

1200-112th Avenue N.E.
Suite C-146
Bellevue, Washington 98004-3769
425/450-7726
FAX: 425/450-8837

October 15, 2001
Project CW97-348-4U01

Mr. Brett Hunter
Chevron Products Company
6001 Bollinger Canyon Rd
Building V, Room 1144
San Ramon, CA 94583-0904

Re: Sub-surface Environmental Investigation
Former Chevron Service Station 9-7348
502 North Wenatchee Ave.
Wenatchee, Washington

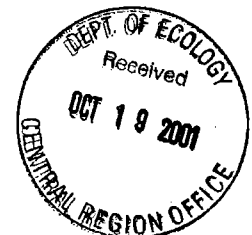
UST# 5233
FS# 15685336

Dear Mr. Hunter:

This letter presents the results of an environmental investigation conducted by Delta Environmental Consultants, Inc. (Delta) at former Chevron Service Station 9-7348, located at the address referenced above (Figure 1). The purpose of this investigation was to assess and document the soil quality with respect to petroleum hydrocarbons at the site.

The following scope of work was performed between April 5, 2001 and October 10, 2001 and consisted of the following tasks:

- Create the Site Health and Safety Plan.
- Drill two exploratory soil borings (B-6 and B-7).
- Collect soil samples from selected intervals in the soil borings.
- Field screen soil samples using a photo-ionization detector (PID).
- Submit soil samples and appropriate documentation to a Chevron approved laboratory for analysis.
- Dispose of soil cutting at a state approved soil disposal facility in accordance with current environmental regulatory laws.



SITE DESCRIPTION

The former Chevron Service Station is currently divided into two separate parcels and consists of a small office complex in the southern half and a self serve car wash in the northern half. The former facility is located at 502 North Wenatchee Ave., in Wenatchee, Washington. The area surrounding the site consists of retail buildings. Three gasoline underground storage tanks (USTs) were located in a common excavation on the north side of the site, east of the current car wash stalls. The service station building was located in the center of the site in the current footprint of both the office complex and the car wash stalls. The fuel dispensers were located to the east of the station building in the parking area of the car wash.

SOIL BORING INSTALLATION AND SAMPLING

Two exploratory soil borings (B-6 and B-7) were installed by Cascade Drilling, Inc. (Cascade) of Woodinville, Washington on April 5, 2001. The borings were located along the northwest side of the car wash property just off of North Wenatchee Avenue. The borings were drilled to total depths between 20.3 and 25.4 feet below grade (bg). The soil borings were drilled using a hollow-stem auger drill rig, and logged by a Delta environmental engineer using the Unified Soil Classification System. Soil samples were collected in 5-foot intervals to the total depths explored in the borings. Soil samples for chemical analysis were retained in laboratory-supplied glass jars with Teflon[®] lined lids. The soil samples were placed on ice for transport and submitted to North Creek Analytical, Inc. (NCA) in Bothell, Washington for chemical analyses. Sample preservation techniques are described in Attachment A.

Soil samples were field screened for the presence of hydrocarbons using a Perkin Elmer Photovac Model 2020 photo-ionization detector (PID) with a 10.0 electron volt (eV) lamp. Field screening methodology is described in Attachment A. PID results for the soil samples collected were all non-detect, i.e. 0 parts per million (ppm). The results of this field screening are also recorded on the soil boring logs included in Attachment B. It should be noted that the PID measurements are considered semi-quantitative data since the instrument detects all organic compounds with ionization potentials less than 10 eV and can be effected by both temperature and humidity.

ANALYTICAL PARAMETERS

Soil and groundwater samples were analyzed for the following parameters:

<u>PARAMETER</u>	<u>METHOD</u>
Total Petroleum Hydrocarbons as gasoline	Northwest Method NWTPH-Gx
Total Petroleum Hydrocarbons as diesel and oil Benzene, toluene, ethylbenzene, and xylenes (BTEX compounds)	Northwest Method NWTPH-Dx w/silica gel clean-up EPA Method 8021B
Total lead	EPA 6000/7000 Series Methods

The soil samples were analyzed by North Creek Analytical, Inc., of Bothell, Washington.

SOIL ANALYTICAL RESULTS

Concentration of TPH-gasoline, TPH-diesel, TPH-oil and BTEX compounds were not detected above laboratory reporting limits in the soil samples submitted for analysis from borings B-6 and B-7. Soil sample B-7-20 contained a total lead concentration of 4.33 mg/kg. Soil sample analytical results are presented in Table 1. Laboratory methods, analytical reports, and chain-of-custody documentation are contained in Attachment C.

SUBSURFACE CONDITIONS

Soils encountered in the investigation ranged from medium dense to very dense silty sand. PID measurements in the soil samples screened were non-detect.

FINDINGS AND CONCLUSIONS

Concentration of TPH-gasoline, TPH-diesel, TPH-oil, and BTEX compounds were not detected above laboratory reporting limits in soil samples from borings B-6 and B-7. Detected concentrations of lead did not exceed the Washington State Department of Ecology Model Toxics Control Act (MTCA) Method A cleanup level.

The drill cuttings were drummed on site. Laboratory analytical results indicated no petroleum based byproducts were in the soil. Subsequently, on October 10, 2001 the 1.10 tones of soil was transported off site to TPS Technologies, of Tacoma Washington for disposal.

Chevron 9-7348
Wenatchee, WA
October 15, 2001
Page 4

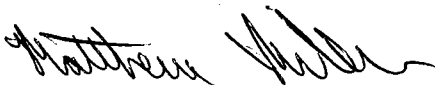
Delta appreciates this opportunity to be of continuing service. If you have any questions regarding the contents of this report, please call.

Sincerely,

Delta Environmental Consultants, Inc.

Handwritten signature of Shawn Madison in black ink, with the initials "FOR" written to the right of the signature.

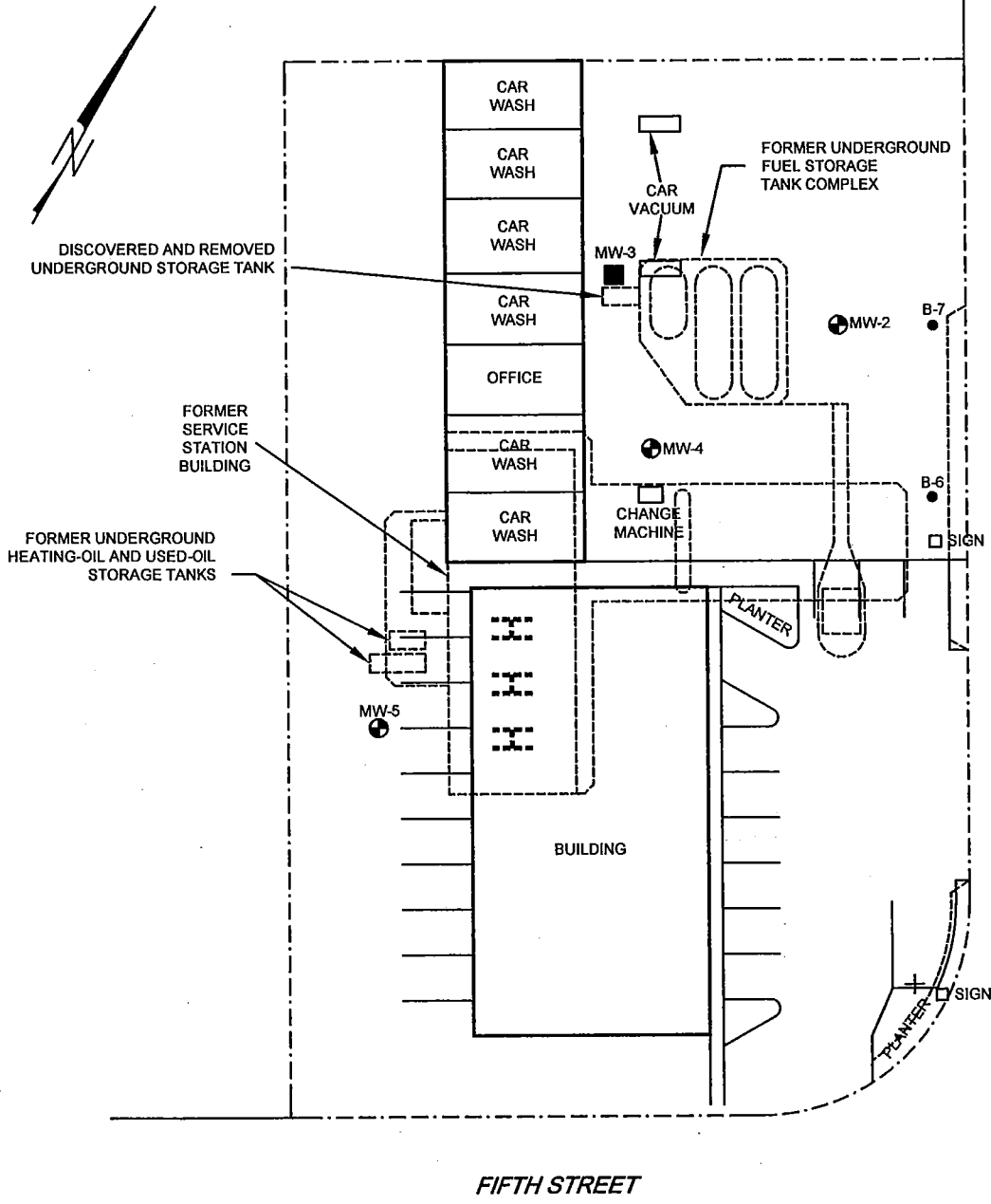
Shawn Madison
Environmental Engineer

Handwritten signature of Matthew Miller in black ink.

Matthew Miller
Project Manager

Attachments: Table 1 - Soil Analytical Results
Figure 1 - Site Map
Attachment A - Investigative Procedures
Attachment B - Boring Logs/Field Data Sheets
Attachment C - Laboratory Analytical Methods and Reports
Chain-of-Custody Documentation

cc: Washington State Department of Ecology, Central Region
Property Owner - E. Gus Noyd



- LEGEND:**
- ⊕ MW-1 MONITORING WELL LOCATION AND DESIGNATION
 - MW-3 ABANDONED MONITORING WELL LOCATION AND DESIGNATION
 - B-6 SOIL BORING LOCATION AND DESIGNATION

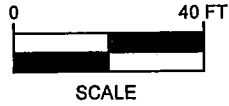



FIGURE 1
SITE MAP

FORMER CHEVRON SERVICE STATION NO. 9-7348
502 NORTH WENATCHEE AVENUE
WENATCHEE, WA.

PROJECT NO. CW97-348	DRAWN BY M.L. 6/27/01
FILE NO. 9-7348 Site	PREPARED BY S.M.
REVISION NO. 1	REVIEWED BY



Delta
Environmental
Consultants, Inc.

TABLE 1
SOIL ANALYTICAL RESULTS

Chevron Service Station 9-7348
502 North Wenatchee Avenue
Wenatchee, WA

Sample I.D.	Date	TPH-Gasoline (mg/kg)	TPH-Diesel (mg/kg)	TPH-Oil (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Total Lead (mg/kg)
B-6-5	04/05/01	ND	ND	ND	ND	ND	ND	ND	NA
B-6-20	04/05/01	ND	ND	ND	ND	ND	ND	ND	NA
B-7-5	04/05/01	ND	ND	ND	ND	ND	ND	ND	NA
B-7-20	04/05/01	ND	ND	ND	ND	ND	ND	ND	4.33
MTC Method A Cleanup Levels:									
		100	200.00	200.00	0.5	40	20	20	250
Laboratory Reporting Limits:									
		5.00	10.00	25.00	0.0500	0.0500	0.0500	0.100	0.333
Concentrations in milligrams per kilograms (mg/kg)									
ND = Not detected at the laboratory reporting limits									
NA = Not Analyzed									
Boring locations are shown on Figure 1									
Certified Analytical Results are attached									
TPH as Gasoline - Analysis by Northwest Method NWTPH-Gx									
TPH as Diesel and oil - Analysis by Northwest Method NWTPH-Dx (extended) with Acid/Silica Gel Clean-up									
BTEX Compounds - Analysis by EPA Method 8021B									
Total Lead - Analysis by EPA 6000/7000 Series Methods									

ATTACHMENT A
INVESTIGATIVE PROCEDURES

ATTACHMENT A

Exploratory Boring Installation

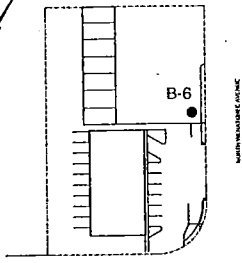
The two soil borings were drilled on April 5, 2001 by Cascade Drilling Inc., of Woodinville, Washington. The borings were drilled using eight-inch diameter hollow-stem auger drilling equipment. The borings were logged by a Delta environmental engineer using the Unified Soil Classification System and standard geologic techniques. Boring logs are presented in Attachment B. Soil samples for logging and chemical analysis were collected at five-foot depth intervals by advancing a 2-inch inside diameter split-spoon sampler into undisturbed soil beyond the tip of the auger. The sampler was driven a maximum of 18 inches using a 140-pound hammer with a 30-inch drop. Soil samples for chemical analysis were retained in laboratory-supplied glass jars with Teflon® lined lids. The samples were placed on ice for transport to the laboratory accompanied by chain-of-custody documentation presented in Attachment C. The split-spoon sampler was cleaned by washing in a detergent solution followed by a clean water rinse and distilled water rinse. All drilling equipment was steam-cleaned between each boring location.

Organic Vapor Screening

Soil samples were screened in the field for ionizable organic compounds using a Perkin Elmer Photovac Model 2020 photo-ionization detector with a 10 eV light source. The test procedure involved collecting a discrete soil sample from the split spoon, and placing it in a resealable bag. The bag was allowed to warm to ambient temperature for approximately twenty minutes, then the bag was pierced and the head-space within the bag was tested for total organic vapor, measured in parts per million, (ppm; volume/volume). The detection limit of the instrument ranges from 0.1 ppm to 2,000 ppm. It should be noted that the PID measurements are considered semi-quantitative data since the instrument detects all organic compounds with ionization potentials less than 10 electron volts (eV).

ATTACHMENT B
BORING LOGS
FIELD DATA SHEETS

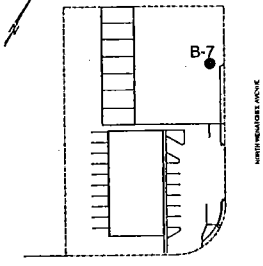
WELL/BORING LOCATION MAP



Delta Environmental Consultants, Inc.		WELL/BORING: B-6
DATE: 4/5/01	DRILLING METHOD: Hollow Stem Auger	
PROJECT: CW97348	SAMPLING METHOD: DM Split Spoon	
CLIENT: Chevron 97348	BORING DIAMETER: 8"	
LOCATION: 502 North Wenatchee Ave.	BORING DEPTH: 20.3'	
CITY: Wenatchee	WELL CASING: NA	
STATE: WA.	WELL SCREEN: NA	
DRILLER: Cascade	SAND PACK: NA	

WELL/BORING COMPLETION	FIRST	STABILIZED	MOISTURE	FIELD TEST PID (ppm)	DENSITY BLOWS / 6"	SAMPLE NUMBER	DEPTH (FEET)	RECOVERY	SAMPLE INTERVAL	USCS SYMBOL	GRAPHIC	CASING ELEVATION:		
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>										SURVEY DATE: 4/5/01		
												DTW:		
DESCRIPTION/LOGGED BY: SHAWN MADISON														
Concrete							1							
Bentonite			DP	0	14 12 7		5	█		SM			SILTY SAND: light brown; 10% fines; very fine to fine sand; medium dense; no odor	
							6	█						
							7							
							8							
				DP	0	10 12 12		10	█		SM			SILTY SAND: light brown; 10% fines; very fine to fine sand; medium dense; no odor
								11	█					
								12						
								13						
								14						
				DP	0	21 60		15	█		SM			SILTY SAND: light brown; 30% fines; very fine to fine sand; medium dense; no odor
								16	█					
								17						
								18						
								19						
						100/3		20	█		SM			No Recovery Refusal @ 20.3'
								21	█					
								22						

WELL/BORING LOCATION MAP



Delta Environmental Consultants, Inc.

WELL/BORING: B-7

DATE: 4/5/01

DRILLING METHOD: Hollow Stem Auger

PROJECT: CW97348

SAMPLING METHOD: DM Split Spoon

CLIENT: Chevron 97348

BORING DIAMETER: 8"

LOCATION: 502 North Wenatchee Ave.

BORING DEPTH: 25.4'

CITY: Wenatchee

WELL CASING: NA

STATE: WA.

WELL SCREEN: NA

DRILLER: Cascade

SAND PACK: NA

WELL/BORING COMPLETION	FIRST	STABILIZED	MOISTURE	FIELD TEST PID (ppm)	DENSITY BLOWS / 6"	SAMPLE NUMBER	DEPTH (FEET)	RECOVERY SAMPLE INTERVAL	USCS SYMBOL	GRAPHIC	CASING ELEVATION:
											SURVEY DATE:
											4/5/01
											DTW:
DESCRIPTION/LOGGED BY: SHAWN MADISON											
Concrete							1				
							2				
							3				
							4				
			DP	0	7 8 9		5		SM		SILTY SAND: light brown; 10% fines; very fine to fine sand; medium dense; no odor
							6				
							7				
							8				
							9				
			DP	0	9 8 8		10		SM		SILTY SAND: light brown; 20% fines; very fine to fine sand; medium dense; no odor
							11				
							12				
							13				
							14				
			DP	0	7 13 17		15		SM		SILTY SAND: light brown; 20% fines; very fine to fine sand; medium dense; no odor
							16				
							17				
							18				
							19				
							20		SM		SILTY SAND: light brown; 20% fines; very fine to fine sand; rock fragments; very dense; no odor
			DP	0	100/3		21				
							22				

WELL/BORING LOCATION MAP 	Delta Environmental Consultants, Inc.		WELL/BORING: B-7
	DATE: 4/5/01	DRILLING METHOD: Hollow Stem Auger	
	PROJECT: CW97348	SAMPLING METHOD: DM Split Spoon	
	CLIENT: Chevron 97348	BORING DIAMETER: 8"	
	LOCATION: 502 North Wenatchee Ave.	BORING DEPTH: 25.4'	
	CITY: Wenatchee	WELL CASING: NA	
	STATE: WA.	WELL SCREEN: NA	
DRILLER: Cascade	SAND PACK: NA		

WELL/BORING COMPLETION	FIRST	STABILIZED	MOISTURE	FIELD TEST PID (ppm)	DENSITY BLOWS / 6"	SAMPLE NUMBER	DEPTH (FEET)	RECOVERY	SAMPLE INTERVAL	USCS SYMBOL	GRAPHIC	CASING ELEVATION:		
												SURVEY DATE: 4/5/01		
DTW:												DESCRIPTION/LOGGED BY: SHAWN MADISON		
Bentonite			DP	0	100/4		23				SM		SILTY SAND: light brown; 20% fines; very fine to fine sand; rock fragments; very dense; no odor	
							24						25	
							26							
							27							
							28							
							29							
							30							
							31							
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							44							

Manifest

TPS Technologies Soil Recycling Non-Hazardous Soils

Manifest #

Date of Shipment:	Responsible for Payment: Generator	Transporter Truck #:	Facility #: A03	Given by TPS: 03384	Load #: 001
-------------------	--	----------------------	---------------------------	-------------------------------	-----------------------

Generator's Name and Billing Address: CHEVRON PRODUCTS CO. P.O. BOX 6004 ROOM V-1144 SAN RAMON, CA 94583-0712 USA	Generator's Phone #:	Generator's US EPA ID No.:
	Person to Contact: BRETT HUNTER	
	FAX#: (925) 843-8695	Customer Account Number with TPS: 1001373

Consultant's Name and Billing Address: DELTA ENVIRONMENTAL 1200 - 112th AVENUE NE SUITE #C146 BELLEVUE, WA 98004 USA	Consultant's Phone #: (425) 450-9425	
	Person to Contact: SHAWN MADISON	
	FAX#: (425) 450-8837	Customer Account Number with TPS: 3DELTEN

Generation Site (Transport from): (name & address) CHEVRON STATION #9-7348 502 N. WENATCHEE AVENUE WENATCHEE, WA 00000 USA	Site Phone #:	BTEX Levels
	Person to Contact:	TPH Levels
	FAX#:	AVG. Levels

Designated Facility (Transport to): (name & address) TPS Technologies Inc. 2800 - 104th Street Court South Lakewood, WA 98499 USA	Facility Phone #: (253) 584-8430	Facility Permit Numbers
	Person to Contact: Renee Avelino	Rica Nelson
	FAX#: (253) 584-8309	

Transporter Name and Mailing Address: ENVIROTECH SYSTEMS 3601 - 121st ST. SW LYNNWOOD, WA 98037 USA	Transporter's Phone #: (800) 922-9395	Transporter's US EPA ID No.:
	Person to Contact: DON HUNT	Transporter's DOT No.:
	FAX#: (425) 513-5839	Customer Account Number with TPS: 3ESYSEM

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand <input type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/>	0 - 10% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 20% - over <input type="checkbox"/>	Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Other <input type="checkbox"/>	4	SOIL Drums	20300	18100	2200
Sand <input type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/>	0 - 10% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 20% - over <input type="checkbox"/>	Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Other <input type="checkbox"/>		NET TONS=	1.10		

List any exception to items listed above:

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.


Print or Type Name: ->	Generator <input type="checkbox"/> Consultant <input type="checkbox"/>	Signature and date:	Month Day Year
----------------------------------	--	---------------------	--------------------

Transporter's certification: I/We acknowledge receipt of the soil described above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that this soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name: Steve A. La France	Signature and date: S. A. La France	Month Day Year 10 10 01
--	---	---

Discrepancies:

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name: R. Avelino/R. Nelson	Signature and date: 
--	---

Generator and/or Consultant

Transporter

Recycling Facility

ATTACHMENT C
LABORATORY ANALYTICAL METHODS AND REPORTS
CHAIN-OF-CUSTODY DOCUMENTATION

ATTACHMENT C

Laboratory Analytical Methods

Analysis for TPH-gasoline was performed according to Northwest Method NWTPH-G. Analysis for TPH-diesel extended was performed according to Northwest method NWTPH-Dx with silica gel cleanup. Benzene, toluene, ethylbenzene, and xylenes analysis was performed in accordance with EPA Method 8021B. A methanol solvent extraction was used for the WTPH-G analysis with final detection by gas chromatography using a flame-ionization detector. A headspace or purge and trap technique was utilized for BTEX analysis. Final detection was by gas chromatography using a photoionization detector. Analysis for total lead was performed according to EPA 6000/7000 Series Methods.



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
 425.420.9200 fax 425.420.9210
 Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 509.924.9200 fax 509.924.9290
 Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 503.906.9200 fax 503.906.9210
 Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 541.383.9310 fax 541.382.7588

Delta Environmental
 1200 112th Ave. NE C146
 Bellevue WA, 98004

Project: Chevron #9-7348
 Project Number: CW97348
 Project Manager: Matt Miller

Reported:
 04/19/01 15:31

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B-6-5	B1D0159-01	Soil	04/05/01 08:10	04/06/01 13:40
B-6-20	B1D0159-04	Soil	04/05/01 08:28	04/06/01 13:40
B-7-5	B1D0159-05	Soil	04/05/01 09:30	04/06/01 13:40
B-7-20	B1D0159-08	Soil	04/05/01 09:48	04/06/01 13:40

North Creek Analytical - Bothell

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

Jeanne Garthwaite
 Jeanne Garthwaite, Project Manager

North Creek Analytical, Inc.
 Environmental Laboratory Network



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Delta Environmental
 1200 112th Ave. NE C146
 Bellevue WA, 98004

Project: Chevron #9-7348
 Project Number: CW97348
 Project Manager: Matt Miller

Reported:
 04/19/01 15:31

Volatile Petroleum Products and BTEX by NWTPH-Gx and EPA 8021B
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-6-5 (B1D0159-01) Soil Sampled: 04/05/01 08:10 Received: 04/06/01 13:40									
Gasoline Range Hydrocarbons	ND	5.00	mg/kg dry	1	1D09012	04/09/01	04/09/01	NWTPH-Gx/8021B	
Benzene	ND	0.0500	"	"	"	"	"	"	
Toluene	ND	0.0500	"	"	"	"	"	"	
Ethylbenzene	ND	0.0500	"	"	"	"	"	"	
Xylenes (total)	ND	0.100	"	"	"	"	"	"	
Surrogate: 4-BFB (FID)	86.2 %	50-150			"	"	"	"	
Surrogate: 4-BFB (PID)	81.9 %	50-150			"	"	"	"	
B-6-20 (B1D0159-04) Soil Sampled: 04/05/01 08:28 Received: 04/06/01 13:40									
Gasoline Range Hydrocarbons	ND	5.00	mg/kg dry	1	1D09012	04/09/01	04/09/01	NWTPH-Gx/8021B	
Benzene	ND	0.0500	"	"	"	"	"	"	
Toluene	ND	0.0500	"	"	"	"	"	"	
Ethylbenzene	ND	0.0500	"	"	"	"	"	"	
Xylenes (total)	ND	0.100	"	"	"	"	"	"	
Surrogate: 4-BFB (FID)	83.8 %	50-150			"	"	"	"	
Surrogate: 4-BFB (PID)	85.0 %	50-150			"	"	"	"	
B-7-5 (B1D0159-05) Soil Sampled: 04/05/01 09:30 Received: 04/06/01 13:40									
Gasoline Range Hydrocarbons	ND	5.00	mg/kg dry	1	1D09012	04/09/01	04/09/01	NWTPH-Gx/8021B	
Benzene	ND	0.0500	"	"	"	"	"	"	
Toluene	ND	0.0500	"	"	"	"	"	"	
Ethylbenzene	ND	0.0500	"	"	"	"	"	"	
Xylenes (total)	ND	0.100	"	"	"	"	"	"	
Surrogate: 4-BFB (FID)	82.2 %	50-150			"	"	"	"	
Surrogate: 4-BFB (PID)	85.9 %	50-150			"	"	"	"	

North Creek Analytical - Bothell

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

JMG
 Jeanne Garthwaite, Project Manager

North Creek Analytical, Inc.
 Environmental Laboratory Network



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
Reported:
 04/19/01 15:31

Volatile Petroleum Products and BTEX by NWTPH-Gx and EPA 8021B
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-7-20 (BID0159-08) Soil Sampled: 04/05/01 09:48 Received: 04/06/01 13:40									
Gasoline Range Hydrocarbons	ND	5.00	mg/kg dry	1	1D09012	04/09/01	04/09/01	NWTPH-Gx/8021B	
Benzene	ND	0.0500	"	"	"	"	"	"	
Toluene	ND	0.0500	"	"	"	"	"	"	
Ethylbenzene	ND	0.0500	"	"	"	"	"	"	
Xylenes (total)	ND	0.100	"	"	"	"	"	"	
Surrogate: 4-BFB (FID)	81.6%	50-150			"	"	"	"	
Surrogate: 4-BFB (PID)	86.6%	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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 541.383.9310 fax 541.382.7588

Delta Environmental
 1200 112th Ave. NE C146
 Bellevue WA, 98004

Project: Chevron #9-7348
 Project Number: CW97348
 Project Manager: Matt Miller

Reported:
 04/19/01 15:31

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-6-5 (B1D0159-01) Soil Sampled: 04/05/01 08:10 Received: 04/06/01 13:40									
Diesel Range Hydrocarbons	ND	10.0	mg/kg dry	1	1D11009	04/11/01	04/12/01	NWTPH-Dx SG	
Lube Oil Range Hydrocarbons	ND	25.0	"	"	"	"	"	"	"
Surrogate: 2-FBP	80.6 %	50-150			"	"	"	"	"
Surrogate: Octacosane	83.1 %	50-150			"	"	"	"	"
B-6-20 (B1D0159-04) Soil Sampled: 04/05/01 08:28 Received: 04/06/01 13:40									
Diesel Range Hydrocarbons	ND	10.0	mg/kg dry	1	1D11009	04/11/01	04/12/01	NWTPH-Dx SG	
Lube Oil Range Hydrocarbons	ND	25.0	"	"	"	"	"	"	"
Surrogate: 2-FBP	75.7 %	50-150			"	"	"	"	"
Surrogate: Octacosane	75.7 %	50-150			"	"	"	"	"
B-7-5 (B1D0159-05) Soil Sampled: 04/05/01 09:30 Received: 04/06/01 13:40									
Diesel Range Hydrocarbons	ND	10.0	mg/kg dry	1	1D11009	04/11/01	04/12/01	NWTPH-Dx SG	
Lube Oil Range Hydrocarbons	ND	25.0	"	"	"	"	"	"	"
Surrogate: 2-FBP	71.8 %	50-150			"	"	"	"	"
Surrogate: Octacosane	75.4 %	50-150			"	"	"	"	"
B-7-20 (B1D0159-08) Soil Sampled: 04/05/01 09:48 Received: 04/06/01 13:40									
Diesel Range Hydrocarbons	ND	10.0	mg/kg dry	1	1D11009	04/11/01	04/13/01	NWTPH-Dx SG	
Lube Oil Range Hydrocarbons	ND	25.0	"	"	"	"	"	"	"
Surrogate: 2-FBP	73.7 %	50-150			"	"	"	"	"
Surrogate: Octacosane	72.6 %	50-150			"	"	"	"	"

North Creek Analytical - Bothell

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JMG
 Jeanne Garthwaite, Project Manager

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 Environmental Laboratory Network



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Delta Environmental 1200 112th Ave. NE C146 Bellevue WA, 98004	Project: Chevron #9-7348 Project Number: CW97348 Project Manager: Matt Miller	Reported: 04/19/01 15:31
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**Total Metals by EPA 6000/7000 Series Methods
 North Creek Analytical - Bothell**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-7-20 (B1D0159-08) Soil Sampled: 04/05/01 09:48 Received: 04/06/01 13:40									
Lead	4.33	0.333	mg/kg dry	1	1D10041	04/10/01	04/11/01	EPA 6020	

North Creek Analytical - Bothell

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Delta Environmental
 1200 112th Ave. NE C146
 Bellevue WA, 98004

Project: Chevron #9-7348
 Project Number: CW97348
 Project Manager: Matt Miller

Reported:
 04/19/01 15:31

Volatile Petroleum Products and BTEX by NWTPH-Gx and EPA 8021B - Quality Control
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1D09012: Prepared 04/09/01 Using EPA 5030B (MeOH)

Blank (1D09012-BLK1)

Gasoline Range Hydrocarbons	ND	5.00	mg/kg wet							
Benzene	ND	0.0500	"							
Toluene	ND	0.0500	"							
Ethylbenzene	ND	0.0500	"							
Xylenes (total)	ND	0.100	"							
Surrogate: 4-BFB (FID)	3.68		"	4.00		92.0	50-150			
Surrogate: 4-BFB (PID)	3.47		"	4.00		86.8	50-150			

LCS (1D09012-BS1)

Gasoline Range Hydrocarbons	24.3	5.00	mg/kg wet	25.0		97.2	70-130			
Surrogate: 4-BFB (FID)	3.86		"	4.00		96.5	50-150			

Duplicate (1D09012-DUP1)

Source: B1D0159-01

Gasoline Range Hydrocarbons	ND	5.00	mg/kg dry		ND			6.95	50	
Surrogate: 4-BFB (FID)	3.51		"	4.64		75.6	50-150			

Duplicate (1D09012-DUP2)

Source: B1D0160-03

Gasoline Range Hydrocarbons	ND	5.00	mg/kg dry		ND			13.2	50	
Surrogate: 4-BFB (FID)	4.20		"	5.54		75.8	50-150			

Matrix Spike (1D09012-MS1)

Source: B1C0736-14

Benzene	0.676	0.0500	mg/kg dry	0.785	ND	85.0	60-140			
Toluene	0.675	0.0500	"	0.785	ND	82.3	60-140			
Ethylbenzene	0.686	0.0500	"	0.785	ND	86.3	60-140			
Xylenes (total)	2.04	0.100	"	2.36	ND	85.3	60-140			
Surrogate: 4-BFB (PID)	4.83		"	6.28		76.9	50-150			

Matrix Spike Dup (1D09012-MSD1)

Source: B1C0736-14

Benzene	0.654	0.0500	mg/kg dry	0.785	ND	82.2	60-140	3.31	20	
Toluene	0.655	0.0500	"	0.785	ND	79.8	60-140	3.01	20	
Ethylbenzene	0.671	0.0500	"	0.785	ND	84.4	60-140	2.21	20	
Xylenes (total)	1.96	0.100	"	2.36	ND	81.9	60-140	4.00	20	
Surrogate: 4-BFB (PID)	4.64		"	6.28		73.9	50-150			

North Creek Analytical - Bothell

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JMG
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Delta Environmental
 1200 112th Ave. NE C146
 Bellevue WA, 98004

Project: Chevron #9-7348
 Project Number: CW97348
 Project Manager: Matt Miller

Reported:
 04/19/01 15:31

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1D11009: Prepared 04/11/01 Using EPA 3550B										
Blank (1D11009-BLK1)										
Diesel Range Hydrocarbons	ND	10.0	mg/kg wet							
Lube Oil Range Hydrocarbons	ND	25.0	"							
Surrogate: 2-FBP	9.00		"	10.7		84.1	50-150			
Surrogate: Octacosane	8.80		"	10.7		82.2	50-150			
LCS (1D11009-BS1)										
Diesel Range Hydrocarbons	55.7	10.0	mg/kg wet	66.7		83.5	50-150			
Surrogate: 2-FBP	8.54		"	10.7		79.8	50-150			
Source: B1D0159-01										
Duplicate (1D11009-DUP1)										
Diesel Range Hydrocarbons	ND	10.0	mg/kg dry		ND				50	
Lube Oil Range Hydrocarbons	ND	25.0	"		ND				50	
Surrogate: 2-FBP	10.2		"	12.4		82.3	50-150			
Surrogate: Octacosane	9.71		"	12.4		78.3	50-150			

North Creek Analytical - Bothell

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JmG
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Delta Environmental
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 Bellevue WA, 98004

Project: Chevron #9-7348
 Project Number: CW97348
 Project Manager: Matt Miller


Reported:
 04/19/01 15:31

Total Metals by EPA 6000/7000 Series Methods - Quality Control
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1D10041: Prepared 04/10/01 Using EPA 3050B										
Blank (1D10041-BLK1)										
Lead	ND	0.500	mg/kg wet							
LCS (1D10041-BS1)										
Lead	26.0	0.500	mg/kg wet	25.0		104	80-120			
Matrix Spike (1D10041-MS1)										
Lead	23.4	0.340	mg/kg dry	18.4	4.33	104	70-130			
Matrix Spike Dup (1D10041-MSD1)										
Lead	23.4	0.347	mg/kg dry	18.8	4.33	101	70-130	0.00	20	

North Creek Analytical - Bothell

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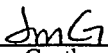
Delta Environmental 1200 112th Ave. NE C146 Bellevue WA, 98004	Project: Chevron #9-7348 Project Number: CW97348 Project Manager: Matt Miller	Reported: 04/19/01 15:31
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Physical Parameters by APHA/ASTM/EPA Methods - Quality Control
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1D09006: Prepared 04/09/01 Using Dry Weight										
Blank (1D09006-BLK1)										
Dry Weight	100	1.00	%							

North Creek Analytical - Bothell

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Delta Environmental
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 Bellevue WA, 98004

Project: Chevron #9-7348
 Project Number: CW97348
 Project Manager: Matt Miller


Reported:
 04/19/01 15:31

Notes and Definitions

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

North Creek Analytical - Bothell

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North Creek Analytical, Inc.
 Environmental Laboratory Network



N-RTH CREEK ANALYTICAL
Environmental Laboratory Services

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CHEVRON U.S.A., Inc. CHAIN OF CUSTODY REPORT 6100159

CHEVRON INFORMATION

CHEVRON Facility #: **9-7340**

Facility Address: **502 N Wenatchee Ave**

City, State, ZIP: **Wenatchee WA**

CHEVRON Contact Name: **Brett Hunter**

CHEVRON Telephone #: _____

Laboratory Release #: _____

CONSULTANT INFORMATION

Name: **Delta Env.** Consultant Project #: **CW97340**

Address: **1200 112th Ave NE C-146**
Bellevue WA

Phone: **425-450-9425** Fax: **425-450-8857**

Project Manager: **MATT MILLER** Consultant Project #: _____

Sample Collection by: **SARAH M. AIRBILL** Airbill #: _____

Turnaround Times

Standard Analyses (DAYS) 10

RUSH Analyses (HOURS) 24 48

RUSH Analyses (DAYS) 5

SAMPLE IDENTIFICATION	SAMPLING DATE / TIME	MATRIX (W,S,O,A)	# OF CONTAINERS
1. B-6-5	4/6/01 8:00	S	2
2. B-6-10	8:15		2
3. B-6-15	8:20		2
4. B-6-20	8:28		2
5. B-7-5	9:30		2
6. B-7-10	9:35		2
7. B-7-15	9:40		2
8. B-7-20	9:48	↓	1
9. B-7-25	10:00	↓	1
10. Stock Pile			0

	O Oregon	O Washington	O Alaska	O Other	Hydrocarbon Methods	NCA Sample Number
TPH-HClD						
TPH-Gas						
BTEX (EPA 8020 Mod.)						
TPH-Gas + BTEX	X					
TPH-Diesel						
TPH-Diesel Extended (EPA 418.1)		X				
Halogen Volatiles (EPA 8010)						
Aromatic Volatiles (EPA 8020)						
Pesticides/CBs or PCBs Only						
GC/MS Volatiles (EPA 8240/8260)						
GC/MS Semi-Volatiles (EPA 8270)						
PAHs by HPLC (EPA 8310)						
Lead (EPA 8210)						
Total or Dissolved (EPA 8310)						
TCF Metals (8)						

Relinquished by: **Steve Anderson** Date: **4-6-01** Firm: **Bellco**

Received by: **S. Gallarraga** Date & Time: **4-6-01 13:40** Firm: **NCA**

1. **Bella** NCA 4-6-01 13:40

2. **Bella** NCA 4-6-01 13:40

3. _____

REPORTS: Level 1 Level 2

REPORTS: Level 1 Level 2

SAMPLE PRESERVATION (iced) Yes No

Yes **No**

Fax Copy of Lab Report & COC to CHEVRON:

REMARKS

B100159-01

02

03

04

05

06

07

08

09

10