CAMBRIA

November 8, 2006

Mr. Bill Janes
Alaska Department of Environmental Conservation
410 Willoughby Avenue, Suite 105
Juneau, Alaska 99801-1780

Re: **Second Semi-Annual 2006 Groundwater Monitoring Report**
Delta Western/Former Chevron Bulk Terminal #100-1467
1417 Peninsula Street
Wrangell, Alaska
ADEC No. 1994130128401
Cambria Project No. 31J-2235

Dear Mr. Janes:

Cambria Environmental Technology (Cambria) is submitting this *Second Semi-Annual 2006 Groundwater Monitoring Report* to the Alaska Department of Environmental Conservation (ADEC) on behalf of Chevron Environmental Management Company (Chevron). Cambria prepared this report summarizing the groundwater monitoring and sampling activities during September 2006 at Delta Western/Former Chevron Bulk Terminal #100-1467 in Wrangell, Alaska.

SITE BACKGROUND

Site Description: This site is an operating Delta Western Terminal located at 1417 Peninsula Street in Wrangell, Alaska (Figure 1). The site was developed as a fuel storage facility by Chevron in the late 1930's and is currently operated by Delta Western. Site facilities have not significantly changed since the original construction. The facilities include eight above-ground storage tanks (ASTs) that contain aviation gasoline, jet fuel, unleaded gasoline, supreme gasoline, diesel, and pre-mix gasoline. There is one underground storage tank (UST), which holds heating fuel for the site's shower house. Other site facilities include a fuel loading rack, pump house, a marine fueling dock servicing the Wrangell Harbor, several covered and uncovered drum storage areas, an office, and warehouse buildings (Figure 2).

SECOND SEMI-ANNUAL 2006 ACTIVITIES

Field Activities: Cambria personnel conducted groundwater monitoring activities on monitoring wells MW-1, MW-2, and MW-4 through MW-9 and collected groundwater samples from monitoring wells MW-2, MW-4, MW-5, MW-6, and groundwater seeps SEEP-1 and SEEP-2 on September 25, 2006. Each well was opened and the well cap removed to allow groundwater levels to stabilize. All monitoring wells sampled were purged at a flow rate of approximately 0.1 to 0.5 Liters per minute (L/min) until groundwater parameters (temperature, pH, specific conductance, oxidation reduction

Cambria Environmental Technology, Inc.

2828 N. Speer Blvd.
Suite 140
Denver, CO 80211
Tel (303) 433-3650
Fax (303) 433-3974

potential (redox), dissolved oxygen, and turbidity) stabilized to within 10% for three consecutive readings. Groundwater samples, including a duplicate sample, were collected into clean containers supplied by the analytical laboratory directly from the output. The samples were submitted under chain-of-custody to Test America Analytical Testing Corporation, Seattle. The groundwater analytical results are summarized in Tables 1, 2, 3, and 4. A copy of the laboratory analytical report is presented as Attachment A. Cambria's well sampling forms are presented as Attachment B. Cambria's standard procedures for low flow groundwater monitoring and sampling is presented as Attachment C. Historical groundwater analytical results are presented as Attachment D. The ADEC Laboratory checklist and QA Summary is presented as Attachment E.

Groundwater Analytical Methods: Groundwater samples from select wells were analyzed for one or more of the following analyses:

- Gasoline Range Organics (GRO) by Alaska Method 101,
- Benzene, Toluene, Ethyl-benzene, and Xylenes, (BTEX) by Environmental Protection Agency (EPA) Method 8021B,
- Diesel Range Organics (DRO) by Alaska Method 102,
- Residual Range Organics (RRO) by Alaska Method 103,
- Volatile Organic Compounds (VOCs) by EPA Method 8260 and
- Semi-volatile Organic Compounds (SVOCs) by EPA Method 8270.

Hydrogeology: The site is located on Wrangell Island in southeastern Alaska, along the shore of the Zimovia Strait. Historical static groundwater levels have ranged between approximately 0.65 and 5.83 feet (ft) below ground surface (bgs) according to groundwater data from 2001 to present. Static groundwater levels ranged from approximately 0.10 (MW-4) to 4.935 ft bgs (MW-5) on September 25, 2006 with a groundwater flow direction to the southwest with a gradient of approximately 0.082 ft/ft (Figure 2).

Groundwater Sampling Results: No DRO, RRO, or SVOC concentrations were detected above laboratory detection limits in any analyzed groundwater sample collected. All detected GRO and BTEX concentrations in groundwater were below ADEC Table C cleanup levels. Total aromatic hydrocarbon (TAH) and total aqueous hydrocarbon (TAqH) concentrations in groundwater were above the ADEC water criteria standards in groundwater samples collected from MW-6. Groundwater samples collected from well MW-6 contained 43.88 µg/L TAH and TAqH. Groundwater analytical data is listed in Tables 1, 2, 3, and 4.

2007 PLANNED ACTIVITIES

Cambria will continue semi-annual monitoring and sampling during 2007 and evaluate site groundwater conditions.

CLOSING

We appreciate the opportunity to work with Chevron and the ADEC on this project. Please call John Riggi at (303) 433-3923 if you have any questions.

Sincerely,
Cambria Environmental Technology, Inc.

Nicholas M. Greco
Staff Geologist

John Riggi, P.G
Senior Project Geologist
Alaska Qualified Person

Figures: 1 – Vicinity Map
2 – Groundwater Elevation Contour Map

Table: 1 – Groundwater Analytical Results
2 – Groundwater Analytical Results (PAHs)
3 – Groundwater Analytical Results (VOCs)
4 – Groundwater Analytical Results (SVOCs)

Attachments: A – Test America Analytical Report
B – Well Sampling Forms
C – Standard Procedures for Low Flow Groundwater Monitoring and Sampling
D – Historical Groundwater Analytical Results
E – ADEC Laboratory Checklist and QA Summary

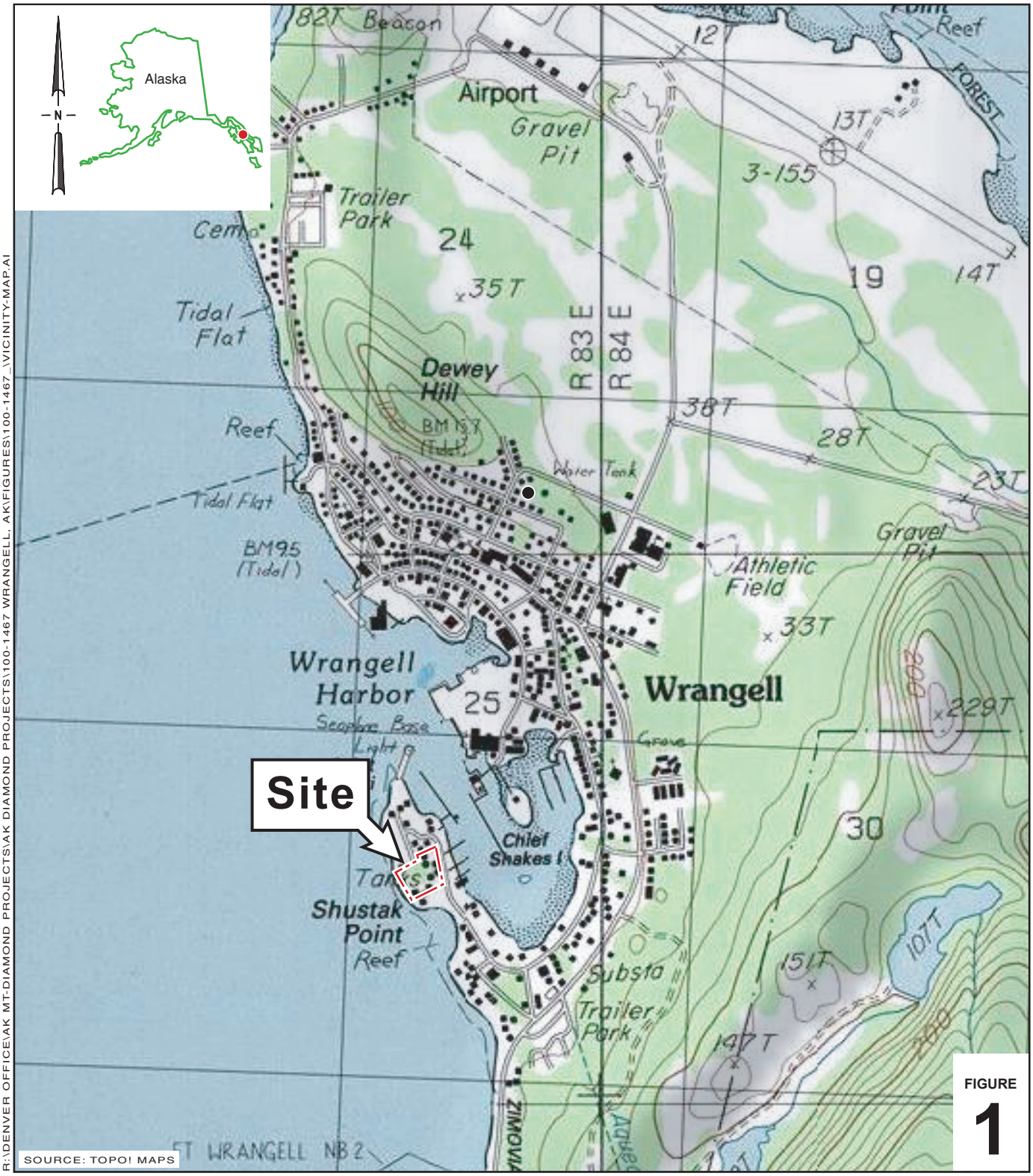
cc: Stacie Hartung-Frerichs, Chevron Environmental Management Company,
6001 Bollinger Canyon Road, Room K2200, San Ramon, California 94583-2324

Ms. Bev Niemann, Delta Western
2700 West Commodore Way, Seattle, Washington 98199

Cambria Environmental Technology, Inc.

R:\Denver Office\Alaska MT-Diamond Projects\Alaska Diamond Projects\100-1467 Wrangell, AK\Groundwater Monitoring\2006\1st Semi-annual GW Monitoring Report\100-1467 1SA06 MR - Final.doc

04/07/06



SOURCE: TOPO! MAPS

R:\DENVER OFFICE\AK MT-DIAMOND PROJECTS\100-1467 WRANGELL, AK\FIGURES\100-1467_VICINITY-MAP.AI

FIGURE 1

0 1/8 1/4 1/2 1

SCALE : 1" = 1/4 MILE

Delta Western / Former Chevron Bulk Terminal 100-1467

1417 Peninsula Drive

Wrangell, Alaska

CAMBRIA

Vicinity Map

11/03/06

Groundwater Elevation Contour Map

September 25, 2006

EXPLANATION

- MW-1 — Monitoring well location
- Destroyed well location
- 0.082 — Groundwater flow direction and gradient
- XX.XX — Groundwater elevation contour, in feet above mean sea level (msl), dashed where inferred
- Well ID / ELEV — Well designation; Groundwater elevation (msl)
- * — Groundwater elevation anomalous, not used for contouring

ZIMOVIA STRAIT

WRANGELL HARBOR

Residential Housing

Residential Housing

Wrangell Oil Tank Farm

Concrete Retaining Wall

SSBG

SS5

SS4

SS6

SS1

SS3

SS2

275 gallon Above ground heating oil tank

Truck Trailer Loading Rack (TTLR)

Wrangell Oil Offices and Warehouse

Fuel Pipelines

Wrangell Oil Fuel Dock

MW-9 35.44*

MW-8 40.22

Delta Western Former Chevron Bulk Terminal

garage

TANK #10

TANK #1

TANK #2

TANK #9

TANK #3

TANK #4

TANK #5

Conc. Retaining Wall

centerline top of dike

1-1/2" water line

TTLR

Platform

Warehouse

Offices

Garage

Warehouse

Fuel Pipelines

Delta Western

Fisherman's Dock

Delta Western Fuel Dock

PIPE CROSSING

Storage Area

Pump House

Covered Storage

Shower House

550 gallon heating oil UST

former Company Cottage

Parking Area

Dispenser hose and piping to dock

3000 gallon AST 50%gasoline pre-mix tank

Boat Dock

Building

Boat Repair House and Dock

Approximate Shoreline

Building

39.0

36.0

33.0

30.0

27.0

24.0

MW-6 33.25

MW-7 32.32

MW-1 35.06

MW-2 32.28

MW-4 28.70

MW-5 21.54

Wood shed

shed

shed

deck

Elmer Mork House

concrete walk

carport

Dave Mork House

Oil Tank

SEEP-2

SEEP-1

0.082

Former Rental House

MH

driveway

carport

CONNEX

Dave Hartung Float House

carport

Warehouse

Warehouse

Parking

sidewalk

PENINSULA STREET

N

0 30 60 120

Scale (ft)

Basemap modified from drawing provided by SECOR

FIGURE

2

Delta Werstern / Former Chevron Bulk Terminal 100-1467

1417 Peninsula Drive

Wrangell, Alaska

CAMBRIA

R:\DENVER OFFICE\AK MT- DIAMOND PROJECTS\AK DIAMOND PROJECTS\100-1467 WRANGELL, AK\FIGURES\100-1467_3Q06-GW.DWG

Table 1. **Groundwater Analytical Results** - Delta Western/Former Chevron Bulk Terminal #100-1467, 1417 Peninsula Street, Wrangell, Alaska

Well	Date	TOC	DTW	GWE	GRO	DRO	RRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TAH	TAqH
					(µg/L)								
MW-1	9/30/05	38.51	3.61	34.90	<50.0	<394	--	<0.200	<0.500	<0.500	<1.50	0	--
MW-1	6/29/06	38.51	3.87	34.64	--	--	--	--	--	--	--	--	--
MW-1	9/25/06	38.51	3.45	35.06	--	--	--	--	--	--	--	--	--
MW-2	9/30/05	*UNABLE TO LOCATE*											
MW-2	6/29/06	33.36	1.67	31.69	<50.0	608	708	0.954	<0.500	<0.500	<1.00	0.954	--
MW-2	9/25/06	33.36	1.08	32.28	<80.0	<385	<462	**0.902**	<0.500	<0.500	<1.00	**0.902**	--
MW-3	*WELL DESTROYED 8/10/04*												
MW-4	9/30/05	28.80	1.33	27.47	<50.0	1,110	--	0.657	<0.500	<0.500	<1.50	0.66	2.02
MW-4	6/29/06	28.80	0.65	28.15	--	742	--	--	--	--	--	--	--
MW-4	9/25/06	28.80	0.10	28.70	--	<385	<462	--	--	--	--	--	--
MW-5	9/30/05	26.47	5.31	21.16	<50.0	<391	--	<0.200	<0.500	<0.500	<1.50	ND	0.102
MW-5	6/29/06	26.47	5.32	21.15	--	--	--	<0.200	<0.500	<0.500	<1.00	ND	--
MW-5	9/25/06	26.47	4.93	21.54	--	--	--	<0.500	<0.500	<0.500	<1.00	ND	--
MW-6	9/30/05	37.10	3.66	33.44	241	521	<400	<0.500	82.9	0.660	2.93	86.49	--
MW-6-DUP	9/30/05	37.10	3.66	33.44	241	577	<400	<0.500	82.9	0.630	2.81	86.34	--
MW-6	6/29/06	37.10	3.69	33.41	98.1	255	<750	<0.200	23.5	0.673	3.20	27.37	27.37
MW-6-DUP	6/29/06	37.10	3.69	33.41	739	284	<750	<0.200	232	1.58	2.89	236.47	236.47
MW-6	9/25/06	37.10	3.85	33.25	**103**	<385	<462	<0.500	**41.1**	**0.514**	**2.27**	**43.88**	--
MW-6-DUP	9/25/06	37.10	3.85	33.25	**88.7**	<385	<462	<0.500	**33.3**	**0.575**	**2.92**	**36.80**	--
MW-7	9/30/05	35.90	4.20	31.70	--	--	--	--	--	--	--	--	--
MW-7	6/29/06	35.90	3.39	32.51	--	--	--	--	--	--	--	--	--
MW-7	9/25/06	35.90	3.58	32.32									
MW-8	9/30/05	43.16	4.27	38.89	--	--	--	--	--	--	--	--	--
MW-8	6/29/06	43.16	7.05	36.11	--	--	--	--	--	--	--	--	--
MW-8	9/25/06	43.16	2.94	40.22									
MW-9	9/30/05	39.46	2.91	36.55	--	--	--	--	--	--	--	--	--
MW-9	6/29/06	39.46	3.05	36.41	--	--	--	--	--	--	--	--	--
MW-9	9/25/06	39.46	4.02	35.44									
ADEC Cleanup Levels**					**1300**	**1500**	**1100**	**5**	**1000**	**700**	**10000**		
ADEC Water Quality Standards***												**10**	**15**

Table 1. **Groundwater Analytical Results** - Delta Western/Former Chevron Bulk Terminal #100-1467, 1417 Peninsula Street, Wrangell, Alaska

Well	Date	TOC	DTW	GWE	GRO	DRO	RRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TAH	TAqH
					←				(µg/L)				→
SEEP-1	9/30/05	--	--	--	<50.0	<397	--	<0.500	<0.500	<0.500	<1.50	ND	--
SEEP-1	6/29/06	--	--	--	--	--	--	<0.200	<0.500	<0.500	<1.00	ND	ND
SEEP-1	9/25/06	--	--	--	--	--	--	<0.500	<0.500	<0.500	<1.00	ND	ND
SEEP-2	9/30/05	--	--	--	<50.0	<397	--	<0.500	<0.500	<0.500	<1.50	ND	--
SEEP-2	6/29/06	--	--	--	--	--	--	<0.200	<0.500	<0.500	<1.00	ND	ND
SEEP-2	9/25/06	--	--	--	--	--	--	<0.500	<0.500	<0.500	<1.00	ND	ND
ADEC Cleanup Levels**					**1300**	**1500**	**1100**	**5**	**1000**	**700**	**10000**		
ADEC Water Quality Standards***												**10**	**15**

Notes and Abbreviations:
TOC = Top of Casing
DTW = Depth to Water
GWE = Groundwater Elevation
µg/L = Micrograms per Liter
<x = Not detected above x micrograms per liter
ND = Not Detected
GRO = Gasoline Range Organics by method AK 101
DRO = Diesel Range Organics by method AK 102
RRO = Residual Range Organics by AK 103
TAH = Total Aromatic Hydrocarbons (totaled concentrations of benzene, toluene, ethyl-benzene, and total xylenes) by EPA Method 8021B
TAqH = Total Aqueous Hydrocarbons (totaled concentrations of TAH and total PAHs from Table 2) by EPA Method 8270C
-- = Not Measured/Not Analyzed
** = Levels established in ADEC Groundwater Cleanup Levels, Table C (ADEC, 18 AAC 75.345)

Table 2. **Groundwater Analytical Results (PAHs)** - Delta Western/Former Chevron Bulk Terminal #100-1467, 1417 Peninsula Street, Wrangell, Alaska

Well ID	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-6-DUP	MW-7	MW-8	MW-9	SEEP-1	SEEP-2
Date	9/25/06	9/25/06	9/25/06	9/25/06	9/25/06	9/25/06	9/25/06	9/25/06	9/25/06	9/25/06	9/25/06	9/25/06
	← (µg/L) →											
Acenaphthene	--	--	--	--	--	--	--	--	--	--	<0.0943	<0.0952
Acenaphthylene	--	--	--	--	--	--	--	--	--	--	<0.0943	<0.0952
Anthracene	--	--	--	--	--	--	--	--	--	--	<0.0943	<0.0952
Benzo (a) anthracene	--	--	--	--	--	--	--	--	--	--	<0.0943	<0.0952
Benzo (a) pyrene	--	--	--	--	--	--	--	--	--	--	<0.0943	<0.0952
Benzo (b) fluoranthene	--	--	--	--	--	--	--	--	--	--	<0.0943	<0.0952
Benzo (k) fluoranthene	--	--	--	--	--	--	--	--	--	--	<0.0943	<0.0952
Benzo (ghi) perylene	--	--	--	--	--	--	--	--	--	--	<0.0943	<0.0952
Chrysene	--	--	--	--	--	--	--	--	--	--	<0.0943	<0.0952
Dibenz (a,h) anthracene	--	--	--	--	--	--	--	--	--	--	<0.189	<0.190
Fluoranthene	--	--	--	--	--	--	--	--	--	--	<0.0943	<0.0952
Fluorene	--	--	--	--	--	--	--	--	--	--	<0.0943	<0.0952
Indeno (1,2,3-cd) pyrene	--	--	--	--	--	--	--	--	--	--	<0.0943	<0.0952
1-Methylnaphthalene	--	--	--	--	--	--	--	--	--	--	<0.0943	<0.0952
Naphthalene	--	--	--	--	--	--	--	--	--	--	<0.0943	<0.0952
Phenanthrene	--	--	--	--	--	--	--	--	--	--	<0.0943	<0.0952
Pyrene	--	--	--	--	--	--	--	--	--	--	<0.0943	<0.0952

Notes and Abbreviations:

PAHs = Polynuclear Aromatic Hydrocarbons

µg/L = micrograms per liter

<x = Not detected above x micrograms per liter

-- = Not Measured/Not Analyzed

** = Levels established in Groundwater Cleanup Levels Table C (ADEC, 18 AAC 75.345)

Polynuclear Aromatic Hydrocarbons (PAHs) analyzed by EPA Method 8270C

Table 3. **Groundwater Analytical Results (VOCs)** - Delta Western/Former Chevron Bulk Terminal #100-1467, 1417 Peninsula Street, Wrangell, Alaska

Well ID	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-6-DUP	MW-7	MW-8	MW-9	SEEP-1	SEEP-2
Date	9/25/06	9/25/06	9/25/06	9/25/06	9/25/06	9/25/06	9/25/06	9/25/06	9/25/06	9/25/06	9/25/06	9/25/06
	← (µg/L) →											
Acetone	--	--	--	--	--	ND	ND	--	--	--	--	--
Benzene	--	--	--	--	--	ND	ND	--	--	--	--	--
Bromobenzene	--	--	--	--	--	ND	ND	--	--	--	--	--
Bromochloromethane	--	--	--	--	--	ND	ND	--	--	--	--	--
Bromodichloromethane	--	--	--	--	--	ND	ND	--	--	--	--	--
Bromoform	--	--	--	--	--	ND	ND	--	--	--	--	--
Bromomethane	--	--	--	--	--	ND	ND	--	--	--	--	--
2-Butanone	--	--	--	--	--	ND	ND	--	--	--	--	--
n-Butylbenzene	--	--	--	--	--	ND	ND	--	--	--	--	--
sec-Butylbenzene	--	--	--	--	--	ND	ND	--	--	--	--	--
tert-Butylbenzene	--	--	--	--	--	ND	ND	--	--	--	--	--
Carbon disulfide	--	--	--	--	--	ND	ND	--	--	--	--	--
Carbon tetrachloride	--	--	--	--	--	ND	ND	--	--	--	--	--
Chlorobenzene	--	--	--	--	--	ND	ND	--	--	--	--	--
Chloroethane	--	--	--	--	--	ND	ND	--	--	--	--	--
1-Chlorohexane	--	--	--	--	--	ND	ND	--	--	--	--	--
Chloroform	--	--	--	--	--	ND	ND	--	--	--	--	--
Chloromethane	--	--	--	--	--	ND	ND	--	--	--	--	--
2-Chlorotoluene	--	--	--	--	--	ND	ND	--	--	--	--	--
4-Chlorotoluene	--	--	--	--	--	ND	ND	--	--	--	--	--
Dibromochloromethane	--	--	--	--	--	ND	ND	--	--	--	--	--
1,2-Dibromo-3-chloropropane	--	--	--	--	--	ND	ND	--	--	--	--	--
1,2-Dibromoethane	--	--	--	--	--	ND	ND	--	--	--	--	--
Dibromomethane	--	--	--	--	--	ND	ND	--	--	--	--	--
1,2-Dichlorobenzene	--	--	--	--	--	ND	ND	--	--	--	--	--
1,3-Dichlorobenzene	--	--	--	--	--	ND	ND	--	--	--	--	--
1,4-Dichlorobenzene	--	--	--	--	--	ND	ND	--	--	--	--	--
Dichlorodifluoromethane	--	--	--	--	--	ND	ND	--	--	--	--	--
1,1-Dichloroethane	--	--	--	--	--	ND	ND	--	--	--	--	--
1,2-Dichloroethane	--	--	--	--	--	ND	ND	--	--	--	--	--
1,1-Dichloroethene	--	--	--	--	--	ND	ND	--	--	--	--	--
cis-1,2-Dichloroethene	--	--	--	--	--	ND	ND	--	--	--	--	--
trans-1,2-Dichloroethene	--	--	--	--	--	ND	ND	--	--	--	--	--
1,2-Dichloropropane	--	--	--	--	--	ND	ND	--	--	--	--	--
1,3-Dichloropropane	--	--	--	--	--	ND	ND	--	--	--	--	--
2,2-Dichloropropane	--	--	--	--	--	ND	ND	--	--	--	--	--
1,1-Dichloropropene	--	--	--	--	--	ND	ND	--	--	--	--	--
cis-1,3-Dichloropropene	--	--	--	--	--	ND	ND	--	--	--	--	--
trans-1,3-Dichloropropene	--	--	--	--	--	ND	ND	--	--	--	--	--
Ethylbenzene	--	--	--	--	--	ND	ND	--	--	--	--	--
Hexachlorobutadiene	--	--	--	--	--	ND	ND	--	--	--	--	--
Methyl tert-butyl ether	--	--	--	--	--	ND	ND	--	--	--	--	--
n-Hexane	--	--	--	--	--	ND	ND	--	--	--	--	--
2-Hexanone	--	--	--	--	--	ND	ND	--	--	--	--	--
Isopropylbenzene	--	--	--	--	--	ND	ND	--	--	--	--	--
p-Isopropyltoluene	--	--	--	--	--	**2.18**	**2.20**	--	--	--	--	--
4-Methyl-2-pentanone	--	--	--	--	--	ND	ND	--	--	--	--	--
Methylene chloride	--	--	--	--	--	ND	ND	--	--	--	--	--
Naphthalene	--	--	--	--	--	ND	ND	--	--	--	--	--
n-Propylbenzene	--	--	--	--	--	ND	ND	--	--	--	--	--
Styrene	--	--	--	--	--	ND	ND	--	--	--	--	--
1,2,3-Trichlorobenzene	--	--	--	--	--	ND	ND	--	--	--	--	--
1,2,4-Trichlorobenzene	--	--	--	--	--	ND	ND	--	--	--	--	--
1,1,1,2-Tetrachloroethane	--	--	--	--	--	ND	ND	--	--	--	--	--
1,1,2,2-Tetrachloroethane	--	--	--	--	--	ND	ND	--	--	--	--	--
Tetrachloroethene	--	--	--	--	--	ND	ND	--	--	--	--	--
Toluene	--	--	--	--	--	**37.0**	**37.3**	--	--	--	--	--
1,1,1-Trichloroethane	--	--	--	--	--	ND	ND	--	--	--	--	--
1,1,2-Trichloroethane	--	--	--	--	--	ND	ND	--	--	--	--	--
Trichloroethene	--	--	--	--	--	ND	ND	--	--	--	--	--
Trichlorofluoromethane	--	--	--	--	--	ND	ND	--	--	--	--	--
1,2,3-Trichloropropane	--	--	--	--	--	ND	ND	--	--	--	--	--
1,2,4-Trimethylbenzene	--	--	--	--	--	ND	ND	--	--	--	--	--
1,3,5-Trimethylbenzene	--	--	--	--	--	ND	ND	--	--	--	--	--
Vinyl chloride	--	--	--	--	--	ND	ND	--	--	--	--	--
o-Xylene	--	--	--	--	--	ND	ND	--	--	--	--	--
m,p-Xylene	--	--	--	--	--	ND	ND	--	--	--	--	--
Total Xylenes	--	--	--	--	--	ND	ND	--	--	--	--	--

Notes and Abbreviations:
VOCs = Volatile Organic Compounds
µg/L = Micrograms per Liter
<x = Not detected above x µg/L
MDL = Method Detection Limit
ND = Not detected above MDL
-- = Not Measured/Not Analyzed
** = Levels established in ADEC Groundwater Cleanup Levels, Table C (ADEC, 18 AAC 75.345)
Volatile Organic Compounds analyzed by EPA Method 8260B

Table 4. **Groundwater Analytical Results (SVOCs)** - Delta Western/Former Chevron Bulk Terminal #100-1467, 1417 Peninsula Street, Wrangell, Alaska

Well ID	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-6-DUP	MW-7	MW-8	MW-9	SEEP-1	SEEP-2
Date	9/25/06	9/25/06	9/25/06	9/25/06	9/25/06	9/25/06	9/25/06	9/25/06	9/25/06	9/25/06	9/25/06	9/25/06
	← (µg/L) →											
Acenaphthene	--	--	--	--	--	ND	ND	--	--	--	--	--
Acenaphthylene	--	--	--	--	--	ND	ND	--	--	--	--	--
Aniline	--	--	--	--	--	ND	ND	--	--	--	--	--
Anthracene	--	--	--	--	--	ND	ND	--	--	--	--	--
Benzo (a) anthracene	--	--	--	--	--	ND	ND	--	--	--	--	--
Benzo (a) pyrene	--	--	--	--	--	ND	ND	--	--	--	--	--
Benzo (b) fluoranthene	--	--	--	--	--	ND	ND	--	--	--	--	--
Benzo (k) fluoranthene	--	--	--	--	--	ND	ND	--	--	--	--	--
Benzo (ghi) perylene	--	--	--	--	--	ND	ND	--	--	--	--	--
Benzoic Acid	--	--	--	--	--	ND	ND	--	--	--	--	--
Benzyl alcohol	--	--	--	--	--	ND	ND	--	--	--	--	--
Bis(2-chloroethoxy)methane	--	--	--	--	--	ND	ND	--	--	--	--	--
Bis(2-chloroethyl)ether	--	--	--	--	--	ND	ND	--	--	--	--	--
Bis(2-chloroisopropyl)ether	--	--	--	--	--	ND	ND	--	--	--	--	--
Bis(2-ethylhexyl)phthalate	--	--	--	--	--	ND	ND	--	--	--	--	--
4-Bromophenyl phenyl ether	--	--	--	--	--	ND	ND	--	--	--	--	--
Butyl benzyl phthalate	--	--	--	--	--	ND	ND	--	--	--	--	--
Carbazole	--	--	--	--	--	ND	ND	--	--	--	--	--
4-Chloroaniline	--	--	--	--	--	ND	ND	--	--	--	--	--
4-Chloro-3-methylphenol	--	--	--	--	--	ND	ND	--	--	--	--	--
2-Chloronaphthalene	--	--	--	--	--	ND	ND	--	--	--	--	--
2-Chlorophenol	--	--	--	--	--	ND	ND	--	--	--	--	--
4-Chlorophenyl phenyl ether	--	--	--	--	--	ND	ND	--	--	--	--	--
3 & 4-Methylphenol (m,p-Cresols)	--	--	--	--	--	ND	ND	--	--	--	--	--
2-Methylphenol (o-Cresol)	--	--	--	--	--	ND	ND	--	--	--	--	--
Chrysene	--	--	--	--	--	ND	ND	--	--	--	--	--
Di-n-butyl phthalate	--	--	--	--	--	ND	ND	--	--	--	--	--
Dibenz (a,h) anthracene	--	--	--	--	--	ND	ND	--	--	--	--	--
Dibenzofuran	--	--	--	--	--	ND	ND	--	--	--	--	--
1,2-Dichlorobenzene	--	--	--	--	--	ND	ND	--	--	--	--	--
1,3-Dichlorobenzene	--	--	--	--	--	ND	ND	--	--	--	--	--
1,4-Dichlorobenzene	--	--	--	--	--	ND	ND	--	--	--	--	--
3,3-Dichlorobenzidine	--	--	--	--	--	ND	ND	--	--	--	--	--
2,4-Dichlorophenol	--	--	--	--	--	ND	ND	--	--	--	--	--
Diethyl phthalate	--	--	--	--	--	ND	ND	--	--	--	--	--
2,4-Dimethylphenol	--	--	--	--	--	ND	ND	--	--	--	--	--
Dimethyl phthalate	--	--	--	--	--	ND	ND	--	--	--	--	--
4,6-Dinitro-2-methylphenol	--	--	--	--	--	ND	ND	--	--	--	--	--
2,4-Dinitrophenol	--	--	--	--	--	ND	ND	--	--	--	--	--
2,4-Dinitrotoluene	--	--	--	--	--	ND	ND	--	--	--	--	--
2,6-Dinitrotoluene	--	--	--	--	--	ND	ND	--	--	--	--	--
N-Nitrosodiphenylamine	--	--	--	--	--	ND	ND	--	--	--	--	--

Table 4. **Groundwater Analytical Results (SVOCs)** - Delta Western/Former Chevron Bulk Terminal #100-1467, 1417 Peninsula Street, Wrangell, Alaska

Well ID	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-6-DUP	MW-7	MW-8	MW-9	SEEP-1	SEEP-2
Date	9/25/06	9/25/06	9/25/06	9/25/06	9/25/06	9/25/06	9/25/06	9/25/06	9/25/06	9/25/06	9/25/06	9/25/06
	← (µg/L) →											
Fluoranthene	--	--	--	--	--	ND	ND	--	--	--	--	--
Fluorene	--	--	--	--	--	ND	ND	--	--	--	--	--
Hexachlorobenzene	--	--	--	--	--	ND	ND	--	--	--	--	--
Hexachlorobutadiene	--	--	--	--	--	ND	ND	--	--	--	--	--
Hexachlorocyclopentadiene	--	--	--	--	--	ND	ND	--	--	--	--	--
Hexachloroethane	--	--	--	--	--	ND	ND	--	--	--	--	--
Indeno (1,2,3-cd) pyrene	--	--	--	--	--	ND	ND	--	--	--	--	--
Isophorone	--	--	--	--	--	ND	ND	--	--	--	--	--
1-Methylnaphthalene	--	--	--	--	--	ND	ND	--	--	--	--	--
2-Methylnaphthalene	--	--	--	--	--	ND	ND	--	--	--	--	--
Naphthalene	--	--	--	--	--	ND	ND	--	--	--	--	--
2-Nitroaniline	--	--	--	--	--	ND	ND	--	--	--	--	--
3-Nitroaniline	--	--	--	--	--	ND	ND	--	--	--	--	--
4-Nitroaniline	--	--	--	--	--	ND	ND	--	--	--	--	--
Nitrobenzene	--	--	--	--	--	ND	ND	--	--	--	--	--
2-Nitrophenol	--	--	--	--	--	ND	ND	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--	ND	ND	--	--	--	--	--
N-Nitrosodi-n-propylamine	--	--	--	--	--	ND	ND	--	--	--	--	--
Di-n-octyl phthalate	--	--	--	--	--	ND	ND	--	--	--	--	--
Pentachlorophenol	--	--	--	--	--	ND	ND	--	--	--	--	--
Phenanthrene	--	--	--	--	--	ND	ND	--	--	--	--	--
Phenol	--	--	--	--	--	ND	ND	--	--	--	--	--
Pyrene	--	--	--	--	--	ND	ND	--	--	--	--	--
1,2,4-Trichlorobenzene	--	--	--	--	--	ND	ND	--	--	--	--	--
2,4,5-Trichlorophenol	--	--	--	--	--	ND	ND	--	--	--	--	--
2,4,6-Trichlorophenol	--	--	--	--	--	ND	ND	--	--	--	--	--

Notes and Abbreviations:

SVOCs = Semivolatile Organic Compounds

µg/L = micrograms per liter

<x = Not detected above x micrograms per liter

-- = Not Measured/Not Analyzed

** = Levels established in Groundwater Cleanup Levels Table C (ADEC, 18 AAC 75.345)

SVOCs analyzed by EPA Method 8270C

ATTACHMENT A

Test America Analytical Report

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

October 14, 2006

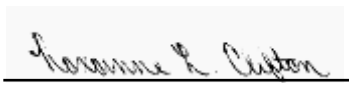
Andrew Ellsmore
Cambria Environmental
2828 N Speer Blvd - Suite 140
Denver, CO 80211

RE: Chevron 100-1467

Enclosed are the results of analyses for samples received by the laboratory on 09/29/06 09:00. The following list is a summary of the Work Orders contained in this report, generated on 10/14/06 13:27.

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

Work Order	Project	ProjectNumber
PPI1309	Chevron 100-1467	None



Roxanne L. Clifton, Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION

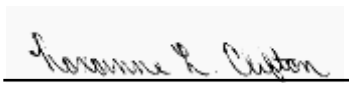
PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Cambria Environmental	Project Name:	**Chevron 100-1467**	
2828 N Speer Blvd - Suite 140	Project Number:	None	Report Created:
Denver, CO 80211	Project Manager:	Andrew Ellsmore	10/14/06 13:27

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-2	PPI1309-01	Water	09/25/06 15:20	09/29/06 09:00
MW-4	PPI1309-02	Water	09/25/06 12:45	09/29/06 09:00
MW-5	PPI1309-03	Water	09/25/06 11:45	09/29/06 09:00
MW-6	PPI1309-04	Water	09/25/06 13:45	09/29/06 09:00
Dup-1	PPI1309-05	Water	09/25/06 00:00	09/29/06 09:00
Seep-1	PPI1309-06	Water	09/25/06 12:00	09/29/06 09:00
Seep-2	PPI1309-07	Water	09/25/06 12:15	09/29/06 09:00
Trip Blank	PPI1309-08	Water	09/25/06 00:00	09/29/06 09:00

TestAmerica - Portland, OR



Roxanne L. Clifton, Project Manager

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

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

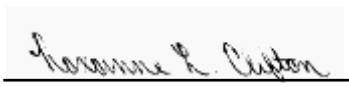
Cambria Environmental	Project Name:	**Chevron 100-1467**	
2828 N Speer Blvd - Suite 140	Project Number:	None	Report Created:
Denver, CO 80211	Project Manager:	Andrew Ellsmore	10/14/06 13:27

Gasoline Range Organics (C6-C10) and BTEX per AK101/8021B

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PPI1309-01 (MW-2)		**Water**			**Sampled: 09/25/06 15:20**					
Gasoline Range Organics	AK101/8021B	ND	-----	80.0	ug/l	1x	6100103	10/03/06 10:25	10/03/06 18:55	
Benzene	"	**0.902**	-----	0.500	"	"	"	"	"	
Toluene	"	ND	-----	0.500	"	"	"	"	"	
Ethylbenzene	"	ND	-----	0.500	"	"	"	"	"	
Xylenes (total)	"	ND	-----	1.00	"	"	"	"	"	
Surrogate(s): 4-BFB (FID)			*88.4%*		*60 - 120 %*	"			"	
4-BFB (PID)			*89.6%*		*60 - 120 %*	"			"	
PPI1309-04 (MW-6)		**Water**			**Sampled: 09/25/06 13:45**					
Gasoline Range Organics	AK101/8021B	**103**	-----	80.0	ug/l	1x	6100103	10/03/06 10:25	10/03/06 15:26	
Benzene	"	ND	-----	0.500	"	"	"	"	"	
Toluene	"	**41.1**	-----	0.500	"	"	"	"	"	
Ethylbenzene	"	**0.514**	-----	0.500	"	"	"	"	"	
Xylenes (total)	"	**2.27**	-----	1.00	"	"	"	"	"	
Surrogate(s): 4-BFB (FID)			*84.0%*		*60 - 120 %*	"			"	
4-BFB (PID)			*86.2%*		*60 - 120 %*	"			"	
PPI1309-05 (Dup-1)		**Water**			**Sampled: 09/25/06 00:00**					
Gasoline Range Organics	AK101/8021B	**88.7**	-----	80.0	ug/l	1x	6100103	10/03/06 10:25	10/03/06 19:47	
Benzene	"	ND	-----	0.500	"	"	"	"	"	
Toluene	"	**33.3**	-----	0.500	"	"	"	"	"	
Ethylbenzene	"	**0.575**	-----	0.500	"	"	"	"	"	
Xylenes (total)	"	**2.92**	-----	1.00	"	"	"	"	"	
Surrogate(s): 4-BFB (FID)			*90.6%*		*60 - 120 %*	"			"	
4-BFB (PID)			*93.2%*		*60 - 120 %*	"			"	
PPI1309-08 (Trip Blank)		**Water**			**Sampled: 09/25/06 00:00**					
Gasoline Range Organics	AK101/8021B	ND	-----	80.0	ug/l	1x	6100103	10/03/06 10:25	10/03/06 21:57	
Benzene	"	ND	-----	0.500	"	"	"	"	"	
Toluene	"	ND	-----	0.500	"	"	"	"	"	
Ethylbenzene	"	ND	-----	0.500	"	"	"	"	"	
Xylenes (total)	"	ND	-----	1.00	"	"	"	"	"	
Surrogate(s): 4-BFB (FID)			*82.0%*		*60 - 120 %*	"			"	
4-BFB (PID)			*83.4%*		*60 - 120 %*	"			"	

TestAmerica - Portland, OR



Roxanne L. Clifton, Project Manager

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

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Cambria Environmental	Project Name:	**Chevron 100-1467**	
2828 N Speer Blvd - Suite 140	Project Number:	None	Report Created:
Denver, CO 80211	Project Manager:	Andrew Ellsmore	10/14/06 13:27

Diesel Range Organics (C10-C25) and Residual Range Organics (C25-C36) per AK102/103 Low Volume

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PPI1309-01 (MW-2)		**Water**				**Sampled: 09/25/06 15:20**				
Diesel Range Organics	AK102/103	ND	-----	0.385	mg/l	1x	6100012	10/02/06 13:30	10/04/06 03:13	
Residual Range Organics	"	ND	-----	0.462	"	"	"	"	"	
Surrogate(s): 1-Chlorooctadecane			*103%*		*50 - 150 %*	"			"	
Triacontane			*95.0%*		*50 - 150 %*	"			"	
PPI1309-02 (MW-4)		**Water**				**Sampled: 09/25/06 12:45**				
Diesel Range Organics	AK102/103	ND	-----	0.385	mg/l	1x	6100012	10/02/06 13:30	10/04/06 03:48	
Residual Range Organics	"	ND	-----	0.462	"	"	"	"	"	
Surrogate(s): 1-Chlorooctadecane			*100%*		*50 - 150 %*	"			"	
Triacontane			*94.0%*		*50 - 150 %*	"			"	
PPI1309-04 (MW-6)		**Water**				**Sampled: 09/25/06 13:45**				
Diesel Range Organics	AK102/103	ND	-----	0.385	mg/l	1x	6100012	10/02/06 13:30	10/04/06 04:23	
Residual Range Organics	"	ND	-----	0.462	"	"	"	"	"	
Surrogate(s): 1-Chlorooctadecane			*104%*		*50 - 150 %*	"			"	
Triacontane			*98.7%*		*50 - 150 %*	"			"	
PPI1309-05 (Dup-1)		**Water**				**Sampled: 09/25/06 00:00**				
Diesel Range Organics	AK102/103	ND	-----	0.385	mg/l	1x	6100012	10/02/06 13:30	10/04/06 04:58	
Residual Range Organics	"	ND	-----	0.462	"	"	"	"	"	
Surrogate(s): 1-Chlorooctadecane			*99.7%*		*50 - 150 %*	"			"	
Triacontane			*95.5%*		*50 - 150 %*	"			"	
PPI1309-08 (Trip Blank)		**Water**				**Sampled: 09/25/06 00:00**				
Diesel Range Organics	AK102/103	ND	-----	0.385	mg/l	1x	6100012	10/02/06 13:30	10/04/06 05:33	
Residual Range Organics	"	ND	-----	0.462	"	"	"	"	"	
Surrogate(s): 1-Chlorooctadecane			*96.7%*		*50 - 150 %*	"			"	
Triacontane			*89.5%*		*50 - 150 %*	"			"	

TestAmerica - Portland, OR

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.

Roxanne L. Clifton, Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Cambria Environmental	Project Name:	**Chevron 100-1467**	
2828 N Speer Blvd - Suite 140	Project Number:	None	Report Created:
Denver, CO 80211	Project Manager:	Andrew Ellsmore	10/14/06 13:27

BTEX per EPA Method 8021B

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PPI1309-03 (MW-5)		**Water**					**Sampled: 09/25/06 11:45**			
Benzene	EPA 8021B	ND	-----	0.500	ug/l	1x	6100103	10/03/06 10:25	10/03/06 19:21	
Toluene	"	ND	-----	0.500	"	"	"	"	"	
Ethylbenzene	"	ND	-----	0.500	"	"	"	"	"	
Xylenes (total)	"	ND	-----	1.00	"	"	"	"	"	
Surrogate(s): 4-BFB (PID)			*81.2%*		*70 - 130 %*	"			"	
PPI1309-06 (Seep-1)		**Water**					**Sampled: 09/25/06 12:00**			
Benzene	EPA 8021B	ND	-----	0.500	ug/l	1x	6100103	10/03/06 10:25	10/03/06 20:13	
Toluene	"	ND	-----	0.500	"	"	"	"	"	
Ethylbenzene	"	ND	-----	0.500	"	"	"	"	"	
Xylenes (total)	"	ND	-----	1.00	"	"	"	"	"	
Surrogate(s): 4-BFB (PID)			*91.4%*		*70 - 130 %*	"			"	
PPI1309-07 (Seep-2)		**Water**					**Sampled: 09/25/06 12:15**			
Benzene	EPA 8021B	ND	-----	0.500	ug/l	1x	6100103	10/03/06 10:25	10/03/06 21:31	
Toluene	"	ND	-----	0.500	"	"	"	"	"	
Ethylbenzene	"	ND	-----	0.500	"	"	"	"	"	
Xylenes (total)	"	ND	-----	1.00	"	"	"	"	"	
Surrogate(s): 4-BFB (PID)			*89.0%*		*70 - 130 %*	"			"	

Roxanne L. Clifton, Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Cambria Environmental	Project Name:	**Chevron 100-1467**	
2828 N Speer Blvd - Suite 140	Project Number:	None	Report Created:
Denver, CO 80211	Project Manager:	Andrew Ellsmore	10/14/06 13:27

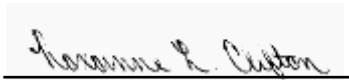
Volatile Organic Compounds per EPA Method 8260B

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PPI1309-04 (MW-6)		**Water**			**Sampled: 09/25/06 13:45**					
Acetone	EPA 8260B	ND	-----	25.0	ug/l	1x	6100286	10/05/06 16:04	10/06/06 02:28	
Benzene	"	ND	-----	1.00	"	"	"	"	"	
Bromobenzene	"	ND	-----	1.00	"	"	"	"	"	
Bromochloromethane	"	ND	-----	1.00	"	"	"	"	"	
Bromodichloromethane	"	ND	-----	1.00	"	"	"	"	"	
Bromoform	"	ND	-----	1.00	"	"	"	"	"	
Bromomethane	"	ND	-----	5.00	"	"	"	"	"	
2-Butanone (MEK)	"	ND	-----	10.0	"	"	"	"	"	
n-Butylbenzene	"	ND	-----	5.00	"	"	"	"	"	
sec-Butylbenzene	"	ND	-----	1.00	"	"	"	"	"	
tert-Butylbenzene	"	ND	-----	1.00	"	"	"	"	"	
Carbon disulfide	"	ND	-----	10.0	"	"	"	"	"	
Carbon tetrachloride	"	ND	-----	1.00	"	"	"	"	"	
Chlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
Chloroethane	"	ND	-----	1.00	"	"	"	"	"	
Chloroform	"	ND	-----	1.00	"	"	"	"	"	
Chloromethane	"	ND	-----	5.00	"	"	"	"	"	
2-Chlorotoluene	"	ND	-----	1.00	"	"	"	"	"	
4-Chlorotoluene	"	ND	-----	1.00	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	-----	5.00	"	"	"	"	"	
Dibromochloromethane	"	ND	-----	1.00	"	"	"	"	"	
1,2-Dibromoethane	"	ND	-----	1.00	"	"	"	"	"	
Dibromomethane	"	ND	-----	1.00	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	-----	5.00	"	"	"	"	"	
1,1-Dichloroethane	"	ND	-----	1.00	"	"	"	"	"	
1,2-Dichloroethane	"	ND	-----	1.00	"	"	"	"	"	
1,1-Dichloroethene	"	ND	-----	1.00	"	"	"	"	"	
cis-1,2-Dichloroethene	"	ND	-----	1.00	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	-----	1.00	"	"	"	"	"	
1,2-Dichloropropane	"	ND	-----	1.00	"	"	"	"	"	
1,3-Dichloropropane	"	ND	-----	1.00	"	"	"	"	"	
2,2-Dichloropropane	"	ND	-----	1.00	"	"	"	"	"	
1,1-Dichloropropene	"	ND	-----	1.00	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	-----	1.00	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	-----	1.00	"	"	"	"	"	
Ethylbenzene	"	ND	-----	1.00	"	"	"	"	"	
Hexachlorobutadiene	"	ND	-----	4.00	"	"	"	"	"	
2-Hexanone	"	ND	-----	10.0	"	"	"	"	"	
Isopropylbenzene	"	ND	-----	2.00	"	"	"	"	"	
p-Isopropyltoluene	"	**2.18**	-----	2.00	"	"	"	"	"	

TestAmerica - Portland, OR

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.



Roxanne L. Clifton, Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Cambria Environmental	Project Name:	**Chevron 100-1467**	
2828 N Speer Blvd - Suite 140	Project Number:	None	Report Created:
Denver, CO 80211	Project Manager:	Andrew Ellsmore	10/14/06 13:27

Volatile Organic Compounds per EPA Method 8260B

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PPI1309-04 (MW-6)		**Water**			**Sampled: 09/25/06 13:45**					
4-Methyl-2-pentanone	EPA 8260B	ND	-----	5.00	ug/l	1x	6100286	10/05/06 16:04	10/06/06 02:28	
Methyl tert-butyl ether	"	ND	-----	1.00	"	"	"	"	"	
Methylene chloride	"	ND	-----	5.00	"	"	"	"	"	
Naphthalene	"	ND	-----	2.00	"	"	"	"	"	
n-Propylbenzene	"	ND	-----	1.00	"	"	"	"	"	
Styrene	"	ND	-----	1.00	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	-----	1.00	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	-----	1.00	"	"	"	"	"	
Tetrachloroethene	"	ND	-----	1.00	"	"	"	"	"	
Toluene	"	**37.0**	-----	1.00	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	-----	1.00	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	-----	1.00	"	"	"	"	"	
Trichloroethene	"	ND	-----	1.00	"	"	"	"	"	
Trichlorofluoromethane	"	ND	-----	1.00	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	-----	1.00	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	-----	1.00	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	-----	1.00	"	"	"	"	"	
Vinyl chloride	"	ND	-----	1.00	"	"	"	"	"	
o-Xylene	"	ND	-----	1.00	"	"	"	"	"	
m,p-Xylene	"	ND	-----	2.00	"	"	"	"	"	
Surrogate(s): 4-BFB			*104%*		*80 - 120 %*	"			"	
1,2-DCA-d4			*87.0%*		*80 - 120 %*	"			"	
Dibromofluoromethane			*95.5%*		*80 - 120 %*	"			"	
Toluene-d8			*92.5%*		*80 - 120 %*	"			"	
PPI1309-05 (Dup-1)		**Water**			**Sampled: 09/25/06 00:00**					
Acetone	EPA 8260B	ND	-----	25.0	ug/l	1x	6100286	10/05/06 16:04	10/06/06 02:55	
Benzene	"	ND	-----	1.00	"	"	"	"	"	
Bromobenzene	"	ND	-----	1.00	"	"	"	"	"	
Bromochloromethane	"	ND	-----	1.00	"	"	"	"	"	
Bromodichloromethane	"	ND	-----	1.00	"	"	"	"	"	
Bromoform	"	ND	-----	1.00	"	"	"	"	"	
Bromomethane	"	ND	-----	5.00	"	"	"	"	"	
2-Butanone (MEK)	"	ND	-----	10.0	"	"	"	"	"	
n-Butylbenzene	"	ND	-----	5.00	"	"	"	"	"	
sec-Butylbenzene	"	ND	-----	1.00	"	"	"	"	"	
tert-Butylbenzene	"	ND	-----	1.00	"	"	"	"	"	
Carbon disulfide	"	ND	-----	10.0	"	"	"	"	"	
Carbon tetrachloride	"	ND	-----	1.00	"	"	"	"	"	
Chlorobenzene	"	ND	-----	1.00	"	"	"	"	"	

TestAmerica - Portland, OR

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.

Roxanne L. Clifton, Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Cambria Environmental	Project Name:	**Chevron 100-1467**	
2828 N Speer Blvd - Suite 140	Project Number:	None	Report Created:
Denver, CO 80211	Project Manager:	Andrew Ellsmore	10/14/06 13:27

Volatile Organic Compounds per EPA Method 8260B

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PPI1309-05 (Dup-1)		**Water**			**Sampled: 09/25/06 00:00**					
Chloroethane	EPA 8260B	ND	-----	1.00	ug/l	1x	6100286	10/05/06 16:04	10/06/06 02:55	
Chloroform	"	ND	-----	1.00	"	"	"	"	"	
Chloromethane	"	ND	-----	5.00	"	"	"	"	"	
2-Chlorotoluene	"	ND	-----	1.00	"	"	"	"	"	
4-Chlorotoluene	"	ND	-----	1.00	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	-----	5.00	"	"	"	"	"	
Dibromochloromethane	"	ND	-----	1.00	"	"	"	"	"	
1,2-Dibromoethane	"	ND	-----	1.00	"	"	"	"	"	
Dibromomethane	"	ND	-----	1.00	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	-----	5.00	"	"	"	"	"	
1,1-Dichloroethane	"	ND	-----	1.00	"	"	"	"	"	
1,2-Dichloroethane	"	ND	-----	1.00	"	"	"	"	"	
1,1-Dichloroethene	"	ND	-----	1.00	"	"	"	"	"	
cis-1,2-Dichloroethene	"	ND	-----	1.00	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	-----	1.00	"	"	"	"	"	
1,2-Dichloropropane	"	ND	-----	1.00	"	"	"	"	"	
1,3-Dichloropropane	"	ND	-----	1.00	"	"	"	"	"	
2,2-Dichloropropane	"	ND	-----	1.00	"	"	"	"	"	
1,1-Dichloropropene	"	ND	-----	1.00	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	-----	1.00	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	-----	1.00	"	"	"	"	"	
Ethylbenzene	"	ND	-----	1.00	"	"	"	"	"	
Hexachlorobutadiene	"	ND	-----	4.00	"	"	"	"	"	
2-Hexanone	"	ND	-----	10.0	"	"	"	"	"	
Isopropylbenzene	"	ND	-----	2.00	"	"	"	"	"	
p-Isopropyltoluene	"	**2.20**	-----	2.00	"	"	"	"	"	
4-Methyl-2-pentanone	"	ND	-----	5.00	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	-----	1.00	"	"	"	"	"	
Methylene chloride	"	ND	-----	5.00	"	"	"	"	"	
Naphthalene	"	ND	-----	2.00	"	"	"	"	"	
n-Propylbenzene	"	ND	-----	1.00	"	"	"	"	"	
Styrene	"	ND	-----	1.00	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	-----	1.00	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	-----	1.00	"	"	"	"	"	
Tetrachloroethene	"	ND	-----	1.00	"	"	"	"	"	
Toluene	"	**37.3**	-----	1.00	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	-----	1.00	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	-----	1.00	"	"	"	"	"	

TestAmerica - Portland, OR

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.

Roxanne L. Clifton, Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Cambria Environmental	Project Name:	**Chevron 100-1467**	
2828 N Speer Blvd - Suite 140	Project Number:	None	Report Created:
Denver, CO 80211	Project Manager:	Andrew Ellsmore	10/14/06 13:27

Volatile Organic Compounds per EPA Method 8260B

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PPI1309-05 (Dup-1)		**Water**			**Sampled: 09/25/06 00:00**					
Trichloroethene	EPA 8260B	ND	-----	1.00	ug/l	1x	6100286	10/05/06 16:04	10/06/06 02:55	
Trichlorofluoromethane	"	ND	-----	1.00	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	-----	1.00	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	-----	1.00	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	-----	1.00	"	"	"	"	"	
Vinyl chloride	"	ND	-----	1.00	"	"	"	"	"	
o-Xylene	"	ND	-----	1.00	"	"	"	"	"	
m,p-Xylene	"	ND	-----	2.00	"	"	"	"	"	
Surrogate(s): *4-BFB*			*110%*		*80 - 120 %*	"			"	
1,2-DCA-d4			*91.5%*		*80 - 120 %*	"			"	
Dibromofluoromethane			*100%*		*80 - 120 %*	"			"	
Toluene-d8			*97.0%*		*80 - 120 %*	"			"	
PPI1309-08 (Trip Blank)		**Water**			**Sampled: 09/25/06 00:00**					
Acetone	EPA 8260B	ND	-----	25.0	ug/l	1x	6100286	10/05/06 16:04	10/05/06 19:46	
Benzene	"	ND	-----	1.00	"	"	"	"	"	
Bromobenzene	"	ND	-----	1.00	"	"	"	"	"	
Bromochloromethane	"	ND	-----	1.00	"	"	"	"	"	
Bromodichloromethane	"	ND	-----	1.00	"	"	"	"	"	
Bromoform	"	ND	-----	1.00	"	"	"	"	"	
Bromomethane	"	ND	-----	5.00	"	"	"	"	"	
2-Butanone (MEK)	"	ND	-----	10.0	"	"	"	"	"	
n-Butylbenzene	"	ND	-----	5.00	"	"	"	"	"	
sec-Butylbenzene	"	ND	-----	1.00	"	"	"	"	"	
tert-Butylbenzene	"	ND	-----	1.00	"	"	"	"	"	
Carbon disulfide	"	ND	-----	10.0	"	"	"	"	"	
Carbon tetrachloride	"	ND	-----	1.00	"	"	"	"	"	
Chlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
Chloroethane	"	ND	-----	1.00	"	"	"	"	"	
Chloroform	"	ND	-----	1.00	"	"	"	"	"	
Chloromethane	"	ND	-----	5.00	"	"	"	"	"	
2-Chlorotoluene	"	ND	-----	1.00	"	"	"	"	"	
4-Chlorotoluene	"	ND	-----	1.00	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	-----	5.00	"	"	"	"	"	
Dibromochloromethane	"	ND	-----	1.00	"	"	"	"	"	
1,2-Dibromoethane	"	ND	-----	1.00	"	"	"	"	"	
Dibromomethane	"	ND	-----	1.00	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	-----	5.00	"	"	"	"	"	
1,1-Dichloroethane	"	ND	-----	1.00	"	"	"	"	"	

TestAmerica - Portland, OR

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.

Roxanne L. Clifton, Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Cambria Environmental	Project Name:	**Chevron 100-1467**	
2828 N Speer Blvd - Suite 140	Project Number:	None	Report Created:
Denver, CO 80211	Project Manager:	Andrew Ellsmore	10/14/06 13:27

Volatile Organic Compounds per EPA Method 8260B

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PPI1309-08 (Trip Blank)		**Water**			**Sampled: 09/25/06 00:00**					
1,2-Dichloroethane	EPA 8260B	ND	-----	1.00	ug/l	1x	6100286	10/05/06 16:04	10/05/06 19:46	
1,1-Dichloroethene	"	ND	-----	1.00	"	"	"	"	"	
cis-1,2-Dichloroethene	"	ND	-----	1.00	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	-----	1.00	"	"	"	"	"	
1,2-Dichloropropane	"	ND	-----	1.00	"	"	"	"	"	
1,3-Dichloropropane	"	ND	-----	1.00	"	"	"	"	"	
2,2-Dichloropropane	"	ND	-----	1.00	"	"	"	"	"	
1,1-Dichloropropene	"	ND	-----	1.00	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	-----	1.00	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	-----	1.00	"	"	"	"	"	
Ethylbenzene	"	ND	-----	1.00	"	"	"	"	"	
Hexachlorobutadiene	"	ND	-----	4.00	"	"	"	"	"	
2-Hexanone	"	ND	-----	10.0	"	"	"	"	"	
Isopropylbenzene	"	ND	-----	2.00	"	"	"	"	"	
p-Isopropyltoluene	"	ND	-----	2.00	"	"	"	"	"	
4-Methyl-2-pentanone	"	ND	-----	5.00	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	-----	1.00	"	"	"	"	"	
Methylene chloride	"	ND	-----	5.00	"	"	"	"	"	
Naphthalene	"	ND	-----	2.00	"	"	"	"	"	
n-Propylbenzene	"	ND	-----	1.00	"	"	"	"	"	
Styrene	"	ND	-----	1.00	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	-----	1.00	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	-----	1.00	"	"	"	"	"	
Tetrachloroethene	"	ND	-----	1.00	"	"	"	"	"	
Toluene	"	ND	-----	1.00	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	-----	1.00	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	-----	1.00	"	"	"	"	"	
Trichloroethene	"	ND	-----	1.00	"	"	"	"	"	
Trichlorofluoromethane	"	ND	-----	1.00	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	-----	1.00	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	-----	1.00	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	-----	1.00	"	"	"	"	"	
Vinyl chloride	"	ND	-----	1.00	"	"	"	"	"	
o-Xylene	"	ND	-----	1.00	"	"	"	"	"	
m,p-Xylene	"	ND	-----	2.00	"	"	"	"	"	
Surrogate(s): *4-BFB*			*95.0%*		*80 - 120 %*	"			"	
1,2-DCA-d4			*94.0%*		*80 - 120 %*	"			"	
Dibromofluoromethane			*96.5%*		*80 - 120 %*	"			"	
Toluene-d8			*102%*		*80 - 120 %*	"			"	

TestAmerica - Portland, OR

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.

Roxanne L. Clifton, Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Cambria Environmental	Project Name:	**Chevron 100-1467**	
2828 N Speer Blvd - Suite 140	Project Number:	None	Report Created:
Denver, CO 80211	Project Manager:	Andrew Ellsmore	10/14/06 13:27

Semivolatile Organic Compounds per EPA Method 8270C

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PPI1309-04 (MW-6)		**Water**			**Sampled: 09/25/06 13:45**					
Acenaphthene	EPA 8270C	ND	-----	4.72	ug/l	1x	6100064	10/02/06 18:15	10/05/06 06:53	
Acenaphthylene	"	ND	-----	4.72	"	"	"	"	"	
Anthracene	"	ND	-----	4.72	"	"	"	"	"	
Benzo (a) anthracene	"	ND	-----	4.72	"	"	"	"	"	
Benzo (a) pyrene	"	ND	-----	4.72	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	-----	4.72	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	-----	4.72	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	-----	4.72	"	"	"	"	"	
Benzoic Acid	"	ND	-----	47.2	"	"	"	"	"	
Benzyl alcohol	"	ND	-----	9.43	"	"	"	"	"	
4-Bromophenyl phenyl ether	"	ND	-----	4.72	"	"	"	"	"	
Butyl benzyl phthalate	"	ND	-----	4.72	"	"	"	"	"	
4-Chloro-3-methylphenol	"	ND	-----	4.72	"	"	"	"	"	
4-Chloroaniline	"	ND	-----	18.9	"	"	"	"	"	
Bis(2-chloroethoxy)methane	"	ND	-----	9.43	"	"	"	"	"	
Bis(2-chloroethyl)ether	"	ND	-----	4.72	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	"	ND	-----	9.43	"	"	"	"	"	
2-Chloronaphthalene	"	ND	-----	4.72	"	"	"	"	"	
2-Chlorophenol	"	ND	-----	4.72	"	"	"	"	"	
4-Chlorophenyl phenyl ether	"	ND	-----	4.72	"	"	"	"	"	
Chrysene	"	ND	-----	4.72	"	"	"	"	"	
Di-n-butyl phthalate	"	ND	-----	4.72	"	"	"	"	"	
Di-n-octyl phthalate	"	ND	-----	4.72	"	"	"	"	"	
Dibenzo (a,h) anthracene	"	ND	-----	4.72	"	"	"	"	"	
Dibenzofuran	"	ND	-----	4.72	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	-----	4.72	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	-----	4.72	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	-----	4.72	"	"	"	"	"	
3,3´-Dichlorobenzidine	"	ND	-----	4.72	"	"	"	"	"	
2,4-Dichlorophenol	"	ND	-----	4.72	"	"	"	"	"	
Diethyl phthalate	"	ND	-----	4.72	"	"	"	"	"	
2,4-Dimethylphenol	"	ND	-----	9.43	"	"	"	"	"	
Dimethyl phthalate	"	ND	-----	4.72	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	"	ND	-----	9.43	"	"	"	"	"	
2,4-Dinitrophenol	"	ND	-----	23.6	"	"	"	"	"	
2,4-Dinitrotoluene	"	ND	-----	4.72	"	"	"	"	"	
2,6-Dinitrotoluene	"	ND	-----	4.72	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	"	ND	-----	9.43	"	"	"	"	"	
Fluoranthene	"	ND	-----	4.72	"	"	"	"	"	
Fluorene	"	ND	-----	4.72	"	"	"	"	"	
Hexachlorobenzene	"	ND	-----	4.72	"	"	"	"	"	
Hexachlorobutadiene	"	ND	-----	9.43	"	"	"	"	"	
Hexachlorocyclopentadiene	"	ND	-----	9.43	"	"	"	"	"	

TestAmerica - Portland, OR

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.

Roxanne L. Clifton, Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Cambria Environmental	Project Name:	**Chevron 100-1467**	
2828 N Speer Blvd - Suite 140	Project Number:	None	Report Created:
Denver, CO 80211	Project Manager:	Andrew Ellsmore	10/14/06 13:27

Semivolatile Organic Compounds per EPA Method 8270C

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PPI1309-04 (MW-6)		**Water**			**Sampled: 09/25/06 13:45**					
Hexachloroethane	EPA 8270C	ND	-----	9.43	ug/l	1x	6100064	10/02/06 18:15	10/05/06 06:53	
Indeno (1,2,3-cd) pyrene	"	ND	-----	4.72	"	"	"	"	"	
Isophorone	"	ND	-----	4.72	"	"	"	"	"	
2-Methylnaphthalene	"	ND	-----	4.72	"	"	"	"	"	
2-Methylphenol	"	ND	-----	9.43	"	"	"	"	"	
3-,4-Methylphenol	"	ND	-----	4.72	"	"	"	"	"	
Naphthalene	"	ND	-----	4.72	"	"	"	"	"	
2-Nitroaniline	"	ND	-----	4.72	"	"	"	"	"	
3-Nitroaniline	"	ND	-----	9.43	"	"	"	"	"	
4-Nitroaniline	"	ND	-----	9.43	"	"	"	"	"	
Nitrobenzene	"	ND	-----	4.72	"	"	"	"	"	
2-Nitrophenol	"	ND	-----	4.72	"	"	"	"	"	
4-Nitrophenol	"	ND	-----	23.6	"	"	"	"	"	
N-Nitrosodi-n-propylamine	"	ND	-----	9.43	"	"	"	"	"	
N-Nitrosodiphenylamine	"	ND	-----	4.72	"	"	"	"	"	
Pentachlorophenol	"	ND	-----	9.43	"	"	"	"	"	
Phenanthrene	"	ND	-----	4.72	"	"	"	"	"	
Phenol	"	ND	-----	4.72	"	"	"	"	"	
Pyrene	"	ND	-----	4.72	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	-----	4.72	"	"	"	"	"	
2,4,5-Trichlorophenol	"	ND	-----	4.72	"	"	"	"	"	
2,4,6-Trichlorophenol	"	ND	-----	4.72	"	"	"	"	"	
Surrogate(s): 2-Fluorobiphenyl			*69.9%*		*22 - 120 %*	"			"	
2-Fluorophenol			*39.7%*		*5 - 120 %*	"			"	
Nitrobenzene-d5			*80.4%*		*26 - 127 %*	"			"	
Phenol-d6			*59.2%*		*4 - 121 %*	"			"	
p-Terphenyl-d14			*72.0%*		*37 - 130 %*	"			"	
2,4,6-Tribromophenol			*77.5%*		*21 - 129 %*	"			"	
PPI1309-05 (Dup-1)		**Water**			**Sampled: 09/25/06 00:00**					
Acenaphthene	EPA 8270C	ND	-----	4.81	ug/l	1x	6100064	10/02/06 18:15	10/06/06 23:45	
Acenaphthylene	"	ND	-----	4.81	"	"	"	"	"	
Anthracene	"	ND	-----	4.81	"	"	"	"	"	
Benzo (a) anthracene	"	ND	-----	4.81	"	"	"	"	"	
Benzo (a) pyrene	"	ND	-----	4.81	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	-----	4.81	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	-----	4.81	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	-----	4.81	"	"	"	"	"	
Benzoic Acid	"	ND	-----	48.1	"	"	"	"	"	
Benzyl alcohol	"	ND	-----	9.62	"	"	"	"	"	
4-Bromophenyl phenyl ether	"	ND	-----	4.81	"	"	"	"	"	
Butyl benzyl phthalate	"	ND	-----	4.81	"	"	"	"	"	

TestAmerica - Portland, OR

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.

Roxanne L. Clifton, Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Cambria Environmental	Project Name:	**Chevron 100-1467**	
2828 N Speer Blvd - Suite 140	Project Number:	None	Report Created:
Denver, CO 80211	Project Manager:	Andrew Ellsmore	10/14/06 13:27

Semivolatile Organic Compounds per EPA Method 8270C

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PPI1309-05 (Dup-1)		**Water**			**Sampled: 09/25/06 00:00**					
4-Chloro-3-methylphenol	EPA 8270C	ND	-----	4.81	ug/l	1x	6100064	10/02/06 18:15	10/06/06 23:45	
4-Chloroaniline	"	ND	-----	19.2	"	"	"	"	"	
Bis(2-chloroethoxy)methane	"	ND	-----	9.62	"	"	"	"	"	
Bis(2-chloroethyl)ether	"	ND	-----	4.81	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	"	ND	-----	9.62	"	"	"	"	"	
2-Chloronaphthalene	"	ND	-----	4.81	"	"	"	"	"	
2-Chlorophenol	"	ND	-----	4.81	"	"	"	"	"	
4-Chlorophenyl phenyl ether	"	ND	-----	4.81	"	"	"	"	"	
Chrysene	"	ND	-----	4.81	"	"	"	"	"	
Di-n-butyl phthalate	"	ND	-----	4.81	"	"	"	"	"	
Di-n-octyl phthalate	"	ND	-----	4.81	"	"	"	"	"	
Dibenzo (a,h) anthracene	"	ND	-----	4.81	"	"	"	"	"	
Dibenzofuran	"	ND	-----	4.81	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	-----	4.81	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	-----	4.81	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	-----	4.81	"	"	"	"	"	
3,3´-Dichlorobenzidine	"	ND	-----	4.81	"	"	"	"	"	
2,4-Dichlorophenol	"	ND	-----	4.81	"	"	"	"	"	
Diethyl phthalate	"	ND	-----	4.81	"	"	"	"	"	
2,4-Dimethylphenol	"	ND	-----	9.62	"	"	"	"	"	
Dimethyl phthalate	"	ND	-----	4.81	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	"	ND	-----	9.62	"	"	"	"	"	
2,4-Dinitrophenol	"	ND	-----	24.0	"	"	"	"	"	
2,4-Dinitrotoluene	"	ND	-----	4.81	"	"	"	"	"	
2,6-Dinitrotoluene	"	ND	-----	4.81	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	"	ND	-----	9.62	"	"	"	"	"	
Fluoranthene	"	ND	-----	4.81	"	"	"	"	"	
Fluorene	"	ND	-----	4.81	"	"	"	"	"	
Hexachlorobenzene	"	ND	-----	4.81	"	"	"	"	"	
Hexachlorobutadiene	"	ND	-----	9.62	"	"	"	"	"	
Hexachlorocyclopentadiene	"	ND	-----	9.62	"	"	"	"	"	
Hexachloroethane	"	ND	-----	9.62	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	-----	4.81	"	"	"	"	"	
Isophorone	"	ND	-----	4.81	"	"	"	"	"	
2-Methylnaphthalene	"	ND	-----	4.81	"	"	"	"	"	
2-Methylphenol	"	ND	-----	9.62	"	"	"	"	"	
3-,4-Methylphenol	"	ND	-----	4.81	"	"	"	"	"	
Naphthalene	"	ND	-----	4.81	"	"	"	"	"	
2-Nitroaniline	"	ND	-----	4.81	"	"	"	"	"	
3-Nitroaniline	"	ND	-----	9.62	"	"	"	"	"	
4-Nitroaniline	"	ND	-----	9.62	"	"	"	"	"	
Nitrobenzene	"	ND	-----	4.81	"	"	"	"	"	
2-Nitrophenol	"	ND	-----	4.81	"	"	"	"	"	

TestAmerica - Portland, OR

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.

Roxanne L. Clifton, Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Cambria Environmental	Project Name:	**Chevron 100-1467**	
2828 N Speer Blvd - Suite 140	Project Number:	None	Report Created:
Denver, CO 80211	Project Manager:	Andrew Ellsmore	10/14/06 13:27

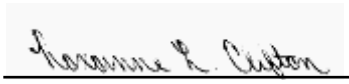
Semivolatile Organic Compounds per EPA Method 8270C

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PPI1309-05 (Dup-1)		**Water**			**Sampled: 09/25/06 00:00**					
4-Nitrophenol	EPA 8270C	ND	-----	24.0	ug/l	1x	6100064	10/02/06 18:15	10/06/06 23:45	
N-Nitrosodi-n-propylamine	"	ND	-----	9.62	"	"	"	"	"	
N-Nitrosodiphenylamine	"	ND	-----	4.81	"	"	"	"	"	
Pentachlorophenol	"	ND	-----	9.62	"	"	"	"	"	
Phenanthrene	"	ND	-----	4.81	"	"	"	"	"	
Phenol	"	ND	-----	4.81	"	"	"	"	"	
Pyrene	"	ND	-----	4.81	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	-----	4.81	"	"	"	"	"	
2,4,5-Trichlorophenol	"	ND	-----	4.81	"	"	"	"	"	
2,4,6-Trichlorophenol	"	ND	-----	4.81	"	"	"	"	"	
Surrogate(s): 2-Fluorobiphenyl			*72.5%*		*22 - 120 %*	"			"	
2-Fluorophenol			*60.3%*		*5 - 120 %*	"			"	
Nitrobenzene-d5			*84.9%*		*26 - 127 %*	"			"	
Phenol-d6			*73.6%*		*4 - 121 %*	"			"	
p-Terphenyl-d14			*73.6%*		*37 - 130 %*	"			"	
2,4,6-Tribromophenol			*87.5%*		*21 - 129 %*	"			"	
PPI1309-08 (Trip Blank)		**Water**			**Sampled: 09/25/06 00:00**					
Acenaphthene	EPA 8270C	ND	-----	4.81	ug/l	1x	6100064	10/02/06 18:15	10/07/06 00:29	
Acenaphthylene	"	ND	-----	4.81	"	"	"	"	"	
Anthracene	"	ND	-----	4.81	"	"	"	"	"	
Benzo (a) anthracene	"	ND	-----	4.81	"	"	"	"	"	
Benzo (a) pyrene	"	ND	-----	4.81	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	-----	4.81	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	-----	4.81	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	-----	4.81	"	"	"	"	"	
Benzoic Acid	"	ND	-----	48.1	"	"	"	"	"	
Benzyl alcohol	"	ND	-----	9.62	"	"	"	"	"	
4-Bromophenyl phenyl ether	"	ND	-----	4.81	"	"	"	"	"	
Butyl benzyl phthalate	"	ND	-----	4.81	"	"	"	"	"	
4-Chloro-3-methylphenol	"	ND	-----	4.81	"	"	"	"	"	
4-Chloroaniline	"	ND	-----	19.2	"	"	"	"	"	
Bis(2-chloroethoxy)methane	"	ND	-----	9.62	"	"	"	"	"	
Bis(2-chloroethyl)ether	"	ND	-----	4.81	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	"	ND	-----	9.62	"	"	"	"	"	
2-Chloronaphthalene	"	ND	-----	4.81	"	"	"	"	"	
2-Chlorophenol	"	ND	-----	4.81	"	"	"	"	"	
4-Chlorophenyl phenyl ether	"	ND	-----	4.81	"	"	"	"	"	
Chrysene	"	ND	-----	4.81	"	"	"	"	"	
Di-n-butyl phthalate	"	ND	-----	4.81	"	"	"	"	"	
Di-n-octyl phthalate	"	ND	-----	4.81	"	"	"	"	"	
Dibenzo (a,h) anthracene	"	ND	-----	4.81	"	"	"	"	"	

TestAmerica - Portland, OR

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.



Roxanne L. Clifton, Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Cambria Environmental	Project Name:	**Chevron 100-1467**	
2828 N Speer Blvd - Suite 140	Project Number:	None	Report Created:
Denver, CO 80211	Project Manager:	Andrew Ellsmore	10/14/06 13:27

Semivolatile Organic Compounds per EPA Method 8270C

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PPI1309-08 (Trip Blank)		**Water**			**Sampled: 09/25/06 00:00**					
Dibenzofuran	EPA 8270C	ND	-----	4.81	ug/l	1x	6100064	10/02/06 18:15	10/07/06 00:29	
1,2-Dichlorobenzene	"	ND	-----	4.81	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	-----	4.81	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	-----	4.81	"	"	"	"	"	
3,3´-Dichlorobenzidine	"	ND	-----	4.81	"	"	"	"	"	
2,4-Dichlorophenol	"	ND	-----	4.81	"	"	"	"	"	
Diethyl phthalate	"	ND	-----	4.81	"	"	"	"	"	
2,4-Dimethylphenol	"	ND	-----	9.62	"	"	"	"	"	
Dimethyl phthalate	"	ND	-----	4.81	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	"	ND	-----	9.62	"	"	"	"	"	
2,4-Dinitrophenol	"	ND	-----	24.0	"	"	"	"	"	
2,4-Dinitrotoluene	"	ND	-----	4.81	"	"	"	"	"	
2,6-Dinitrotoluene	"	ND	-----	4.81	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	"	ND	-----	9.62	"	"	"	"	"	
Fluoranthene	"	ND	-----	4.81	"	"	"	"	"	
Fluorene	"	ND	-----	4.81	"	"	"	"	"	
Hexachlorobenzene	"	ND	-----	4.81	"	"	"	"	"	
Hexachlorobutadiene	"	ND	-----	9.62	"	"	"	"	"	
Hexachlorocyclopentadiene	"	ND	-----	9.62	"	"	"	"	"	
Hexachloroethane	"	ND	-----	9.62	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	-----	4.81	"	"	"	"	"	
Isophorone	"	ND	-----	4.81	"	"	"	"	"	
2-Methylnaphthalene	"	ND	-----	4.81	"	"	"	"	"	
2-Methylphenol	"	ND	-----	9.62	"	"	"	"	"	
3-,4-Methylphenol	"	ND	-----	4.81	"	"	"	"	"	
Naphthalene	"	ND	-----	4.81	"	"	"	"	"	
2-Nitroaniline	"	ND	-----	4.81	"	"	"	"	"	
3-Nitroaniline	"	ND	-----	9.62	"	"	"	"	"	
4-Nitroaniline	"	ND	-----	9.62	"	"	"	"	"	
Nitrobenzene	"	ND	-----	4.81	"	"	"	"	"	
2-Nitrophenol	"	ND	-----	4.81	"	"	"	"	"	
4-Nitrophenol	"	ND	-----	24.0	"	"	"	"	"	
N-Nitrosodi-n-propylamine	"	ND	-----	9.62	"	"	"	"	"	
N-Nitrosodiphenylamine	"	ND	-----	4.81	"	"	"	"	"	
Pentachlorophenol	"	ND	-----	9.62	"	"	"	"	"	
Phenanthrene	"	ND	-----	4.81	"	"	"	"	"	
Phenol	"	ND	-----	4.81	"	"	"	"	"	
Pyrene	"	ND	-----	4.81	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	-----	4.81	"	"	"	"	"	
2,4,5-Trichlorophenol	"	ND	-----	4.81	"	"	"	"	"	
2,4,6-Trichlorophenol	"	ND	-----	4.81	"	"	"	"	"	
Surrogate(s): 2-Fluorobiphenyl		*78.2%*			*22 - 120 %*	"			"	

TestAmerica - Portland, OR

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.

Roxanne L. Clifton, Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Cambria Environmental	Project Name:	**Chevron 100-1467**	
2828 N Speer Blvd - Suite 140	Project Number:	None	Report Created:
Denver, CO 80211	Project Manager:	Andrew Ellsmore	10/14/06 13:27

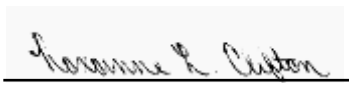
Semivolatile Organic Compounds per EPA Method 8270C

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PPI1309-08 (Trip Blank)		**Water**			**Sampled: 09/25/06 00:00**					
2-Fluorophenol		*59.9%*			*5 - 120 %*	*1x*			*10/07/06 00:29*	
Nitrobenzene-d5		*95.7%*			*26 - 127 %*	*"*			*"*	
Phenol-d6		*77.1%*			*4 - 121 %*	*"*			*"*	
p-Terphenyl-d14		*93.9%*			*37 - 130 %*	*"*			*"*	
2,4,6-Tribromophenol		*82.6%*			*21 - 129 %*	*"*			*"*	

TestAmerica - Portland, OR

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.



Roxanne L. Clifton, Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Cambria Environmental	Project Name:	**Chevron 100-1467**	
2828 N Speer Blvd - Suite 140	Project Number:	None	Report Created:
Denver, CO 80211	Project Manager:	Andrew Ellsmore	10/14/06 13:27

Polynuclear Aromatic Compounds per EPA 8270M-SIM

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PPI1309-06 (Seep-1)		**Water**			**Sampled: 09/25/06 12:00**					
Acenaphthene	EPA 8270m	ND	-----	0.0943	ug/l	1x	6100062	10/02/06 18:15	10/05/06 16:54	
Acenaphthylene	"	ND	-----	0.0943	"	"	"	"	"	
Anthracene	"	ND	-----	0.0943	"	"	"	"	"	
Benzo (a) anthracene	"	ND	-----	0.0943	"	"	"	"	"	
Benzo (a) pyrene	"	ND	-----	0.0943	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	-----	0.0943	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	-----	0.0943	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	-----	0.0943	"	"	"	"	"	
Chrysene	"	ND	-----	0.0943	"	"	"	"	"	
Dibenzo (a,h) anthracene	"	ND	-----	0.189	"	"	"	"	"	
Fluoranthene	"	ND	-----	0.0943	"	"	"	"	"	
Fluorene	"	ND	-----	0.0943	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	-----	0.0943	"	"	"	"	"	
Naphthalene	"	ND	-----	0.0943	"	"	"	"	"	
Phenanthrene	"	ND	-----	0.0943	"	"	"	"	"	
Pyrene	"	ND	-----	0.0943	"	"	"	"	"	
Surrogate(s): *Fluorene-d10*			*91.9%*		*25 - 125 %*	"			"	
Pyrene-d10			*81.4%*		*23 - 150 %*	"			"	
Benzo (a) pyrene-d12			*77.5%*		*10 - 125 %*	"			"	
PPI1309-07 (Seep-2)		**Water**			**Sampled: 09/25/06 12:15**					
Acenaphthene	EPA 8270m	ND	-----	0.0952	ug/l	1x	6100062	10/02/06 18:15	10/05/06 17:28	
Acenaphthylene	"	ND	-----	0.0952	"	"	"	"	"	
Anthracene	"	ND	-----	0.0952	"	"	"	"	"	
Benzo (a) anthracene	"	ND	-----	0.0952	"	"	"	"	"	
Benzo (a) pyrene	"	ND	-----	0.0952	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	-----	0.0952	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	-----	0.0952	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	-----	0.0952	"	"	"	"	"	
Chrysene	"	ND	-----	0.0952	"	"	"	"	"	
Dibenzo (a,h) anthracene	"	ND	-----	0.190	"	"	"	"	"	
Fluoranthene	"	ND	-----	0.0952	"	"	"	"	"	
Fluorene	"	ND	-----	0.0952	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	-----	0.0952	"	"	"	"	"	
Naphthalene	"	ND	-----	0.0952	"	"	"	"	"	
Phenanthrene	"	ND	-----	0.0952	"	"	"	"	"	
Pyrene	"	ND	-----	0.0952	"	"	"	"	"	
Surrogate(s): *Fluorene-d10*			*82.8%*		*25 - 125 %*	"			"	
Pyrene-d10			*75.6%*		*23 - 150 %*	"			"	
Benzo (a) pyrene-d12			*56.3%*		*10 - 125 %*	"			"	

TestAmerica - Portland, OR

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.

Roxanne L. Clifton, Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Cambria Environmental	Project Name:	**Chevron 100-1467**	
2828 N Speer Blvd - Suite 140	Project Number:	None	Report Created:
Denver, CO 80211	Project Manager:	Andrew Ellsmore	10/14/06 13:27

Gasoline Range Organics (C6-C10) and BTEX per AK101/8021B - Laboratory Quality Control Results

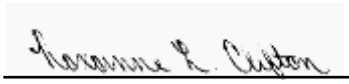
TestAmerica - Portland, OR

QC Batch: 6100103 **Water Preparation Method: EPA 5030B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6100103-BLK1)									**Extracted: 10/03/06 10:25**					
Gasoline Range Organics	AK101/8021 B	ND	---	80.0	ug/l	1x	--	--	--	--	--	--	10/03/06 11:03	
Benzene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Xylenes (total)	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Surrogate(s): 4-BFB (FID)		*Recovery: 93.6%*			*Limits: 60-120%*	"							*10/03/06 11:03*	
4-BFB (PID)		*98.8%*			*60-120%*	"							"	
LCS (6100103-BS1)									**Extracted: 10/03/06 10:25**					
Benzene	AK101/8021 B	18.3	---	0.500	ug/l	1x	--	20.0	91.5%	(70-130)	--	--	10/03/06 11:29	
Toluene	"	19.6	---	0.500	"	"	--	"	98.0%	(76-129)	--	--	"	
Ethylbenzene	"	18.8	---	0.500	"	"	--	"	94.0%	(82-130)	--	--	"	
Xylenes (total)	"	57.7	---	1.00	"	"	--	60.0	96.2%	(76-130)	--	--	"	
Surrogate(s): 4-BFB (FID)		*Recovery: 80.0%*			*Limits: 60-120%*	"							*10/03/06 11:29*	
LCS (6100103-BS2)									**Extracted: 10/03/06 10:25**					
Gasoline Range Organics	AK101/8021 B	432	---	80.0	ug/l	1x	--	500	86.4%	(60-120)	--	--	10/03/06 12:21	
Surrogate(s): 4-BFB (FID)		*Recovery: 79.2%*			*Limits: 60-120%*	"							*10/03/06 12:21*	
LCS Dup (6100103-BSD1)									**Extracted: 10/03/06 10:25**					
Benzene	AK101/8021 B	20.1	---	0.500	ug/l	1x	--	20.0	100%	(70-130)	9.38%	(20)	10/03/06 11:55	
Toluene	"	21.3	---	0.500	"	"	--	"	106%	(76-129)	8.31%	"	"	
Ethylbenzene	"	20.5	---	0.500	"	"	--	"	102%	(82-130)	8.65%	"	"	
Xylenes (total)	"	62.4	---	1.00	"	"	--	60.0	104%	(76-130)	7.83%	"	"	
Surrogate(s): 4-BFB (FID)		*Recovery: 90.8%*			*Limits: 60-120%*	"							*10/03/06 11:55*	
LCS Dup (6100103-BSD2)									**Extracted: 10/03/06 10:25**					
Gasoline Range Organics	AK101/8021 B	522	---	80.0	ug/l	1x	--	500	104%	(60-120)	18.9%	(20)	10/03/06 12:47	
Surrogate(s): 4-BFB (FID)		*Recovery: 92.6%*			*Limits: 60-120%*	"							*10/03/06 12:47*	
Duplicate (6100103-DUP1)							**QC Source: PPI1287-01**		**Extracted: 10/03/06 10:25**					
Gasoline Range Organics	AK101/8021 B	ND	---	80.0	ug/l	1x	ND	--	--	--	1.99%	(50)	10/03/06 14:08	
Surrogate(s): 4-BFB (FID)		*Recovery: 79.6%*			*Limits: 60-120%*	"							*10/03/06 14:08*	

TestAmerica - Portland, OR

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.



Roxanne L. Clifton, Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

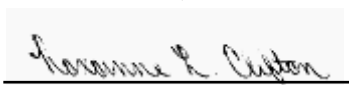
Cambria Environmental	Project Name:	**Chevron 100-1467**	
2828 N Speer Blvd - Suite 140	Project Number:	None	Report Created:
Denver, CO 80211	Project Manager:	Andrew Ellsmore	10/14/06 13:27

Gasoline Range Organics (C6-C10) and BTEX per AK101/8021B - Laboratory Quality Control Results

TestAmerica - Portland, OR

QC Batch: 6100103 **Water Preparation Method: EPA 5030B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Duplicate (6100103-DUP2)				**QC Source: PPI1287-04**				**Extracted: 10/03/06 10:25**						
Gasoline Range Organics	AK101/8021 B	ND	---	80.0	ug/l	1x	ND	--	--	--	0.379%	(50)	10/03/06 15:00	
Surrogate(s): 4-BFB (FID)		*Recovery: 86.2%*		*Limits: 60-120%*	*"*								*10/03/06 15:00*	
Matrix Spike (6100103-MS1)				**QC Source: PPI1309-04**				**Extracted: 10/03/06 10:25**						
Benzene	AK101/8021 B	20.0	---	0.500	ug/l	1x	0.188	20.0	99.1%	(65-144)	--	--	10/03/06 16:45	
Toluene	"	63.4	---	0.500	"	"	41.1	"	112%	(68-139)	--	--	"	
Ethylbenzene	"	20.4	---	0.500	"	"	0.514	"	99.4%	(69-144)	--	--	"	
Xylenes (total)	"	63.6	---	1.00	"	"	2.27	60.0	102%	(60-144)	--	--	"	
Surrogate(s): 4-BFB (PID)		*Recovery: 83.4%*		*Limits: 60-120%*	*"*								*10/03/06 16:45*	
Matrix Spike Dup (6100103-MSD1)				**QC Source: PPI1309-04**				**Extracted: 10/03/06 10:25**						
Benzene	AK101/8021 B	16.3	---	0.500	ug/l	1x	0.188	20.0	80.6%	(65-144)	20.4%	(20)	10/03/06 17:11	Q-01
Toluene	"	59.5	---	0.500	"	"	41.1	"	92.0%	(68-139)	6.35%	"	"	
Ethylbenzene	"	16.6	---	0.500	"	"	0.514	"	80.4%	(69-144)	20.5%	"	"	Q-01
Xylenes (total)	"	52.3	---	1.00	"	"	2.27	60.0	83.4%	(60-144)	19.5%	"	"	
Surrogate(s): 4-BFB (PID)		*Recovery: 83.2%*		*Limits: 60-120%*	*"*								*10/03/06 17:11*	



Roxanne L. Clifton, Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Cambria Environmental	Project Name:	**Chevron 100-1467**	
2828 N Speer Blvd - Suite 140	Project Number:	None	Report Created:
Denver, CO 80211	Project Manager:	Andrew Ellsmore	10/14/06 13:27

Diesel Range Organics (C10-C25) and Residual Range Organics (C25-C36) per AK102/103 Low Volume - Laboratory Quality Control Results

TestAmerica - Portland, OR

QC Batch: 6100012 **Water Preparation Method: EPA 3510 Fuels**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6100012-BLK1)							**Extracted: 10/02/06 13:30**							
Diesel Range Organics	AK102/103	ND	---	0.500	mg/l	1x	--	--	--	--	--	--	10/04/06 07:18	
Residual Range Organics	"	ND	---	0.600	"	"	--	--	--	--	--	--	"	
Surrogate(s): 1-Chlorooctadecane		*Recovery: 89.2%*			*Limits: 50-150%*	"							*10/04/06 07:18*	
Triacontane		*80.4%*			*50-150%*	"							"	
LCS (6100012-BS1)							**Extracted: 10/02/06 13:30**							
Diesel Range Organics	AK102/103	12.1	---	0.500	mg/l	1x	--	12.7	95.3%	(75-125)	--	--	10/04/06 06:08	
Residual Range Organics	"	7.84	---	0.600	"	"	--	7.70	102%	(60-120)	--	--	"	
Surrogate(s): 1-Chlorooctadecane		*Recovery: 111%*			*Limits: 60-120%*	"							*10/04/06 06:08*	
Triacontane		*87.7%*			*60-120%*	"							"	
LCS Dup (6100012-BSD1)							**Extracted: 10/02/06 13:30**							
Diesel Range Organics	AK102/103	11.4	---	0.500	mg/l	1x	--	12.7	89.8%	(75-125)	5.96%	(20)	10/04/06 06:43	
Residual Range Organics	"	7.57	---	0.600	"	"	--	7.70	98.3%	(60-120)	3.50%	"	"	
Surrogate(s): 1-Chlorooctadecane		*Recovery: 196%*			*Limits: 60-120%*	"							*10/04/06 06:43*	*A-01*
Triacontane		*84.2%*			*60-120%*	"							"	

TestAmerica - Portland, OR

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.

Roxanne L. Clifton, Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Cambria Environmental	Project Name:	**Chevron 100-1467**	
2828 N Speer Blvd - Suite 140	Project Number:	None	Report Created:
Denver, CO 80211	Project Manager:	Andrew Ellsmore	10/14/06 13:27

BTEX per EPA Method 8021B - Laboratory Quality Control Results

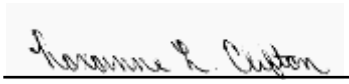
TestAmerica - Portland, OR

QC Batch: 6100103 **Water Preparation Method: EPA 5030B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6100103-BLK1)									**Extracted: 10/03/06 10:25**					
Benzene	EPA 8021B	ND	---	0.500	ug/l	1x	--	--	--	--	--	--	10/03/06 11:03	
Toluene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Xylenes (total)	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Surrogate(s): 4-BFB (PID)		*Recovery: 98.8%*			*Limits: 70-130%*	"							*10/03/06 11:03*	
LCS (6100103-BS1)									**Extracted: 10/03/06 10:25**					
Benzene	EPA 8021B	18.3	---	0.500	ug/l	1x	--	20.0	91.5%	(75-125)	--	--	10/03/06 11:29	
Toluene	"	19.6	---	0.500	"	"	--	"	98.0%	(80-120)	--	--	"	
Ethylbenzene	"	18.8	---	0.500	"	"	--	"	94.0%	(80-130)	--	--	"	
Xylenes (total)	"	57.7	---	1.00	"	"	--	60.0	96.2%	"	--	--	"	
Surrogate(s): 4-BFB (PID)		*Recovery: 80.0%*			*Limits: 70-130%*	"							*10/03/06 11:29*	
LCS Dup (6100103-BSD1)									**Extracted: 10/03/06 10:25**					
Benzene	EPA 8021B	20.1	---	0.500	ug/l	1x	--	20.0	100%	(75-125)	9.38%	(20)	10/03/06 11:55	
Toluene	"	21.3	---	0.500	"	"	--	"	106%	(80-120)	8.31%	"	"	
Ethylbenzene	"	20.5	---	0.500	"	"	--	"	102%	(80-130)	8.65%	"	"	
Xylenes (total)	"	62.4	---	1.00	"	"	--	60.0	104%	"	7.83%	"	"	
Surrogate(s): 4-BFB (PID)		*Recovery: 90.8%*			*Limits: 70-130%*	"							*10/03/06 11:55*	
Matrix Spike (6100103-MS1)							**QC Source: PPI1309-04**		**Extracted: 10/03/06 10:25**					
Benzene	EPA 8021B	20.0	---	0.500	ug/l	1x	0.188	20.0	99.1%	(65-144)	--	--	10/03/06 16:45	
Toluene	"	63.4	---	0.500	"	"	41.1	"	112%	(70-135)	--	--	"	
Ethylbenzene	"	20.4	---	0.500	"	"	0.514	"	99.4%	(65-145)	--	--	"	
Xylenes (total)	"	63.6	---	1.00	"	"	2.27	60.0	102%	(60-145)	--	--	"	
Surrogate(s): 4-BFB (PID)		*Recovery: 83.4%*			*Limits: 70-130%*	"							*10/03/06 16:45*	
Matrix Spike Dup (6100103-MSD1)							**QC Source: PPI1309-04**		**Extracted: 10/03/06 10:25**					
Benzene	EPA 8021B	16.3	---	0.500	ug/l	1x	0.188	20.0	80.6%	(65-144)	20.4%	(20)	10/03/06 17:11	Q-01
Toluene	"	59.5	---	0.500	"	"	41.1	"	92.0%	(70-135)	6.35%	"	"	
Ethylbenzene	"	16.6	---	0.500	"	"	0.514	"	80.4%	(65-145)	20.5%	"	"	Q-01
Xylenes (total)	"	52.3	---	1.00	"	"	2.27	60.0	83.4%	(60-145)	19.5%	"	"	
Surrogate(s): 4-BFB (PID)		*Recovery: 83.2%*			*Limits: 70-130%*	"							*10/03/06 17:11*	

TestAmerica - Portland, OR

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.



Roxanne L. Clifton, Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Cambria Environmental	Project Name:	**Chevron 100-1467**	
2828 N Speer Blvd - Suite 140	Project Number:	None	Report Created:
Denver, CO 80211	Project Manager:	Andrew Ellsmore	10/14/06 13:27

Volatile Organic Compounds per EPA Method 8260B - Laboratory Quality Control Results

TestAmerica - Portland, OR

QC Batch: 6100286 **Water Preparation Method: EPA 5030B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6100286-BLK1)								**Extracted: 10/05/06 15:57**						
Acetone	EPA 8260B	ND	---	25.0	ug/l	1x	--	--	--	--	--	--	10/05/06 18:52	
Benzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Bromobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Bromochloromethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Bromodichloromethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Bromoform	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Bromomethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
2-Butanone (MEK)	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
n-Butylbenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
sec-Butylbenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
tert-Butylbenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Carbon disulfide	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Carbon tetrachloride	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Chlorobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Chloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Chloroform	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Chloromethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
2-Chlorotoluene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
4-Chlorotoluene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2-Dibromo-3-chloropropane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Dibromochloromethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2-Dibromoethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Dibromomethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2-Dichlorobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,3-Dichlorobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,4-Dichlorobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Dichlorodifluoromethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2-Dichloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
cis-1,2-Dichloroethene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
trans-1,2-Dichloroethene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2-Dichloropropane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,3-Dichloropropane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
2,2-Dichloropropane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,1-Dichloropropene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
cis-1,3-Dichloropropene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
trans-1,3-Dichloropropene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	

TestAmerica - Portland, OR

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.

Roxanne L. Clifton, Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Cambria Environmental	Project Name:	**Chevron 100-1467**	
2828 N Speer Blvd - Suite 140	Project Number:	None	Report Created:
Denver, CO 80211	Project Manager:	Andrew Ellsmore	10/14/06 13:27

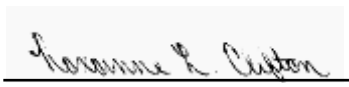
Volatile Organic Compounds per EPA Method 8260B - Laboratory Quality Control Results

TestAmerica - Portland, OR

QC Batch: 6100286 **Water Preparation Method: EPA 5030B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6100286-BLK1)							**Extracted: 10/05/06 15:57**							
Hexachlorobutadiene	EPA 8260B	ND	---	4.00	ug/l	1x	--	--	--	--	--	--	10/05/06 18:52	
2-Hexanone	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Isopropylbenzene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
p-Isopropyltoluene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
4-Methyl-2-pentanone	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Methyl tert-butyl ether	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Methylene chloride	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
n-Propylbenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Styrene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,1,1,2-Tetrachloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,1,2,2-Tetrachloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Tetrachloroethene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2,3-Trichlorobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2,4-Trichlorobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,1,1-Trichloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,1,2-Trichloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Trichloroethene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Trichlorofluoromethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2,3-Trichloropropane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2,4-Trimethylbenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,3,5-Trimethylbenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Vinyl chloride	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
o-Xylene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
m,p-Xylene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	

Surrogate(s):	*4-BFB*	*Recovery:*	*103%*	*Limits:*	*80-120%*	*" 10/05/06 18:52*
	1,2-DCA-d4		*94.5%*		*80-120%*	*" "*
	Dibromofluoromethane		*97.5%*		*80-120%*	*" "*
	Toluene-d8		*103%*		*80-120%*	*" "*



Roxanne L. Clifton, Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Cambria Environmental	Project Name:	**Chevron 100-1467**	
2828 N Speer Blvd - Suite 140	Project Number:	None	Report Created:
Denver, CO 80211	Project Manager:	Andrew Ellsmore	10/14/06 13:27

Volatile Organic Compounds per EPA Method 8260B - Laboratory Quality Control Results

TestAmerica - Portland, OR

QC Batch: 6100286 **Water Preparation Method: EPA 5030B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS (6100286-BS1)								**Extracted: 10/05/06 15:57**						
Benzene	EPA 8260B	20.0	---	1.00	ug/l	1x	--	20.0	100%	(80-120)	--	--	10/05/06 17:05	
Chlorobenzene	"	19.6	---	1.00	"	"	--	"	98.0%	(80-124)	--	--	"	
1,1-Dichloroethene	"	19.2	---	1.00	"	"	--	"	96.0%	(78-120)	--	--	"	
Toluene	"	20.3	---	1.00	"	"	--	"	102%	(80-124)	--	--	"	
Trichloroethene	"	22.0	---	1.00	"	"	--	"	110%	(80-132)	--	--	"	
Surrogate(s): 4-BFB		*Recovery: 108%*			*Limits: 80-120%*	"							*10/05/06 17:05*	
1,2-DCA-d4		*95.0%*			*80-120%*	"							"	
Dibromofluoromethane		*97.5%*			*80-120%*	"							"	
Toluene-d8		*99.0%*			*80-120%*	"							"	
Matrix Spike (6100286-MS1)					**QC Source: PPI1103-01**			**Extracted: 10/05/06 15:57**						
Benzene	EPA 8260B	18.9	---	1.00	ug/l	1x	ND	20.0	94.5%	(80-124)	--	--	10/05/06 17:32	
Chlorobenzene	"	18.9	---	1.00	"	"	ND	"	94.5%	(72.9-134)	--	--	"	
1,1-Dichloroethene	"	18.2	---	1.00	"	"	ND	"	91.0%	(79.3-127)	--	--	"	
Toluene	"	18.9	---	1.00	"	"	ND	"	94.5%	(79.7-131)	--	--	"	
Trichloroethene	"	18.3	---	1.00	"	"	ND	"	91.5%	(68.4-130)	--	--	"	
Surrogate(s): 4-BFB		*Recovery: 104%*			*Limits: 80-120%*	"							*10/05/06 17:32*	
1,2-DCA-d4		*97.0%*			*80-120%*	"							"	
Dibromofluoromethane		*99.0%*			*80-120%*	"							"	
Toluene-d8		*100%*			*80-120%*	"							"	
Matrix Spike Dup (6100286-MSD1)					**QC Source: PPI1103-01**			**Extracted: 10/05/06 15:57**						
Benzene	EPA 8260B	18.6	---	1.00	ug/l	1x	ND	20.0	93.0%	(80-124)	1.60%	(25)	10/05/06 17:59	
Chlorobenzene	"	18.9	---	1.00	"	"	ND	"	94.5%	(72.9-134)	0.00%	"	"	
1,1-Dichloroethene	"	18.0	---	1.00	"	"	ND	"	90.0%	(79.3-127)	1.10%	"	"	
Toluene	"	18.8	---	1.00	"	"	ND	"	94.0%	(79.7-131)	0.531%	"	"	
Trichloroethene	"	18.2	---	1.00	"	"	ND	"	91.0%	(68.4-130)	0.548%	"	"	
Surrogate(s): 4-BFB		*Recovery: 105%*			*Limits: 80-120%*	"							*10/05/06 17:59*	
1,2-DCA-d4		*93.0%*			*80-120%*	"							"	
Dibromofluoromethane		*95.5%*			*80-120%*	"							"	
Toluene-d8		*98.0%*			*80-120%*	"							"	

TestAmerica - Portland, OR

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.

Roxanne L. Clifton, Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Cambria Environmental	Project Name:	**Chevron 100-1467**	
2828 N Speer Blvd - Suite 140	Project Number:	None	Report Created:
Denver, CO 80211	Project Manager:	Andrew Ellsmore	10/14/06 13:27

Semivolatile Organic Compounds per EPA Method 8270C - Laboratory Quality Control Results

TestAmerica - Portland, OR

QC Batch: 6100064 **Water Preparation Method: 3520B Liq-Liq**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6100064-BLK1)								**Extracted: 10/02/06 18:15**						
Acenaphthene	EPA 8270C	ND	---	5.00	ug/l	1x	--	--	--	--	--	--	10/04/06 22:50	
Acenaphthylene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Anthracene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Benzo (a) anthracene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Benzo (a) pyrene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Benzo (b) fluoranthene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Benzo (ghi) perylene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Benzo (k) fluoranthene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Benzoic Acid	"	ND	---	50.0	"	"	--	--	--	--	--	--	"	
Benzyl alcohol	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
4-Bromophenyl phenyl ether	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Butyl benzyl phthalate	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
4-Chloro-3-methylphenol	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
4-Chloroaniline	"	ND	---	20.0	"	"	--	--	--	--	--	--	"	
Bis(2-chloroethoxy)methane	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Bis(2-chloroethyl)ether	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Bis(2-chloroisopropyl)ether	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
2-Chloronaphthalene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
2-Chlorophenol	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
4-Chlorophenyl phenyl ether	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Chrysene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Di-n-butyl phthalate	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Di-n-octyl phthalate	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Dibenzo (a,h) anthracene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Dibenzofuran	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,2-Dichlorobenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,3-Dichlorobenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,4-Dichlorobenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
3,3´-Dichlorobenzidine	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
2,4-Dichlorophenol	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Diethyl phthalate	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
2,4-Dimethylphenol	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Dimethyl phthalate	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
4,6-Dinitro-2-methylphenol	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
2,4-Dinitrophenol	"	ND	---	25.0	"	"	--	--	--	--	--	--	"	
2,4-Dinitrotoluene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
2,6-Dinitrotoluene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Bis(2-ethylhexyl)phthalate	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Fluoranthene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	

TestAmerica - Portland, OR

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.

Roxanne L. Clifton, Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Cambria Environmental	Project Name:	**Chevron 100-1467**	
2828 N Speer Blvd - Suite 140	Project Number:	None	Report Created:
Denver, CO 80211	Project Manager:	Andrew Ellsmore	10/14/06 13:27

Semivolatile Organic Compounds per EPA Method 8270C - Laboratory Quality Control Results

TestAmerica - Portland, OR

QC Batch: 6100064 **Water Preparation Method: 3520B Liq-Liq**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6100064-BLK1)							**Extracted: 10/02/06 18:15**							
Fluorene	EPA 8270C	ND	---	5.00	ug/l	1x	--	--	--	--	--	--	10/04/06 22:50	
Hexachlorobenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Hexachlorobutadiene	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Hexachlorocyclopentadiene	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Hexachloroethane	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Indeno (1,2,3-cd) pyrene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Isophorone	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
2-Methylnaphthalene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
2-Methylphenol	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
3-,4-Methylphenol	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
2-Nitroaniline	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
3-Nitroaniline	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
4-Nitroaniline	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Nitrobenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
2-Nitrophenol	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
4-Nitrophenol	"	ND	---	25.0	"	"	--	--	--	--	--	--	"	
N-Nitrosodi-n-propylamine	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
N-Nitrosodiphenylamine	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Pentachlorophenol	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Phenanthrene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Phenol	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Pyrene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,2,4-Trichlorobenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
2,4,5-Trichlorophenol	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
2,4,6-Trichlorophenol	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	

Surrogate(s):	*2-Fluorobiphenyl*	*Recovery: 55.6%*	*Limits: 22-120%*	"	*10/04/06 22:50*
	2-Fluorophenol	*49.0%*	*5-120%*	"	"
	Nitrobenzene-d5	*76.8%*	*26-127%*	"	"
	Phenol-d6	*67.3%*	*4-121%*	"	"
	p-Terphenyl-d14	*84.7%*	*37-130%*	"	"
	2,4,6-Tribromophenol	*76.0%*	*21-129%*	"	"

TestAmerica - Portland, OR

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.

Roxanne L. Clifton, Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Cambria Environmental	Project Name:	**Chevron 100-1467**	
2828 N Speer Blvd - Suite 140	Project Number:	None	Report Created:
Denver, CO 80211	Project Manager:	Andrew Ellsmore	10/14/06 13:27

Semivolatile Organic Compounds per EPA Method 8270C - Laboratory Quality Control Results

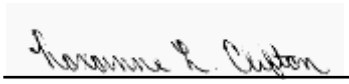
TestAmerica - Portland, OR

QC Batch: 6100064 **Water Preparation Method: 3520B Liq-Liq**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS (6100064-BS1)								**Extracted: 10/02/06 18:15**						
Acenaphthene	EPA 8270C	39.4	---	5.00	ug/l	1x	--	50.0	78.8%	(56-120)	--	--	10/04/06 23:34	
4-Chloro-3-methylphenol	"	34.2	---	5.00	"	"	--	"	68.4%	(37-131)	--	--	"	
2-Chlorophenol	"	24.4	---	5.00	"	"	--	"	48.8%	(31-130)	--	--	"	
1,4-Dichlorobenzene	"	26.5	---	5.00	"	"	--	"	53.0%	(8-124)	--	--	"	
2,4-Dinitrotoluene	"	40.4	---	5.00	"	"	--	"	80.8%	(50-127)	--	--	"	
4-Nitrophenol	"	40.6	---	25.0	"	"	--	"	81.2%	(1-157)	--	--	"	
N-Nitrosodi-n-propylamine	"	38.2	---	10.0	"	"	--	"	76.4%	(44-129)	--	--	"	
Pentachlorophenol	"	43.4	---	10.0	"	"	--	"	86.8%	(23-149)	--	--	"	
Phenol	"	24.8	---	5.00	"	"	--	"	49.6%	(1-145)	--	--	"	
Pyrene	"	41.6	---	5.00	"	"	--	"	83.2%	(56-125)	--	--	"	
1,2,4-Trichlorobenzene	"	33.0	---	5.00	"	"	--	"	66.0%	(33-116)	--	--	"	
Surrogate(s): *2-Fluorobiphenyl*		*Recovery: 62.5%*			*Limits: 22-120%*	"							*10/04/06 23:34*	
2-Fluorophenol		*31.9%*			*5-120%*	"							"	
Nitrobenzene-d5		*73.7%*			*26-127%*	"							"	
Phenol-d6		*47.9%*			*4-121%*	"							"	
p-Terphenyl-d14		*82.4%*			*37-130%*	"							"	
2,4,6-Tribromophenol		*67.3%*			*21-129%*	"							"	
LCS Dup (6100064-BSD1)								**Extracted: 10/02/06 18:15**						
Acenaphthene	EPA 8270C	42.5	---	5.00	ug/l	1x	--	50.0	85.0%	(56-120)	7.57%	(50)	10/05/06 00:19	
4-Chloro-3-methylphenol	"	41.0	---	5.00	"	"	--	"	82.0%	(37-131)	18.1%	"	"	
2-Chlorophenol	"	33.8	---	5.00	"	"	--	"	67.6%	(31-130)	32.3%	"	"	
1,4-Dichlorobenzene	"	29.4	---	5.00	"	"	--	"	58.8%	(8-124)	10.4%	"	"	
2,4-Dinitrotoluene	"	45.4	---	5.00	"	"	--	"	90.8%	(50-127)	11.7%	"	"	
4-Nitrophenol	"	47.2	---	25.0	"	"	--	"	94.4%	(1-157)	15.0%	"	"	
N-Nitrosodi-n-propylamine	"	41.1	---	10.0	"	"	--	"	82.2%	(44-129)	7.31%	"	"	
Pentachlorophenol	"	52.4	---	10.0	"	"	--	"	105%	(23-149)	18.8%	"	"	
Phenol	"	30.8	---	5.00	"	"	--	"	61.6%	(1-145)	21.6%	"	"	
Pyrene	"	44.7	---	5.00	"	"	--	"	89.4%	(56-125)	7.18%	"	"	
1,2,4-Trichlorobenzene	"	37.2	---	5.00	"	"	--	"	74.4%	(33-116)	12.0%	"	"	
Surrogate(s): *2-Fluorobiphenyl*		*Recovery: 72.0%*			*Limits: 22-120%*	"							*10/05/06 00:19*	
2-Fluorophenol		*45.6%*			*5-120%*	"							"	
Nitrobenzene-d5		*78.7%*			*26-127%*	"							"	
Phenol-d6		*62.3%*			*4-121%*	"							"	
p-Terphenyl-d14		*88.0%*			*37-130%*	"							"	
2,4,6-Tribromophenol		*80.7%*			*21-129%*	"							"	

TestAmerica - Portland, OR

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.



Roxanne L. Clifton, Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

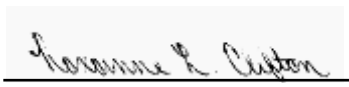
Cambria Environmental	Project Name:	**Chevron 100-1467**	
2828 N Speer Blvd - Suite 140	Project Number:	None	Report Created:
Denver, CO 80211	Project Manager:	Andrew Ellsmore	10/14/06 13:27

Polynuclear Aromatic Compounds per EPA 8270M-SIM - Laboratory Quality Control Results

TestAmerica - Portland, OR

QC Batch: 6100062 **Water Preparation Method: 3520B Liq-Liq**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6100062-BLK1)							**Extracted: 10/02/06 18:15**							
Acenaphthene	EPA 8270m	ND	---	0.100	ug/l	1x	--	--	--	--	--	--	10/05/06 14:47	
Acenaphthylene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Anthracene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Benzo (a) anthracene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Benzo (a) pyrene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Benzo (b) fluoranthene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Benzo (ghi) perylene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Benzo (k) fluoranthene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Chrysene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Dibenzo (a,h) anthracene	"	ND	---	0.200	"	"	--	--	--	--	--	--	"	
Fluoranthene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Fluorene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Indeno (1,2,3-cd) pyrene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Phenanthrene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Pyrene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Surrogate(s): Fluorene-d10		*Recovery: 102%*			*Limits: 25-125%*	"							*10/05/06 14:47*	
Pyrene-d10		*107%*			*23-150%*	"							"	
Benzo (a) pyrene-d12		*104%*			*10-125%*	"							"	
LCS (6100062-BS1)							**Extracted: 10/02/06 18:15**							
Acenaphthene	EPA 8270m	2.24	---	0.100	ug/l	1x	--	2.50	89.6%	(26-135)	--	--	10/05/06 13:51	
Benzo (a) pyrene	"	2.23	---	0.100	"	"	--	"	89.2%	(38-137)	--	--	"	
Pyrene	"	2.22	---	0.100	"	"	--	"	88.8%	(33-133)	--	--	"	
Surrogate(s): Fluorene-d10		*Recovery: 100%*			*Limits: 25-125%*	"							*10/05/06 13:51*	
Pyrene-d10		*103%*			*23-150%*	"							"	
Benzo (a) pyrene-d12		*104%*			*10-125%*	"							"	
LCS Dup (6100062-BSD1)							**Extracted: 10/02/06 18:15**							
Acenaphthene	EPA 8270m	2.23	---	0.100	ug/l	1x	--	2.50	89.2%	(26-135)	0.447%	(60)	10/05/06 14:19	
Benzo (a) pyrene	"	2.21	---	0.100	"	"	--	"	88.4%	(38-137)	0.901%	"	"	
Pyrene	"	2.17	---	0.100	"	"	--	"	86.8%	(33-133)	2.28%	"	"	
Surrogate(s): Fluorene-d10		*Recovery: 101%*			*Limits: 25-125%*	"							*10/05/06 14:19*	
Pyrene-d10		*99.6%*			*23-150%*	"							"	
Benzo (a) pyrene-d12		*101%*			*10-125%*	"							"	



Roxanne L. Clifton, Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Cambria Environmental	Project Name:	**Chevron 100-1467**	
2828 N Speer Blvd - Suite 140	Project Number:	None	Report Created:
Denver, CO 80211	Project Manager:	Andrew Ellsmore	10/14/06 13:27

Notes and Definitions

Report Specific Notes:

A-01 - Double surrogate- see Blank Spike.

Q-01 - The matrix spike recovery, and/or RPD, for this QC sample is outside of established control limits. Failure of a matrix spike QC sample does not represent an out-of-control condition for the batch.

Laboratory Reporting Conventions:

DET - Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only.

ND - Analyte NOT DETECTED at or above the reporting limit (MDL or MRL, as appropriate).

NR/NA - Not Reported / Not Available

dry - Sample results reported on a Dry Weight Basis. Results and Reporting Limits have been corrected for Percent Dry Weight.

wet - Sample results and reporting limits reported on a Wet Weight Basis (as received). Results with neither 'wet' nor 'dry' are reported on a Wet Weight Basis.

RPD - RELATIVE PERCENT DIFFERENCE (RPDs calculated using Results, not Percent Recoveries).

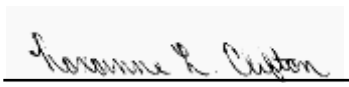
MRL - METHOD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.

MDL* - METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B. *MDLs are listed on the report only if the data has been evaluated below the MRL. Results between the MDL and MRL are reported as Estimated Results.

Dil - Dilutions are calculated based on deviations from the standard dilution performed for an analysis, and may not represent the dilution found on the analytical raw data.

Reporting Limits - Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and percent solids, where applicable.

Electronic Signature - Electronic Signature added in accordance with TestAmerica's *Electronic Reporting and Electronic Signatures Policy.* Application of electronic signature indicates that the report has been reviewed and approved for release by the laboratory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.



Roxanne L. Clifton, Project Manager

097, 098

TestAmerica
ANALYTICAL TESTING CORPORATION

11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244 425-420-9200 FAX 420-9210
11922 E. First Ave, Spokane, WA 99206-5302 509-924-9200 FAX 924-9290
9405 SW Nimbus Ave, Beaverton, OR 97008-7145 503-906-9200 FAX 906-9210
2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 907-563-9200 FAX 563-9210

CHAIN OF CUSTODY REPORT

Work Order #: PBI1309

CLIENT: Chevron

INVOICE TO:

REPORT TO: Cambria Environmental
ADDRESS: 2828 N. Speer Blvd., Suite 140
Denver, CO 80211
PHONE (303) 433-3912 FAX: (303) 433-3974

P.O. NUMBER:

PROJECT NAME: 100-1467

PROJECT NUMBER:

SAMPLED BY: N. Grece + A. Ellsmore

TURNAROUND REQUEST
in Business Days *
Organic & Inorganic Analyses: 10 STD. | 7 | 5 | 4 | 3 | 2 | 1 | <1
Petroleum Hydrocarbon Analyses: X STD. | 4 | 3 | 2 | 1 | <1
OTHER Specify:
* Turnaround Requests less than standard may incur Rush Charges.

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	PRESERVATIVE	REQUESTED ANALYSES: GRO (AK101)	DRO/RRO (AK102)	RRO (AK103)	BTEX (8021B)	VOC (8260)	MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	NCA WO ID
				H	H	H	H	H				
1	MW-2	9/25/06 1520		X	X	X	X		GW	5		
2	MW-4	9/25/06 1245			X	X			GW	2		
3	MW-5	9/25/06 1145					X		GW	3		
4	MW-6	9/25/06 1345		X	X	X	X	X	GW	8		
5	Dup-1	9/25/06 —		X	X	X	X	X	GW	8		
6	SEEP-1	9/25/06 1200					X		GW	3		
7	SEEP-2	9/25/06 1215					X		GW	3		
8	Trip Blank	—			X	X			—	1		
9	Trip Blank	—		X			X	X	—	3		
10												

RELEASED BY: [signature] DATE: 9/26/06
PRINT NAME: Nicolas Grece FIRM: Cambria Environmental TIME: 0930
RECEIVED BY: Johanna Dreier DATE: 09/27/06
PRINT NAME: Johanna Dreier FIRM: TA-AK TIME: 0950

RELEASED BY: Johanna Dreier DATE: 09/27/06
PRINT NAME: Johanna Dreier FIRM: TA-AK TIME: 1645
RECEIVED BY: [signature] DATE: 9/29/06
PRINT NAME: Cillie Parsloe FIRM: TAP TIME: 1400

ADDITIONAL REMARKS:

TEMP: 6.0 °C

COC REV 09/2004

PAGE OF

TestAmerica
ANALYTICAL TESTING CORPORATION

11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244 425-420-9200 FAX 420-9210
11922 E. First Ave, Spokane, WA 99206-5302 509-924-9200 FAX 924-9290
9405 SW Nimbus Ave, Beaverton, OR 97008-7145 503-906-9200 FAX 906-9210
2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 907-563-9200 FAX 563-9210

CHAIN OF CUSTODY REPORT

Work Order #: PPI1309

CLIENT: Chevron

INVOICE TO:

REPORT TO: Cambria Environmental
ADDRESS: 2320 N. Speer Blvd Suite 140
Denver, CO 80211
PHONE: (303) 433-3112 FAX: (303) 433-3974

P.O. NUMBER:

PROJECT NAME: 100-1467

PROJECT NUMBER:

SAMPLED BY: N. Greco - A. Ellsmore

TURNAROUND REQUEST
in Business Days *
Organic & Inorganic Analyses: 10 STD. | 7 | 5 | 4 | 3 | 2 | 1 | <1
Petroleum Hydrocarbon Analyses: X STD. | 4 | 3 | 2 | 1 | <1
OTHER Specify:
* *Turnaround Requests less than standard* **may incur Rush Charges.**

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	PRESERVATIVE: UP	UP	REQUESTED ANALYSES: PAHs (8270 SIM)	SVOC (8270)	MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	TA WO ID
1	SEEP-1	9/25/06 1200			X		GW	2		
2	SEEP-2	9/25/06 1215			X		GW	2		
3	MW-6	9/25/06 1345				X	GW	2		
4	Dup-1	9/25/06				X	GW	2		
5	Trip Blank	—			X	X	—	1		
6										
7										
8										
9										
10										

RELEASED BY: [signature] DATE: 9/26/06
PRINT NAME: Nicholas Greco FIRM: Cambria Environmental TIME: 0930
RECEIVED BY: Johanna Dreher DATE: 9/27/06
PRINT NAME: Johanna Dreher FIRM: TA-AK TIME: 0950
RELEASED BY: Johanna Dreher DATE: 09/27/06
PRINT NAME: Johanna Dreher FIRM: TA-AK TIME: 1645
RECEIVED BY: [signature] DATE: 9/29/06
PRINT NAME: [signature] FIRM: TAP TIME: 0900

ADDITIONAL REMARKS:

TEMP:

COC REV 05/2006

PAGE OF

Note: By relinquishing samples to TestAmerica, client agrees to pay for the services requested on this chain of custody form and for any additional analyses performed on this project.
Payment for services is due within 30 days from the date of invoice unless otherwise contracted. Sample(s) will be disposed of after 30 days unless otherwise contracted.

ATTACHMENT B

Well Sampling Forms

CAMBRIA

Groundwater Monitoring Field Sheet

Well ID	Time	DTP	DTW	Depth to Bottom	Product Thickness	Amount of Product Removed	Casing Diam.	Comments
MW-1	955		3.45	7.88				
* MW-2	1005		1.08	5.14				
* MW-4	1010		0.10	6.28				
* MW-5	1020		4.93	11.88				
* MW-6	1026		3.85	8.25				
MW-7	1029		3.58	8.17				
MW-8	1036		2.94	6.62				
MW-9	1040		3.02	8.68				

Project Name: 100-1467

Project Number/Task: 31J-2235/001

Technician: NG + AE

Date: 9/25/06

CAMBRIA

WELL SAMPLING FORM

Project Name: 100-1467	Cambria Mgr: **John Riggi**	Well ID: MW-2
Project Number: 31J-2235	Date: 9/25/06	Well Yield: ----------
Site Address: 1417 Peninsula Street Wrangell, AK	Sampling Method: **Low-Flow, Peristaltic Pump**	Well Diameter: 2"
		Technician(s): NG + AE
Initial Depth to Water: 1.08	Total Well Depth: 5.14	Water Column Height: 4.06
Pump Rate: ——— L/Min.	1 Casing Volume: 0.65 gal	Final DTW:
Purging Device: **Peristaltic Pump**	Did Well Dewater?: No	Total Gallons Purged:
Start Purge Time: 1450	Stop Purge Time: 1515	Total Time: 25 min

1 Casing Volume = Water column height x Volume/ ft.

Well Diam.	Volume/ft (gallons)
2"	0.16
4"	0.65
6"	1.47

Time	Depth to Water	Volume purged	Temp. °C	pH	Specif. Cond. µS	Turbidity	DO	ORP	Notes
1450	1.11	0							
1450	1.14	0.2	12.11	6.77	0.199	10.71	14.2	138.8	
1500	1.14	0.5	11.98	6.40	0.205	5.15	5.2	121.2	
1503	1.14	0.9	11.94	6.38	0.207	2.80	4.0	112.3	
1506	1.15	1.2	11.98	6.37	0.208	2.32	3.1	101.2	
1510	1.15	1.5	11.88	6.01	0.214	1.74	2.8	94.7	
1515	1.16	1.7	11.86	5.67	0.216	1.79	2.6	96.5	
		———							

Sample ID	Date	Time	Container	Preservative	Analytes	Analytic Method
MW-2	9/25/06	1520				

CAMBRIA

WELL SAMPLING FORM

Project Name: 100-1467	Cambria Mgr: **John Riggi**	Well ID: MW-4
Project Number: 31J-2235	Date: 9/25/06	Well Yield: ----------
Site Address: 1417 Peninsula Street Wrangell, AK	Sampling Method: **Low-Flow, Peristaltic Pump**	Well Diameter: 2"
		Technician(s): NG + AF
Initial Depth to Water: 0.10	Total Well Depth: 6.28	Water Column Height: 6.18
Pump Rate: 6:42 min/ 2 min.	1 Casing Volume: 1 gal	Final DTW: 1.21
Purging Device: **Peristaltic Pump**	Did Well Dewater?: No	Total Gallons Purged:
Start Purge Time: 1210	Stop Purge Time: 1243	Total Time: 33 min

1 Casing Volume = Water column height x Volume/ ft.

Well Diam.	Volume/ft (gallons)
2"	0.16
4"	0.65
6"	1.47

Time	Depth to Water	Volume purged gal	Temp. °C	pH	Specif. Cond. µS	Turbidity	DO	ORP	Notes
1210	0.13	0							
1215	0.86	0.1	11.89	8.81	0.082	19.54	25.3	9.5	
1224	1.03	0.8	11.33	7.79	0.234	14.03	9.1	-25.9	
1230	1.05	1	11.5	7.70	0.328	7.60	9.4	-56.4	
1235	1.210	1.1	11.6	7.83	0.385	7.03	4.9	-59.3	
1237	1.22	1.2	11.13	7.79	0.375	3.72	3.9	-63.1	
1241	1.22	1.3	11.11	7.74	0.395	3.06	4.1	-70.0	
1243	1.25	1.4	11.12	7.32	0.405	3.29	3.5	-75.5	
1245	1.21								

Sample ID	Date	Time	Container	Preservative	Analytes	Analytic Method
MW-4	9/25/06	1245				

CAMBRIA

WELL SAMPLING FORM

Project Name: 100-1467	Cambria Mgr: **John Riggi**	Well ID: MW-5
Project Number: 315-2235	Date: 9/25/06	Well Yield: ----------
Site Address: 1417 Peninsula Street Wrangell, AK	Sampling Method: **Low-Flow, Peristaltic Pump**	Well Diameter: 2 inch
		Technician(s): Ellsmore / Greco
Initial Depth to Water: 4.93	Total Well Depth: 11.88	Water Column Height: 6.95
Pump Rate: Min flow L/Min.	1 Casing Volume: 1.1 gal	Final DTW: 7.91
Purging Device: **Peristaltic Pump**	Did Well Dewater?: NO	Total Gallons Purged: 1.2
Start Purge Time: 1115	Stop Purge Time: 1140	Total Time: 35 min

1 Casing Volume = Water column height x Volume/ ft.

Well Diam.	Volume/ft (gallons)
2"	0.16
4"	0.65
6"	1.47

Time	Depth to Water	Volume purged gal	Temp. °C	pH	Specif. Cond. µS	Turbidity	DO %	ORP	Notes
1115	4.94	0							
1128	5.85	0.2	11.60	8.95	0.431	7.65	13.4	-108.2	
1133	6.44	0.4	11.45	8.73	0.425	6.37	8.2	-108.9	
1135	6.79	0.5	11.45	8.86	0.424	7.32	6.8	-109.5	
1137	7.16	0.7	11.42	9.16	0.424	7.90	6.1	-109.5	
1140	7.54	0.85	11.31	8.80	0.423	7.61	5.8	-109.8	
1145	Sample DTW			7.91					

Sample ID	Date	Time	Container	Preservative	Analytes	Analytic Method
MW-5	9/25/06	1145				

CAMBRIA

WELL SAMPLING FORM

Project Name: 100-1467	Cambria Mgr: **John Riggi**	Well ID: MW-6
Project Number: 31J-2235	Date: 9/25/06	Well Yield: ----------
Site Address: 1417 Peninsula Street Wrangell, AK	Sampling Method: **Low-Flow, Peristaltic Pump**	Well Diameter: 2"
		Technician(s): NG + AE
Initial Depth to Water: 3.85	Total Well Depth: 8.75	Water Column Height: 4.90
Pump Rate: 0.125 L/Min.	1 Casing Volume: 0.75 gal	Final DTW: 6.50
Purging Device: **Peristaltic Pump**	Did Well Dewater?: No	Total Gallons Purged:
Start Purge Time: 1320	Stop Purge Time: 1345	Total Time: 25 min

1 Casing Volume = Water column height x Volume/ ft.

Well Diam.	Volume/ft (gallons)
2"	0.16
4"	0.65
6"	1.47

Time	Depth to Water	Volume purged	Temp. °C	pH	Specif. Cond. µS	Turbidity	DO	ORP	Notes
1320	3.56	0							
1328	4.46	0.1	10.91	6.52	0.324	47.53	14.3	13.4	
1334	4.58	0.3	10.73	6.43	0.343	37.09	5.1	-10.9	
1337	4.63	0.4	10.76	7.02	0.337	36.32	3.4	-40.9	
1339	4.68	0.5	10.79	7.04	0.323	37.98	3.3	-43.5	
1342	4.75	0.6	10.81	6.4[illegible]	0.308	39.14	3.2	-47.7	
1345	4.75	Sample							

Sample ID	Date	Time	Container	Preservative	Analytes	Analytic Method
MW-6	9/25/06	1345				
Dup-1	9/25/06	1410				

ATTACHMENT C

Standard Procedures for Low Flow Groundwater Monitoring and Sampling

CAMBRIA

STANDARD FIELD PROCEDURES FOR LOW FLOW GROUNDWATER MONITORING AND SAMPLING

This document presents standard field methods for groundwater monitoring, purging and sampling, and well development. These procedures are designed to comply with Federal, State and local regulatory guidelines. Cambria's specific field procedures are summarized below.

Groundwater Monitoring

Prior to performing monitoring activities, the historical monitoring and analytical data of each monitoring well shall be reviewed to determine if any of the wells are likely to contain separate phase hydrocarbons (SPH) and to determine the order in which the wells will be monitored (i.e. cleanest to dirtiest). Groundwater monitoring should not be performed when the potential exists for surface water to enter the well (i.e. flooding during a rainstorm).

Prior to monitoring, each well shall be opened and the well cap removed to allow water levels to stabilize and equilibrate. The condition of the well box and well cap shall be observed and recommended repairs noted. Any surface water that may have entered and flooded the well box should be evacuated prior to removing the well cap. In wells with no history of SPH, the static water level and total well depth shall be measured to the nearest 0.01 foot with an electronic water level meter. Wells with the highest contaminant concentrations shall be monitored last. In wells with a history of SPH, the SPH level/thickness and static water level shall be measured to the nearest 0.01 foot using an electronic interface probe. The water level meter and/or interface probe shall be thoroughly cleaned and decontaminated at the beginning of the monitoring event and between each well. All monitoring and sample equipment (e.g., pumps, in-line water quality measurement device, tubing, etc.) shall be decontaminated using soapy water consisting of Liqui-nox™ or Alconox™ followed by one rinse of clean tap water and then two rinses of distilled water.

Groundwater Purging and Sampling

Prior to groundwater purging and sampling, the historical analytical data of each monitoring well shall be reviewed to determine the order in which the wells should be purged and sampled (i.e. cleanest to dirtiest). No purging or groundwater sampling shall be performed on wells with a sheen or measurable thickness of SPH or floating SPH globules. Prior to purging, all monitoring equipment shall be decontaminated and calibrated to manufacturer's recommendations. Wells shall be purged by using an aboveground pump (e.g. peristaltic or Wattera™) or down-hole pump (e.g. Grundfos™ or DC Purger pump) provided the pump has flow control. The pump intake shall be slowly lowered down the well and set in the middle of the screened interval as to not disturb the water column. An in-line water quality measurement device (e.g., flow-through cell) shall be used to establish the stabilization time for the necessary parameters (e.g., pH, temperature, specific conductance, oxidation reduction potential (redox), dissolved oxygen, and turbidity.

Groundwater wells shall be purged at a rate of approximately 0.1 to 0.5 Liters per minute (L/min), unless site conditions warrant otherwise, until groundwater parameters have stabilized to within 10% for three consecutive readings. Temperature, pH, specific conductance, oxidation reduction potential (redox), dissolved oxygen, and turbidity shall be measured and recorded at the start and completion of purging. The total volume of groundwater removed shall be recorded along with any other notable physical characteristic such as color and odor.

Groundwater samples shall be collected into clean containers supplied by the analytical laboratory directly from the output after stabilization of groundwater parameters has been established. New latex gloves and disposable tubing shall be used for sampling each well. If a

down-hole pump is used for groundwater purging and collection, it shall be decontaminated before purging and sampling each well by using soapy water consisting of Liqui-nox™ or Alconox™ followed by one rinse of clean tap water and then two rinses of distilled water. If a submersible pump with non-dedicated discharge tubing is used for groundwater purging, both the inside and outside of pump and discharge tubing shall be decontaminated as described above.

Sample Handling

Except for samples that will be tested in the field, or that require special handling or preservation, samples shall be stored in coolers chilled to 4° C for shipment to the analytical laboratory. Samples shall be labeled, placed in protective foam sleeves or bubble wrap as needed, stored on crushed ice at or below 4° C, and submitted under chain-of-custody (COC) to the laboratory. The laboratory shall be notified of the sample shipment schedule and arrival time. Samples shall be shipped to the laboratory within a time frame to allow for extraction and analysis to be performed within the standard sample holding times.

Sample labels shall be filled out using indelible ink and must contain the site name; field identification number; the date, time, and location of sample collection; notation of the type of sample; identification of preservatives used; remarks; and the signature of the sampler. Field identification must be sufficient to allow easy cross-reference with the field datasheet.

All samples submitted to the laboratory shall be accompanied by a COC record to ensure adequate documentation. One copy of the COC shall be kept in the QA/QC file and another copy shall be retained in the project file. Information on the COC shall consist of the project name and number; project location; sample numbers; sampler/recorder's signature; date and time of collection of each sample; sample type; analyses requested; name of person receiving the sample; and date of receipt of sample.

Laboratory-supplied trip blanks shall accompany the samples and be analyzed to check for cross-contamination, if requested by the project manager.

Well Development

Wells shall be developed using a combination of groundwater surging and extraction. A surge block shall be used to swab the well and agitate the groundwater in order to dislodge any fine sediment from the sand pack. After approximately ten minutes of swabbing the well, groundwater shall be extracted from the well using a bailer, pump and/or reverse air-lifting through a pipe to remove the sediments from the well. Alternating surging and extraction shall continue until the sediment volume in the groundwater (i.e. turbidity) is negligible, which typically requires extraction of approximately ten well-casing volumes of groundwater. Preliminary well development usually is performed during well installation prior to placing the sanitary surface seal to ensure sand pack stabilization. Well development that is performed after surface seal installation, should occur 72 hours after seal installation to ensure that the cement has had adequate time to set.

Waste Handling and Disposal

Groundwater extracted during development and sampling shall be stored onsite in sealed U.S. DOT H17 55-gallon drums. Each drum shall be labeled with the contents, date of generation, generator identification and consultant contact. If hydrocarbon concentrations in the purged groundwater are below ADEC cleanup levels or the site is in a remote area (pending ADEC approval) groundwater will be discharged to the ground surface, at least 100 feet from the nearest surface water body.

ATTACHMENT D

Historical Groundwater Analytical Results

Table 2
Groundwater Analytical Data
(Polynuclear Aromatic Hydrocarbons)

Delta Western/Former Chevron Bulk Terminal #1001467
1417 Peninsula Street
Wrangell, Alaska

Analyte	Table C Standards	MW-1 10/3/2003	MW-2 10/31/2001	MW-2 3/27/2002	MW-2 6/25/2002	MW-2 9/23/2002	MW-2 12/14/2002	MW-2 10/3/2003	MW-2 10/3/2003	MW-3 8/10/2004	MW-4 10/31/2001
Polynuclear Aromatic Hydrocarbons in ppb											
1-Methylnaphthalene	**--**	--	--	--	--	--	--	--	--	1.59	--
2-Methylnaphthalene	**--**	--	--	--	--	--	--	--	--	0.140	--
Acenapthene	**2,200**	0.528	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	0.328	<0.100
Acenapthylene	**--**	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100
Anthracene	**11,000**	0.604	<0.100	<0.100	<0.100	<0.100	<0.100	0.604	<0.100	<0.100	<0.100
Benzo (a) anthracene	**1**	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100
Benzo (a) pyrene	**0.2**	0.566	<0.100	<0.100	<0.100	<0.100	<0.100	0.566	<0.100	0.260	<0.100
Benzo (b) fluoranthene	**1**	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100
Benzo (ghi) perylene	**--**	<0.100	<0.100	0.152	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100
Benzo (k) fluoranthene	**10**	<0.100	<0.100	<0.100	<0.100	0.491	<0.100	<0.100	<0.100	<0.100	<0.100
Chrysene	**100**	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100
Dibenzo (a,h) anthracene	**0.1**	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100
Fluoranthene	**1,460**	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	0.150
Fluorene	**1,460**	<0.100	0.151	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	0.864	0.337
Indeno (1,2,3-cd) pyrene	**1**	<0.100	<0.100	<0.100	<0.100	0.453	<0.100	<0.100	<0.100	<0.100	<0.100
Napthalene	**1,460**	0.208	2.11	1.20	1.30	1.17	0.660	0.472	0.340	1.41	0.730
Phenanthrene	**--**	<0.100	0.132	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	0.251	<0.100
Pyrene	**1,100**	<0.100	0.113	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100
TOTAL PAH:	--	*1.91*	*2.51*	*1.35*	*1.30*	*2.11*	*0.660*	*1.640*	*0.340*	*4.84*	*1.22*

Notes:
PAH = polynuclear aromatic hydrocarbons
-- = not analyzed
< = not detected at or above laboratory detection limit shown
ppb = parts per billion

Table 2
Groundwater Analytical Data
(Polynuclear Aromatic Hydrocarbons)

Delta Western/Former Chevron Bulk Terminal #1001467
1417 Peninsula Street
Wrangell, Alaska

Analyte	Table C Standards	MW-4 3/27/2002	MW-4 6/25/2002	MW-4 9/23/2002	MW-4 12/14/2002	MW-4 10/3/2003	MW-4 8/12/2004	MW-5 10/31/2001	MW-5 3/27/2002	MW-5 9/23/2002	MW-5 10/3/2003
Polynuclear Aromatic Hydrocarbons in ppb											
1-Methylnaphthalene	**--**	--	--	--	--	--	0.362	--	--	--	--
2-Methylnaphthalene	**--**	--	--	--	--	--	0.209	--	--	--	--
Acenapthene	**2,200**	0.133	0.120	<0.100	<0.100	0.736	0.606	0.202	<0.100	<0.100	0.528
Acenapthylene	**--**	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100
Anthracene	**11,000**	<0.100	<0.100	<0.100	<0.100	0.623	<0.100	0.956	0.171	0.151	0.642
Benzo (a) anthracene	**1**	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	1.08	0.457	<0.100	<0.100
Benzo (a) pyrene	**0.2**	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	0.754	<0.100	0.358	0.566
Benzo (b) fluoranthene	**1**	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	1.01	0.686	<0.100	<0.100
Benzo (ghi) perylene	**--**	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	0.423	0.133	<0.100	<0.100
Benzo (k) fluoranthene	**10**	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	0.331	0.229	0.491	<0.100
Chrysene	**100**	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	0.901	0.343	<0.100	<0.100
Dibenzo (a,h) anthracene	**0.1**	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	0.202	<0.100	0.528	<0.100
Fluoranthene	**1,460**	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	1.91	0.648	0.151	<0.100
Fluorene	**1,460**	0.114	<0.100	<0.100	<0.100	<0.100	0.242	0.294	0.114	0.113	<0.100
Indeno (1,2,3-cd) pyrene	**1**	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	0.441	<0.100	0.453	<0.100
Napthalene	**1,460**	1.18	0.580	0.698	0.604	0.623	1.62	0.312	<0.100	<0.100	0.170
Phenanthrene	**--**	<0.100	<0.100	<0.100	<0.100	<0.100	0.136	1.67	0.533	0.208	0.151
Pyrene	**1,100**	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	1.54	0.648	<0.100	<0.100
TOTAL PAH:	--	*1.43*	*0.700*	*0.698*	*0.604*	*1.98*	*3.18*	*12.0*	*3.96*	*2.45*	*2.06*

Notes:
PAH = polynuclear aromatic hydrocarbons
-- = not analyzed
< = not detected at or above laboratory detection limit shown
ppb = parts per billion

Table 2
Groundwater Analytical Data
(Polynuclear Aromatic Hydrocarbons)

Delta Western/Former Chevron Bulk Terminal #1001467
1417 Peninsula Street
Wrangell, Alaska

Analyte	Table C Standards	MW-5 8/12/2004	MW-6 11/1/2001	MW-6 9/23/2002	MW-6 10/3/2003	MW-6 8/12/2004	SEEP-1 11/1/2001	SEEP-1 3/27/2002	SEEP-1 6/25/2002	SEEP-1 9/23/2002	SEEP-1 12/14/2002
Polynuclear Aromatic Hydrocarbons in ppb											
1-Methylnaphthalene	**--**	<0.100	--	--	--	0.792	--	--	--	--	--
2-Methylnaphthalene	**--**	<0.100	--	--	--	1.26	--	--	--	--	--
Acenapthene	**2,200**	<0.100	<0.100	<0.100	<0.100	<0.100	0.114	0.200	<0.100	<0.100	<0.100
Acenapthylene	**--**	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	0.226	<0.100
Anthracene	**11,000**	<0.100	<0.100	<0.100	<0.100	0.283	1.38	<0.100	<0.100	0.415	<0.100
Benzo (a) anthracene	**1**	<0.100	<0.100	<0.100	<0.100	<0.100	8.12	<0.100	1.20	4.17	<0.100
Benzo (a) pyrene	**0.2**	<0.100	<0.100	<0.100	<0.100	<0.100	4.26	<0.100	0.540	2.36	<0.100
Benzo (b) fluoranthene	**1**	<0.100	<0.100	<0.100	<0.100	<0.100	11.0	<0.100	0.900	3.34	<0.100
Benzo (ghi) perylene	**--**	<0.100	<0.100	<0.100	<0.100	<0.100	1.49	<0.100	0.200	0.717	<0.100
Benzo (k) fluoranthene	**10**	<0.100	<0.100	<0.100	<0.100	<0.100	3.08	<0.100	0.500	3.45	<0.100
Chrysene	**100**	<0.100	<0.100	<0.100	<0.100	<0.100	8.33	<0.100	1.02	4.40	<0.100
Dibenzo (a,h) anthracene	**0.1**	<0.100	<0.100	<0.100	<0.100	<0.100	0.530	<0.100	<0.100	<0.100	<0.100
Fluoranthene	**1,460**	0.102	<0.100	<0.100	<0.100	<0.100	14.4	<0.100	2.64	7.81	<0.100
Fluorene	**1,460**	<0.100	<0.100	3.77	<0.100	<0.100	0.322	0.160	<0.100	0.245	<0.100
Indeno (1,2,3-cd) pyrene	**1**	<0.100	<0.100	<0.100	<0.100	<0.100	2.29	<0.100	0.200	1.13	<0.100
Napthalene	**1,460**	<0.100	<0.100	215	4.36	1.42	<0.100	0.440	<0.100	<0.100	<0.100
Phenanthrene	**--**	0.149	0.100	<0.100	<0.100	0.472	1.84	0.200	<0.100	1.08	<0.100
Pyrene	**1,100**	<0.100	<0.100	<0.100	<0.100	<0.100	14.8	<0.100	2.30	5.89	<0.100
TOTAL PAH:	--	*2.51*	*0.100*	*219*	*4.36*	*4.23*	*72.0*	*1.00*	*9.50*	*35.2*	*ND*

Notes:
PAH = polynuclear aromatic hydrocarbons
-- = not analyzed
< = not detected at or above laboratory detection limit shown
ppb = parts per billion

Table 2
Groundwater Analytical Data
(Polynuclear Aromatic Hydrocarbons)

Delta Western/Former Chevron Bulk Terminal #1001467
1417 Peninsula Street
Wrangell, Alaska

Analyte	**Table C Standards**	SEEP-1 10/2/2003	SEEP-2 10/31/2001	SEEP-2 3/27/2002	SEEP-2 9/23/2002
Polynuclear Aromatic Hydrocarbons in ppb					
1-Methylnaphthalene	**--**	--	--	--	--
2-Methylnaphthalene	**--**	--	--	--	--
Acenapthene	**2,200**	0.716	<0.100	<0.100	<0.100
Acenapthylene	**--**	1.01	<0.100	<0.100	<0.100
Anthracene	**11,000**	3.26	<0.100	<0.100	<0.100
Benzo (a) anthracene	**1**	15.1	<0.100	<0.100	<0.100
Benzo (a) pyrene	**0.2**	6.40	<0.100	<0.100	0.340
Benzo (b) fluoranthene	**1**	11.6	<0.100	<0.100	<0.100
Benzo (ghi) perylene	**--**	2.10	<0.100	<0.100	<0.100
Benzo (k) fluoranthene	**10**	6.30	<0.100	<0.100	0.491
Chrysene	**100**	14.6	<0.100	<0.100	<0.100
Dibenzo (a,h) anthracene	**0.1**	1.19	<0.100	<0.100	<0.100
Fluoranthene	**1,460**	37.4	0.151	<0.100	<0.100
Fluorene	**1,460**	0.247	<0.100	<0.100	<0.100
Indeno (1,2,3-cd) pyrene	**1**	2.54	<0.100	<0.100	<0.100
Napthalene	**1,460**	0.222	0.396	<0.100	<0.100
Phenanthrene	**--**	1.11	0.189	<0.100	<0.100
Pyrene	**1,100**	23.1	0.208	<0.100	<0.100
TOTAL PAH:	--	*127*	*0.944*	*ND*	*0.831*

Notes:
PAH = polynuclear aromatic hydrocarbons
-- = not analyzed
< = not detected at or above laboratory detection limit shown
ppb = parts per billion

Table 1
Groundwater Analytical Data
(Petroleum Hydrocarbons)

Delta Western/Former Chevron Bulk Terminal #1001467
1417 Peninsula Street
Wrangell, Alaska

Sample Description	Date Monitored	Well Elevation (feet-MSL)	Depth to Water (feet TOC)	Groundwater Elevation (feet-MSL)	SPH Thickness (feet)	Date Sampled	GRO (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	DRO (ppb)	RRO (ppb)	Total TAH (ppb)	Total TAqH (ppb)
Groundwater Monitoring Wells															
MW-1	10/31/01	38.51	5.47	33.04	0.00	10/31/01	<50.0	0.767	<0.500	<0.500	<1.00	612	<750	0.767	--
	03/27/02	38.51	3.24	35.27	0.00	03/27/02	<50.0	<0.200	13.8	<0.500	<1.00	1,010	<750	13.8	--
	06/24/02	38.51	5.92	32.59	0.00	06/25/02	<50.0	1.64	3.96	<0.500	<1.00	874	<750	5.60	--
	09/23/02	38.51	3.32	35.19	0.00	09/23/02	<50.0	<0.200	1.50	<0.500	<1.00	308	<750	1.50	--
	12/13/02	38.51	3.22	35.29	0.00	12/13/02	<50.0	<0.200	0.944	<0.500	<1.00	382	<750	0.944	--
	03/28/03	38.51	3.74	34.77	0.00	03/29/03	<50.0	<0.200	<0.500	<0.500	<1.00	149	<750	ND	--
	10/02/03	38.51	4.01	34.50	0.00	10/03/03	<50.0	<0.200	<0.500	<0.500	<1.00	376	<750	ND	1.906
	08/10/04	38.51	4.56	33.95	0.00	08/12/04	<50.0	0.210	<0.500	<0.500	<1.00	<100	<750	0.210	--
	02/21/05	38.51	4.80	33.71	0.00	02/21/05	<50.0	<0.200	1.95	<0.500	<1.00	<100	<750	1.95	2.64
MW-2	10/31/01	33.36	1.66	31.70	0.00	10/31/01	80.2	16.0	0.683	<0.500	7.57	2,240	<750	24.3	26.8
	03/27/02	33.36	0.60	32.76	0.00	03/27/02	61.8	8.93	0.652	0.634	5.37	2,030	819	15.6	17.0
	06/24/02	33.36	3.90	29.46	0.00	06/25/02	67.8	21.9	<0.500	<0.500	<1.00	2,700	2,370	21.9	23.2
	09/23/02	33.36	1.01	32.35	0.00	09/23/02	<50.0	7.15	<0.500	<0.500	1.47	426	<750	8.62	10.7
	12/13/02	33.36	1.91	31.45	0.00	12/14/02	<50.0	5.51	<0.500	<0.500	1.07	715	<750	6.58	7.24
	03/28/03	33.36	1.26	32.10	0.00	03/29/03	<50.0	6.07	<0.500	<0.500	1.30	582	<750	7.37	7.94
	10/02/03	33.36	3.37	29.99	0.00	10/03/03	<50.0	1.27	<0.500	<0.500	<1.00	738	<750	1.27	2.91
	08/10/04	33.36	3.73	29.63	0.00	08/12/04	<50.0	2.10	<0.500	<0.500	<1.00	188	<750	2.10	--
	02/21/05	WELL INACCESSIBLE													
MW-3	10/31/01	34.65	0.00	34.65	0.00	10/31/01	243	12.3	21.3	4.21	25.6	2,150	<750	63.4	--
	03/27/02	34.65	0.02	34.63	0.00	4/26/02[c]	363	8.65	50.2	7.38	22.0	3,920	1,190	88.2	--
	06/24/02	34.65	0.60	34.05	0.00	06/25/02	363	7.99	57.2	10.3	20	1,840	859	95.5	--
	09/23/02	34.65	0.00	34.65	0.00	09/23/02	181	2.11	6.88	4.11	4.75	1,440	<750	17.9	--
	12/13/02	34.65	0.50	34.15	0.00	12/14/02	314	4.90	15.6	6.16	12.1	3,080	938	38.8	--
	03/28/03	34.65	0.05	34.60	0.00	03/29/03	286	4.76	3.60	8.18	10.4	1,630	<750	27.0	--
	10/02/03	34.65	0.12	34.53	0.00	10/03/03	342	4.43	2.03	6.86	7.34	580	<750	20.7	--
	08/10/04	34.65	0.83	33.82	0.00	08/10/04	305	5.06	4.63	0.703	3.08	2,470	<750	13.5	18.3
	WELL REMOVED ON 8/10/04														

Table 1
Groundwater Analytical Data
(Petroleum Hydrocarbons)

Delta Western/Former Chevron Bulk Terminal #1001467
1417 Peninsula Street
Wrangell, Alaska

Sample Description	Date Monitored	Well Elevation (feet-MSL)	Depth to Water (feet TOC)	Groundwater Elevation (feet-MSL)	SPH Thickness (feet)	Date Sampled	GRO (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	DRO (ppb)	RRO (ppb)	Total TAH (ppb)	Total TAqH (ppb)
MW-4	10/31/01	28.80	0.21	28.59	0.00	10/31/01	<50.0	1.43	2.18	0.510	2.30	7,230	922	6.42	7.64
	03/27/02	28.80	0.50	28.30	0.00	03/27/02	90.3	2.94	28.1	<0.500	<1.00	1,950	<750	31.0	32.4
	06/24/02	28.80	0.64	28.16	0.00	06/25/02	104	3.12	36.4	<0.500	<1.00	1,830	776	39.5	40.2
	09/23/02	28.80	0.00	28.80	0.00	09/23/02	77.3	1.80	27.1	<0.500	<1.00	735	<750	28.9	29.6
	12/13/02	28.80	1.38	27.42	0.00	12/14/02	<50.0	1.39	1.31	<0.500	<1.00	1,990	<750	2.70	3.30
	03/28/03	28.80	0.40	28.40	0.00	03/29/03	<50.0	2.23	<0.500	<0.500	<1.00	2,010	<750	2.23	3.55
	10/02/03	28.80	0.57	28.23	0.00	10/03/03	<50.0	1.47	<0.500	<0.500	<1.00	1,790	<750	1.47	3.45
	08/10/04	28.80	1.02	27.78	0.00	08/12/04	<50.0	2.09	<0.500	<0.500	<1.00	724	<750	2.09	5.27
	02/21/05							WELL INACCESSIBLE							
MW-5	10/31/01	21.47	0.00	21.47	0.00	10/31/01	<50.0	<0.200	0.662	<0.500	<1.00	771	<750	0.662	12.7
	03/27/02	21.47	0.30	21.17	0.00	4/26/02[c]	106	<0.200	45.8	<0.500	<1.00	1,050	<750	45.8	49.8
	06/24/02	21.47	0.33	21.14	0.00	06/25/02	137	<0.200	54.3	<0.500	<1.00	744	<750	54.3	--
	09/23/02	31.47 [b]	9.38	22.09	0.00	09/23/02	69.5	<0.200	22.4	<0.500	<1.00	325	<750	22.4	24.9
	12/13/02	31.47	9.77	21.70	0.00	12/13/02	<50.0	<0.200	15.4	<0.500	<1.00	311	<750	15.4	--
	03/28/03	26.47	5.67	20.80	0.00	03/29/03	<50.0	<0.200	2.54	<0.500	<1.00	216	<750	219	219
	10/02/03	26.47	5.69	20.78	0.00	10/03/03	439	<0.200	281	<0.500	<1.00	488	<750	281	283
	08/10/04	26.47	5.83	20.64	0.00	08/12/04	<50.0	<0.200	0.808	<0.500	<1.00	<100	<750	0.808	1.06
	02/21/05	26.47	4.78	21.69	0.00	02/21/05	<50.0	<0.200	0.887	<0.500	<1.00	<100	<750	0.887	2.11
MW-6	10/31/01	37.10	4.96	32.14	0.00	11/01/01	<50.0	0.391	<0.500	<0.500	<1.00	1,250	<840	0.391	0.491
	03/27/02	37.10	3.88	33.22	0.00	4/26/02[c]	541	0.397	12.2	<0.500	<1.00	13,200	<15,000	12.6	--
	06/24/02	37.10	4.74	32.36	0.00	06/25/02	555	1.01	26.2	<2.50	<5.00	66,000	<7,500	27.2	--
	09/23/02	37.10	3.95	33.15	0.00	09/23/02	1,210	<2.00	256	<5.00	<10.0	21,500	<7,500	256	475
	12/13/02	37.10	4.73	32.37	0.00	12/13/02	1,420	1.74	309	<2.50	<5.00	31,000	803	311	--
	03/28/03	37.10	3.61	33.49	0.00	03/29/03	455	3.61	236	3.06	17.6	7,720	<750	260	--
	10/02/03	37.10	3.61	33.49	0.00	10/03/03	1,820	4.93	991	5.96	29.1	935	<750	1031	1035
	08/10/04	37.10	4.88	32.22	0.00	08/12/04	347	0.718	128	1.42	4.90	2,420	792	135	139
	02/21/05	37.10	3.68	33.42	0.00	02/21/05	740	1.12	433	2.25	9.24	265	<750	446	448

Table 1
Groundwater Analytical Data
(Petroleum Hydrocarbons)

Delta Western/Former Chevron Bulk Terminal #1001467
1417 Peninsula Street
Wrangell, Alaska

Sample Description	Date Monitored	Well Elevation (feet-MSL)	Depth to Water (feet TOC)	Groundwater Elevation (feet-MSL)	SPH Thickness (feet)	Date Sampled	GRO (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	DRO (ppb)	RRO (ppb)	Total TAH (ppb)	Total TAqH (ppb)
MW-7	10/31/01	35.90	2.53	33.37	0.00	11/01/01	<50.0	0.271	<0.500	<0.500	<1.00	609	<750	0.271	--
	03/27/02	35.90	3.02	32.88	0.00	03/27/02	155	<0.400	68.3	<1.00	<2.00	7,610	<3,750	68.3	--
	06/24/02	35.90	3.63	32.27	0.00	06/25/02	234	<0.200	95.9	<0.500	<1.00	10,300	<750	95.9	--
	09/23/02	35.90	3.12	32.78	0.00	09/23/02	525	0.274	184	<0.500	<1.00	<100	<750	187	--
	12/13/02	35.90	3.85	32.05	0.00	12/14/02	374	<0.200	170	<0.500	<1.00	1,960	<750	170	--
	03/28/03	35.90	2.74	33.16	0.00	03/29/03	223	<0.200	146	<0.500	<1.00	799	<750	146	--
	10/02/03	35.90	2.78	33.12	0.00	10/03/03	97.5	<0.200	59.3	<0.500	<1.00	827	<750	59.3	--
	08/10/04	35.90	4.60	31.30	0.00	08/12/04	<50.0	<0.200	1.75	<0.500	<1.00	<100	<750	1.75	--
	02/21/05	35.90	2.42	33.48	0.00	02/21/05	<50.0	<0.200	0.808	<0.500	<1.00	<100	<750	0.808	--
MW-8	10/31/01	43.16	6.24	36.92	Sheen	11/01/01	981	2.39	2.97	21.6	43.7	83,900	<30,000	70.7	--
	03/27/02	43.16	4.50	38.66	0.00	03/27/02	<50.0	<0.200	<0.500	<0.500	<1.00	10,200	<7,500	ND	--
	06/24/02	43.16	7.78	35.38	0.00	06/26/02	395	2.81	11.7	21.7	29.3	11,900	<750	65.5	--
	09/23/02	43.16	4.96	38.20	0.00	09/23/02	101	<0.200	19.3	<0.500	<1.00	4,480	<750	19.3	--
	12/13/02	43.16	6.00	37.16	0.00	12/14/02	87.7	<0.200	12.2	<0.500	<1.00	7,330	<750	12.2	--
	03/28/03	43.16	6.44	36.72	0.00	03/29/03	<50.0	<0.200	1.18	<0.500	<1.00	6,390	<750	1.18	--
	10/02/03	43.16	7.14	36.02	0.00	10/03/03	131	0.414	11.4	1.04	1.8	5,050	<750	14.7	--
	08/10/04	43.16	8.30	34.86	0.00	08/12/04	<50.0	<0.200	<0.500	<0.500	<1.00	1,400	<750	ND	--
	02/21/05	43.16	3.14	40.02	0.00	02/21/05	<50.0	<0.200	<0.500	<0.500	<1.00	<100	<750	ND	--
MW-9	10/31/01	39.46	2.35	37.11	0.00	11/01/01	<50.0	0.389	0.717	<0.500	<1.00	404	<750	1.11	--
	03/27/02	39.46	3.00	36.46	0.00	03/27/02	<50.0	<0.200	1.36	<0.500	<1.00	802	<750	1.36	--
	06/24/02	39.46	3.76	35.70	0.00	06/25/02	<50.0	<0.200	2.07	<0.500	<1.00	270	<750	2.07	--
	09/23/02	39.46	2.79	36.67	0.00	09/23/02	<50.0	0.277	7.50	<0.500	<1.00	367	<750	7.78	--
	12/13/02	39.46	3.97	35.49	0.00	12/13/02	<50.0	<0.200	<0.500	<0.500	<1.00	187	<750	ND	--
	03/28/03	39.46	3.04	36.42	0.00	03/29/03	<50.0	<0.200	<0.500	<0.500	<1.00	<100	<750	ND	--
	10/02/03	39.46	3.09	36.37	0.00	10/03/03	<50.0	<0.200	3.61	<0.500	<1.00	540	<750	3.61	--
	08/10/04	39.46	3.74	35.72	0.00	08/12/04	<50.0	<0.200	<0.500	<0.500	<1.00	<100	<750	ND	--
	02/21/05	39.46	2.27	37.19	0.00	02/21/05	<50.0	<0.200	<0.500	<0.500	<1.00	143	<750	ND	--
Tank Farm Pit Grab Samples															
TF-2	--	--	--	--	--	10/01/03	1,110	1.64	1.09	6.67	12.1	4,380	<750	21.5	--
TF-4	--	--	--	--	--	10/01/03	1,240	5.81	1.28	97.3	102	53,900	2,550	206	--

Table 1
Groundwater Analytical Data
(Petroleum Hydrocarbons)

Delta Western/Former Chevron Bulk Terminal #1001467
1417 Peninsula Street
Wrangell, Alaska

Sample Description	Date Monitored	Well Elevation (feet-MSL)	Depth to Water (feet TOC)	Groundwater Elevation (feet-MSL)	SPH Thickness (feet)	Date Sampled	GRO (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	DRO (ppb)	RRO (ppb)	Total TAH (ppb)	Total TAqH (ppb)
Seep Samples															
Seep-1	--	--	--	--	--	11/01/01	<50.0	<0.200	<0.500	<0.500	<1.00	824	<750	ND	72.0
	--	--	--	--	--	03/27/02	<50.0	<0.200	<0.500	<0.500	<1.00	293	<750	ND	1.00
	--	--	--	--	--	06/25/02	<50.0	<0.200	<0.500	<0.500	<1.00	<100	<750	ND	9.50
	--	--	--	--	--	09/23/02	<50.0	<0.200	<0.500	<0.500	<1.00	178	<750	ND	35.2
	--	--	--	--	--	12/14/02	<50.0	<0.200	<0.500	<0.500	<1.00	152	<750	ND	ND
	--	--	--	--	--	03/29/03	<50.0	<0.200	1.09	<0.500	2.14	<100	<750	3.23	3.63
	--	--	--	--	--	10/03/03	<50.0	<0.200	<0.500	<0.500	<1.00	152	<750	ND	127
	--	--	--	--	--	08/10/04					DRY				
	--	--	--	--	--	02/21/05					DRY				
Seep-2	--	--	--	--	--	11/01/01	69.8	1.09	2.75	1.05	13.2	755	<1,430	18.1	19.0
	--	--	--	--	--	03/27/02	<50.0	<0.200	<0.500	<0.500	<1.00	<100	<750	ND	ND
	--	--	--	--	--	06/26/02	<50.0	0.275	0.572	<0.500	<1.00	642	1,160	0.847	1.68
	--	--	--	--	--	09/23/02	<50.0	<0.200	<0.500	<0.500	<1.00	<100	<750	ND	--
	--	--	--	--	--	12/14/02	<50.0	<0.200	<0.500	<0.500	<1.00	144	<750	ND	--
	--	--	--	--	--	03/29/03	<50.0	<0.200	<0.500	<0.500	<1.00	<100	<750	ND	ND
	--	--	--	--	--	10/03/03					DRY				
	--	--	--	--	--	08/10/04					DRY				
	--	--	--	--	--	02/21/05					DRY				
Table C Cleanup Levels	**--**	**--**	**--**	**--**	**--**	**--**	**1,300**	**5**	**1,000**	**700**	**10,000**	**1,500**	**1,100**	**--**	**--**
Surface Water Standards	**--**	**--**	**--**	**--**	**0.00**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**10**	**15**

Notes:

GRO = gasoline range organics
DRO = diesel range organics
RRO = residual range organics
MSL = mean sea level
TOC = top of casing
TAH = total aromatic hydrocarbons (totaled concentrations of benzene, toluene, ethyl-benzene, and total xylenes)
TAqH = total aqueous hydrocarbons (totaled concentrations of TAH and total PAHs from Table 2)
-- = not analyzed
ND = not detected - all compounds
ppb = parts per billion
< = not detected at or above laboratory detection limit shown

Table 1
Groundwater Analytical Data
(Petroleum Hydrocarbons)

Delta Western/Former Chevron Bulk Terminal #1001467
1417 Peninsula Street
Wrangell, Alaska

Sample Description	Date Monitored	Well Elevation (feet-MSL)	Depth to Water (feet TOC)	Groundwater Elevation (feet-MSL)	SPH Thickness (feet)	Date Sampled	GRO (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	DRO (ppb)	RRO (ppb)	Total TAH (ppb)	Total TAqH (ppb)

a = not detected at or above laboratory detection limit shown
b = 10.0 feet of casing added to well due to residential construction activites.
c = Re-sampled on 4/26/02 for GRO/BTEX Compounds due to container breakage by laboratory.
d = 5.0 feet removed following residential construction activities

ATTACHMENT E

ADEC Laboratory Checklist and QA Summary

Laboratory Data Review Checklist

1. Laboratory
   a. Did an ADEC CS approved laboratory receive and perform all of the submitted sample analyses?
      [X] Yes ☐ No Comments: **Test America Laboratories, WA**

   b. If the samples were transferred to another "network" laboratory or sub-contracted to an alternate laboratory, was the laboratory performing the analyses ADEC CS approved?
      ☐ Yes ☐ No Comments: **N/A**

2. Chain of Custody (COC)
   a. COC information completed, signed, and dated (including released/received by)?
      [X] Yes ☐ No Comments:

   b. Correct analyses requested?
      [X] Yes ☐ No Comments:

3. Laboratory Sample receipt documentation
   a. Sample/cooler temperature documented and within range at receipt ($4^{o} \pm 2^{o}$ C)?
      [X] Yes ☐ No Comments: **With a temperature of 6.0 ^{o}C**

   b. Sample preservation acceptable – acidified waters, Methanol preserved VOC soil (GRO, BTEX, Volatile Chlorinated Solvents, etc.)?
      [X] Yes ☐ No Comments: **HCL**

   c. Sample condition documented – broken, leaking (Methanol), zero headspace (VOC vials)?
      [X] Yes ☐ No Comments: **Samples received in good condition.**

   d. If there were any discrepancies, were they documented? – For example, incorrect sample containers/preservation, sample temperature outside of acceptance range, insufficient or missing samples, etc.?
      ☐ Yes ☐ No Comments: **N/A**

   e. Data quality or usability affected? Explain
      Data quality or usability is not affected.

4. Case Narrative
   a. Present and understandable?
      ☐ Yes **[X] No** Comments: **No case narrative was provided.**

b. Discrepancies, errors or QC failures identified by the lab?
☐ Yes ☐ No Comments: **N/A**

c. Were all corrective actions documented?
☐ Yes ☐ No Comments: **N/A**

d. What is the effect on data quality/usability according to the case narrative?
A case narrative was not provided.

5. Samples Results
   a. Correct analyses performed/reported as requested on COC?
   [X] Yes ☐ No Comments:

   b. All applicable holding times met?
   [X] Yes ☐ No Comments:

   c. All soils reported on a dry weight basis?
   ☐ Yes ☐ No Comments: **N/A (Groundwater Samples)**

   d. Are the reported PQLs less than the Cleanup Level or the minimum required detection level for the project?
   [X] Yes ☐ No Comments:

   e. Data quality or usability affected? Explain
   Data quality or usability not affected.

6. QC Samples
   a. Method Blank
      i. One method blank reported per matrix, analysis and 20 samples?
      [X] Yes ☐ No Comments:

      ii. All method blank results less than PQL?
      [X] Yes ☐ No Comments:

      iii. If above PQL, what samples are affected?
      Not Applicable

      iv. Do the affected sample(s) have data flags? If so, are the data flags clearly defined?
      ☐ Yes **[X] No** Comments: **No affected samples.**

      v. Data quality or usability affected? Explain
      Data quality or usability not affected.

b. Laboratory Control Sample/Duplicate (LCS/LCSD)

i. Organics - One LCS/LCSD reported per matrix, analysis and 20 samples?

[X] Yes ☐ No Comments:

ii. Metals/Inorganics - One LCS and one sample duplicate reported per matrix, analysis and 20 samples?

☐ Yes ☐ No Comments: **N/A**

iii. Accuracy – All percent recoveries (%R) reported and within method or laboratory limits? Or project specified DQOs? (AK Petroleum methods 75-125 %R; all other analyses see the laboratory QC pages)

[X] Yes ☐ No Comments:

iv. Precision - All relative percent differences (RPD) reported and less than method or laboratory limits? Or project specified DQOs? (AK Petroleum methods 20 %; all other analyses see the laboratory QC pages)

[X] Yes ☐ No Comments:

v. If %R or RPD outside of acceptable limits, what samples are affected?

%R or RPD were not outside of acceptable limits.

vi. Do the affected sample(s) have data flags? If so, are the data flags clearly defined?

☐ Yes ☐ No Comments: **No affected samples.**

vii. Data quality or usability affected? Explain

Data quality or usability not affected.

c. Surrogates – Organics only

i. Are surrogate recoveries reported for organic analyses – field, QC and laboratory samples?

[X] Yes ☐ No Comments:

ii. Accuracy – All percent recoveries (%R) reported and within method or laboratory limits? Or project specified DQOs? (AK Petroleum methods 50-150 %R; all other analyses see the laboratory report pages)

[X] Yes ☐ No Comments:

iii. Do the sample results with failed surrogate recoveries have data flags? If so, are the data flags clearly defined?

☐ Yes ☐ No Comments: **Results did not fail surrogate recoveries.**

iv. Data quality or usability affected? Explain
Data quality or usability is not affected.

d. Trip Blank – Volatile analyses only (GRO, BTEX, Volatile Chlorinated Solvents, etc.): water and soil

i. One trip blank reported per matrix, analysis and cooler?

[X] Yes ☐ No Comments:

ii. All results less than PQL?

[X] Yes ☐ No Comments:

iii. If above PQL, what samples are affected?
Results not above PQL.

iv. Data quality or usability affected? Explain
Data quality or usability not affected.

e. Field Duplicate

i. One field duplicate submitted per matrix, analysis and 10 project samples?

[X] Yes ☐ No Comments: **One duplicate sample was provided.**

ii. Submitted blind to lab?

[X] Yes ☐ No Comments: **Duplicate sample from MW-6 was labeled as Dup-1.**

iii. Precision - All relative percent differences (RPD) less than specified DQOs? (Recommended: 30% water, 50% soil)

☐ Yes **[X] No**

Comments:

Dup-1

$$RPD = \frac{(X_1 - X_2)}{(X_1 + X_2)/2} * 100\%$$

| Concentration (µg/L) / Duplicate Concentration (µg/L) |
GRO = |103/88.7| = 14.9%
DRO = |ND/ND| = 0.0%
RRO = |ND/ND| = 0.0%
Benzene = |ND/ND| = 0.0%
Toluene = |41.1/33.3| = 21.0%
Ethylbenzene = |0.514/0.575| = 11.2%
Total Xylenes = |2.27/2.92| = 25.0%

iv. Data quality or usability affected? Explain

Although the RPD is more than the specified DQOs for Toluene and Total Xylenes, it is suspected that the error was restricted to the specific sample and should not affect the overall usability.

f. Decontamination or Equipment Blank (if applicable)

☐ Yes ☐ No **[X] Not Applicable**

i. All results less than PQL?

☐ Yes ☐ No Comments: **N/A**

ii. If above PQL, what samples are affected?

N/A

iii. Data quality or usability affected? Explain

Disposable tubing used and did not require decontamination procedures. Data quality or usability not affected.

7. Other Data Flags/Qualifiers (ACOE, AFCEE, Lab specific, etc.)

a. Defined and appropriate

☐ Yes ☐ No

Comments:

No Data Flags/Qualifiers reported.

Completed by: **Nicholas M. Greco**

Title: **Staff Geologist**

Date: **October 31, 2006**

QUALITY ASSURANCE SUMMARY
CHEVRON 100-1467, 2nd SEMI-ANNUAL 2006
GROUNDWATER MONITORING EVENT

Precision

Field Duplicates: Four groundwater monitoring wells and two seeps were sampled. One blind field duplicate (Dup-1) was collected from well MW-6.

Laboratory Sample Duplicates and/or Spike Duplicates: Laboratory sample duplicates and matrix spike duplicates were analyzed and reported with all groundwater samples collected during groundwater sampling activities.

Accuracy

Laboratory QC Samples Percent Recoveries–Spikes: All laboratory QC sample percent recoveries were within accepted values.

Surrogate Percent Recoveries: All surrogate sample percent recoveries were within accepted values.

Representativeness

Site Condition Characterization: Groundwater samples were collected from all existing ADEC requested monitoring wells associated with the site.

Consistency with Conceptual Site Model (CSM) and Data Quality Objectives: Groundwater sampling was conducted in accordance with Cambria's ADEC approved historical sampling plan.

Comparability

Field Screening vs. Laboratory Data Correlation: There were no noted irregularities or observations on submitted field sheets.

Laboratory Standardization: Test America Laboratories, Washington conducted all sample analysis.

Completeness

Percent Completeness: The 85% minimum completeness goal per the ADEC UST Procedures Manual was met:

%Completeness = (Number of Valid samples/Number of total) * 100%

- %Completeness = (6/6) * 100% = 100% Complete

Sensitivity

Limits of Detection: The laboratory limits of detection were less than the regulatory cleanup levels established in Groundwater Cleanup Levels, Table C (ADEC, 18 AAC 75.345).

Blank Results: The trip blank limits of detection were less than the PQL.