-----------------|---------------|
| Arsenic        | < MDL  | mg/dry kg | U    | 7    |     | EPA 3050    | 10/12/01  | EPA 6010B       | 10/12/01      |
| Barium         | 87.6   | mg/dry kg |      | 0.8  |     | EPA 3050    | 10/12/01  | EPA 6010B       | 10/12/01      |
| Cadmium        | < MDL  | mg/dry kg | U    | 1    |     | EPA 3050    | 10/12/01  | EPA 6010B       | 10/12/01      |
| Chromium       | 18     | mg/dry kg |      | 3    |     | EPA 3050    | 10/12/01  | EPA 6010B       | 10/12/01      |
| Lead           | 29     | mg/dry kg |      | 5    |     | EPA 3050    | 10/12/01  | EPA 6010B       | 10/12/01      |
| Selenium       | < MDL  | mg/dry kg | U    | 2    |     | EPA 3050    | 10/12/01  | EPA 6010B       | 10/12/01      |
| Silver         | < MDL  | mg/dry kg | U    | 1    |     | EPA 3050    | 10/12/01  | EPA 6010B       | 10/12/01      |
| Mercury        | < MDL  | mg/dry kg | U    | 0.10 |     |             |           | EPA 7471A       | 10/10/01      |
| Percent Solids | 94.9   | %         |      |      |     |             |           | SM 2540-G       | 10/10/01      |

Reported by Jeremy Nicoll  
Fairbanks Chemistry Supervisor



# NORTHERN TESTING LABORATORIES, INC.

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(907) 659-2145 • FAX 659-2146

Secor International, Inc.  
2301 Leghorn St.  
Mountain View, CA 94043

Attn: Ronald Chinn


Client ID: Pothole A  
Client Project: Chevron 9-2114 Excavation  
Source:  
NTL Lab#: A176007  
Sample Matrix: Soil  
Comments:

Report Date: 10/23/01  
Date Arrived: 10/10/01  
Sample Date: 10/9/01  
Sample Time: 8:40  
Collected By: RC

**\*\*Legend\*\***

MRL = Method Report Level  
MCL = Max. Contaminant Level  
B = Present In Method Blank  
E = Estimated Value  
M = Matrix Interference  
H = Above MCL  
D = Lost to Dilution

| Method               | Parameter               | Units      | Result | MRL  | Date Prepared | Date Analyzed |
|----------------------|-------------------------|------------|--------|------|---------------|---------------|
| AK 101               | Gasoline Range Organics | mg/dry kg  | 490    | 268  |               | 10/11/01      |
|                      | 4-Bromofluorobenzene    | % Recovery | 80     |      |               |               |
| AK 102               | Diesel Range Organics   | mg/dry kg  | 970    | 11.0 | 10/15/01      | 10/17/01      |
|                      | C25 (Surr)              | % Recovery | 115    |      |               |               |
| EPA 8260 (8020 List) |                         |            |        |      |               |               |
|                      | Benzene                 | mg/dry kg  | 3.22   | 0.27 |               | 10/10/01      |
|                      | Ethylbenzene            | mg/dry kg  | 23.6   | 0.27 |               |               |
|                      | Toluene                 | mg/dry kg  | 49.8   | 2.68 |               | 10/11/01      |
|                      | m,p-Xylene              | mg/dry kg  | 154    | 5.35 |               |               |
|                      | o-Xylene                | mg/dry kg  | 67.0   | 2.68 |               |               |
|                      | DBFM (Surr)             | % Recovery | 119    |      |               | 10/10/01      |
|                      | Toluene-d8 (Surr)       | % Recovery | 107    |      |               |               |
|                      | 4-Bromofluorobenzene    | % Recovery | 127    |      |               |               |
| SM 2540 G            | Total Solids, Percent   | %          | 90.6   |      | 10/10/01      | 10/11/01      |

  
Reported By: Wendy M. Mitchell  
Anchorage Laboratory Manager



# NORTHERN TESTING LABORATORIES, INC.

3330 INDUSTRIAL AVENUE  
5761 SILVERADO WAY, UNIT N  
POUCH 340043

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(907) 456-3116 • FAX 456-3125  
(907) 349-1000 • FAX 349-1016  
(907) 659-2145 • FAX 659-2146

Secor International, Inc.  
2301 Leghorn St.  
Mountain View, CA 94043

Attn: Ronald Chinn

Client ID: Pothole B  
Client Project: Chevron 9-2114 Excavation  
Source:  
NTL Lab#: A176008  
Sample Matrix: Soil  
Comments:

Report Date: 11/13/01  
Date Arrived: 10/10/01  
Sample Date: 10/9/01  
Sample Time: 8:50  
Collected By: RC

**\*\*Legend\*\***

MRL = Method Report Level  
MCL = Max. Contaminant Level  
B = Present In Method Blank  
E = Estimated Value  
M = Matrix Interference  
H = Above MCL  
D = Lost to Dilution

| Method               | Parameter               | Units      | Result | MRL  | Date Prepared | Date Analyzed |
|----------------------|-------------------------|------------|--------|------|---------------|---------------|
| AK 101               | Gasoline Range Organics | mg/dry kg  | 776    | 295  |               | 10/11/01      |
|                      | 4-Bromofluorobenzene    | % Recovery | 74     |      |               | 10/11/01      |
| AK 102               | Diesel Range Organics   | mg/dry kg  | 644    | 11.3 | 10/15/01      | 10/17/01      |
|                      | C25 (Surr)              | % Recovery | 101    |      |               |               |
| EPA 8260 (8020 List) | Benzene                 | mg/dry kg  | 3.43   | 0.30 |               | 10/10/01      |
|                      | Ethylbenzene            | mg/dry kg  | 18.3   | 0.30 |               |               |
|                      | Toluene                 | mg/dry kg  | 54.2   | 2.95 |               | 10/11/01      |
|                      | m,p-Xylene              | mg/dry kg  | 132    | 5.91 |               |               |
|                      | o-Xylene                | mg/dry kg  | 50.6   | 0.30 |               | 10/10/01      |
|                      | DBFM (Surr)             | % Recovery | 114    |      |               |               |
|                      | Toluene-d8 (Surr)       | % Recovery | 106    |      |               |               |
|                      | 4-Bromofluorobenzene    | % Recovery | 116    |      |               |               |
| SM 2540 G            | Total Solids, Percent   | %          | 88.4   |      | 10/10/01      | 10/11/01      |



Reported By: Wendy M. Mitchell  
Anchorage Laboratory Manager



# NORTHERN TESTING LABORATORIES, INC.

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(907) 349-1000 • FAX 349-1016  
(907) 659-2145 • FAX 659-2146

Secor International, Inc.  
2301 Leghorn St.  
Mountain View, CA 94043

Attn: Ronald Chinn

Client ID: Pothole C  
Client Project: Chevron 9-2114 Excavation  
Source:  
NTL Lab#: A176009  
Sample Matrix: Soil  
Comments:

Report Date: 11/13/01  
Date Arrived: 10/10/01  
Sample Date: 10/9/01  
Sample Time: 9:10  
Collected By: RC

**\*\*Legend\*\***

MRL = Method Report Level  
MCL = Max. Contaminant Level  
B = Present In Method Blank  
E = Estimated Value  
M = Matrix Interference  
H = Above MCL  
D = Lost to Dilution

| Method               | Parameter               | Units      | Result | MRL  | Date Prepared | Date Analyzed |
|----------------------|-------------------------|------------|--------|------|---------------|---------------|
| AK 101               | Gasoline Range Organics | mg/dry kg  | 212    | 14.9 |               | 10/10/01      |
|                      | 4-Bromofluorobenzene    | % Recovery | 84     |      |               |               |
| AK 102               | Diesel Range Organics   | mg/dry kg  | 1710   | 12.0 | 10/15/01      | 10/17/01      |
|                      | C25 (Surr)              | % Recovery | 105    |      |               |               |
| EPA 8260 (8020 List) | Benzene                 | mg/dry kg  | 1.22   | 0.30 |               | 10/10/01      |
|                      | Ethylbenzene            | mg/dry kg  | 0.95   | 0.30 |               |               |
|                      | Toluene                 | mg/dry kg  | 2.46   | 0.30 |               |               |
|                      | m,p-Xylene              | mg/dry kg  | 5.13   | 0.59 |               |               |
|                      | o-Xylene                | mg/dry kg  | 2.24   | 0.30 |               |               |
|                      | DBFM (Surr)             | % Recovery | 121    |      |               |               |
|                      | Toluene-d8 (Surr)       | % Recovery | 105    |      |               |               |
|                      | 4-Bromofluorobenzene    | % Recovery | 132    |      |               |               |
| SM 2540 G            | Total Solids, Percent   | %          | 83.0   |      | 10/10/01      | 10/11/01      |

Wendy M. Mitchell

Reported By: Wendy M. Mitchell  
Anchorage Laboratory Manager



# NORTHERN TESTING LABORATORIES, INC.

3330 INDUSTRIAL AVENUE  
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(907) 659-2145 • FAX 659-2146

Secor International, Inc.  
2301 Leghorn St.  
Mountain View, CA 94043

Attn: Ronald Chinn

Client ID: Pothole D  
Client Project: Chevron 9-2114 Excavation  
Source:  
NTL Lab#: A176010  
Sample Matrix: Soil  
Comments:

Report Date: 11/13/01  
Date Arrived: 10/10/01  
Sample Date: 10/9/01  
Sample Time: 9:40  
Collected By: RC

**\*\*Legend\*\***

MRL = Method Report Level  
MCL = Max. Contaminant Level  
B = Present In Method Blank  
E = Estimated Value  
M = Matrix Interference  
H = Above MCL  
D = Lost to Dilution

| Method               | Parameter               | Units      | Result | MRL  | Date Prepared | Date Analyzed |
|----------------------|-------------------------|------------|--------|------|---------------|---------------|
| AK 101               | Gasoline Range Organics | mg/dry kg  | 2680   | 1230 |               | 10/19/01      |
|                      | 4-Bromofluorobenzene    | % Recovery | 91     |      |               |               |
| AK 102               | Diesel Range Organics   | mg/dry kg  | 1660   | 10.6 | 10/15/01      | 10/17/01      |
|                      | C25 (Surr)              | % Recovery | 112    |      |               |               |
| EPA 8260 (8020 List) | Benzene                 | mg/dry kg  | 22.1   | 0.25 |               | 10/10/01      |
|                      | Ethylbenzene            | mg/dry kg  | 49.1   | 0.25 |               |               |
|                      | Toluene                 | mg/dry kg  | 256    | 4.91 |               | 10/11/01      |
|                      | m,p-Xylene              | mg/dry kg  | 291    | 9.82 |               |               |
|                      | o-Xylene                | mg/dry kg  | 110    | 4.91 |               |               |
|                      | DBFM (Surr)             | % Recovery | 117    |      |               | 10/10/01      |
|                      | Toluene-d8 (Surr)       | % Recovery | 123    |      |               |               |
|                      | 4-Bromofluorobenzene    | % Recovery | 134    |      |               |               |
| SM 2540 G            | Total Solids, Percent   | %          | 94.1   |      | 10/10/01      | 10/11/01      |

Wendy M. Mitchell  
Reported By: Wendy M. Mitchell  
Anchorage Laboratory Manager



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(907) 659-2145 • FAX 659-2146

Secor International, Inc.  
2301 Leghorn St.  
Mountain View, CA 94043

Attn: Ronald Chinn

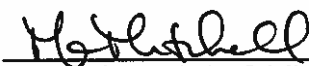
Client ID: Travel Blank  
Client Project: Chevron 9-2114 Excavation  
Source:  
NTL Lab#: A176011  
Sample Matrix: Soil  
Comments:

Report Date: 10/20/01  
Date Arrived: 10/10/01  
Sample Date:  
Sample Time:  
Collected By:

**\*\*Legend\*\***

MRL = Method Report Level  
MCL = Max. Contaminant Level  
B = Present In Method Blank  
E = Estimated Value  
M = Matrix Interference  
H = Above MCL  
D = Lost to Dilution

| Method               | Parameter               | Units      | Result | MRL  | Date Prepared | Date Analyzed |
|----------------------|-------------------------|------------|--------|------|---------------|---------------|
| AK 101               | Gasoline Range Organics | mg/dry kg  | <MRL   | 1.20 |               | 10/10/01      |
|                      | 4-Bromofluorobenzene    | % Recovery | 88     |      |               |               |
| EPA 8260 (8020 List) | Benzene                 | mg/dry kg  | <MRL   | 0.02 |               | 10/10/01      |
|                      | Ethylbenzene            | mg/dry kg  | <MRL   | 0.02 |               |               |
|                      | Toluene                 | mg/dry kg  | <MRL   | 0.02 |               |               |
|                      | m,p-Xylene              | mg/dry kg  | <MRL   | 0.05 |               |               |
|                      | o-Xylene                | mg/dry kg  | <MRL   | 0.02 |               |               |
|                      | DBFM (Surr)             | % Recovery | 124    |      |               |               |
|                      | Toluene-d8 (Surr)       | % Recovery | 104    |      |               |               |
|                      | 4-Bromofluorobenzene    | % Recovery | 110    |      |               |               |

  
Reported By: Marina I. Mitchell  
Quality Control Chemist



# NORTHERN TESTING LABORATORIES, INC.

3330 INDUSTRIAL AVENUE  
5761 SILVERADO WAY, UNIT N  
POUCH 340043

FAIRBANKS, ALASKA 99701  
ANCHORAGE, ALASKA 99518  
PRUDHOE BAY, ALASKA 99734

(907) 456-3116 • FAX 456-3125  
(907) 349-1000 • FAX 349-1016  
(907) 659-2145 • FAX 659-2146

Secor International, Inc.  
2301 Leghorn St.  
Mountain View, CA 94043

Attn: Ronald Chinn


Client ID: Field Blank  
Client Project: Chevron 9-2114 Excavation  
Source:  
NTL Lab#: A176012  
Sample Matrix: Soil  
Comments:

Report Date: 10/20/01  
Date Arrived: 10/10/01  
Sample Date:  
Sample Time:  
Collected By:

**\*\*Legend\*\***

MRL = Method Report Level  
MCL = Max. Contaminant Level  
B = Present In Method Blank  
E = Estimated Value  
M = Matrix Interference  
H = Above MCL  
D = Lost to Dilution

| Method               | Parameter               | Units      | Result | MRL  | Date Prepared | Date Analyzed |
|----------------------|-------------------------|------------|--------|------|---------------|---------------|
| AK 101               | Gasoline Range Organics | mg/dry kg  | <MRL   | 1.25 |               | 10/10/01      |
|                      | 4-Bromofluorobenzene    | % Recovery | 110    |      |               |               |
| EPA 8260 (8020 List) |                         |            |        |      |               |               |
|                      | Benzene                 | mg/dry kg  | <MRL   | 0.02 |               | 10/10/01      |
|                      | Ethylbenzene            | mg/dry kg  | <MRL   | 0.02 |               |               |
|                      | Toluene                 | mg/dry kg  | <MRL   | 0.02 |               |               |
|                      | m,p-Xylene              | mg/dry kg  | <MRL   | 0.05 |               |               |
|                      | o-Xylene                | mg/dry kg  | <MRL   | 0.02 |               |               |
|                      | DBFM (Surr)             | % Recovery | 112    |      |               |               |
|                      | Toluene-d8 (Surr)       | % Recovery | 107    |      |               |               |
|                      | 4-Bromofluorobenzene    | % Recovery | 116    |      |               |               |

  
Reported By: Marina I. Mitchell  
Quality Control Chemist

# NORTHERN TESTING LABORATORIES, INC.

3330 INDUSTRIAL AVENUE  
5761 SILVERADO WAY; UNIT N  
POUCH 340043

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(907) 349-1000 • FAX 349-1016  
(907) 659-2145 • FAX 659-2146

# ANALYTICAL SERVICES ORDER AND CHAIN OF CUSTODY FORM

**PLEASE PRINT CLEARLY & FIRMLY**

№ 30808

|                                                                                                                                                                                                           |        |                                                       |                          |                                                                                   |                                                                                                                                                                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------------------------------------------------------|--------------------------|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Client name and address:<br><b>SECOR INTERNATIONAL</b><br>2301 LEAHORN ST.<br>MOUNTAIN VIEW, CA 94043                                                                                                     |        | Phone: <b>(650) 691-0131</b>                          |                          | NTL Account Number:                                                               |                                                                                                                                                                |
|                                                                                                                                                                                                           |        | FAX:                                                  |                          | PAYMENT INFORMATION:<br>P.O. or Contract #: <b>006.03990</b>                      |                                                                                                                                                                |
|                                                                                                                                                                                                           |        | Email: <b>RCHINN@SECOR.COM</b>                        |                          | Authorization#:                                                                   |                                                                                                                                                                |
| Contact: <b>RONALD CHINN</b>                                                                                                                                                                              |        | PWS No:                                               |                          | Invoice #:                                                                        |                                                                                                                                                                |
| Reporting Format: ___ Regular ___ Data Deliverable                                                                                                                                                        |        | Send results to ADEC: ___                             |                          | Cash or check payable to NTL: _____<br>Credit Card: (Please call for phone order) |                                                                                                                                                                |
| Sampled by: <b>RONALD R. CHINN</b>                                                                                                                                                                        |        | Project information: <b>CHEVRON 9-2114 EXCAVATION</b> |                          | Requested Analysis                                                                |                                                                                                                                                                |
| Comments: <b>RUSH</b><br><b>ASAP - CALL 590-5751</b><br><b>AS SOON AS RESULTS ARE IN</b><br><b>FAX RESULTS TO: (907) 855-XXXX</b>                                                                         |        |                                                       |                          |                                                                                   |                                                                                                                                                                |
| Client Sample ID:                                                                                                                                                                                         |        | Sample Date/Time:                                     | Matrix:                  | NTL ID#:                                                                          | Number of Containers<br><br><b>GEO + GLEY</b><br><b>DPO</b><br><b>ROPA 8 metrics (ICP)</b>                                                                     |
| Pot Hole A                                                                                                                                                                                                | 3:47   | Soil                                                  |                          |                                                                                   |                                                                                                                                                                |
| Pot Hole B                                                                                                                                                                                                | 3:50 A | ↓                                                     |                          |                                                                                   |                                                                                                                                                                |
| Pot Hole C                                                                                                                                                                                                | 3:10 A | ↓                                                     |                          |                                                                                   |                                                                                                                                                                |
| Pot Hole D                                                                                                                                                                                                | 3:40 A | ↓                                                     |                          |                                                                                   |                                                                                                                                                                |
|                                                                                                                                                                                                           |        |                                                       |                          |                                                                                   |                                                                                                                                                                |
|                                                                                                                                                                                                           |        |                                                       |                          |                                                                                   |                                                                                                                                                                |
|                                                                                                                                                                                                           |        |                                                       |                          |                                                                                   |                                                                                                                                                                |
|                                                                                                                                                                                                           |        |                                                       |                          |                                                                                   |                                                                                                                                                                |
|                                                                                                                                                                                                           |        |                                                       |                          |                                                                                   |                                                                                                                                                                |
| Relinquished by: <b>[Signature]</b>                                                                                                                                                                       |        | Date/Time: <b>12:12 P / 10.30.01</b>                  | Received by: <b>1212</b> |                                                                                   | To be completed by NTL<br>Sample Received: ___ ANC ___ FAJ ___<br>COC Seal Intact? ___ Yes ___ No ___ N/A<br>Temperature on Arrival: ___ °C<br>Comments: _____ |
| Relinquished by:                                                                                                                                                                                          |        | Date/Time:                                            | Received by:             |                                                                                   |                                                                                                                                                                |
| Relinquished by:                                                                                                                                                                                          |        | Date/Time:                                            | Received by:             |                                                                                   |                                                                                                                                                                |
| Client Signature: _____<br>By signing, I have read and accepted the terms and conditions outlined on the back of this form or as otherwise stipulated in the above referenced contract or purchase order. |        |                                                       |                          |                                                                                   | Page ____ of ____                                                                                                                                              |





# NORTHERN TESTING LABORATORIES, INC.

3330 INDUSTRIAL AVENUE  
5761 SILVERADO WAY, UNIT N  
POUCH 340043

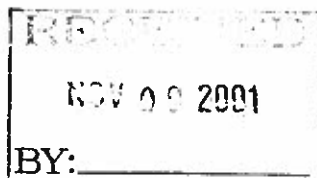
FAIRBANKS, ALASKA 99701  
ANCHORAGE, ALASKA 99518  
PRUDHOE BAY, ALASKA 99734

(907) 456-3116 • FAX 456-3125  
(907) 349-1000 • FAX 349-1016  
(907) 659-2145 • FAX 659-2146

Secor International, Inc.  
2301 Leghorn Street  
Mountain View, CA 94043

Attn: Ronald Chinn

Client ID: S. Wall 1@ 6'  
Client Project: Chevron 9-2114  
Source: Chevron Excavation  
NTL Lab#: A176065  
Sample Matrix: Soil  
Comments:



Report Date: 11/5/01  
Date Arrived: 10/15/01  
Sample Date: 10/12/01  
Sample Time: 16:15  
Collected By: RDC

**\*\*Legend\*\***

MRL = Method Report Level  
MCL = Max. Contaminant Level  
B = Present In Method Blank  
E = Estimated Value  
M = Matrix Interference  
H = Above MCL  
D = Lost to Dilution

| Method               | Parameter               | Units      | Result | MRL  | Date Prepared | Date Analyzed |
|----------------------|-------------------------|------------|--------|------|---------------|---------------|
| AK 101               | Gasoline Range Organics | mg/dry kg  | 54.4   | 14.9 |               | 10/16/01      |
|                      | 4-Bromofluorobenzene    | % Recovery | 94     |      |               |               |
| AK 102               | Diesel Range Organics   | mg/dry kg  | 64.4   | 11.9 | 10/16/01      | 11/2/01       |
|                      | C25 (Surr)              | % Recovery | 102    |      |               |               |
| EPA 8260 (8020 List) |                         |            |        |      |               |               |
|                      | Benzene                 | mg/dry kg  | <MRL   | 0.15 |               | 10/17/01      |
|                      | Ethylbenzene            | mg/dry kg  | <MRL   | 0.15 |               |               |
|                      | Toluene                 | mg/dry kg  | 0.21   | 0.15 |               |               |
|                      | m,p-Xylene              | mg/dry kg  | 1.89   | 0.30 |               |               |
|                      | o-Xylene                | mg/dry kg  | 1.14   | 0.15 |               |               |
|                      | DBFM (Surr)             | % Recovery | 102    |      |               |               |
|                      | Toluene-d8 (Surr)       | % Recovery | 110    |      |               |               |
|                      | 4-Bromofluorobenzene    | % Recovery | 106    |      |               | 10/17/01      |
| SM 2540 G            |                         |            |        |      |               |               |
|                      | Total Solids, Percent   | %          | 93.4   |      | 10/15/01      | 10/16/01      |

Wendy M. Mitchell

Reported By: Wendy M. Mitchell  
Anchorage Laboratory Manager



# NORTHERN TESTING LABORATORIES, INC.

3330 INDUSTRIAL AVENUE  
5761 SILVERADO WAY, UNIT N  
POUCH 340043

FAIRBANKS, ALASKA 99701  
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(907) 349-1000 • FAX 349-1016  
(907) 659-2145 • FAX 659-2146

Secor International, Inc.  
2301 Leghorn Street  
Mountain View, CA 94043

Attn: Ronald Chinn

Client ID: S. Wall 2@6'  
Client Project: Chevron 9-2114  
Source: Chevron Excavation  
NTL Lab#: A176066  
Sample Matrix: Soil  
Comments:

Report Date: 11/5/01  
Date Arrived: 10/15/01  
Sample Date: 10/12/01  
Sample Time: 16:20  
Collected By: RDC

**\*\*Legend\*\***

MRL = Method Report Level  
MCL = Max. Contaminant Level  
B = Present In Method Blank  
E = Estimated Value  
M = Matrix Interference  
H = Above MCL  
D = Lost to Dilution

| Method               | Parameter               | Units      | Result | MRL  | Date Prepared | Date Analyzed |
|----------------------|-------------------------|------------|--------|------|---------------|---------------|
| AK 101               | Gasoline Range Organics | mg/dry kg  | 772    | 344  |               | 10/16/01      |
|                      | 4-Bromofluorobenzene    | % Recovery | 100    |      |               |               |
| AK 102               | Diesel Range Organics   | mg/dry kg  | 279    | 12.7 | 10/16/01      | 11/2/01       |
|                      | C25 (Surr)              | % Recovery | 72     |      |               |               |
| EPA 8260 (8020 List) |                         |            |        |      |               |               |
|                      | Benzene                 | mg/dry kg  | 2.33   | 0.27 |               | 10/17/01      |
|                      | Ethylbenzene            | mg/dry kg  | 12.3   | 0.27 |               |               |
|                      | Toluene                 | mg/dry kg  | 31.7   | 0.27 |               |               |
|                      | m,p-Xylene              | mg/dry kg  | 123    | 1.10 |               | 10/24/01      |
|                      | o-Xylene                | mg/dry kg  | 43.7   | 0.27 |               | 10/17/01      |
|                      | DBFM (Surr)             | % Recovery | 105    | 1    |               |               |
|                      | Toluene-d8 (Surr)       | % Recovery | 111    |      |               |               |
|                      | 4-Bromofluorobenzene    | % Recovery | 107    |      |               |               |
| SM 2540 G            |                         |            |        |      |               |               |
|                      | Total Solids, Percent   | %          | 88.1   |      | 10/15/01      | 10/16/01      |

Wendy M. Mitchell

Reported By: Wendy M. Mitchell  
Anchorage Laboratory Manager



# NORTHERN TESTING LABORATORIES, INC.

3330 INDUSTRIAL AVENUE  
5761 SILVERADO WAY, UNIT N  
POUCH 340043

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(907) 349-1000 • FAX 349-1016  
(907) 659-2145 • FAX 659-2146

Secor International, Inc.  
2301 Leghorn Street  
Mountain View, CA 94043

Attn: Ronald Chinn

Client ID: E. Wall 1@6'  
Client Project: Chevron 9-2114  
Source: Chevron Excavation  
NTL Lab#: A176067  
Sample Matrix: Soil  
Comments:

Report Date: 11/5/01  
Date Arrived: 10/15/01  
Sample Date: 10/12/01  
Sample Time: 16:25  
Collected By: RDC

**\*\*Legend\*\***

MRL = Method Report Level  
MCL = Max. Contaminant Level  
B = Present In Method Blank  
E = Estimated Value  
M = Matrix Interference  
H = Above MCL  
D = Lost to Dilution

| Method               | Parameter               | Units      | Result | MRL  | Date Prepared | Date Analyzed |
|----------------------|-------------------------|------------|--------|------|---------------|---------------|
| AK 101               | Gasoline Range Organics | mg/dry kg  | 555    | 123  |               | 10/16/01      |
|                      | 4-Bromofluorobenzene    | % Recovery | 73     |      |               | 10/16/01      |
| AK 102               | Diesel Range Organics   | mg/dry kg  | 300    | 10.9 | 10/16/01      | 11/2/01       |
|                      | C25 (Surr)              | % Recovery | 71     |      |               |               |
| EPA 8260 (8020 List) | Benzene                 | mg/dry kg  | 2.32   | 0.25 |               | 10/17/01      |
|                      | Ethylbenzene            | mg/dry kg  | 21.3   | 0.25 |               |               |
|                      | Toluene                 | mg/dry kg  | 53.3   | 0.25 |               |               |
|                      | m,p-Xylene              | mg/dry kg  | 118    | 0.99 |               | 10/24/01      |
|                      | o-Xylene                | mg/dry kg  | 48.2   | 0.49 |               |               |
|                      | DBFM (Surr)             | % Recovery | 104    |      |               | 10/17/01      |
|                      | Toluene-d8 (Surr)       | % Recovery | 113    |      |               |               |
|                      | 4-Bromofluorobenzene    | % Recovery | 109    |      |               |               |
| SM 2540 G            | Total Solids, Percent   | %          | 90.2   |      | 10/15/01      | 10/16/01      |

Wendy M. Mitchell  
Reported By: Wendy M. Mitchell  
Anchorage Laboratory Manager



# NORTHERN TESTING LABORATORIES, INC.

3330 INDUSTRIAL AVENUE  
5761 SILVERADO WAY, UNIT N  
POUCH 340043

FAIRBANKS, ALASKA 99701  
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(907) 349-1000 • FAX 349-1016  
(907) 659-2145 • FAX 659-2146

Secor International, Inc.  
2301 Leghorn Street  
Mountain View, CA 94043

Attn: Ronald Chinn

Client ID: E. Wall 2@6'  
Client Project: Chevron 9-2114  
Source: Chevron Excavation  
NTL Lab#: A176068  
Sample Matrix: Soil  
Comments:

Report Date: 11/5/01  
Date Arrived: 10/15/01  
Sample Date: 10/12/01  
Sample Time: 16:30  
Collected By: RDC

**\*\*Legend\*\***

MRL = Method Report Level  
MCL = Max. Contaminant Level  
B = Present In Method Blank  
E = Estimated Value  
M = Matrix Interference  
H = Above MCL  
D = Lost to Dilution

| Method               | Parameter               | Units      | Result | MRL  | Date Prepared | Date Analyzed |
|----------------------|-------------------------|------------|--------|------|---------------|---------------|
| AK 101               | Gasoline Range Organics | mg/dry kg  | 4720   | 892  |               | 10/16/01      |
|                      | 4-Bromofluorobenzene    | % Recovery | 72     |      |               | 10/16/01      |
| AK 102               | Diesel Range Organics   | mg/dry kg  | 871    | 10.4 | 10/16/01      | 11/2/01       |
|                      | C25 (Surr)              | % Recovery | 100    |      |               |               |
| EPA 8260 (8020 List) | Benzene                 | mg/dry kg  | 24.4   | 0.89 |               | 10/17/01      |
|                      | Ethylbenzene            | mg/dry kg  | 86.2   | 0.89 |               |               |
|                      | Toluene                 | mg/dry kg  | 589    | 3.57 |               |               |
|                      | m,p-Xylene              | mg/dry kg  | 898    | 7.14 |               |               |
|                      | o-Xylene                | mg/dry kg  | 349    | 3.57 |               | 10/17/01      |
|                      | DBFM (Surr)             | % Recovery | 108    |      |               |               |
|                      | Toluene-d8 (Surr)       | % Recovery | 116    |      |               |               |
|                      | 4-Bromofluorobenzene    | % Recovery | 108    |      |               |               |
| SM 2540 G            | Total Solids, Percent   | %          | 93.3   |      | 10/15/01      | 10/16/01      |

Wendy M. Mitchell

Reported By: Wendy M. Mitchell  
Anchorage Laboratory Manager



# NORTHERN TESTING LABORATORIES, INC.

3330 INDUSTRIAL AVENUE  
5761 SILVERADO WAY, UNIT N  
POUCH 340043

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(907) 349-1000 • FAX 349-1016  
(907) 659-2145 • FAX 659-2146

Secor International, Inc.  
2301 Leghorn Street  
Mountain View, CA 94043

Attn: Ronald Chinn

Client ID: E. Wall 3@6'  
Client Project: Chevron 9-2114  
Source: Chevron Excavation  
NTL Lab#: A176069  
Sample Matrix: Soil  
Comments:

Report Date: 11/5/01  
Date Arrived: 10/15/01  
Sample Date: 10/12/01  
Sample Time: 16:35  
Collected By: RDC

**\*\*Legend\*\***

MRL = Method Report Level  
MCL = Max. Contaminant Level  
B = Present In Method Blank  
E = Estimated Value  
M = Matrix Interference  
H = Above MCL  
D = Lost to Dilution

| Method               | Parameter               | Units      | Result | MRL  | Date Prepared | Date Analyzed |
|----------------------|-------------------------|------------|--------|------|---------------|---------------|
| AK 101               | Gasoline Range Organics | mg/dry kg  | 160    | 103  |               | 10/16/01      |
|                      | 4-Bromofluorobenzene    | % Recovery | 95     |      |               |               |
| AK 102               | Diesel Range Organics   | mg/dry kg  | 54.9   | 12.1 | 10/16/01      | 11/2/01       |
|                      | C25 (Surr)              | % Recovery | 87     |      |               |               |
| EPA 8260 (8020 List) |                         |            |        |      |               |               |
|                      | Benzene                 | mg/dry kg  | 1.09   | 1.03 |               | 10/17/01      |
|                      | Ethylbenzene            | mg/dry kg  | 2.57   | 1.03 |               |               |
|                      | Toluene                 | mg/dry kg  | 11.9   | 1.03 |               |               |
|                      | m,p-Xylene              | mg/dry kg  | 19.0   | 2.06 |               |               |
|                      | o-Xylene                | mg/dry kg  | 7.36   | 1.03 |               |               |
|                      | DBFM (Surr)             | % Recovery | 75     |      |               |               |
|                      | Toluene-d8 (Surr)       | % Recovery | 105    |      |               |               |
|                      | 4-Bromofluorobenzene    | % Recovery | 85     |      |               |               |
| SM 2540 G            |                         |            |        |      |               |               |
|                      | Total Solids, Percent   | %          | 80.5   |      | 10/15/01      | 10/16/01      |



Reported By: Wendy M. Mitchell  
Anchorage Laboratory Manager



# NORTHERN TESTING LABORATORIES, INC.

3330 INDUSTRIAL AVENUE  
5761 SILVERADO WAY, UNIT N  
POUCH 340043

FAIRBANKS, ALASKA 99701  
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(907) 349-1000 • FAX 349-1016  
(907) 659-2145 • FAX 659-2146

Secor International, Inc.  
2301 Leghorn Street  
Mountain View, CA 94043

Attn: Ronald Chinn

Client ID: Travel Blank  
Client Project: Chevron 9-2114  
Source:  
NTL Lab#: A176070  
Sample Matrix: Soil  
Comments:

Report Date: 10/29/01  
Date Arrived: 10/15/01  
Sample Date:  
Sample Time:  
Collected By:

**\*\*Legend\*\***

MRL = Method Report Level  
MCL = Max. Contaminant Level  
B = Present In Method Blank  
E = Estimated Value  
M = Matrix Interference  
H = Above MCL  
D = Lost to Dilution

| Method               | Parameter               | Units      | Result | MRL  | Date Prepared | Date Analyzed |
|----------------------|-------------------------|------------|--------|------|---------------|---------------|
| AK 101               | Gasoline Range Organics | mg/dry kg  | <MRL   | 1.20 |               | 10/16/01      |
|                      | 4-Bromofluorobenzene    | % Recovery | 86     |      |               |               |
| EPA 8260 (8020 List) | Benzene                 | mg/dry kg  | <MRL   | 0.02 |               | 10/17/01      |
|                      | Ethylbenzene            | mg/dry kg  | <MRL   | 0.02 |               |               |
|                      | Toluene                 | mg/dry kg  | <MRL   | 0.02 |               |               |
|                      | m,p-Xylene              | mg/dry kg  | <MRL   | 0.05 |               |               |
|                      | o-Xylene                | mg/dry kg  | <MRL   | 0.02 |               |               |
|                      | DBFM (Surr)             | % Recovery | 101    |      |               |               |
|                      | Toluene-d8 (Surr)       | % Recovery | 104    |      |               |               |
|                      | 4-Bromofluorobenzene    | % Recovery | 91     |      |               |               |

Wendy M. Mitchell  
Reported By: Wendy M. Mitchell  
Anchorage Laboratory Manager



# NORTHERN TESTING LABORATORIES, INC.

3330 INDUSTRIAL AVENUE  
5761 SILVERADO WAY, UNIT N  
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(907) 349-1000 • FAX 349-1016  
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## ANALYTICAL SERVICES ORDER AND CHAIN OF CUSTODY FORM

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№ 28152

|                                                                                                                                                                                |                |                                                                                                                                                                                                                                                                  |                                                              |          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|----------|
| Client name and address:<br><b>SECUR INTERNATIONAL</b><br><b>25A LECHEON STREET</b><br><b>MOUNTAIN VIEW, CA 94012</b>                                                          |                | Phone: <b>(650) 691-0131</b>                                                                                                                                                                                                                                     | NTL Account Number:                                          |          |
| Contact: <b>RANDY CHAN</b>                                                                                                                                                     |                | FAX: <b>(650) 621-9337</b>                                                                                                                                                                                                                                       | PAYMENT INFORMATION:<br>P.O. or Contract #: <b>006.03990</b> |          |
| Reporting Format: <input type="checkbox"/> Regular <input type="checkbox"/> Data Deliverable                                                                                   |                | Email:                                                                                                                                                                                                                                                           | Authorization#:                                              |          |
| Send results to ADEC: <input type="checkbox"/>                                                                                                                                 |                | PWS No:                                                                                                                                                                                                                                                          | Invoice #:                                                   |          |
| Sampled by: <b>RC</b>                                                                                                                                                          |                | Cash or check payable to NTL: _____                                                                                                                                                                                                                              |                                                              |          |
| Project information:<br><b>CHRON 7-2119 EXCAVATION</b>                                                                                                                         |                | Credit Card: (Please call for phone order)                                                                                                                                                                                                                       |                                                              |          |
| Comments:<br><b>(F.U.H.-ALAP!)</b><br><b>CALL (907) 456-3116 FOR</b><br><b>AS TO WHAT ARE AVAILABLE, AND</b><br><b>FAILED BY NTL TO (907) 451-0104</b>                         |                | Requested Analysis                                                                                                                                                                                                                                               |                                                              |          |
| Client Sample ID:                                                                                                                                                              |                | Sample Date/Time:                                                                                                                                                                                                                                                | Matrix:                                                      | NTL ID#: |
| S WALL 1 @ 6'                                                                                                                                                                  | 11/14/01 14:15 | SOIL                                                                                                                                                                                                                                                             |                                                              |          |
| WALL 2 @ 6'                                                                                                                                                                    | 11/12/01 14:20 |                                                                                                                                                                                                                                                                  |                                                              |          |
| E WALL 1 @ 6'                                                                                                                                                                  | 11/12/01 14:25 |                                                                                                                                                                                                                                                                  |                                                              |          |
| E WALL 2 @ 6'                                                                                                                                                                  | 11/12/01 14:30 |                                                                                                                                                                                                                                                                  |                                                              |          |
| E WALL 3 @ 6'                                                                                                                                                                  | 11/12/01 14:35 | ✓                                                                                                                                                                                                                                                                |                                                              |          |
| Relinquished by: <b>[Signature]</b>                                                                                                                                            |                | Date/Time: <b>11/13/01 15:30</b>                                                                                                                                                                                                                                 | Received by: <b>ALAN ALONSO</b>                              |          |
| Relinquished by: <b>ALAN ALONSO</b>                                                                                                                                            |                | Date/Time: <b>11/14/01</b>                                                                                                                                                                                                                                       | Received by:                                                 |          |
| Relinquished by:                                                                                                                                                               |                | Date/Time:                                                                                                                                                                                                                                                       | Received by:                                                 |          |
| Client Signature: _____                                                                                                                                                        |                | To be completed by NTL:<br>Sample Received: <input type="checkbox"/> AND <input type="checkbox"/> FAI<br>COC Seal Intact? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A<br>Temperature on Arrival: _____ °C<br>Comments: |                                                              |          |
| By signing, I have read and accepted the terms and conditions outlined on the back of this form or as otherwise stipulated in the above referenced contract or purchase order. |                | Page ____ of ____                                                                                                                                                                                                                                                |                                                              |          |

# SECOR *International Incorporated*

2301 Leghorn Street  
Mountain View, CA 94043-1431  
Telephone (650) 691-0131  
Fax (650) 691-9837

LETTER OF TRANSMITTAL

102.26.097

**Subject:** Excavation Report

**Date:** 3/28/02

**Send Via:** Fed. Ex.

**For:**

**Attn:** John Carnahan

**Company:** ADEC

**Address:** 610 University Ave.  
Fairbanks, AK 99709

- ☒ As Requested
- ☐ Review
- ☐ Your Information
- ☐ Approval
- ☐ Signature
- ☐ Return
- ☐ Other

**RECEIVED**

MAR 29 2002

CONTAMINATED  
SITES  
FAIRBANKS

**Project No.** 06CH.03990.00

**Project Name** Chevron 9-2114

**Enclosure(s):**

**Quantity**

Remedial Soils Excavation and UST Removal Report, Chevron 9-2114, 3350 College Rd.,  
Fairbanks, AK.

1

**COMMENTS:**

**Signature:** Ronald D. Chinn

**Cc:** Bob Cochran, ChevronTexaco Products Company  
Roger Hoffmore, SECOR International, Inc.

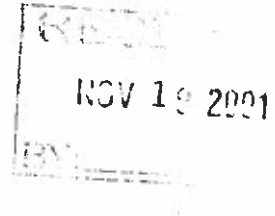
**Title:** Portfolio Manager

Mark Nielson, Estate of Margaret Nielson





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09 November 2001

Ron Chinn  
Secor - Mountain View  
2301 Leghorn St.  
Mountain View, CA/USA 94043  
RE: Chevron #9-2114 Excavation

Enclosed are the results of analyses for samples received by the laboratory on 10/25/01 09:40. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jeanne Garthwaite  
Project Manager

Secor - Moutain View  
 2301 Leghorn St.  
 Mountain View CA/USA, 94043

Project: Chevron #9-2114 Excavation  
 Project Number: [none]  
 Project Manager: Ron Chinn

Reported:  
 11/09/01 09:31

### ANALYTICAL REPORT FOR SAMPLES

| Sample ID            | Laboratory ID | Matrix | Date Sampled   | Date Received  |
|----------------------|---------------|--------|----------------|----------------|
| Bottom A             | B1J0704-01    | Soil   | 10/20/01 16:15 | 10/25/01 09:40 |
| Bottom B             | B1J0704-02    | Soil   | 10/20/01 16:20 | 10/25/01 09:40 |
| Bottom C             | B1J0704-03    | Soil   | 10/20/01 16:55 | 10/25/01 09:40 |
| Bottom D             | B1J0704-04    | Soil   | 10/20/01 16:25 | 10/25/01 09:40 |
| Bottom E             | B1J0704-05    | Soil   | 10/20/01 16:30 | 10/25/01 09:40 |
| Bottom F             | B1J0704-06    | Soil   | 10/20/01 16:50 | 10/25/01 09:40 |
| Bottom G             | B1J0704-07    | Soil   | 10/20/01 16:35 | 10/25/01 09:40 |
| Bottom H             | B1J0704-08    | Soil   | 10/20/01 16:40 | 10/25/01 09:40 |
| Delineation 1@6'     | B1J0704-09    | Soil   | 10/23/01 16:05 | 10/25/01 09:40 |
| Delineation 2@6'     | B1J0704-10    | Soil   | 10/23/01 16:20 | 10/25/01 09:40 |
| Delineation 3@6'     | B1J0704-11    | Soil   | 10/23/01 16:30 | 10/25/01 09:40 |
| Delineation 4@6'     | B1J0704-12    | Soil   | 10/23/01 16:50 | 10/25/01 09:40 |
| FMR WASTE OIL LOC.   | B1J0704-13    | Soil   | 10/11/01 10:40 | 10/25/01 09:40 |
| FMR HEATING OIL LOC. | B1J0704-14    | Soil   | 10/11/01 11:00 | 10/25/01 09:40 |
| W WALL 1@6'          | B1J0704-15    | Soil   | 10/20/01 09:45 | 10/25/01 09:40 |
| W WALL 2@6'          | B1J0704-16    | Soil   | 10/20/01 09:50 | 10/25/01 09:40 |
| W WALL 3@6'          | B1J0704-17    | Soil   | 10/20/01 09:40 | 10/25/01 09:40 |
| E WALL 4@6'          | B1J0704-18    | Soil   | 10/20/01 14:35 | 10/25/01 09:40 |
| E WALL 5@6'          | B1J0704-19    | Soil   | 10/20/01 14:30 | 10/25/01 09:40 |
| E WALL 6@6'          | B1J0704-20    | Soil   | 10/20/01 14:40 | 10/25/01 09:40 |

North Creek Analytical - Bothell

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*Jeanne Garthwaite*

Jeanne Garthwaite, Project Manager

North Creek Analytical, Inc.  
 Environmental Laboratory Network

Page 1 of 20

Secor - Mountain View  
 2301 Leghorn St.  
 Mountain View CA/USA, 94043

Project: Chevron #9-2114 Excavation  
 Project Number: [none]  
 Project Manager: Ron Chinn

Reported:  
 11/09/01 09:31

**Gasoline Hydrocarbons (n-Hexane to <n-Decane) and BTEX by AK101**  
**North Creek Analytical - Bothell**

| Analyte                                                                            | Result | Reporting Limit | Units     | Dilution | Batch   | Prepared | Analyzed | Method | Notes |
|------------------------------------------------------------------------------------|--------|-----------------|-----------|----------|---------|----------|----------|--------|-------|
| <b>Bottom A (B1J0704-01) Soil Sampled: 10/20/01 16:15 Received: 10/25/01 09:40</b> |        |                 |           |          |         |          |          |        |       |
| Gasoline Range Hydrocarbons                                                        | 3430   | 143             | mg/kg dry | 50       | 1K05012 | 11/05/01 | 11/06/01 | AK 101 |       |
| Benzene                                                                            | 7.24   | 0.571           | "         | "        | "       | "        | "        | "      |       |
| Toluene                                                                            | 103    | 1.43            | "         | "        | "       | "        | "        | "      |       |
| Ethylbenzene                                                                       | 37.2   | 1.43            | "         | "        | "       | "        | "        | "      |       |
| Xylenes (total)                                                                    | 323    | 2.86            | "         | "        | "       | "        | "        | "      |       |
| Surrogate: 4-BFB (FID)                                                             | %      | 60-120          |           |          | "       | "        | "        | "      | S-01  |
| Surrogate: a,a,a-TFT (FID)                                                         | %      | 50-150          |           |          | "       | "        | "        | "      | S-01  |
| Surrogate: 4-BFB (PID)                                                             | %      | 54-123          |           |          | "       | "        | "        | "      | S-01  |
| Surrogate: a,a,a-TFT (PID)                                                         | %      | 50-150          |           |          | "       | "        | "        | "      | S-01  |
| <b>Bottom B (B1J0704-02) Soil Sampled: 10/20/01 16:20 Received: 10/25/01 09:40</b> |        |                 |           |          |         |          |          |        |       |
| Gasoline Range Hydrocarbons                                                        | 225    | 54.8            | mg/kg dry | 20       | 1K05012 | 11/05/01 | 11/06/01 | AK 101 |       |
| Benzene                                                                            | 0.936  | 0.219           | "         | "        | "       | "        | "        | "      |       |
| Toluene                                                                            | 9.86   | 0.548           | "         | "        | "       | "        | "        | "      |       |
| Ethylbenzene                                                                       | 2.21   | 0.548           | "         | "        | "       | "        | "        | "      |       |
| Xylenes (total)                                                                    | 23.3   | 1.10            | "         | "        | "       | "        | "        | "      |       |
| Surrogate: 4-BFB (FID)                                                             | %      | 60-120          |           |          | "       | "        | "        | "      | S-01  |
| Surrogate: a,a,a-TFT (FID)                                                         | 116 %  | 50-150          |           |          | "       | "        | "        | "      |       |
| Surrogate: 4-BFB (PID)                                                             | 154 %  | 54-123          |           |          | "       | "        | "        | "      | S-06  |
| Surrogate: a,a,a-TFT (PID)                                                         | 104 %  | 50-150          |           |          | "       | "        | "        | "      |       |
| <b>Bottom C (B1J0704-03) Soil Sampled: 10/20/01 16:55 Received: 10/25/01 09:40</b> |        |                 |           |          |         |          |          |        |       |
| Gasoline Range Hydrocarbons                                                        | 4.81   | 2.84            | mg/kg dry | 1        | 1K05012 | 11/05/01 | 11/06/01 | AK 101 |       |
| Benzene                                                                            | 0.0632 | 0.0114          | "         | "        | "       | "        | "        | "      |       |
| Toluene                                                                            | 0.287  | 0.0284          | "         | "        | "       | "        | "        | "      |       |
| Ethylbenzene                                                                       | 0.0705 | 0.0284          | "         | "        | "       | "        | "        | "      |       |
| Xylenes (total)                                                                    | 0.497  | 0.0569          | "         | "        | "       | "        | "        | "      |       |
| Surrogate: 4-BFB (FID)                                                             | 104 %  | 60-120          |           |          | "       | "        | "        | "      |       |
| Surrogate: a,a,a-TFT (FID)                                                         | 83.5 % | 50-150          |           |          | "       | "        | "        | "      |       |
| Surrogate: 4-BFB (PID)                                                             | 104 %  | 54-123          |           |          | "       | "        | "        | "      |       |
| Surrogate: a,a,a-TFT (PID)                                                         | 74.1 % | 50-150          |           |          | "       | "        | "        | "      |       |

North Creek Analytical - Bothell

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*Jeanne Garthwaite*

Jeanne Garthwaite, Project Manager

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Secor - Mountain View  
2301 Leghorn St.  
Mountain View CA/USA, 94043

Project: Chevron #9-2114 Excavation  
Project Number: [none]  
Project Manager: Ron Chinn

Reported:  
11/09/01 09:31

**Gasoline Hydrocarbons (n-Hexane to <n-Decane) and BTEX by AK101**  
**North Creek Analytical - Bothell**

| Analyte                                                                            | Result | Reporting Limit | Units     | Dilution | Batch   | Prepared | Analyzed | Method | Notes |
|------------------------------------------------------------------------------------|--------|-----------------|-----------|----------|---------|----------|----------|--------|-------|
| <b>Bottom D (B1J0704-04) Soil Sampled: 10/20/01 16:25 Received: 10/25/01 09:40</b> |        |                 |           |          |         |          |          |        |       |
| Gasoline Range Hydrocarbons                                                        | 837    | 77.4            | mg/kg dry | 20       | 1K05012 | 11/05/01 | 11/06/01 | AK 101 |       |
| Benzene                                                                            | 0.485  | 0.310           | "         | "        | "       | "        | "        | "      |       |
| Toluene                                                                            | 17.9   | 0.774           | "         | "        | "       | "        | "        | "      |       |
| Ethylbenzene                                                                       | 5.95   | 0.774           | "         | "        | "       | "        | "        | "      |       |
| Xylenes (total)                                                                    | 69.1   | 1.55            | "         | "        | "       | "        | "        | "      |       |
| Surrogate: 4-BFB (FID)                                                             | %      | 60-120          |           |          | "       | "        | "        | "      | S-01  |
| Surrogate: a,a,a-TFT (FID)                                                         | 158 %  | 50-150          |           |          | "       | "        | "        | "      | S-06  |
| Surrogate: 4-BFB (PID)                                                             | %      | 54-123          |           |          | "       | "        | "        | "      | S-01  |
| Surrogate: a,a,a-TFT (PID)                                                         | 133 %  | 50-150          |           |          | "       | "        | "        | "      |       |
| <b>Bottom E (B1J0704-05) Soil Sampled: 10/20/01 16:30 Received: 10/25/01 09:40</b> |        |                 |           |          |         |          |          |        |       |
| Gasoline Range Hydrocarbons                                                        | 471    | 61.3            | mg/kg dry | 20       | 1K05012 | 11/05/01 | 11/07/01 | AK 101 |       |
| Benzene                                                                            | 0.896  | 0.245           | "         | "        | "       | "        | "        | "      |       |
| Toluene                                                                            | 16.6   | 0.613           | "         | "        | "       | "        | "        | "      |       |
| Ethylbenzene                                                                       | 4.80   | 0.613           | "         | "        | "       | "        | "        | "      |       |
| Xylenes (total)                                                                    | 53.4   | 1.23            | "         | "        | "       | "        | "        | "      |       |
| Surrogate: 4-BFB (FID)                                                             | %      | 60-120          |           |          | "       | "        | "        | "      | S-01  |
| Surrogate: a,a,a-TFT (FID)                                                         | 122 %  | 50-150          |           |          | "       | "        | "        | "      |       |
| Surrogate: 4-BFB (PID)                                                             | 182 %  | 54-123          |           |          | "       | "        | "        | "      | S-06  |
| Surrogate: a,a,a-TFT (PID)                                                         | 101 %  | 50-150          |           |          | "       | "        | "        | "      |       |
| <b>Bottom F (B1J0704-06) Soil Sampled: 10/20/01 16:50 Received: 10/25/01 09:40</b> |        |                 |           |          |         |          |          |        |       |
| Gasoline Range Hydrocarbons                                                        | 78.5   | 28.8            | mg/kg dry | 10       | 1K05012 | 11/05/01 | 11/07/01 | AK 101 |       |
| Benzene                                                                            | 0.981  | 0.115           | "         | "        | "       | "        | "        | "      |       |
| Toluene                                                                            | 9.82   | 0.288           | "         | "        | "       | "        | "        | "      |       |
| Ethylbenzene                                                                       | 2.01   | 0.288           | "         | "        | "       | "        | "        | "      |       |
| Xylenes (total)                                                                    | 18.9   | 0.577           | "         | "        | "       | "        | "        | "      |       |
| Surrogate: 4-BFB (FID)                                                             | 126 %  | 60-120          |           |          | "       | "        | "        | "      | S-06  |
| Surrogate: a,a,a-TFT (FID)                                                         | 70.8 % | 50-150          |           |          | "       | "        | "        | "      |       |
| Surrogate: 4-BFB (PID)                                                             | 116 %  | 54-123          |           |          | "       | "        | "        | "      |       |
| Surrogate: a,a,a-TFT (PID)                                                         | 65.6 % | 50-150          |           |          | "       | "        | "        | "      |       |

North Creek Analytical - Bothell

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*Jeanne Garthwaite*

Jeanne Garthwaite, Project Manager

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Environmental Laboratory Network

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Secor - Mountain View  
2301 Leghorn St.  
Mountain View CA/USA, 94043

Project: Chevron #9-2114 Excavation  
Project Number: [none]  
Project Manager: Ron Chinn

Reported:  
11/09/01 09:31

**Gasoline Hydrocarbons (n-Hexane to <n-Decane) and BTEX by AK101**  
**North Creek Analytical - Bothell**

| Analyte                                                                                    | Result | Reporting Limit | Units     | Dilution | Batch   | Prepared | Analyzed | Method | Notes |
|--------------------------------------------------------------------------------------------|--------|-----------------|-----------|----------|---------|----------|----------|--------|-------|
| <b>Bottom G (B1J0704-07) Soil Sampled: 10/20/01 16:35 Received: 10/25/01 09:40</b>         |        |                 |           |          |         |          |          |        |       |
| Gasoline Range Hydrocarbons                                                                | 1100   | 71.2            | mg/kg dry | 20       | 1K05012 | 11/05/01 | 11/06/01 | AK 101 |       |
| Benzene                                                                                    | 2.39   | 0.285           | "         | "        | "       | "        | "        | "      |       |
| Toluene                                                                                    | 48.8   | 0.712           | "         | "        | "       | "        | "        | "      |       |
| Ethylbenzene                                                                               | 14.0   | 0.712           | "         | "        | "       | "        | "        | "      |       |
| Xylenes (total)                                                                            | 144    | 1.42            | "         | "        | "       | "        | "        | "      |       |
| Surrogate: 4-BFB (FID)                                                                     | %      | 60-120          |           |          | "       | "        | "        | "      | S-01  |
| Surrogate: a,a,a-TFT (FID)                                                                 | 194 %  | 50-150          |           |          | "       | "        | "        | "      | S-06  |
| Surrogate: 4-BFB (PID)                                                                     | %      | 54-123          |           |          | "       | "        | "        | "      | S-01  |
| Surrogate: a,a,a-TFT (PID)                                                                 | 161 %  | 50-150          |           |          | "       | "        | "        | "      | S-06  |
| <b>Bottom H (B1J0704-08) Soil Sampled: 10/20/01 16:40 Received: 10/25/01 09:40</b>         |        |                 |           |          |         |          |          |        |       |
| Gasoline Range Hydrocarbons                                                                | 1330   | 155             | mg/kg dry | 50       | 1K05012 | 11/05/01 | 11/06/01 | AK 101 |       |
| Benzene                                                                                    | 4.53   | 0.620           | "         | "        | "       | "        | "        | "      |       |
| Toluene                                                                                    | 74.0   | 1.55            | "         | "        | "       | "        | "        | "      |       |
| Ethylbenzene                                                                               | 22.6   | 1.55            | "         | "        | "       | "        | "        | "      |       |
| Xylenes (total)                                                                            | 162    | 3.10            | "         | "        | "       | "        | "        | "      |       |
| Surrogate: 4-BFB (FID)                                                                     | %      | 60-120          |           |          | "       | "        | "        | "      | S-01  |
| Surrogate: a,a,a-TFT (FID)                                                                 | %      | 50-150          |           |          | "       | "        | "        | "      | S-01  |
| Surrogate: 4-BFB (PID)                                                                     | %      | 54-123          |           |          | "       | "        | "        | "      | S-01  |
| Surrogate: a,a,a-TFT (PID)                                                                 | 190 %  | 50-150          |           |          | "       | "        | "        | "      | S-06  |
| <b>Delineation 1@6' (B1J0704-09) Soil Sampled: 10/23/01 16:05 Received: 10/25/01 09:40</b> |        |                 |           |          |         |          |          |        |       |
| Gasoline Range Hydrocarbons                                                                | 6.42   | 3.76            | mg/kg dry | 1        | 1K05012 | 11/05/01 | 11/06/01 | AK 101 | G-01  |
| Benzene                                                                                    | 0.0216 | 0.0150          | "         | "        | "       | "        | "        | "      |       |
| Toluene                                                                                    | 0.0953 | 0.0376          | "         | "        | "       | "        | "        | "      |       |
| Ethylbenzene                                                                               | ND     | 0.0376          | "         | "        | "       | "        | "        | "      |       |
| Xylenes (total)                                                                            | 0.227  | 0.0752          | "         | "        | "       | "        | "        | "      |       |
| Surrogate: 4-BFB (FID)                                                                     | 114 %  | 60-120          |           |          | "       | "        | "        | "      |       |
| Surrogate: a,a,a-TFT (FID)                                                                 | 102 %  | 50-150          |           |          | "       | "        | "        | "      |       |
| Surrogate: 4-BFB (PID)                                                                     | 108 %  | 54-123          |           |          | "       | "        | "        | "      |       |
| Surrogate: a,a,a-TFT (PID)                                                                 | 86.9 % | 50-150          |           |          | "       | "        | "        | "      |       |

North Creek Analytical - Bothell

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*Jeanne Garthwaite*

Jeanne Garthwaite, Project Manager

North Creek Analytical, Inc.  
Environmental Laboratory Network

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Secor - Mountain View  
 2301 Leghorn St.  
 Mountain View CA/USA, 94043

Project: Chevron #9-2114 Excavation  
 Project Number: [none]  
 Project Manager: Ron Chinn

Reported:  
 11/09/01 09:31

**Gasoline Hydrocarbons (n-Hexane to <n-Decane) and BTEX by AK101**  
**North Creek Analytical - Bothell**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|

**Delineation 2@6' (B1J0704-10) Soil Sampled: 10/23/01 16:20 Received: 10/25/01 09:40**

|                             |      |        |           |    |         |          |          |        |      |
|-----------------------------|------|--------|-----------|----|---------|----------|----------|--------|------|
| Gasoline Range Hydrocarbons | 3150 | 205    | mg/kg dry | 50 | 1K05012 | 11/05/01 | 11/06/01 | AK 101 |      |
| Benzene                     | 1.89 | 0.820  | "         | "  | "       | "        | "        | "      | I-06 |
| Toluene                     | 19.2 | 2.05   | "         | "  | "       | "        | "        | "      |      |
| Ethylbenzene                | 15.3 | 2.05   | "         | "  | "       | "        | "        | "      |      |
| Xylenes (total)             | 259  | 4.10   | "         | "  | "       | "        | "        | "      |      |
| Surrogate: 4-BFB (FID)      | %    | 60-120 |           |    | "       | "        | "        | "      | S-01 |
| Surrogate: a,a,a-TFT (FID)  | %    | 50-150 |           |    | "       | "        | "        | "      | S-01 |
| Surrogate: 4-BFB (PID)      | %    | 54-123 |           |    | "       | "        | "        | "      | S-01 |
| Surrogate: a,a,a-TFT (PID)  | %    | 50-150 |           |    | "       | "        | "        | "      | S-01 |

**Delineation 3@6' (B1J0704-11) Soil Sampled: 10/23/01 16:30 Received: 10/25/01 09:40**

|                             |        |        |           |   |         |          |          |        |  |
|-----------------------------|--------|--------|-----------|---|---------|----------|----------|--------|--|
| Gasoline Range Hydrocarbons | 5.69   | 5.00   | mg/kg dry | 1 | 1K05012 | 11/05/01 | 11/06/01 | AK 101 |  |
| Benzene                     | 0.133  | 0.0200 | "         | " | "       | "        | "        | "      |  |
| Toluene                     | 0.337  | 0.0500 | "         | " | "       | "        | "        | "      |  |
| Ethylbenzene                | ND     | 0.0500 | "         | " | "       | "        | "        | "      |  |
| Xylenes (total)             | 0.199  | 0.100  | "         | " | "       | "        | "        | "      |  |
| Surrogate: 4-BFB (FID)      | 96.7 % | 60-120 |           |   | "       | "        | "        | "      |  |
| Surrogate: a,a,a-TFT (FID)  | 98.3 % | 50-150 |           |   | "       | "        | "        | "      |  |
| Surrogate: 4-BFB (PID)      | 105 %  | 54-123 |           |   | "       | "        | "        | "      |  |
| Surrogate: a,a,a-TFT (PID)  | 91.5 % | 50-150 |           |   | "       | "        | "        | "      |  |

**Delineation 4@6' (B1J0704-12) Soil Sampled: 10/23/01 16:50 Received: 10/25/01 09:40**

|                             |        |        |           |   |         |          |          |        |  |
|-----------------------------|--------|--------|-----------|---|---------|----------|----------|--------|--|
| Gasoline Range Hydrocarbons | ND     | 4.14   | mg/kg dry | 1 | 1K05012 | 11/05/01 | 11/06/01 | AK 101 |  |
| Benzene                     | 0.0336 | 0.0166 | "         | " | "       | "        | "        | "      |  |
| Toluene                     | ND     | 0.0414 | "         | " | "       | "        | "        | "      |  |
| Ethylbenzene                | 0.0549 | 0.0414 | "         | " | "       | "        | "        | "      |  |
| Xylenes (total)             | 0.296  | 0.0828 | "         | " | "       | "        | "        | "      |  |
| Surrogate: 4-BFB (FID)      | 101 %  | 60-120 |           |   | "       | "        | "        | "      |  |
| Surrogate: a,a,a-TFT (FID)  | 109 %  | 50-150 |           |   | "       | "        | "        | "      |  |
| Surrogate: 4-BFB (PID)      | 100 %  | 54-123 |           |   | "       | "        | "        | "      |  |
| Surrogate: a,a,a-TFT (PID)  | 94.7 % | 50-150 |           |   | "       | "        | "        | "      |  |

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**Environmental Laboratory Network**

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Secor - Mountain View  
 2301 Leghorn St.  
 Mountain View CA/USA, 94043

Project: Chevron #9-2114 Excavation  
 Project Number: [none]  
 Project Manager: Ron Chinn

Reported:  
 11/09/01 09:31

**Gasoline Hydrocarbons (n-Hexane to <n-Decane) and BTEX by AK101**  
**North Creek Analytical - Bothell**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|

**FMR WASTE OIL LOC. (B1J0704-13) Soil Sampled: 10/11/01 10:40 Received: 10/25/01 09:40**

|                             |        |        |           |   |         |          |          |        |  |
|-----------------------------|--------|--------|-----------|---|---------|----------|----------|--------|--|
| Gasoline Range Hydrocarbons | ND     | 3.92   | mg/kg dry | 1 | 1K05012 | 11/05/01 | 11/06/01 | AK 101 |  |
| Benzene                     | 0.0331 | 0.0157 | "         | " | "       | "        | "        | "      |  |
| Toluene                     | 0.109  | 0.0392 | "         | " | "       | "        | "        | "      |  |
| Ethylbenzene                | ND     | 0.0392 | "         | " | "       | "        | "        | "      |  |
| Xylenes (total)             | ND     | 0.0783 | "         | " | "       | "        | "        | "      |  |
| Surrogate: 4-BFB (FID)      | 103 %  | 60-120 |           |   | "       | "        | "        | "      |  |
| Surrogate: a,a,a-TFT (FID)  | 105 %  | 50-150 |           |   | "       | "        | "        | "      |  |
| Surrogate: 4-BFB (PID)      | 106 %  | 54-123 |           |   | "       | "        | "        | "      |  |
| Surrogate: a,a,a-TFT (PID)  | 94.0 % | 50-150 |           |   | "       | "        | "        | "      |  |

**FMR HEATING OIL LOC. (B1J0704-14) Soil Sampled: 10/11/01 11:00 Received: 10/25/01 09:40**

|                             |        |        |           |   |         |          |          |        |  |
|-----------------------------|--------|--------|-----------|---|---------|----------|----------|--------|--|
| Gasoline Range Hydrocarbons | ND     | 3.82   | mg/kg dry | 1 | 1K05012 | 11/05/01 | 11/07/01 | AK 101 |  |
| Benzene                     | 0.0179 | 0.0153 | "         | " | "       | "        | "        | "      |  |
| Toluene                     | ND     | 0.0382 | "         | " | "       | "        | "        | "      |  |
| Ethylbenzene                | ND     | 0.0382 | "         | " | "       | "        | "        | "      |  |
| Xylenes (total)             | ND     | 0.0763 | "         | " | "       | "        | "        | "      |  |
| Surrogate: 4-BFB (FID)      | 101 %  | 60-120 |           |   | "       | "        | "        | "      |  |
| Surrogate: a,a,a-TFT (FID)  | 110 %  | 50-150 |           |   | "       | "        | "        | "      |  |
| Surrogate: 4-BFB (PID)      | 100 %  | 54-123 |           |   | "       | "        | "        | "      |  |
| Surrogate: a,a,a-TFT (PID)  | 94.2 % | 50-150 |           |   | "       | "        | "        | "      |  |

**W WALL 1@6' (B1J0704-15) Soil Sampled: 10/20/01 09:45 Received: 10/25/01 09:40**

|                             |       |        |           |    |         |          |          |        |      |
|-----------------------------|-------|--------|-----------|----|---------|----------|----------|--------|------|
| Gasoline Range Hydrocarbons | 1650  | 184    | mg/kg dry | 50 | 1K05012 | 11/05/01 | 11/07/01 | AK 101 |      |
| Benzene                     | 36.4  | 0.737  | "         | "  | "       | "        | "        | "      |      |
| Toluene                     | 24.6  | 1.84   | "         | "  | "       | "        | "        | "      |      |
| Ethylbenzene                | 14.3  | 1.84   | "         | "  | "       | "        | "        | "      |      |
| Xylenes (total)             | 68.9  | 3.69   | "         | "  | "       | "        | "        | "      |      |
| Surrogate: 4-BFB (FID)      | %     | 60-120 |           |    | "       | "        | "        | "      | S-01 |
| Surrogate: a,a,a-TFT (FID)  | 141 % | 50-150 |           |    | "       | "        | "        | "      |      |
| Surrogate: 4-BFB (PID)      | %     | 54-123 |           |    | "       | "        | "        | "      | S-01 |
| Surrogate: a,a,a-TFT (PID)  | 120 % | 50-150 |           |    | "       | "        | "        | "      |      |

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Secor - Mountain View  
 2301 Leghorn St.  
 Mountain View CA/USA, 94043

Project: Chevron #9-2114 Excavation  
 Project Number: [none]  
 Project Manager: Ron Chinn

Reported:  
 11/09/01 09:31

**Gasoline Hydrocarbons (n-Hexane to <n-Decane) and BTEX by AK101**  
**North Creek Analytical - Bothell**

| Analyte                                                                               | Result | Reporting Limit | Units     | Dilution | Batch   | Prepared | Analyzed | Method | Notes |
|---------------------------------------------------------------------------------------|--------|-----------------|-----------|----------|---------|----------|----------|--------|-------|
| <b>W WALL 2@6' (B1J0704-16) Soil Sampled: 10/20/01 09:50 Received: 10/25/01 09:40</b> |        |                 |           |          |         |          |          |        |       |
| Gasoline Range Hydrocarbons                                                           | 3270   | 185             | mg/kg dry | 50       | 1K05012 | 11/05/01 | 11/07/01 | AK 101 |       |
| Benzene                                                                               | 5.87   | 0.741           | "         | "        | "       | "        | "        | "      |       |
| Toluene                                                                               | 64.3   | 1.85            | "         | "        | "       | "        | "        | "      |       |
| Ethylbenzene                                                                          | 37.3   | 1.85            | "         | "        | "       | "        | "        | "      |       |
| Xylenes (total)                                                                       | 492    | 3.71            | "         | "        | "       | "        | "        | "      |       |
| Surrogate: 4-BFB (FID)                                                                | %      | 60-120          |           |          | "       | "        | "        | "      | S-01  |
| Surrogate: a,a,a-TFT (FID)                                                            | %      | 50-150          |           |          | "       | "        | "        | "      | S-01  |
| Surrogate: 4-BFB (PID)                                                                | %      | 54-123          |           |          | "       | "        | "        | "      | S-01  |
| Surrogate: a,a,a-TFT (PID)                                                            | 198 %  | 50-150          |           |          | "       | "        | "        | "      | S-06  |
| <b>W WALL 3@6' (B1J0704-17) Soil Sampled: 10/20/01 09:40 Received: 10/25/01 09:40</b> |        |                 |           |          |         |          |          |        |       |
| Gasoline Range Hydrocarbons                                                           | 1600   | 223             | mg/kg dry | 50       | 1K05012 | 11/05/01 | 11/07/01 | AK 101 |       |
| Benzene                                                                               | 8.85   | 0.893           | "         | "        | "       | "        | "        | "      |       |
| Toluene                                                                               | 64.3   | 2.23            | "         | "        | "       | "        | "        | "      |       |
| Ethylbenzene                                                                          | 18.9   | 2.23            | "         | "        | "       | "        | "        | "      |       |
| Xylenes (total)                                                                       | 229    | 4.46            | "         | "        | "       | "        | "        | "      |       |
| Surrogate: 4-BFB (FID)                                                                | %      | 60-120          |           |          | "       | "        | "        | "      | S-01  |
| Surrogate: a,a,a-TFT (FID)                                                            | 184 %  | 50-150          |           |          | "       | "        | "        | "      | S-06  |
| Surrogate: 4-BFB (PID)                                                                | %      | 54-123          |           |          | "       | "        | "        | "      | S-01  |
| Surrogate: a,a,a-TFT (PID)                                                            | 157 %  | 50-150          |           |          | "       | "        | "        | "      | S-06  |
| <b>E WALL 4@6' (B1J0704-18) Soil Sampled: 10/20/01 14:35 Received: 10/25/01 09:40</b> |        |                 |           |          |         |          |          |        |       |
| Gasoline Range Hydrocarbons                                                           | 6070   | 198             | mg/kg dry | 50       | 1K05012 | 11/05/01 | 11/07/01 | AK 101 |       |
| Benzene                                                                               | 8.90   | 0.794           | "         | "        | "       | "        | "        | "      |       |
| Toluene                                                                               | 174    | 1.98            | "         | "        | "       | "        | "        | "      |       |
| Ethylbenzene                                                                          | 124    | 1.98            | "         | "        | "       | "        | "        | "      |       |
| Xylenes (total)                                                                       | 762    | 15.9            | "         | 200      | "       | "        | 11/07/01 | "      |       |
| Surrogate: 4-BFB (FID)                                                                | %      | 60-120          |           |          | "       | "        | 11/07/01 | "      | S-01  |
| Surrogate: a,a,a-TFT (FID)                                                            | %      | 50-150          |           |          | "       | "        | "        | "      | S-01  |
| Surrogate: 4-BFB (PID)                                                                | %      | 54-123          |           |          | "       | "        | "        | "      | S-01  |
| Surrogate: a,a,a-TFT (PID)                                                            | %      | 50-150          |           |          | "       | "        | "        | "      | S-01  |

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Secor - Mountain View  
 2301 Leghorn St.  
 Mountain View CA/USA, 94043

Project: Chevron #9-2114 Excavation  
 Project Number: [none]  
 Project Manager: Ron Chinn

Reported:  
 11/09/01 09:31

**Gasoline Hydrocarbons (n-Hexane to <n-Decane) and BTEX by AK101**  
**North Creek Analytical - Bothell**

| Analyte                                                                               | Result | Reporting Limit | Units     | Dilution | Batch   | Prepared | Analyzed | Method | Notes |
|---------------------------------------------------------------------------------------|--------|-----------------|-----------|----------|---------|----------|----------|--------|-------|
| <b>E WALL 5@6' (B1J0704-19) Soil Sampled: 10/20/01 14:30 Received: 10/25/01 09:40</b> |        |                 |           |          |         |          |          |        |       |
| Gasoline Range Hydrocarbons                                                           | 29.2   | 6.05            | mg/kg dry | 1        | 1K05012 | 11/05/01 | 11/07/01 | AK 101 |       |
| Benzene                                                                               | 0.576  | 0.0242          | "         | "        | "       | "        | "        | "      |       |
| Toluene                                                                               | 2.88   | 0.0605          | "         | "        | "       | "        | "        | "      |       |
| Ethylbenzene                                                                          | 0.204  | 0.0605          | "         | "        | "       | "        | "        | "      |       |
| Xylenes (total)                                                                       | 1.45   | 0.121           | "         | "        | "       | "        | "        | "      |       |
| Surrogate: 4-BFB (FID)                                                                | 103 %  | 60-120          |           |          | "       | "        | "        | "      |       |
| Surrogate: a,a,a-TFT (FID)                                                            | 106 %  | 50-150          |           |          | "       | "        | "        | "      |       |
| Surrogate: 4-BFB (PID)                                                                | 99.6 % | 54-123          |           |          | "       | "        | "        | "      |       |
| Surrogate: a,a,a-TFT (PID)                                                            | 88.8 % | 50-150          |           |          | "       | "        | "        | "      |       |
| <b>E WALL 6@6' (B1J0704-20) Soil Sampled: 10/20/01 14:40 Received: 10/25/01 09:40</b> |        |                 |           |          |         |          |          |        |       |
| Gasoline Range Hydrocarbons                                                           | 8.78   | 4.02            | mg/kg dry | 1        | 1K05012 | 11/05/01 | 11/07/01 | AK 101 |       |
| Benzene                                                                               | 0.176  | 0.0161          | "         | "        | "       | "        | "        | "      |       |
| Toluene                                                                               | 0.495  | 0.0402          | "         | "        | "       | "        | "        | "      |       |
| Ethylbenzene                                                                          | 0.125  | 0.0402          | "         | "        | "       | "        | "        | "      |       |
| Xylenes (total)                                                                       | 0.704  | 0.0804          | "         | "        | "       | "        | "        | "      |       |
| Surrogate: 4-BFB (FID)                                                                | 106 %  | 60-120          |           |          | "       | "        | "        | "      |       |
| Surrogate: a,a,a-TFT (FID)                                                            | 84.9 % | 50-150          |           |          | "       | "        | "        | "      |       |
| Surrogate: 4-BFB (PID)                                                                | 106 %  | 54-123          |           |          | "       | "        | "        | "      |       |
| Surrogate: a,a,a-TFT (PID)                                                            | 73.5 % | 50-150          |           |          | "       | "        | "        | "      |       |

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Secor - Mountain View  
 2301 Leghorn St.  
 Mountain View CA/USA, 94043

Project: Chevron #9-2114 Excavation  
 Project Number: [none]  
 Project Manager: Ron Chinn

Reported:  
 11/09/01 09:31

**Diesel Hydrocarbons (C10-C25) by AK102**  
**North Creek Analytical - Bothell**

| Analyte                                                                            | Result | Reporting Limit | Units     | Dilution | Batch   | Prepared | Analyzed | Method | Notes |
|------------------------------------------------------------------------------------|--------|-----------------|-----------|----------|---------|----------|----------|--------|-------|
| <b>Bottom A (B1J0704-01) Soil Sampled: 10/20/01 16:15 Received: 10/25/01 09:40</b> |        |                 |           |          |         |          |          |        |       |
| Diesel Range Hydrocarbons                                                          | 32.5   | 4.00            | mg/kg dry | 1        | 1K03006 | 11/03/01 | 11/04/01 | AK 102 |       |
| Surrogate: 2-FBP                                                                   | 62.7 % | 50-150          |           |          | "       | "        | "        | "      |       |
| <b>Bottom B (B1J0704-02) Soil Sampled: 10/20/01 16:20 Received: 10/25/01 09:40</b> |        |                 |           |          |         |          |          |        |       |
| Diesel Range Hydrocarbons                                                          | 18.9   | 4.00            | mg/kg dry | 1        | 1K03006 | 11/03/01 | 11/04/01 | AK 102 |       |
| Surrogate: 2-FBP                                                                   | 63.2 % | 50-150          |           |          | "       | "        | "        | "      |       |
| <b>Bottom C (B1J0704-03) Soil Sampled: 10/20/01 16:55 Received: 10/25/01 09:40</b> |        |                 |           |          |         |          |          |        |       |
| Diesel Range Hydrocarbons                                                          | 7.44   | 4.00            | mg/kg dry | 1        | 1K03006 | 11/03/01 | 11/04/01 | AK 102 |       |
| Surrogate: 2-FBP                                                                   | 64.2 % | 50-150          |           |          | "       | "        | "        | "      |       |
| <b>Bottom D (B1J0704-04) Soil Sampled: 10/20/01 16:25 Received: 10/25/01 09:40</b> |        |                 |           |          |         |          |          |        |       |
| Diesel Range Hydrocarbons                                                          | 155    | 4.00            | mg/kg dry | 1        | 1K03006 | 11/03/01 | 11/04/01 | AK 102 |       |
| Surrogate: 2-FBP                                                                   | 75.2 % | 50-150          |           |          | "       | "        | "        | "      |       |
| <b>Bottom E (B1J0704-05) Soil Sampled: 10/20/01 16:30 Received: 10/25/01 09:40</b> |        |                 |           |          |         |          |          |        |       |
| Diesel Range Hydrocarbons                                                          | 29.2   | 4.00            | mg/kg dry | 1        | 1K03006 | 11/03/01 | 11/04/01 | AK 102 |       |
| Surrogate: 2-FBP                                                                   | 75.8 % | 50-150          |           |          | "       | "        | "        | "      |       |
| <b>Bottom F (B1J0704-06) Soil Sampled: 10/20/01 16:50 Received: 10/25/01 09:40</b> |        |                 |           |          |         |          |          |        |       |
| Diesel Range Hydrocarbons                                                          | 44.6   | 4.00            | mg/kg dry | 1        | 1K03006 | 11/03/01 | 11/04/01 | AK 102 |       |
| Surrogate: 2-FBP                                                                   | 71.8 % | 50-150          |           |          | "       | "        | "        | "      |       |
| <b>Bottom G (B1J0704-07) Soil Sampled: 10/20/01 16:35 Received: 10/25/01 09:40</b> |        |                 |           |          |         |          |          |        |       |
| Diesel Range Hydrocarbons                                                          | 79.9   | 4.00            | mg/kg dry | 1        | 1K03006 | 11/03/01 | 11/04/01 | AK 102 |       |
| Surrogate: 2-FBP                                                                   | 76.9 % | 50-150          |           |          | "       | "        | "        | "      |       |

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Jeanne Garthwaite, Project Manager

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 Environmental Laboratory Network

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Secor - Mountain View  
 2301 Leghorn St.  
 Mountain View CA/USA, 94043

Project: Chevron #9-2114 Excavation  
 Project Number: [none]  
 Project Manager: Ron Chinn

Reported:  
 11/09/01 09:31

**Diesel Hydrocarbons (C10-C25) by AK102**  
**North Creek Analytical - Bothell**

| Analyte                                                                                    | Result | Reporting Limit | Units     | Dilution | Batch   | Prepared | Analyzed | Method | Notes |
|--------------------------------------------------------------------------------------------|--------|-----------------|-----------|----------|---------|----------|----------|--------|-------|
| <b>Bottom H (B1J0704-08) Soil Sampled: 10/20/01 16:40 Received: 10/25/01 09:40</b>         |        |                 |           |          |         |          |          |        |       |
| Diesel Range Hydrocarbons                                                                  | 116    | 4.00            | mg/kg dry | 1        | 1K03006 | 11/03/01 | 11/04/01 | AK 102 |       |
| Surrogate: 2-FBP                                                                           | 74.5 % | 50-150          |           |          | "       | "        | "        | "      |       |
| <b>Delineation 1@6' (B1J0704-09) Soil Sampled: 10/23/01 16:05 Received: 10/25/01 09:40</b> |        |                 |           |          |         |          |          |        |       |
| Diesel Range Hydrocarbons                                                                  | 62.0   | 4.00            | mg/kg dry | 1        | 1K03006 | 11/03/01 | 11/04/01 | AK 102 |       |
| Surrogate: 2-FBP                                                                           | 71.3 % | 50-150          |           |          | "       | "        | "        | "      |       |
| <b>Delineation 2@6' (B1J0704-10) Soil Sampled: 10/23/01 16:20 Received: 10/25/01 09:40</b> |        |                 |           |          |         |          |          |        |       |
| Diesel Range Hydrocarbons                                                                  | 479    | 4.00            | mg/kg dry | 1        | 1K03006 | 11/03/01 | 11/04/01 | AK 102 |       |
| Surrogate: 2-FBP                                                                           | 83.9 % | 50-150          |           |          | "       | "        | "        | "      |       |
| <b>Delineation 3@6' (B1J0704-11) Soil Sampled: 10/23/01 16:30 Received: 10/25/01 09:40</b> |        |                 |           |          |         |          |          |        |       |
| Diesel Range Hydrocarbons                                                                  | ND     | 4.00            | mg/kg dry | 1        | 1K03006 | 11/03/01 | 11/04/01 | AK 102 |       |
| Surrogate: 2-FBP                                                                           | 69.2 % | 50-150          |           |          | "       | "        | "        | "      |       |
| <b>Delineation 4@6' (B1J0704-12) Soil Sampled: 10/23/01 16:50 Received: 10/25/01 09:40</b> |        |                 |           |          |         |          |          |        |       |
| Diesel Range Hydrocarbons                                                                  | 5.60   | 4.00            | mg/kg dry | 1        | 1K03006 | 11/03/01 | 11/04/01 | AK 102 |       |
| Surrogate: 2-FBP                                                                           | 60.5 % | 50-150          |           |          | "       | "        | "        | "      |       |
| <b>W WALL 1@6' (B1J0704-15) Soil Sampled: 10/20/01 09:45 Received: 10/25/01 09:40</b>      |        |                 |           |          |         |          |          |        |       |
| Diesel Range Hydrocarbons                                                                  | 37900  | 1610            | mg/kg dry | 201      | 1K03006 | 11/03/01 | 11/04/01 | AK 102 |       |
| Surrogate: 2-FBP                                                                           | %      | 50-150          |           |          | "       | "        | "        | "      | S-01  |
| <b>W WALL 2@6' (B1J0704-16) Soil Sampled: 10/20/01 09:50 Received: 10/25/01 09:40</b>      |        |                 |           |          |         |          |          |        |       |
| Diesel Range Hydrocarbons                                                                  | 549    | 20.0            | mg/kg dry | 5        | 1K03006 | 11/03/01 | 11/04/01 | AK 102 |       |
| Surrogate: 2-FBP                                                                           | %      | 50-150          |           |          | "       | "        | "        | "      | S-02  |

North Creek Analytical - Bothell

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*Jeanne Garthwaite*

Jeanne Garthwaite, Project Manager

Secor - Mountain View  
 2301 Leghorn St.  
 Mountain View CA/USA, 94043

Project: Chevron #9-2114 Excavation  
 Project Number: [none]  
 Project Manager: Ron Chinn

Reported:  
 11/09/01 09:31

**Diesel Hydrocarbons (C10-C25) by AK102**  
**North Creek Analytical - Bothell**

| Analyte                                                                               | Result | Reporting Limit | Units     | Dilution | Batch   | Prepared | Analyzed | Method | Notes |
|---------------------------------------------------------------------------------------|--------|-----------------|-----------|----------|---------|----------|----------|--------|-------|
| <b>W WALL 3@6' (B1J0704-17) Soil Sampled: 10/20/01 09:40 Received: 10/25/01 09:40</b> |        |                 |           |          |         |          |          |        |       |
| Diesel Range Hydrocarbons                                                             | 436    | 44.0            | mg/kg dry | 11       | 1K03006 | 11/03/01 | 11/04/01 | AK 102 |       |
| Surrogate: 2-FBP                                                                      | 10.8 % | 50-150          |           |          | "       | "        | "        | "      | S-06  |
| <b>E WALL 4@6' (B1J0704-18) Soil Sampled: 10/20/01 14:35 Received: 10/25/01 09:40</b> |        |                 |           |          |         |          |          |        |       |
| Diesel Range Hydrocarbons                                                             | 1060   | 44.0            | mg/kg dry | 11       | 1K03006 | 11/03/01 | 11/04/01 | AK 102 |       |
| Surrogate: 2-FBP                                                                      | 21.7 % | 50-150          |           |          | "       | "        | "        | "      | S-06  |
| <b>E WALL 5@6' (B1J0704-19) Soil Sampled: 10/20/01 14:30 Received: 10/25/01 09:40</b> |        |                 |           |          |         |          |          |        |       |
| Diesel Range Hydrocarbons                                                             | 10.3   | 4.00            | mg/kg dry | 1        | 1K03006 | 11/03/01 | 11/04/01 | AK 102 |       |
| Surrogate: 2-FBP                                                                      | 66.3 % | 50-150          |           |          | "       | "        | "        | "      |       |
| <b>E WALL 6@6' (B1J0704-20) Soil Sampled: 10/20/01 14:40 Received: 10/25/01 09:40</b> |        |                 |           |          |         |          |          |        |       |
| Diesel Range Hydrocarbons                                                             | 22.9   | 4.00            | mg/kg dry | 1        | 1K03006 | 11/03/01 | 11/04/01 | AK 102 | D-09  |
| Surrogate: 2-FBP                                                                      | 57.5 % | 50-150          |           |          | "       | "        | "        | "      |       |

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Secor - Moutain View  
2301 Leghorn St.  
Mountain View CA/USA, 94043

Project: Chevron #9-2114 Excavation  
Project Number: [none]  
Project Manager: Ron Chinn

Reported:  
11/09/01 09:31

**Diesel Hydrocarbons (C10-C25) and Heavy Oil (C25-C36) by AK102 and AK103**  
**North Creek Analytical - Bothell**

| Analyte                                                                                        | Result | Reporting Limit | Units     | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|------------------------------------------------------------------------------------------------|--------|-----------------|-----------|----------|---------|----------|----------|-----------|-------|
| <b>FMR WASTE OIL LOC. (B1J0704-13) Soil Sampled: 10/11/01 10:40 Received: 10/25/01 09:40</b>   |        |                 |           |          |         |          |          |           |       |
| Diesel Range Hydrocarbons                                                                      | 5.07   | 4.00            | mg/kg dry | 1        | 1K01030 | 11/01/01 | 11/02/01 | AK102/103 | Q-29  |
| Residual Range Organics                                                                        | ND     | 25.0            | "         | "        | "       | "        | "        | "         | Q-29  |
| Surrogate: 2-FBP                                                                               | 66.7 % | 50-150          |           |          | "       | "        | "        | "         | Q-29  |
| Surrogate: Octacosane                                                                          | 88.1 % | 50-150          |           |          | "       | "        | "        | "         | Q-29  |
| <b>FMR HEATING OIL LOC. (B1J0704-14) Soil Sampled: 10/11/01 11:00 Received: 10/25/01 09:40</b> |        |                 |           |          |         |          |          |           |       |
| Diesel Range Hydrocarbons                                                                      | 4.03   | 4.00            | mg/kg dry | 1        | 1K01030 | 11/01/01 | 11/02/01 | AK102/103 | Q-29  |
| Residual Range Organics                                                                        | ND     | 25.0            | "         | "        | "       | "        | "        | "         | Q-29  |
| Surrogate: 2-FBP                                                                               | 70.5 % | 50-150          |           |          | "       | "        | "        | "         | Q-29  |
| Surrogate: Octacosane                                                                          | 95.5 % | 50-150          |           |          | "       | "        | "        | "         | Q-29  |

North Creek Analytical - Bothell

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Secor - Mountain View  
2301 Leghorn St.  
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Project: Chevron #9-2114 Excavation  
Project Number: [none]  
Project Manager: Ron Chinn

Reported:  
11/09/01 09:31

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

| Analyte                                                                                    | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method        | Notes |
|--------------------------------------------------------------------------------------------|--------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| <b>Bottom A (B1J0704-01) Soil Sampled: 10/20/01 16:15 Received: 10/25/01 09:40</b>         |        |                 |       |          |         |          |          |               |       |
| Dry Weight                                                                                 | 79.7   | 1.00            | %     | 1        | 1K01025 | 11/01/01 | 11/02/01 | BSOPSPL003R07 |       |
| <b>Bottom B (B1J0704-02) Soil Sampled: 10/20/01 16:20 Received: 10/25/01 09:40</b>         |        |                 |       |          |         |          |          |               |       |
| Dry Weight                                                                                 | 84.5   | 1.00            | %     | 1        | 1K01025 | 11/01/01 | 11/02/01 | BSOPSPL003R07 |       |
| <b>Bottom C (B1J0704-03) Soil Sampled: 10/20/01 16:55 Received: 10/25/01 09:40</b>         |        |                 |       |          |         |          |          |               |       |
| Dry Weight                                                                                 | 80.3   | 1.00            | %     | 1        | 1K01025 | 11/01/01 | 11/02/01 | BSOPSPL003R07 |       |
| <b>Bottom D (B1J0704-04) Soil Sampled: 10/20/01 16:25 Received: 10/25/01 09:40</b>         |        |                 |       |          |         |          |          |               |       |
| Dry Weight                                                                                 | 96.4   | 1.00            | %     | 1        | 1K01025 | 11/01/01 | 11/02/01 | BSOPSPL003R07 |       |
| <b>Bottom E (B1J0704-05) Soil Sampled: 10/20/01 16:30 Received: 10/25/01 09:40</b>         |        |                 |       |          |         |          |          |               |       |
| Dry Weight                                                                                 | 83.8   | 1.00            | %     | 1        | 1K01025 | 11/01/01 | 11/02/01 | BSOPSPL003R07 |       |
| <b>Bottom F (B1J0704-06) Soil Sampled: 10/20/01 16:50 Received: 10/25/01 09:40</b>         |        |                 |       |          |         |          |          |               |       |
| Dry Weight                                                                                 | 72.2   | 1.00            | %     | 1        | 1K01025 | 11/01/01 | 11/02/01 | BSOPSPL003R07 |       |
| <b>Bottom G (B1J0704-07) Soil Sampled: 10/20/01 16:35 Received: 10/25/01 09:40</b>         |        |                 |       |          |         |          |          |               |       |
| Dry Weight                                                                                 | 95.4   | 1.00            | %     | 1        | 1K01025 | 11/01/01 | 11/02/01 | BSOPSPL003R07 |       |
| <b>Bottom H (B1J0704-08) Soil Sampled: 10/20/01 16:40 Received: 10/25/01 09:40</b>         |        |                 |       |          |         |          |          |               |       |
| Dry Weight                                                                                 | 88.5   | 1.00            | %     | 1        | 1K01025 | 11/01/01 | 11/02/01 | BSOPSPL003R07 |       |
| <b>Delineation 1@6' (B1J0704-09) Soil Sampled: 10/23/01 16:05 Received: 10/25/01 09:40</b> |        |                 |       |          |         |          |          |               |       |
| Dry Weight                                                                                 | 81.8   | 1.00            | %     | 1        | 1K01025 | 11/01/01 | 11/02/01 | BSOPSPL003R07 |       |

North Creek Analytical - Bothell

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*Jeanne Garthwaite*

Jeanne Garthwaite, Project Manager

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Project: Chevron #9-2114 Excavation  
 Project Number: [none]  
 Project Manager: Ron Chinn

Reported:  
 11/09/01 09:31

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

| Analyte                                                                                        | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method        | Notes |
|------------------------------------------------------------------------------------------------|--------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| <b>Delineation 2@6' (B1J0704-10) Soil</b> Sampled: 10/23/01 16:20 Received: 10/25/01 09:40     |        |                 |       |          |         |          |          |               |       |
| Dry Weight                                                                                     | 93.4   | 1.00            | %     | 1        | 1K01025 | 11/01/01 | 11/02/01 | BSOPSPL003R07 |       |
| <b>Delineation 3@6' (B1J0704-11) Soil</b> Sampled: 10/23/01 16:30 Received: 10/25/01 09:40     |        |                 |       |          |         |          |          |               |       |
| Dry Weight                                                                                     | 95.3   | 1.00            | %     | 1        | 1K01025 | 11/01/01 | 11/02/01 | BSOPSPL003R07 |       |
| <b>Delineation 4@6' (B1J0704-12) Soil</b> Sampled: 10/23/01 16:50 Received: 10/25/01 09:40     |        |                 |       |          |         |          |          |               |       |
| Dry Weight                                                                                     | 96.0   | 1.00            | %     | 1        | 1K01025 | 11/01/01 | 11/02/01 | BSOPSPL003R07 |       |
| <b>FMR WASTE OIL LOC. (B1J0704-13) Soil</b> Sampled: 10/11/01 10:40 Received: 10/25/01 09:40   |        |                 |       |          |         |          |          |               |       |
| Dry Weight                                                                                     | 94.6   | 1.00            | %     | 1        | 1K01025 | 11/01/01 | 11/02/01 | BSOPSPL003R07 |       |
| <b>FMR HEATING OIL LOC. (B1J0704-14) Soil</b> Sampled: 10/11/01 11:00 Received: 10/25/01 09:40 |        |                 |       |          |         |          |          |               |       |
| Dry Weight                                                                                     | 95.9   | 1.00            | %     | 1        | 1K01026 | 11/01/01 | 11/02/01 | BSOPSPL003R07 |       |
| <b>W WALL 1@6' (B1J0704-15) Soil</b> Sampled: 10/20/01 09:45 Received: 10/25/01 09:40          |        |                 |       |          |         |          |          |               |       |
| Dry Weight                                                                                     | 78.6   | 1.00            | %     | 1        | 1K01026 | 11/01/01 | 11/02/01 | BSOPSPL003R07 |       |
| <b>W WALL 2@6' (B1J0704-16) Soil</b> Sampled: 10/20/01 09:50 Received: 10/25/01 09:40          |        |                 |       |          |         |          |          |               |       |
| Dry Weight                                                                                     | 92.4   | 1.00            | %     | 1        | 1K01026 | 11/01/01 | 11/02/01 | BSOPSPL003R07 |       |
| <b>W WALL 3@6' (B1J0704-17) Soil</b> Sampled: 10/20/01 09:40 Received: 10/25/01 09:40          |        |                 |       |          |         |          |          |               |       |
| Dry Weight                                                                                     | 86.8   | 1.00            | %     | 1        | 1K01026 | 11/01/01 | 11/02/01 | BSOPSPL003R07 |       |
| <b>E WALL 4@6' (B1J0704-18) Soil</b> Sampled: 10/20/01 14:35 Received: 10/25/01 09:40          |        |                 |       |          |         |          |          |               |       |
| Dry Weight                                                                                     | 93.5   | 1.00            | %     | 1        | 1K01026 | 11/01/01 | 11/02/01 | BSOPSPL003R07 |       |

North Creek Analytical - Bothell

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Jeanne Garthwaite, Project Manager



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Secor - Mountain View  
2301 Leghorn St.  
Mountain View CA/USA, 94043

Project: Chevron #9-2114 Excavation  
Project Number: [none]  
Project Manager: Ron Chinn

**Reported:**  
11/09/01 09:31

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

| Analyte                                                                               | Result | Reporting<br>Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method        | Notes |
|---------------------------------------------------------------------------------------|--------|--------------------|-------|----------|---------|----------|----------|---------------|-------|
| <b>E WALL 5@6' (B1J0704-19) Soil Sampled: 10/20/01 14:30 Received: 10/25/01 09:40</b> |        |                    |       |          |         |          |          |               |       |
| Dry Weight                                                                            | 95.4   | 1.00               | %     | 1        | 1K01026 | 11/01/01 | 11/02/01 | BSOPSPL003R07 |       |
| <b>E WALL 6@6' (B1J0704-20) Soil Sampled: 10/20/01 14:40 Received: 10/25/01 09:40</b> |        |                    |       |          |         |          |          |               |       |
| Dry Weight                                                                            | 81.1   | 1.00               | %     | 1        | 1K01026 | 11/01/01 | 11/02/01 | BSOPSPL003R07 |       |

North Creek Analytical - Bothell

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*Jeanne Garthwaite*

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**North Creek Analytical, Inc.**  
**Environmental Laboratory Network**

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Secor - Mountain View  
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Mountain View CA/USA, 94043

Project: Chevron #9-2114 Excavation  
Project Number: [none]  
Project Manager: Ron Chinn

Reported:  
11/09/01 09:31

**Gasoline Hydrocarbons (n-Hexane to <n-Decane) and BTEX by AK101 - Quality Control**  
**North Creek Analytical - Bothell**

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|----------------|-----|--------------|-------|

Batch 1K05012: Prepared 11/05/01 Using EPA 5030B (MeOH)

**Blank (1K05012-BLK1)**

|                             |      |        |       |      |  |      |        |  |  |
|-----------------------------|------|--------|-------|------|--|------|--------|--|--|
| Gasoline Range Hydrocarbons | ND   | 5.00   | mg/kg |      |  |      |        |  |  |
| Benzene                     | ND   | 0.0200 | "     |      |  |      |        |  |  |
| Toluene                     | ND   | 0.0500 | "     |      |  |      |        |  |  |
| Ethylbenzene                | ND   | 0.0500 | "     |      |  |      |        |  |  |
| Xylenes (total)             | ND   | 0.100  | "     |      |  |      |        |  |  |
| Surrogate: 4-BFB (FID)      | 3.88 |        | "     | 4.00 |  | 97.0 | 60-120 |  |  |
| Surrogate: a,a,a-TFT (FID)  | 2.90 |        | "     | 2.40 |  | 121  | 50-150 |  |  |
| Surrogate: 4-BFB (PID)      | 3.86 |        | "     | 4.00 |  | 96.5 | 54-123 |  |  |
| Surrogate: a,a,a-TFT (PID)  | 2.46 |        | "     | 2.40 |  | 102  | 50-150 |  |  |

**LCS (1K05012-BS1)**

|                             |       |        |       |       |  |      |        |  |  |
|-----------------------------|-------|--------|-------|-------|--|------|--------|--|--|
| Gasoline Range Hydrocarbons | 24.1  | 5.00   | mg/kg | 27.5  |  | 87.6 | 60-120 |  |  |
| Benzene                     | 0.315 | 0.0200 | "     | 0.330 |  | 95.5 | 80-120 |  |  |
| Toluene                     | 1.76  | 0.0500 | "     | 1.96  |  | 89.8 | 80-120 |  |  |
| Ethylbenzene                | 0.468 | 0.0500 | "     | 0.460 |  | 102  | 80-120 |  |  |
| Xylenes (total)             | 2.23  | 0.100  | "     | 2.28  |  | 97.8 | 80-120 |  |  |
| Surrogate: 4-BFB (FID)      | 4.23  |        | "     | 4.00  |  | 106  | 60-120 |  |  |
| Surrogate: a,a,a-TFT (FID)  | 2.91  |        | "     | 2.40  |  | 121  | 50-150 |  |  |
| Surrogate: 4-BFB (PID)      | 3.84  |        | "     | 4.00  |  | 96.0 | 54-123 |  |  |
| Surrogate: a,a,a-TFT (PID)  | 2.33  |        | "     | 2.40  |  | 97.1 | 50-150 |  |  |

**LCS Dup (1K05012-BS1)**

|                             |       |        |       |       |  |      |        |      |    |
|-----------------------------|-------|--------|-------|-------|--|------|--------|------|----|
| Gasoline Range Hydrocarbons | 25.4  | 5.00   | mg/kg | 27.5  |  | 92.4 | 60-120 | 5.25 | 20 |
| Benzene                     | 0.328 | 0.0200 | "     | 0.330 |  | 99.4 | 80-120 | 4.04 | 40 |
| Toluene                     | 1.82  | 0.0500 | "     | 1.96  |  | 92.9 | 80-120 | 3.35 | 40 |
| Ethylbenzene                | 0.486 | 0.0500 | "     | 0.460 |  | 106  | 80-120 | 3.77 | 40 |
| Xylenes (total)             | 2.31  | 0.100  | "     | 2.28  |  | 101  | 80-120 | 3.52 | 40 |
| Surrogate: 4-BFB (FID)      | 4.27  |        | "     | 4.00  |  | 107  | 60-120 |      |    |
| Surrogate: a,a,a-TFT (FID)  | 2.91  |        | "     | 2.40  |  | 121  | 50-150 |      |    |
| Surrogate: 4-BFB (PID)      | 3.86  |        | "     | 4.00  |  | 96.5 | 54-123 |      |    |
| Surrogate: a,a,a-TFT (PID)  | 2.32  |        | "     | 2.40  |  | 96.7 | 50-150 |      |    |

North Creek Analytical - Bothell

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Jeanne Garthwaite, Project Manager

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 Mountain View CA/USA, 94043

Project: Chevron #9-2114 Excavation  
 Project Number: [none]  
 Project Manager: Ron Chinn

Reported:  
 11/09/01 09:31

**Diesel Hydrocarbons (C10-C25) by AK102 - Quality Control**  
**North Creek Analytical - Bothell**

| Analyte                                                 | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD  | RPD Limit | Notes |
|---------------------------------------------------------|--------|-----------------|-------|-------------|---------------|------|-------------|------|-----------|-------|
| <b>Batch 1K03006: Prepared 11/03/01 Using EPA 3550B</b> |        |                 |       |             |               |      |             |      |           |       |
| <b>Blank (1K03006-BLK1)</b>                             |        |                 |       |             |               |      |             |      |           |       |
| Diesel Range Hydrocarbons                               | ND     | 4.00            | mg/kg |             |               |      |             |      |           |       |
| Surrogate: 2-FBP                                        | 8.22   |                 | "     | 12.8        |               | 64.2 | 50-150      |      |           |       |
| <b>LCS (1K03006-BS1)</b>                                |        |                 |       |             |               |      |             |      |           |       |
| Diesel Range Hydrocarbons                               | 77.7   | 4.00            | mg/kg | 80.0        |               | 97.1 | 75-125      |      |           |       |
| Surrogate: 2-FBP                                        | 10.1   |                 | "     | 12.8        |               | 78.9 | 50-150      |      |           |       |
| <b>LCS Dup (1K03006-BSD1)</b>                           |        |                 |       |             |               |      |             |      |           |       |
| Diesel Range Hydrocarbons                               | 81.1   | 4.00            | mg/kg | 80.0        |               | 101  | 75-125      | 4.28 | 20        |       |
| Surrogate: 2-FBP                                        | 10.2   |                 | "     | 12.8        |               | 79.7 | 50-150      |      |           |       |

North Creek Analytical - Bothell

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*Jeanne Garthwaite*

Jeanne Garthwaite, Project Manager

North Creek Analytical, Inc.  
 Environmental Laboratory Network

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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

Secor - Mountain View  
2301 Leghorn St.  
Mountain View CA/USA, 94043

Project: Chevron #9-2114 Excavation  
Project Number: [none]  
Project Manager: Ron Chinn

Reported:  
11/09/01 09:31

**Diesel Hydrocarbons (C10-C25) and Heavy Oil (C25-C36) by AK102 and AK103 - Quality Control**  
**North Creek Analytical - Bothell**

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

Batch 1K01030: Prepared 11/01/01 Using EPA 3550B

**Blank (1K01030-BLK1)**

|                           |      |      |       |      |  |      |        |  |  |  |
|---------------------------|------|------|-------|------|--|------|--------|--|--|--|
| Diesel Range Hydrocarbons | ND   | 4.00 | mg/kg |      |  |      |        |  |  |  |
| Residual Range Organics   | ND   | 25.0 | "     |      |  |      |        |  |  |  |
| Surrogate: 2-FBP          | 9.11 |      | "     | 12.8 |  | 71.2 | 50-150 |  |  |  |
| Surrogate: Octacosane     | 11.7 |      | "     | 12.8 |  | 91.4 | 50-150 |  |  |  |

**LCS (1K01030-BS1)**

|                           |      |      |       |      |  |      |        |  |  |  |
|---------------------------|------|------|-------|------|--|------|--------|--|--|--|
| Diesel Range Hydrocarbons | 73.0 | 4.00 | mg/kg | 80.0 |  | 91.2 | 75-125 |  |  |  |
| Surrogate: 2-FBP          | 10.6 |      | "     | 12.8 |  | 82.8 | 50-150 |  |  |  |

**LCS (1K01030-BS2)**

|                         |      |      |       |      |  |      |        |  |  |  |
|-------------------------|------|------|-------|------|--|------|--------|--|--|--|
| Residual Range Organics | 74.8 | 25.0 | mg/kg | 80.0 |  | 93.5 | 60-120 |  |  |  |
| Surrogate: Octacosane   | 12.7 |      | "     | 12.8 |  | 99.2 | 50-150 |  |  |  |

**LCS Dup (1K01030-BSD1)**

|                           |      |      |       |      |  |      |        |       |    |  |
|---------------------------|------|------|-------|------|--|------|--------|-------|----|--|
| Diesel Range Hydrocarbons | 72.6 | 4.00 | mg/kg | 80.0 |  | 90.8 | 75-125 | 0.549 | 20 |  |
| Surrogate: 2-FBP          | 10.4 |      | "     | 12.8 |  | 81.2 | 50-150 |       |    |  |

**LCS Dup (1K01030-BSD2)**

|                         |      |      |       |      |  |      |        |      |    |  |
|-------------------------|------|------|-------|------|--|------|--------|------|----|--|
| Residual Range Organics | 77.0 | 25.0 | mg/kg | 80.0 |  | 96.2 | 60-120 | 2.90 | 20 |  |
| Surrogate: Octacosane   | 12.7 |      | "     | 12.8 |  | 99.2 | 50-150 |      |    |  |

North Creek Analytical - Bothell

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Jeanne Garthwaite, Project Manager

North Creek Analytical, Inc.  
Environmental Laboratory Network

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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

Secor - Moutain View  
2301 Leghorn St.  
Mountain View CA/USA, 94043

Project: Chevron #9-2114 Excavation  
Project Number: [none]  
Project Manager: Ron Chinn

Reported:  
11/09/01 09:31

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

| Analyte                                                  | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC<br>Limits | RPD<br>Limit | Notes |
|----------------------------------------------------------|--------|--------------------|-------|----------------|------------------|----------------|--------------|-------|
| <b>Batch 1K01025: Prepared 11/01/01 Using Dry Weight</b> |        |                    |       |                |                  |                |              |       |
| <b>Blank (1K01025-BLK1)</b>                              |        |                    |       |                |                  |                |              |       |
| Dry Weight                                               | 100    | 1.00               | %     |                |                  |                |              |       |
| <b>Batch 1K01026: Prepared 11/01/01 Using Dry Weight</b> |        |                    |       |                |                  |                |              |       |
| <b>Blank (1K01026-BLK1)</b>                              |        |                    |       |                |                  |                |              |       |
| Dry Weight                                               | 100    | 1.00               | %     |                |                  |                |              |       |

North Creek Analytical - Bothell

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*Jeanne Garthwaite*

Jeanne Garthwaite, Project Manager

North Creek Analytical, Inc.  
Environmental Laboratory Network

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Secor - Mountain View  
2301 Leghorn St.  
Mountain View CA/USA, 94043

Project: Chevron #9-2114 Excavation  
Project Number: [none]  
Project Manager: Ron Chinn

Reported:  
11/09/01 09:31

### Notes and Definitions

- D-09 Results in the diesel organics range are primarily due to overlap from a heavy oil range product.
- G-01 Results reported for the gas range are primarily due to overlap from diesel range hydrocarbons.
- I-06 The analyte concentration may be artificially elevated due to coeluting compounds or components.
- Q-29 This sample was prepared outside of the method established holding time.
- S-01 The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interferences.
- S-02 The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample.
- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interferences.
- 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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Jeanne Garthwaite, Project Manager

**North Creek Analytical, Inc.**  
**Environmental Laboratory Network**

Page 20 of 20





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20-9 FAX 10  
(509) 924-9200 FAX 924-9290  
(503) 906-9200 FAX 906-9210  
(541) 383-9310 FAX 382-7588

# CHAIN OF CUSTODY REPORT

Work Order #:

6150104

CLIENT: CHEVRON / SECOR INTERNATIONAL  
REPORT TO: SECOR INTL. - RONALD CHINN  
ADDRESS: 2301 LEGADORN ST  
MOUNTAIN VIEW, CA 94043  
PHONE: (650) 691-0131 FAX: (650) 691-9837  
PROJECT NAME: CHEVRON 9-2114 EXCAVATION  
PROJECT NUMBER:  
SAMPLED BY: RDC

INVOICE TO: BOB CASHMAN  
6001 BOLLINGHOUSE CANYON RD  
BLDG L  
SAN RAMON, CA  
P.O. NUMBER:

REQUESTED ANALYSES

| ANALYSES   | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|
| DRO + KRO  | X |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| GRO + BTEX | X |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| DRO        | X |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |

| CLIENT SAMPLE IDENTIFICATION | SAMPLING DATE/TIME | MATRIX (W, S, O) | # OF CONT. | COMMENTS | NCA WO ID |
|------------------------------|--------------------|------------------|------------|----------|-----------|
| 1. FUR WASTE OIL LOC.        | 10/11/01 10:40A    | S                |            |          | -13       |
| 2. FUR HEATING OIL LOC.      | 10/11/01 11:00A    |                  |            |          | -14       |
| 3. W WALL 1EG'               | 10/20/01 9:45A     |                  |            |          | -15       |
| 4. W WALL 2EG'               | 10/20/01 9:50A     |                  |            |          | -16       |
| 5. W WALL 3EG'               | 10/20/01 9:40A     |                  |            |          | -17       |
| 6. E WALL 4EG'               | 10/20/01 2:35P     |                  |            |          | -18       |
| 7. E WALL 5EG'               | 10/20/01 2:30P     |                  |            |          | -19       |
| 8. E WALL 6EG'               | 10/20/01 2:40P     |                  |            |          | -20       |
| 9.                           |                    |                  |            |          |           |
| 10.                          |                    |                  |            |          |           |
| 11.                          |                    |                  |            |          |           |
| 12.                          |                    |                  |            |          |           |
| 13.                          |                    |                  |            |          |           |
| 14.                          |                    |                  |            |          |           |
| 15.                          |                    |                  |            |          |           |

TURNAROUND REQUEST in Business Days\*

Organic & Inorganic Analyses

|    |   |   |   |   |   |   |    |
|----|---|---|---|---|---|---|----|
| 10 | 7 | 5 | 4 | 3 | 2 | 1 | <1 |
|----|---|---|---|---|---|---|----|

Petroleum Hydrocarbon Analyses

|   |   |   |   |   |    |
|---|---|---|---|---|----|
| 5 | 4 | 3 | 2 | 1 | <1 |
|---|---|---|---|---|----|

STD.

OTHER: STD - AS CONTRACTED  
w/ CHEVRON

Please Specify

\*Turnaround Requests less than standard may incur Rush Charges.

RELINQUISHED BY: RONALD D. CHINN DATE: 10/25/01  
PRINT NAME: SECOR INTL FIRM: SECOR TIME: 9:40

RELINQUISHED BY: SECOR DATE: 10/25/01  
PRINT NAME: SECOR FIRM: SECOR TIME: 9:40

RELINQUISHED BY: SECOR DATE: 10/25/01  
PRINT NAME: SECOR FIRM: SECOR TIME: 9:40

ADDITIONAL REMARKS:

COC REV 3/99



# NORTHERN TESTING LABORATORIES, INC.

3330 INDUSTRIAL AVENUE  
5761 SILVERADO WAY, UNIT N  
POUCH 340043

FAIRBANKS, ALASKA 99701  
ANCHORAGE, ALASKA 99518  
PRUDHOE BAY, ALASKA 99734

(907) 456-3116 • FAX 456 3125  
(907) 349-1000 • FAX 349-1016  
(907) 659-2145 • FAX 659-2146

Secor International, Inc.  
2301 Leghorn Street  
Mountain View, CA 94043

Attn: Ronald Chinn

Client ID: Tank Contents  
Client Project: Chevron 9-2114  
Source:  
NTL Lab#: A176264  
Sample Matrix: Oil  
Comments:



Report Date: 11/16/01  
Date Arrived: 10/25/01  
Sample Date: 10/24/01  
Sample Time: 10:50  
Collected By: RDC

**\*\*Legend\*\***

MRL = Method Report Level  
MCL = Max. Contaminant Level  
B = Present In Method Blank  
E = Estimated Value  
M = Matrix Interference  
H = Above MCL  
D = Lost to Dilution

| Method | Parameter                                       | Units               | Result        | MRL     | Date Prepared | Date Analyzed |
|--------|-------------------------------------------------|---------------------|---------------|---------|---------------|---------------|
| AK 101 | Gasoline Range Organics<br>4-Bromofluorobenzene | ug/L<br>% Recovery  | 66900000<br>D | 5000000 |               | 11/8/01       |
| AK 102 | Diesel Range Organics<br>C25 (Surr)             | mg/kg<br>% Recovery | 830000<br>117 | 2500    | 10/30/01      | 11/5/01       |
| AK 103 | Residual Range Organics<br>C36 (Surr)           | mg/kg<br>% Recovery | <MRL<br>113   | 25000   | 10/30/01      | 11/5/01       |

Wendy M. Mitchell  
Reported By: Wendy M. Mitchell  
Anchorage Laboratory Manager





# NORTHERN TESTING LABORATORIES, INC.

3330 INDUSTRIAL AVENUE  
5761 SILVERADO WAY, UNIT N  
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(907) 349-1000 • FAX 349-1016  
(907) 659-2145 • FAX 659-2146

Secor International, Inc.  
2301 Leghorn Street  
Mountain View, CA 94043

Attn: Ronald Chinn

Client ID: Tank E Wall @ 6'  
Client Project: Chevron 9-4115  
Source:  
NTL Lab#: A176265  
Sample Matrix: Soil  
Comments:

Report Date: 11/16/01  
Date Arrived: 10/25/01  
Sample Date: 10/24/01  
Sample Time: 11:50  
Collected By: RDC

**\*\*Legend\*\***

MRL = Method Report Level  
MCL = Max. Contaminant Level  
B = Present In Method Blank  
E = Estimated Value  
M = Matrix Interference  
H = Above MCL  
D = Lost to Dilution

| Method    | Parameter               | Units      | Result | MRL   | Date Prepared | Date Analyzed |
|-----------|-------------------------|------------|--------|-------|---------------|---------------|
| AK 101    | Gasoline Range Organics | mg/dry kg  | 673    | 122   |               | 11/8/01       |
| AK 102    | Diesel Range Organics   | mg/dry kg  | 13300  | 47.0  | 11/7/01       | 11/8/01       |
|           | C25 (Surr)              | % Recovery | 97     |       |               |               |
| EPA 8021  | Benzene                 | mg/dry kg  | 5.79   | 0.489 |               | 11/7/01       |
|           | Ethylbenzene            | mg/dry kg  | 14.2   | 0.489 |               |               |
|           | Toluene                 | mg/dry kg  | 2.30   | 0.979 |               |               |
|           | m,p-Xylene              | mg/dry kg  | 36.4   | 2.45  |               |               |
|           | o-Xylene                | mg/dry kg  | 31.8   | 1.22  |               |               |
|           | 4-Bromofluorobenzene    | % Recovery | 167M   |       |               |               |
| SM 2540 G | Total Solids, Percent   | %          | 85.1   |       | 11/7/01       | 11/8/01       |

Wendy M. Mitchell

Reported By: Wendy M. Mitchell  
Anchorage Laboratory Manager



# NORTHERN TESTING LABORATORIES, INC.

3330 INDUSTRIAL AVENUE  
5761 SILVERADO WAY; UNIT N  
POUCH 340043

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(907) 349-1000 • FAX 349-1016  
(907) 659-2145 • FAX 659-2146

Secor International, Inc.  
2301 Leghorn Street  
Mountain View, CA 94043

Attn: Ronald Chinn

Client ID: Tank S Wall @ 6'

Client Project: Chevron 9-4115

Source:

NTL Lab#: A176266

Sample Matrix: Soil

Comments: appropriate BTEX dilution analyzed 2 days out of hold time

Report Date: 11/16/01

Date Arrived: 10/25/01

Sample Date: 10/24/01

Sample Time: 11:45

Collected By: RDC

## \*\* Legend \*\*

MRL = Method Report Level  
MCL = Max. Contaminant Level  
B = Present In Method Blank  
E = Estimated Value  
M = Matrix Interference  
H = Above MCL  
D = Lost To Dilution

| Method    | Parameter               | Units      | Result | MRL  | Date Prepared | Date Analyzed |
|-----------|-------------------------|------------|--------|------|---------------|---------------|
| AK 101    | Gasoline Range Organics | mg/dry kg  | 530    | 134  |               | 11/9/01       |
|           | 4-Bromofluorobenzene    | % Recovery | 134    |      |               |               |
| AK 102    | Diesel Range Organics   | mg/dry kg  | 9630   | 45.5 | 11/7/01       | 11/9/01       |
|           | C25 (Surr)              | % Recovery | 104    |      |               |               |
| EPA 8021  | Benzene                 | mg/dry kg  | 20.3   | 2.69 |               | 11/9/01       |
|           | Ethylbenzene            | mg/dry kg  | 6.39   | 2.69 |               |               |
|           | Toluene                 | mg/dry kg  | 51.5   | 2.69 |               |               |
|           | m,p-Xylene              | mg/dry kg  | 31.0   | 5.37 |               |               |
|           | o-Xylene                | mg/dry kg  | 18.1   | 2.69 |               |               |
|           | 4-Bromofluorobenzene    | % Recovery | 158M   |      |               |               |
| SM 2540 G | Total Solids, Percent   | %          | 87.9   |      | 11/7/01       | 11/8/01       |

*Wendy M. Mitchell*

Reported By: Wendy M. Mitchell

Anchorage Laboratory Manager



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(907) 659-2145 • FAX 659-2146

Secor International, Inc.  
2301 Leghorn Street  
Mountain View, CA 94043

Attn: Ronald Chinn

Client ID: Tank N Wall @ 6'

Client Project: Chevron 9-4115

Source:

NTL Lab#: A176267

Sample Matrix: Soil

Comments: appropriate BTEX dilution analyzed 2 days out of hold time

Report Date: 11/16/01

Date Arrived: 10/25/01

Sample Date: 10/24/01

Sample Time: 12:00

Collected By: RDC

## \*\* Legend \*\*

MRL = Method Report Level  
MCL = Max. Contaminant Level  
B = Present in Method Blank  
E = Estimated Value  
M = Matrix Interference  
H = Above MCL  
D = Lost To Dilution

| Method    | Parameter               | Units      | Result | MRL   | Date Prepared | Date Analyzed |
|-----------|-------------------------|------------|--------|-------|---------------|---------------|
| AK 101    | Gasoline Range Organics | mg/dry kg  | 548    | 98.5  |               | 11/8/01       |
|           | 4-Bromofluorobenzene    | % Recovery | 260M   |       |               |               |
| AK 102    | Diesel Range Organics   | mg/dry kg  | 8150   | 42.1  | 11/7/01       | 11/9/01       |
|           | C25 (Surr)              | % Recovery | 100    |       |               |               |
| EPA 8021  | Benzene                 | mg/dry kg  | 2.05   | 0.985 |               | 11/9/01       |
|           | Ethylbenzene            | mg/dry kg  | 7.13   | 0.985 |               |               |
|           | Toluene                 | mg/dry kg  | 1.40   | 0.985 |               |               |
|           | m,p-Xylene              | mg/dry kg  | 33.8   | 1.97  |               |               |
|           | o-Xylene                | mg/dry kg  | 19.6   | 0.985 |               |               |
|           | 4-Bromofluorobenzene    | % Recovery | 228M   |       |               |               |
| SM 2540 G | Total Solids, Percent   | %          | 94.6   |       | 11/7/01       | 11/8/01       |



Reported By: Wendy M. Mitchell  
Anchorage Laboratory Manager



# NORTHERN TESTING LABORATORIES, INC.

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(907) 659-2145 • FAX 659-2146

Secor International, Inc.  
2301 Leghorn Street  
Mountain View, CA 94043

Attn: Ronald Chinn

Client ID: Tank W Wall @ 6'

Client Project: Chevron 9-4115

Source:

NTL Lab#: A176268

Sample Matrix: Soil

Comments:

Report Date: 11/16/01

Date Arrived: 10/25/01

Sample Date: 10/24/01

Sample Time: 12:10

Collected By: RDC

## \*\* Legend \*\*

MRL = Method Report Level  
MCL = Max. Contaminant Level  
B = Present In Method Blank  
E = Estimated Value  
M = Matrix Interference  
H = Above MCL  
D = Lost To Dilution

| Method    | Parameter               | Units      | Result | MRL  | Date Prepared | Date Analyzed |
|-----------|-------------------------|------------|--------|------|---------------|---------------|
| AK 101    |                         |            |        |      |               |               |
|           | Gasoline Range Organics | mg/dry kg  | 677    | 70.1 |               | 11/7/01       |
|           | 4-Bromofluorobenzene    | % Recovery | 73     |      |               |               |
| AK 102    |                         |            |        |      |               |               |
|           | Diesel Range Organics   | mg/dry kg  | 12300  | 53.5 | 11/7/01       | 11/9/01       |
|           | C25 (Surr)              | % Recovery | 93     |      |               |               |
| EPA 8021  |                         |            |        |      |               |               |
|           | Benzene                 | mg/dry kg  | 4.49   | 1.40 |               | 11/7/01       |
|           | Ethylbenzene            | mg/dry kg  | 8.13   | 1.40 |               |               |
|           | Toluene                 | mg/dry kg  | <MRL   | 2.80 |               |               |
|           | m,p-Xylene              | mg/dry kg  | 56.9   | 2.80 |               |               |
|           | o-Xylene                | mg/dry kg  | 26.1   | 1.40 |               |               |
|           | 4-Bromofluorobenzene    | % Recovery | 162M   |      |               |               |
| SM 2540 G |                         |            |        |      |               |               |
|           | Total Solids, Percent   | %          | 74.5   |      | 11/7/01       | 11/8/01       |



Reported By: Wendy M. Mitchell

Anchorage Laboratory Manager



# NORTHERN TESTING LABORATORIES, INC.

3330 INDUSTRIAL AVENUE  
5761 SILVERADO WAY, UNIT N  
POUCH 340043

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(907) 659-2145 • FAX 659-2146

Secor International, Inc.  
2301 Leghorn Street  
Mountain View, CA 94043

Attn: Ronald Chinn

Client ID: Tank Bottom @ 10'

Client Project: Chevron 9-4115

Source:

NTL Lab#: A176269

Sample Matrix: Soil

Comments: appropriate BTEX dilution analyzed 2 days out of hold time

Report Date: 11/16/01

Date Arrived: 10/25/01

Sample Date: 10/24/01

Sample Time:

Collected By: RDC

## \*\* Legend \*\*

MRL = Method Report Level  
MCL = Max. Contaminant Level  
B = Present In Method Blank  
E = Estimated Value  
M = Matrix Interference  
H = Above MCL  
D = Lost To Dilution

| Method    | Parameter               | Units      | Result | MRL   | Date Prepared | Date Analyzed |
|-----------|-------------------------|------------|--------|-------|---------------|---------------|
| AK 101    |                         |            |        |       |               |               |
|           | Gasoline Range Organics | mg/dry kg  | 176    | 137   |               | 11/8/01       |
|           | 4-Bromofluorobenzene    | % Recovery | 119    |       |               |               |
| AK 102    |                         |            |        |       |               |               |
|           | Diesel Range Organics   | mg/dry kg  | 429    | 10.6  | 11/7/01       | 11/8/01       |
|           | C25 (Surr)              | % Recovery | 106    |       |               |               |
| EPA 8021  |                         |            |        |       |               |               |
|           | Benzene                 | mg/dry kg  | 1.15   | 0.549 |               | 11/9/01       |
|           | Ethylbenzene            | mg/dry kg  | 0.912  | 0.549 |               |               |
|           | Toluene                 | mg/dry kg  | 4.65   | 0.549 |               |               |
|           | m,p-Xylene              | mg/dry kg  | 4.56   | 1.10  |               |               |
|           | o-Xylene                | mg/dry kg  | 1.99   | 0.549 |               |               |
|           | 4-Bromofluorobenzene    | % Recovery | 152M   |       |               |               |
| SM 2540 G |                         |            |        |       |               |               |
|           | Total Solids, Percent   | %          | 94.1   |       | 11/7/01       | 11/8/01       |



Reported By: Wendy M. Mitchell

Anchorage Laboratory Manager



# NORTHERN TESTING LABORATORIES, INC.

3330 INDUSTRIAL AVENUE  
5761 SILVERADO WAY, UNIT N  
POUCH 340043

FAIRBANKS, ALASKA 99701  
ANCHORAGE, ALASKA 99518  
PRUDHOE BAY, ALASKA 99734

(907) 456-3116 • FAX 456-3125  
(907) 349-1000 • FAX 349-1016  
(907) 659-2145 • FAX 659-2146

Secor International, Inc.  
2301 Leghorn Street  
Mountain View, CA 94043

Attn: Ronald Chinn

Client ID: Travel Blank  
Client Project: Chevron 9-4115  
Source:  
NTL Lab#: A176270  
Sample Matrix: Soil  
Comments:

Report Date: 11/16/01

Date Arrived: 10/25/01

Sample Date:

Sample Time:

Collected By:

**\*\* Legend \*\***

MRL = Method Report Level  
MCL = Max. Contaminant Level  
B = Present In Method Blank  
E = Estimated Value  
M = Matrix Interference  
H = Above MCL  
D = Lost To Dilution

| Method   | Parameter               | Units      | Result | MRL   | Date Prepared | Date Analyzed |
|----------|-------------------------|------------|--------|-------|---------------|---------------|
| AK 101   | Gasoline Range Organics | mg/dry kg  | <MRL   | 1.18  |               | 11/7/01       |
|          | 4-Bromofluorobenzene    | % Recovery | 86     |       |               |               |
| EPA 8021 | Benzene                 | mg/dry kg  | <MRL   | 0.024 |               | 11/7/01       |
|          | Ethylbenzene            | mg/dry kg  | <MRL   | 0.024 |               |               |
|          | Toluene                 | mg/dry kg  | <MRL   | 0.047 |               |               |
|          | m,p-Xylene              | mg/dry kg  | <MRL   | 0.047 |               |               |
|          | o-Xylene                | mg/dry kg  | <MRL   | 0.024 |               |               |
|          | 4-Bromofluorobenzene    | % Recovery | 129    |       |               |               |

*Wendy M. Mitchell*

Reported By: Wendy M. Mitchell

Anchorage Laboratory Manager

**NORTHERN TESTING LABORATORIES, INC.**

3330 INDUSTRIAL AVENUE  
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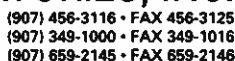
(907) 456-3116 • FAX 456-3125  
(907) 349-1000 • FAX 349-1016  
(907) 659-2145 • FAX 659-2146

# ANALYTICAL SERVICES ORDER AND CHAIN OF CUSTODY FORM

**PLEASE PRINT CLEARLY & FIRMLY**

**Nº 29203**

|                                                                                                                                                                                                                               |                       |                                                           |          |                                                                                                                                                                                                                                                                                                                                                                                          |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------------------------------------------|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Client name and address:<br><b>ECOR INTL.</b><br><del>2301 MOUNTAIN VIEW</del><br><b>2301 ECHOEN ST</b><br><b>MOUNTAIN VIEW CA 94043</b>                                                                                      |                       | Phone:<br><b>(650) 411-0131</b>                           |          | NTL Account Number:                                                                                                                                                                                                                                                                                                                                                                      |  |
|                                                                                                                                                                                                                               |                       | FAX:                                                      |          | <b>PAYMENT INFORMATION:</b><br>P.O. or Contract #: _____<br>Authorization#: _____<br>Invoice #: _____<br>Cash or check payable to NTL: _____<br>Credit Card: (Please call for phone order)                                                                                                                                                                                               |  |
|                                                                                                                                                                                                                               |                       | Email:<br><b>RONN@ECOR.COM</b>                            |          |                                                                                                                                                                                                                                                                                                                                                                                          |  |
| Contact: <b>RONN CHINN</b>                                                                                                                                                                                                    |                       | PWS No:                                                   |          |                                                                                                                                                                                                                                                                                                                                                                                          |  |
| Reporting Format: <input type="checkbox"/> Regular <input type="checkbox"/> Data Deliverable                                                                                                                                  |                       | Send results to ADEC: <input type="checkbox"/>            |          | <div style="display: flex; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); border: 1px solid black; padding: 5px; margin-right: 5px;">Number of Containers</div> <div style="border: 1px solid black; padding: 10px; flex-grow: 1;"> <b>Requested Analysis</b><br/><br/> <div style="font-size: 2em; margin-top: 20px;">330</div> </div> </div> |  |
| Sampled by: <b>RDC</b>                                                                                                                                                                                                        |                       | Project information:<br><b>CHEVRON 1-2114 / 006.03990</b> |          |                                                                                                                                                                                                                                                                                                                                                                                          |  |
| Comments:<br><b>★ WARNING ★ CONTAINS PRODUCT</b><br><br><b>★ REFIN SAMPLE FOR POSSIBLE ADDTL ANALYSIS</b>                                                                                                                     |                       |                                                           |          |                                                                                                                                                                                                                                                                                                                                                                                          |  |
| Client Sample ID:                                                                                                                                                                                                             | Sample Date/Time:     | Matrix:                                                   | NTL ID#: |                                                                                                                                                                                                                                                                                                                                                                                          |  |
| <b>TANK CONTENTS</b>                                                                                                                                                                                                          | <b>10/24/01 13:22</b> | <b>LIQUID</b>                                             |          | <b>1</b>                                                                                                                                                                                                                                                                                                                                                                                 |  |
|                                                                                                                                                                                                                               |                       |                                                           |          |                                                                                                                                                                                                                                                                                                                                                                                          |  |
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|                                                                                                                                                                                                                               |                       |                                                           |          |                                                                                                                                                                                                                                                                                                                                                                                          |  |
| Relinquished by:                                                                                                                                                                                                              | Date/Time:            | Received by:                                              |          | To be completed by NTL<br>Sample Received: <input type="checkbox"/> ANC <input type="checkbox"/> FAI<br>COC Seal Intact? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A<br>Temperature on Arrival: _____ °C<br>Comments:                                                                                                                          |  |
| <b>[Signature]</b>                                                                                                                                                                                                            | <b>10/24/01 13:22</b> | <b>LMG 1322</b>                                           |          |                                                                                                                                                                                                                                                                                                                                                                                          |  |
| Relinquished by:                                                                                                                                                                                                              | Date/Time:            | Received by:                                              |          |                                                                                                                                                                                                                                                                                                                                                                                          |  |
| Relinquished by:                                                                                                                                                                                                              | Date/Time:            | Received by:                                              |          |                                                                                                                                                                                                                                                                                                                                                                                          |  |
| <b>Client Signature:</b> <b>[Signature]</b><br>By signing, I have read and accepted the terms and conditions outlined on the back of this form or as otherwise stipulated in the above referenced contract or purchase order. |                       |                                                           |          |                                                                                                                                                                                                                                                                                                                                                                                          |  |
|                                                                                                                                                                                                                               |                       |                                                           |          | Page ____ of ____                                                                                                                                                                                                                                                                                                                                                                        |  |





**ATTACHMENT D**  
**CALCULATION OF MASS REMOVAL ESTIMATE**

**Calculation of Mass Removal Estimate  
Remedial Excavation and UST Removal**

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Excavation of UST Complex and Pump Islands

Mass of Soil Excavated<sub>1</sub> = 1,184.29 tons

Average Concentration of Side Samples =      1,717.22 mg/kg GRO  
                                                                                 3,777.05 mg/kg DRO  
                                                                                 8.27 mg/kg Benzene

Excavation of UST Discovery

Mass of Soil Excavated<sub>2</sub> = 47.29 tons

Average Concentration of Tank Samples =      520.8 mg/kg GRO  
                                                                                 8,762 mg/kg DRO  
                                                                                 6.76 mg/kg Benzene

Mass Removed<sub>1</sub>

GRO:      Mass Removed<sub>1</sub> = Mass of Soil Excavated<sub>1</sub> \* Average Concentration<sub>GRO</sub>  
                                 = (1,184.29 tons \* 2,000 lbs./tons \* 1 kg/2.2 lbs.) \* 1,717.22 mg/kg GRO  
                                 = 1,848.80 kg  
                                 = 4,067.37 lbs

DRO:      Mass Removed<sub>1</sub> = Mass of Soil Excavated<sub>1</sub> \* Average Concentration<sub>DRO</sub>  
                                 = (1,184.29 tons \* 2,000 lbs./tons \* 1 kg/2.2 lbs.) \* 3,777.05 mg/kg DRO  
                                 = 4,066.47 kg  
                                 = 8,946.23 lbs

Benzene:      Mass Removed<sub>1</sub> = Mass of Soil Excavated<sub>1</sub> \* Average Concentration<sub>Benzene</sub>  
                                 = (1,184.29 tons \* 2000 lbs./tons \* 1 kg/2.2 lbs.) \* 8.27 mg/kg Benzene  
                                 = 8.91 kg  
                                 = 19.59 lbs

Mass Removed<sub>2</sub>

GRO:      Mass Removed<sub>2</sub> = Mass of Soil Excavated<sub>2</sub> \* Average Concentration<sub>GRO</sub>  
                                 = (47.29 tons \* 2,000 lbs./tons \* 1 kg/2.2 lbs.) \* 520.8 mg/kg GRO  
                                 = 22.39 kg  
                                 = 49.26 lbs

DRO:      Mass Removed<sub>2</sub> = Mass of Soil Excavated<sub>2</sub> \* Average Concentration<sub>DRO</sub>  
                                 = (47.29 tons \* 2,000 lbs./tons \* 1 kg/2.2 lbs.) \* 8,762 mg/kg DRO  
                                 = 376.68 kg  
                                 = 828.69 lbs

Benzene:      Mass Removed<sub>2</sub> = Mass of Soil Excavated<sub>2</sub> \* Average Concentration<sub>Benzene</sub>  
                                 = (47.29 tons \* 2000 lbs./tons \* 1 kg/2.2 lbs.) \* 6.76 mg/kg Benzene  
                                 = 0.29 kg  
                                 = 0.64 lbs

**Calculation of Mass Removal Estimate  
Remedial Excavation and UST Removal**

---

**Total Mass Removed = Mass Removed<sub>1</sub> + Mass Removed<sub>2</sub>**

**GRO:        Total Mass Removed = 4,067.37 lbs + 49.26 lbs  
                 = 4,116.63 lbs**

**DRO:        Total Mass Removed = 8,946.23 lbs + 828.69 lbs  
                 = 9,774.93 lbs**

**Benzene:    Total Mass Removed = 19.59 lbs + 0.64 lbs  
                 = 20.23 lbs**