AP - 056

STAGE 1 REPORTS

4/16/2008

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April 16, 2008

Mr. Glenn Von Gonten
New Mexico Oil Conservation Division
1220 South St Francis Drive
Santa Fe, New Mexico 87505

Subject: **Interim Investigation Report**
Mark Owen #9 Reserve Pit – AP No. 53
Eunice, New Mexico

Dear Mr. Von Gonten:

Please find enclosed the interim investigation report for the Mark Owen #9 Reserve Pit (AP No. 53) in Eunice, New Mexico. This report summarizes the results of the recent soil and groundwater investigation, including monitoring well installation and sampling. The results of the interim investigation indicate that the release from the reserve pit has been effectively delineated, and Chevron is prepared to proceed with the activities proposed in the Revised Stage 1 Abatement Plan (submitted March 13, 2007), upon NMOCD approval.

Please contact me at (713) 372-1046 should you have any questions or concerns.

Sincerely,

Matthew P. Hudson

cc: Tom Larson – Conestoga-Rovers & Associates

AP 056

INTERIM INVESTIGATION REPORT

CHEVRON U.S.A., INC.
MARK OWEN #9 RESERVE PIT (AP #53)
NW/4 OF SE/4 (J) SECTION 34, T-21-S; R-37-E
LEA COUNTY, NEW MEXICO

Prepared For:

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1.0 INTRODUCTION

A Revised Stage 1 Abatement Plan for the Mark Owen #9 Reserve Pit was submitted on behalf of Chevron Environmental Company (CEMC) by Conestoga-Rovers & Associates (CRA) to the New Mexico Oil Conservation Division (NMOCD) in a correspondence dated March 13, 2007. The NMOCD has not yet provided a written response to the March 2007 submittal that included data from soil and groundwater investigation and remedial activities performed at the site (by Environmental Plus, Inc.) in 2006. Consequently, an investigation was performed at the site in October 2007 to collect current information associated with the indicated May 2006 release of drilling fluids from the reserve pit into the surrounding soils and groundwater.

CRA contacted Mr. Glenn von Gonten with the NMOCD in Santa Fe, New Mexico on January 15, 2008, regarding his recommendation associated with the submittal of the October 2007 investigation data to the agency. At that time, the current status of the March 2007 Revised Stage 1 Abatement Plan (AP) was also discussed and Mr. von Gonten reported that the revised AP had not been reviewed and that an AP number, AP#53, had been assigned to the site. He stated that a separate document, an Interim Investigation Report – could be submitted to the agency summarizing the results of the October 2007 investigation.

The legal description of the Site is the NW/4 of the SE/4 of Section 34, Township 21 South, Range 37 East, Lea County, New Mexico (FIGURE 1). The Site is situated immediately southeast of the town of Eunice, New Mexico and is associated with a release of fluids from the reserve pit utilized in the drilling of the Mark Owen #9 oil well by Chevron in 2005. Global Positioning System (GPS) coordinates for the site are Latitude 32° 25'56.49" North and Longitude 103° 08' 46.27 West. The O-GRID number assigned to the Site is reported as #4323. According to the Form C-141 filed for the release (APPENDIX A), the release was verbally reported to the agency in Santa Fe on May 11, 2006 with a written letter of acknowledgement to Mr. Wayne Price on May 19, 2006. The Mark Owen #9 well site is currently operated by Chevron USA.

The purpose of this Interim Investigation Report is to summarize the results of the October 2007 site investigation activities that included the installation of seven borings around the perimeter of the Owen #9 reserve pit. Four of the borings were converted into groundwater monitoring wells that were sampled on November 1, 2007. This report includes boring/monitor well logs, tabulation of soil and groundwater analytical data, groundwater gradient and chloride concentration (in groundwater) maps as well as cross sections of the reverse pit and surrounding areas. CRA understands that this information can be utilized by the NMOCD in concert with the evaluation of the Revised Stage 1 AP report already submitted.

2.0 REGULATORY FRAMEWORK AND SITE CLASSIFICATION

The NMOCD has regulatory jurisdiction over oil and gas production operations including crude oil pipeline spills and closure activities in the State of New Mexico. This project is conducted under the regulatory jurisdiction of the NMOCD, which requires the vadose zone shall be abated so that water contaminants in the vadose zone will not, with reasonable probability, contaminate groundwater or surface water (toxic pollutants as defined in 20.6.2.7 New Mexico Administration Code; NMAC, shall not be present) through leaching, percolation, or other transport mechanisms (19.15.1.19 NMAC, Subsection B, Paragraphs 1 and 2). The NMOCD hydrocarbon soil remediation levels are determined by ranking criteria on a site-by-site basis, which is outlined in the NMOCD *Guidelines for Remediation of Spills, Leaks, and Releases*, dated August 13, 1993. The ranking criteria are based on three site characteristics: depth to groundwater, wellhead protection, and distance to surface water.

Site Ranking Criteria and Scoring

CHARACTERISTIC	SELECTION	SCORE
Depth to Groundwater	<50 feet	20
Wellhead Protection Area	>1,000 feet	0
Distance to Surface Water	>1,000 feet	0

Total Score= 20

Groundwater information obtained from the Site indicates that the depth-to-groundwater at the Site is approximately 30-feet below ground surface (bgs) in the Tertiary Ogallala Formation. Information collected as part of this soil assessment illustrated that total petroleum hydrocarbon concentrations above regulatory levels were detected in the soil borings at depths ranging from 10-30 feet bgs. Based on these Site characteristics and associated NMOCD-ranking criteria presented in the table below, the following soil hydrocarbon recommended remediation action levels are applicable at the Site: benzene- 10 parts-per-million (ppm), BTEX - 50 ppm and TPH- 100 ppm. Analytical results for soil data are reported in mg/Kg, which are equivalent to the ppm reporting units. Note that the depth to groundwater characteristic is defined by the NMOCD as "the vertical distance from the lowermost contaminants to the seasonal high water elevation of the groundwater."

Soil Recommended Remediation Action Levels

Contaminant of Concern	>19 Score	10-19 Score	0-9 Score
Benzene (mg/Kg)	10	10	10
Total BTEX (mg/Kg)	50	50	50
TPH (mg/Kg)	100	1,000	5,000

There are no specified chloride soil cleanup standards in the NMOCD's 1993 guidance. The New Mexico Water Quality Control Commission (NMWQCC) has specified in NMAC 20.6.2.3103 A and B numerical groundwater Human Health Standards and Other Standards for Domestic Water Supply, respectively, for various contaminants and compounds. Applicable groundwater standards have been referenced in the groundwater tables associated with this investigation (TABLES III & IV).

3.0 SOIL AND GROUNDWATER INVESTIGATION ACTIVITIES

Seven soil borings, of which four were converted into groundwater monitoring wells, were installed at the release site in October 2007 to evaluate the horizontal and vertical extent of impacted soils and groundwater associated with the indicated release of drilling fluids from the Owen #9 reserve pit. The respective locations are presented in FIGURE 2.

3.1 FIELD METHODOLOGIES

Prior to mobilizing the drilling equipment to the Site, the boring location areas were marked and a utility notification made at least 48-hour prior to mobilization. A post-hole digger was utilized to clear each boring location to a depth of approximately 5-feet bgs and approximately 10-inches in diameter.

An air-rotary rig, operated by a licensed State of New Mexico water well driller (White Drilling of Clyde, Texas), was utilized to advance the borings to depths ranging from 30 to 57-feet bgs) to assess the nature and extent of hydrocarbon and chloride impacted soils at the release site. The soil sampling plan included the collection of soil samples in five-foot intervals. Soil samples were field screened with a photo-ionization detector (PID) to measure the relative concentration of volatile organic compounds (VOCs) of the samples using the "heated headspace method." Soil samples collected for laboratory analysis were based on field observations and VOC measurements. The field geologist recorded the subsurface lithology and sample data on soil boring logs. The selected soil samples from each boring were shipped to TestAmerica, Inc of Houston, Texas using EPA-approved chain-of-custody procedures and analyzed for total petroleum hydrocarbons by (TPH) by EPA Method 8015 modified for diesel range organics (DRO) and gasoline range organics (GRO) and analysis of benzene, toluene, ethylbenzene and xylenes (BTEX) by EPA Method 8021B. Soil samples were also analyzed for chlorides by SW-846 Method 9056.

The groundwater monitoring well construction and spacing were designed for soil and groundwater remedial evaluations as well as for monitoring purposes. The four monitoring wells were terminated within the top 1-2 feet of the underlying Triassic ("redbed") Formation approximately 50 feet below the ground surface. General well specifications included: four-inch diameter PVC casing/screens with gravel-packed screened intervals (35 feet of screen) to straddle the soil/groundwater interface, bentonite seals above the gravel pack, and above ground surface completions with concrete pads. The drill cuttings were stockpiled along southeast corner of the reserve pit. The wells were developed by bailing and purge water was containerized in properly labeled, 55-gallon, steel, DOT approved drums.

3.2 SOIL ASSESSMENT RESULTS

Seven soil borings penetrated the vadose zone interval as part of the investigation activities performed October 22-24, 2007 at the Site. The soil intervals are generally described as surficial loose sand section in the top 2' to 4' bgs (Quaternary eolian deposits), underlain by the Tertiary Ogallala Formation comprised of sands, silts with

varying amounts of indurated calcium carbonate stringers that that are poorly to very well consolidated. The Ogallala Formation is approximately 50 feet thick at the site with the top of the groundwater occurring approximately 30' bgs. Four borings penetrated the top 1-2 feet of the Triassic redbeds (clay) at depths ranging from 50-57' bgs.

TABLE I - Soil Analytical Summary presents soil data collected from the seven soil borings installed in the October drilling program. Samples were generally analyzed from the 9-10'; 19-20' and 29-30' intervals in each boring. Samples were evaluated for TPH (GRO/DRO), BTEX and Chloride concentrations and compared to NMOCD Recommended Remediation Action Levels (RRALs) as appropriate. There are no NMOCD numerical RRALs for chlorides in soils. The TPH RRAL of 100 mg/kg in SB-1/MW-1 (9-10') was exceeded with a concentration of 220 mg/kg. This location appears to be isolated and may be associated with flowlines in the vicinity. As shown on TABLE I - TPH RRALs were also exceeded in the capillary fringe interval in SB-5/MW-2, SB-6/MW-3 and SB-7/MW-4. No other NMOCD RRALs (inc. BTEX) were exceeded in the samples analyzed.

FIGURE 3 presents two cross sections of four soil borings located around the perimeter of the reserve pit excavation. The illustration demonstrates elevated chloride concentrations are limited to the area around SB-7/MW-4. The maximum chloride soil concentration at this location ws 1,080 mg/kg in the 19-20 foot interval – with chloride concentrations decreasing to 217 mg/kg in the 29-30 foot sample. Chloride impacted soils do not appear to be present at the other three boring locations depicted on the cross sections. There are no NMOCD numerical RRALs for chlorides in soils.

Certified laboratory analytical reports are included in APPENDIX B. Soil boring logs - presenting lithologic descriptions, PID readings and analytical results are found in APPENDIX C.

3. 3 GROUNDWATER ASSESSMENT RESULTS

Four soil borings were converted into four-inch groundwater monitoring wells (MW-1, MW-2, MW-3 and MW-4) at each location utilizing 35 feet of screen and PVC casing to three feet above the ground surface. The wells have above-ground surface completions with protective bollards at this oil well location. Groundwater was encountered approximately 30 feet bgs with the base of the uppermost groundwater bearing unit at approximately 50 feet bgs. Logs and details soil boring and monitoring well construction details are included in APPENDIX C and New Mexico Office of the State Engineer Well Records are provided in APPENDIX D.

Depth to groundwater and related measurements and information pertaining to the monitoring wells are presented in TABLE II – Groundwater Gauging Summary. A Topographic Survey of Monitor Wells and Soil Bore Locations, utilized to calculate top of casing (TOC) elevations and depth to groundwater elevations, is presented in APPENDIX E. The survey was performed by West Company of Midland, Inc. on December 10, 2007.

The November 2007 Groundwater Gradient Map (FIGURE 4), depicts groundwater direction and elevation information based on data collected from the November 1, 2007 groundwater monitoring event. The map shows a Site groundwater gradient toward the south at rate of approximately 0.004 feet/foot (1.5'/365').

Groundwater samples were collected after three wetted monitor well casings were removed from the wellbore to obtain representative samples of the Ogallala aquifer. Samples from each of the four monitoring wells (and one duplicate) were shipped to TestAmerica, Inc of Houston, Texas using EPA-approved chain-of-custody procedures. The water samples were analyzed for total petroleum hydrocarbons by (TPH) by EPA Method 8015 modified for diesel range organics (DRO) and gasoline range organics (GRO) and analysis of benzene, toluene, ethylbenzene and xylenes (BTEX) by EPA Method 8021B. Additionally, samples were analyzed for RCRA 8 Metals by EPA Methods 6010B/7470A and groundwater quality (total alkalinity, chloride, sulfate and total dissolved solids) by EPA Methods 160.1, 300.0 and 310.1. The November 2007 Chloride Concentration Map (FIGURE 5) shows an interpretation of the extent of chloride concentrations above the NMWQCC (NMAC 20.6.2.3103B – Other Standards for Domestic Water Supply) groundwater protection standard of 250 mg/L from the November 1, 2007 sampling event. The areal extent of the chloride impacted groundwater above the regulatory standard is estimated at approximately 300 feet long by 180 feet wide. Two wells exhibited chloride and TDS concentrations above the applicable NMWQCC standard, MW-1 at 332 mg/L and 1,010 mg/L and MW-4 at 6,360 mg/L and 12,100 mg/L, respectively. MW-2 and MW-3 were analyzed to have groundwater concentrations below the NMWQCC Domestic Water Supply Standard.

All four monitoring wells exhibited BTEX and RCRA 8 metals concentrations below NMWQCC (NMAC 20.6.2.3103A – Human Health) standards. The groundwater analytical summaries (including comparisons to applicable NMWQCC standards) are provided in TABLES III and IV. Certified laboratory reports and chain-of-custody documentation for the groundwater samples are presented in APPENDIX B.

4.0 SUMMARY OF FINDINGS

Based on soil and groundwater assessment activities performed by CRA at the Site in October and November, 2007, the summary of findings include the following:

- A release of an unknown quantity of brine water from the Mark Owen #9 reserve pit was reported to the NMOCD subsequent to pit sampling activities on May 11, 2006. The release impacted groundwater as reported on NMOCD Form C-141. The release occurred on property owned by Mr. Bill Stephens.

- CRA/CEMC has yet to receive comments on a Revised Stage 1 AP Plan (AP#53) that was submitted to the NMOCD on March 13, 2007. Consequently, a Site investigation was performed in October 2007 and a groundwater sampling event conducted on November 1, 2007.

- Per NMOCD's direction on January 15, 2008 – this Interim Investigation Report has been prepared to present the results of the fourth quarter 2007 investigation and sampling events. CEMC understands this information can be used to supplement the information and activities presented in the Revised Stage 1 AP.

- Seven soil borings of which four were converted into groundwater monitoring wells were installed at the release site in October 2007 to evaluate the horizontal and vertical extent of impacted soils and groundwater.

- The soil intervals at the Site are generally described as loose sand section in the top 2 feet bgs underlain by a caliche, silt and sand interval (Ogallala Formation) to approximately 50 feet below the ground surface. Groundwater was encountered approximately 30' bgs in the vicinity of the reserve pit. A red clay interval (Triassic redbeds) was encountered directly below the Ogallala Formation. The Triassic lithology serves as an aquiclude in this area.

- The cross sections bisecting the reserve pit illustrate that the vertical and horizontal extent of elevated chloride soil impacts appear to be limited to the immediate area northwest of the reserve pit.

- There are no NMOCD numerical RRALs for chlorides in soils. Based on the soil assessment activities previously performed (see Revised Stage 1 AP) and the October 2007 investigation – the vertical and horizontal extent of elevated chloride impacted soil have been effectively delineated.

- The TPH RRAL of 100 mg/kg in SB-1/MW-1 (9-10') was exceeded with a concentration of 220 mg/kg. This location appears to be isolated from the reserve pit and may be associated with flowlines in the vicinity. Based on the soil assessment activities, additional assessment and remedial activities are indicated in this area. These tasks may be performed independent or concurrent with proposed soil remediation activities submitted as part of the Revised Stage 1 AP. The remedial activities most likely would involve excavation and hauling of soil to NMOCD-permitted facility and confirmation sampling - standard crude oil cleanup.

- As shown on TABLE I - TPH Soil RRALs were also exceeded in the capillary fringe interval in SB-5/MW-2, SB-6/MW-3 and SB-7/MW-4. However, BTEX and the GRO TPH analytes were not detected above method detection limits. It is noted that data collected from the four groundwater monitoring wells sampled in November 1, 2007 did not detect BTEX above the laboratory detection limit and detected TPH only in MW-2 (1.8 mg/L).
- Based on data collected from the November 1, 2007 groundwater monitoring event the Site groundwater gradient is toward the south at rate of approximately 0.004 feet/foot (1.5'/365').
- The areal extent of the interpreted chloride impacted groundwater above the applicable regulatory standard of 250 mg/L is estimated at approximately 300 feet long by 180 feet wide. Two wells exhibited chloride and TDS concentrations above the applicable groundwater standards, MW-1 at 332 mg/L and 1,010 mg/L and MW-4 at 6,360 mg/L and 12,100 mg/L, respectively.
- All four monitoring wells exhibited BTEX, Sulfate, and RCRA 8 metals concentrations below their respective NMWQCC standards.

Based on the findings of the Interim Investigation Report, the vertical and horizontal extent of impacted soil and groundwater from the release of fluids from the Owen #9 reserve pit have been effectively delineated. CRA requests on behalf of CEMC, that the findings of this Interim Investigation Report be taken into consideration with the Revised Stage 1 AP submitted to the NMOCD on March 13, 2007. Pending NMOCD directives, CEMC is prepared to move forward with proposed Stage 1 AP activities and associated conditions as warranted.

All of Which is Respectfully Submitted,

CONESTOGA-ROVERS & ASSOCIATES

Thomas C. Larson
Senior Project Geologist

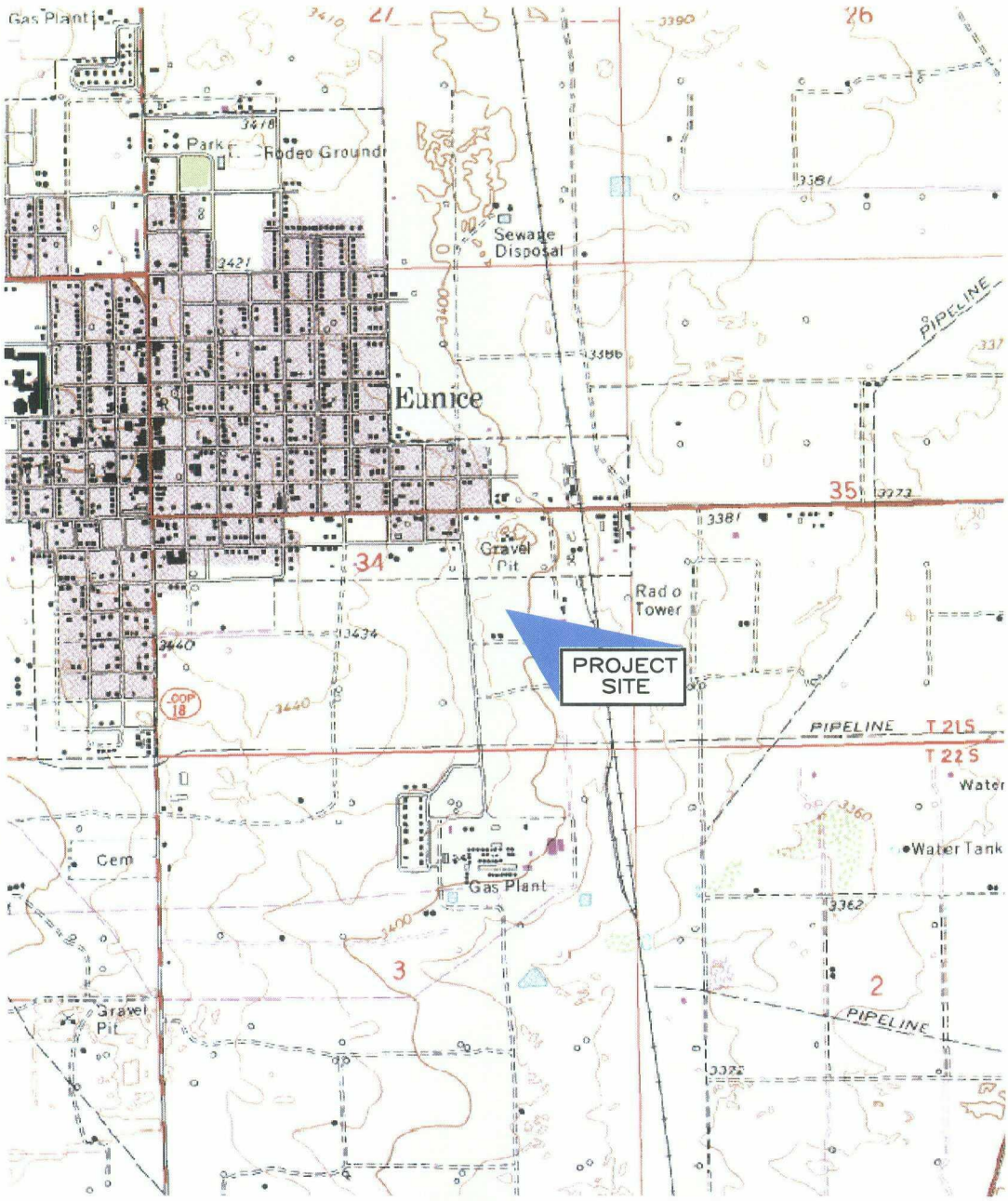
James Ornelas
Senior Project Manager

FIGURES

EUNICE QUADRANGLE
NEW MEXICO

LAT= 32° 25' 56.9" N
LONG= 103° 08' 47.9"W

PHOTOREVISED 1977



USGS MAP SERIES 1:24000

0 1/2 1 2
(Miles)

0 2000 4000 6000 8000
(Feet)

CONTOUR INTERVAL 5 FEET

figure 1

SITE LOCATION MAP
MARK OWEN #9 RESERVE PIT
NW/4 OF SE/4 SECTION 34; T-21-S, R-37-E LEA CO., NM
Chevron Environmental Management Company

046121-00(004)GN-MD001 DEC 18/2007

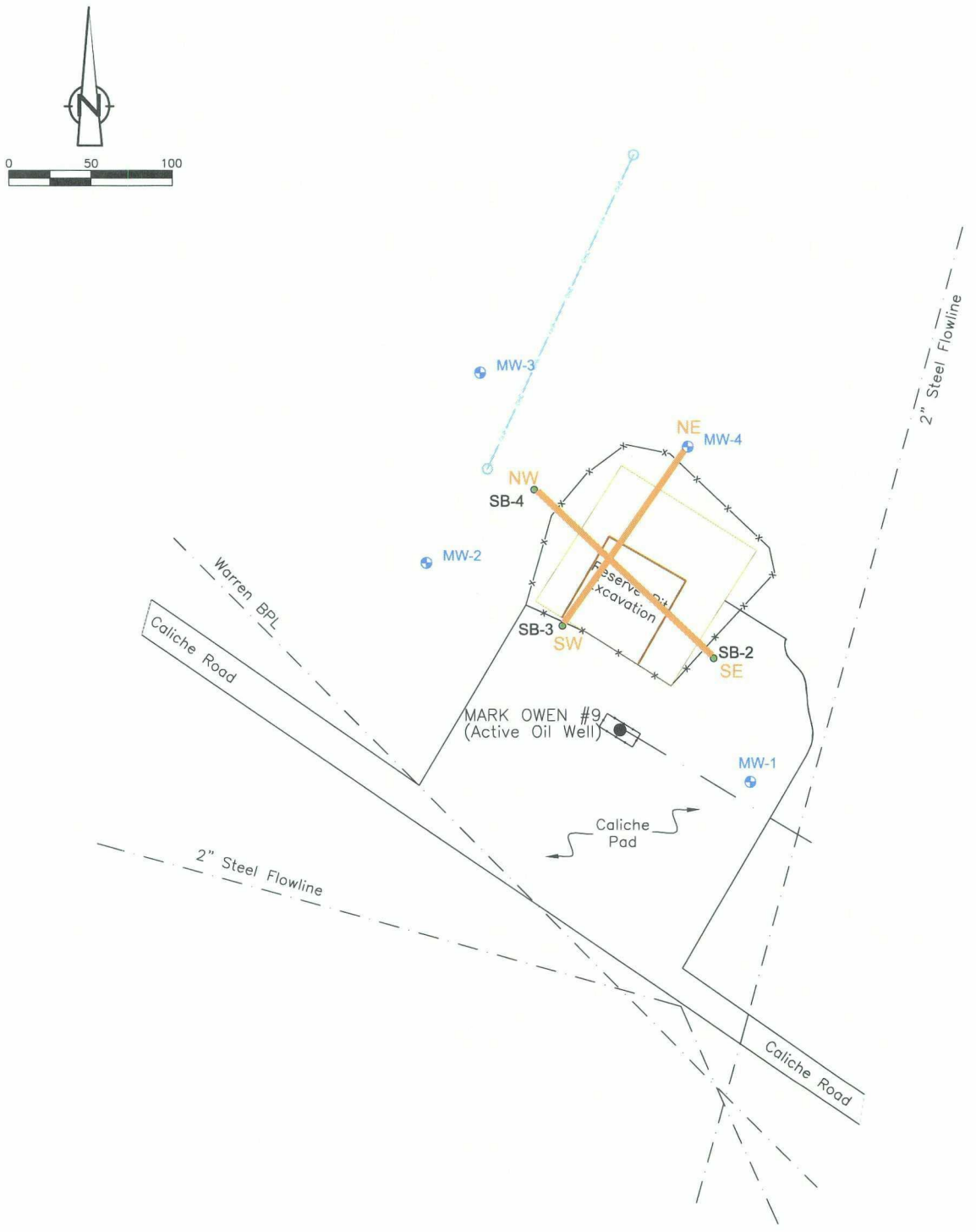
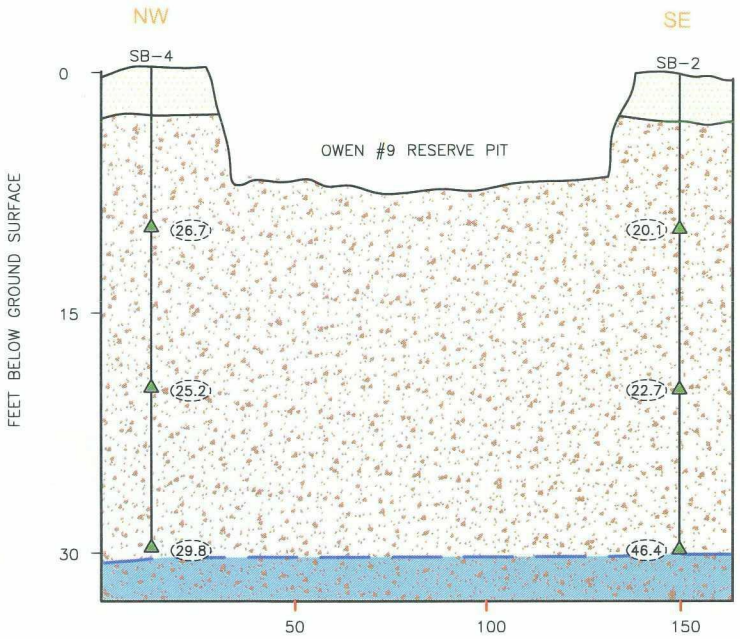
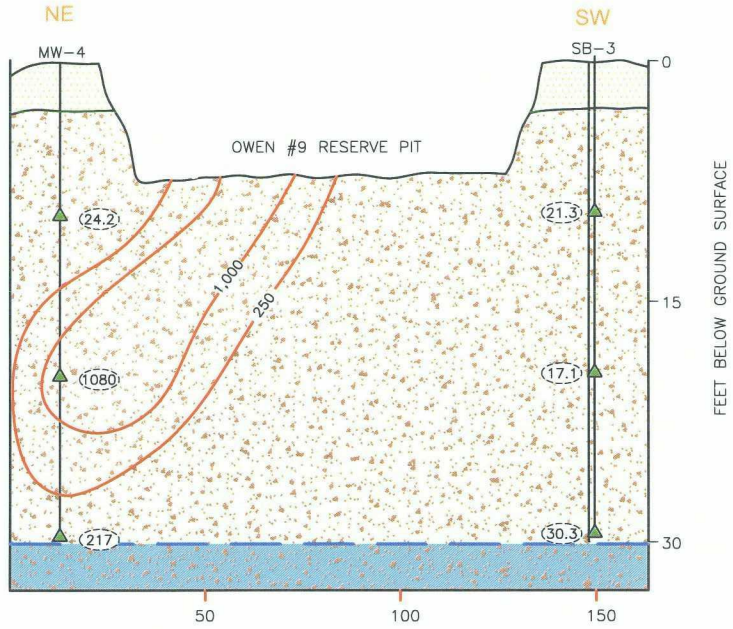


figure 2

SITE DETAILS MAP
MARK OWEN #9 RESERVE PIT
NW/4 OF SE/4 SECTION 34; T-21-S, R-37-E LEA CO., NM
Chevron Environmental Management Company





LEGEND

- Quarternary eolian sand deposits: red-brown, unconsolidated, fine grained
- Tertiary Ogallala Formation: sands, silts, indurated calcium carbonate (caliche), poor to well consolidated
- Groundwater
- 1,000 — Chloride Contour (mg/kg) Interval variable 1,000 – 250 in soils
- (20.1) Chloride analytical concentration in soils (mg/kg)
- ▲ Soil Sample Location
- — — Groundwater (potentiometric) surface; measured or inferred

NOTES:

1. Line of Sections presented in FIGURE 2.
2. Borings/wells installed in October 2007.

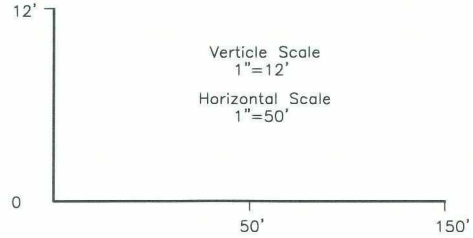
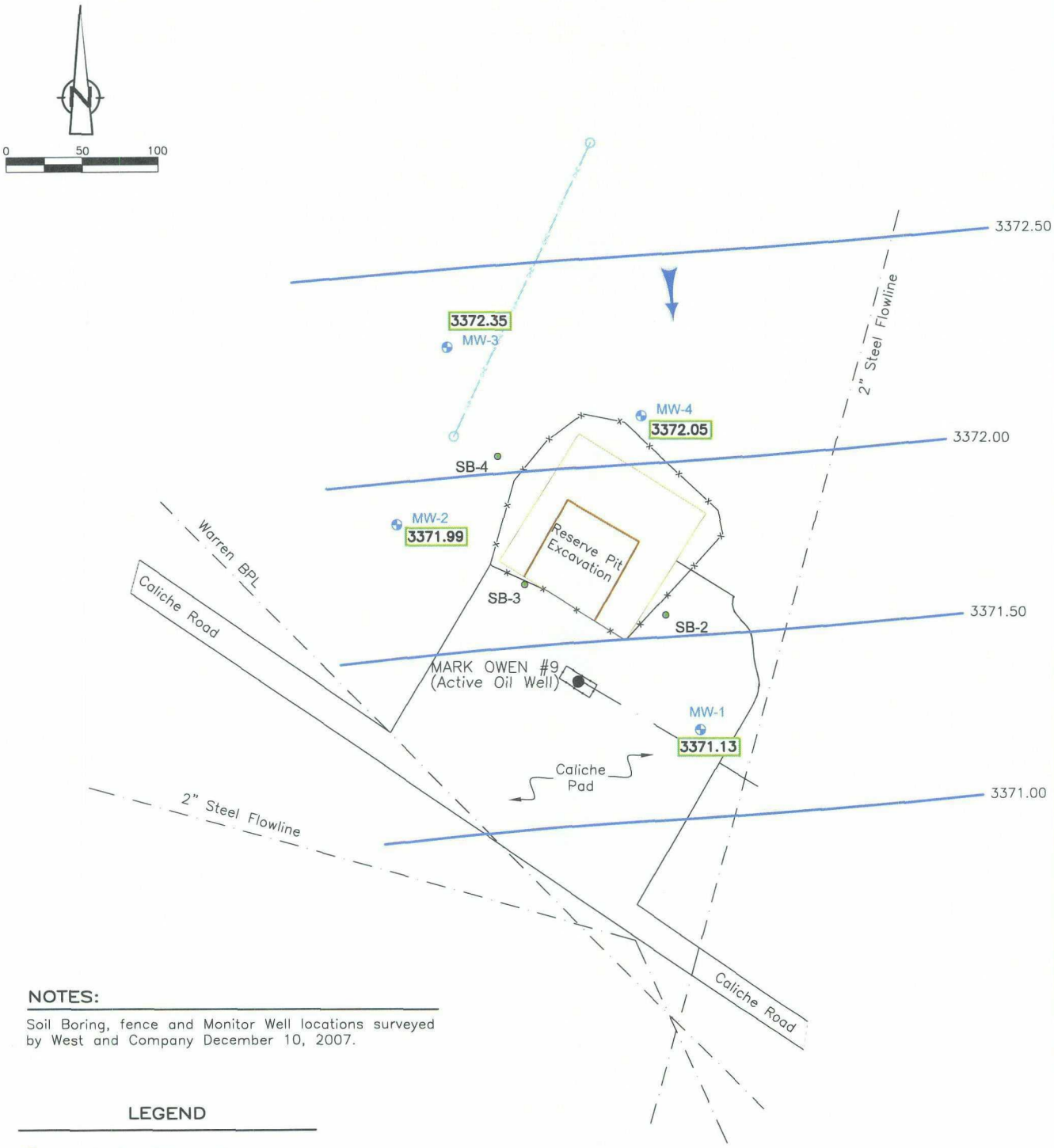


figure 3

RESERVE PIT CROSS SECTIONS
MARK OWEN #9 RESERVE PIT
NW/4 OF SE/4 SECTION 34; T-21-S, R-37-E LEA CO., NM

Chevron Environmental Management Company



NOTES:

Soil Boring, fence and Monitor Well locations surveyed by West and Company December 10, 2007.

LEGEND

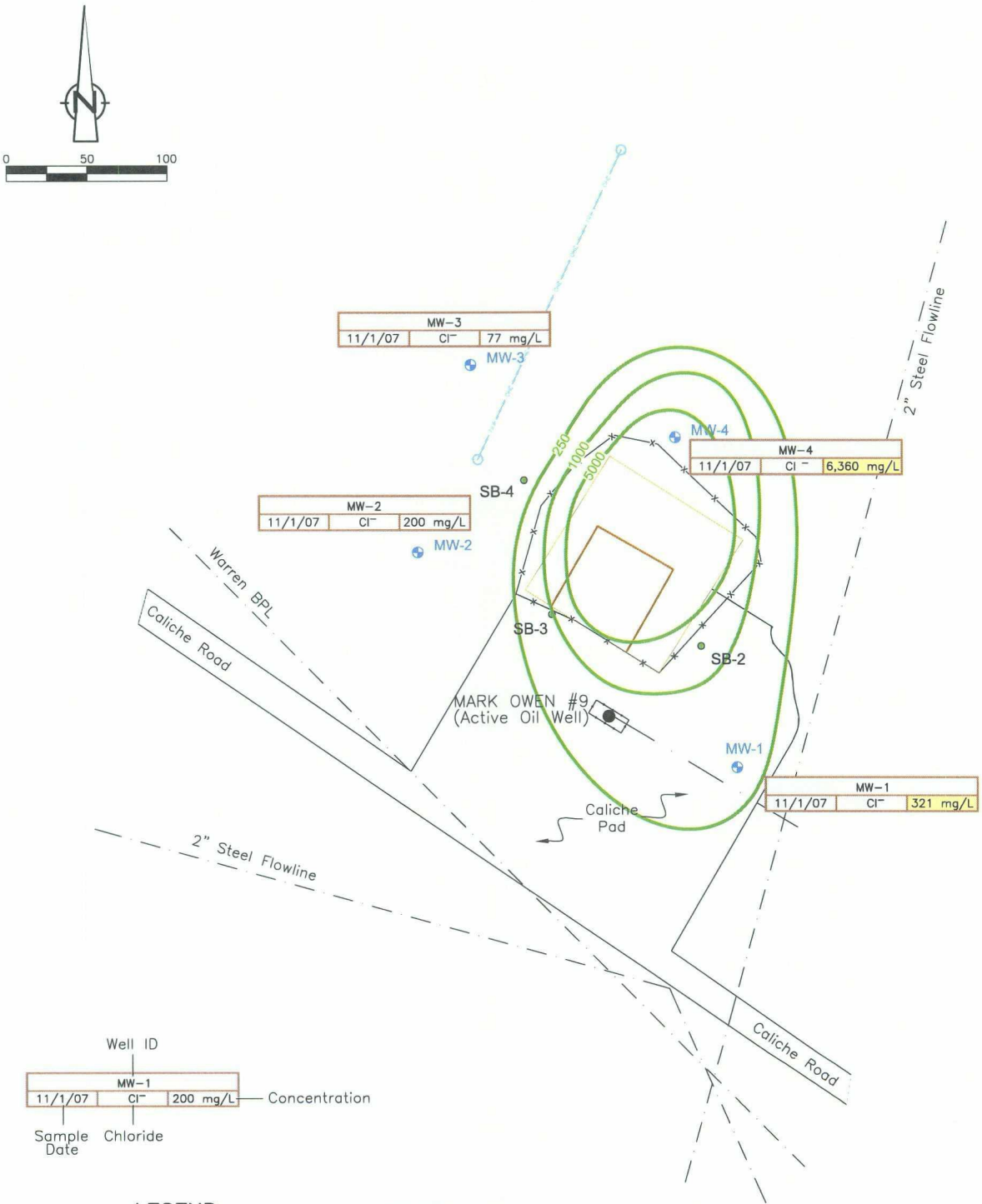
- Monitor Well Location
- Oil Well Location
- Soil Boring Location
- Direction of Groundwater Flow
- Groundwater Elevation Contour (Interval = 0.50 ft)
- 3371.13 Elevation of Groundwater (ft)

figure 4

NOVEMBER 2007 GROUNDWATER GRADIENT MAP
MARK OWEN #9 RESERVE PIT
NW/4 OF SE/4 SECTION 34; T-21-S, R-37-E LEA CO., NM

Chevron Environmental Management Company

046121-00(004)GN-MD003 FEB 07/2008



LEGEND

- Monitor Well Location
- Oil Well Location
- Soil Boring Location
- Chloride Contour (mg/L) Variable 250 – 5,000

NOTE:

1. Soil Boring, fence and Monitor Well locations surveyed by West and Company December 10, 2007.
2. Monitor wells installed October 22–24, and sampled November 1, 2007.
3. Chloride concentrations above 250 mg/L (NMWQCC groundwater protection standard) highlighted in yellow.

figure 5

NOVEMBER 2007 CHLORIDE CONCENTRATION MAP
MARK OWEN #9 RESERVE PIT
NW/4 OF SE/4 SECTION 34; T-21-S, R-37-E LEA CO., NM

Chevron Environmental Management Company

TABLES

TABLE I

SUMMARY OF SOIL ANALYTICAL DATA – BTEX/TPH/CHLORIDES
Owen #9 Assessment
Eunice, NM

SAMPLE ID	DATE	DEPTH (feet)	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL-BENZENE (mg/Kg)	XYLENES (mg/Kg)	TOTAL BTEX (mg/Kg)	CHLORIDE (mg/Kg)	TPH (8015 Modified)		
									TPH GRO (mg/Kg)	TPH DRO (mg/Kg)	TPH (GRO/DRO) (mg/Kg)
New Mexico Oil Conservation Division Recommended Remediation Action Levels (Total Ranking Score >19)											
			10 mg/Kg	---	---	---	50.0 mg/Kg	---	---	---	100 mg/Kg
Soil Boring Samples											
SB-1/MW-1 9-10'	10/22/2007	9-10	<0.00248	<0.00683	<0.00592	<0.001819	BDL	**74.4**	0.324J	**220**	**220**
SB-1/MW-1 19-20'	10/22/2007	19-20	<0.00254	<0.00699	<0.00607	<0.001869	BDL	**302**	0.392J	<1.25	<1.25
SB-1/MW-1 29-30'	10/22/2007	29-30	<0.00229	<0.0063	<0.00547	<0.0168	BDL	**168**	0.317J	<1.13	<1.13
SB-2 9-10'	10/23/2007	9-10	<0.00241	<0.00663	<0.00575	<0.01766	BDL	**20.1**	0.399J	<1.19	<1.19
SB-2 19-20'	10/23/2007	19-20	<0.00238	<0.00656	<0.00569	<0.01747	BDL	**22.7**	0.423J	<1.18	<1.18
SB-2 29-30'	10/23/2007	29-30	<0.00247	<0.00681	<0.00591	<0.01815	BDL	**46.4**	0.361J	<1.22	<1.22
SB-3 9-10'	10/23/2007	9-10	<0.00216	<0.00594	<0.00515	<0.01582	BDL	**21.3**	0.397J	**78**	**78**
SB-3 19-20'	10/23/2007	19-20	<0.00215	<0.00592	0.01010J	0.0201J	BDL	**17.1**	0.306J	<1.06	<1.06
SB-3 29-30'	10/23/2007	29-30	<0.00258	0.00717J	<0.00616	<0.0189	BDL	**30.3**	0.314J	**16**	**16**
SB-4 9-10'	10/23/2007	9-10	<0.00223	<0.00613	<0.00532	<0.01634	BDL	**26.7**	0.372J	**13**	**13**
SB-4 19-20'	10/23/2007	19-20	<0.00255	<0.00704	<0.0061	<0.01874	BDL	**25.2**	0.334J	<1.26	<1.26
SB-4 30-31'	10/23/2007	30-31	<0.00239	<0.00659	0.00828J	<0.01755	BDL	**29.8**	0.354J	<1.18	<1.18
SB-5/MW-2 9-10'	10/23/2007	9-10	<0.00229	<0.00631	<0.00547	<0.01680	BDL	**12**	0.368J	<1.13	<1.13
SB-5/MW-2 19-20'	10/23/2007	19-20	<0.0025	<0.00689	<0.00598	<0.01836	BDL	**20.9**	0.331J	<1.24	<1.24
SB-5/MW-2 33-34'	10/23/2007	33-34	<0.00216	<0.00596	<0.00517	<0.01589	BDL	**35**	0.330J	**320**	**320**
SB-6/MW-3 9-10'	10/24/2007	9-10	<0.00222	<0.00612	<0.00531	<0.01631	BDL	**20.5**	0.241J	<1.1	<1.1
SB-6/MW-3 19-20'	10/24/2007	19-20	<0.00209	<0.00574	<0.00498	<0.01531	BDL	**14.1**	0.315J	<1.03	<1.03
SB-6/MW-3 31-32'	10/24/2007	31-32	<0.00253	<0.00697	<0.00604	<0.01856	BDL	**43.1**	0.330J	**250**	**250**
SB-7/MW-4 9-10'	10/24/2007	9-10	<0.00258	<0.00711	<0.00617	<0.01895	BDL	**24.2**	0.352J	**26**	**26**
SB-7/MW-4 19-20'	10/24/2007	19-20	<0.00206	<0.00569	<0.00493	<0.01516	BDL	**1080**	0.358J	**15**	**15**
SB-7/MW-4 29-30'	10/24/2007	29-30	<0.00263	<0.00726	<0.00629	<0.01933	BDL	**217**	0.389J	**410**	**410**

Notes:

BTEX analysis by EPA Method 8021.
TPH analysis by EPA Method 8015 Modified.
Chloride analysis by SW-846 Method 9056
Bold concentrations above lab reporting limits.
Highlighted Concentrations above NMOCD RRALs.
BDL - below laboratory detection limits
J = estimated value between RL & MDL

TABLE II

GROUNDWATER GAUGING SUMMARY
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
OWEN #9 RESERVE PIT RELEASE
NW/4, SE/4, SECTION 34, TOWNSHIP 21 SOUTH, RANGE 37 EAST
LEA COUNTY, NEW MEXICO

WELL *TOC elev*[1]	DATE	Well Diameter (inches)	Total Depth (ft below TOC)	Depth to Water (ft below TOC)	Depth to LNAPL (ft below TOC)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft above MSL[2])	Screen interval (bgs[3])
MW-01	11/1/2007	4	54.00	32.55	---	---	3371.13	
3,403.68					---	---		16'-51'
					---	---		
MW-02	11/1/2007	4	60.00	36.24	---	---	3371.99	
3,408.23					---	---		22'-57'
					---	---		
MW-03	11/1/2007	4	56.50	34.69	---	---	3372.35	
3,407.04					---	---		19'-54'
					---	---		
MW-04	11/1/2007	4	54.00	32.69	---	---	3372.05	
3,404.74					---	---		16'-51'
					---	---		

Notes:
[1]TOC - Top of Casing
[2]MSL - Mean Sea Level
[3]BGS - Below ground surface
Professional Survey conducted by West Company of Midland, Inc. on December 10, 2007.

TABLE III
GROUNDWATER ANALYTICAL SUMMARY
OWEN #9 ASSESSMENT
EUNICE, NEW MEXICO

Sample ID	Sample Date	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	TPH		
						GRO	DRO	Total
New Mexico Water Quality Control Commission Standard								
		0.01	**0.75**	**0.75**	**0.62**	---	---	---
MW-1	11/1/07	<0.00006	<0.0001	<0.00012	<0.00021	<0.02014	<0.36	<0.38014
MW-2	11/1/07	<0.00006	0.00035J	<0.00012	<0.00021	<0.02014	**1.8**	**1.82014**
MW-3	11/1/07	<0.00006	0.0005J	<0.00012	<0.00021	<0.02014	<0.36	<0.38014
MW-4	11/1/07	<0.00006	0.00052J	<0.00012	<0.00021	<0.02014	<0.36	<0.38014
DUP	11/1/07	<0.00006	0.00054J	<0.00012	<0.00021	<0.02014	<0.36	<0.38014

Notes:

1) **Bold** concentrations above lab reporting limits.
2) BTEX analysis by EPA Method 8021B
3) TPH (GRO/DRO) analysis by EPA Method 8015 Modified.
4) Results shown in mg/L.
5) J = estimated value between RL & MDL

TABLE IV
SUMMARY OF GROUNDWATER ANALYTICAL DATA - METALS AND GROUNDWATER QUALITY
OWEN #9 ASSESSMENT
EUNICE, NEW MEXICO

Sample I. D. No.	Date	RCRA Metals								Groundwater Quality			
		Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Lead (mg/L)	Mercury (mg/L)	Selenium (mg/L)	Silver (mg/L)	Total Alkalinity ($CaCO_3$) (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Total Dissolved Solids (mg/L)
NMWQCC Human Health Standards for Groundwater[1]										NMWQCC Other Standards for Domestic Water Supply[2]			
		0.1 mg/L	1.0 mg/L	0.01 mg/L	0.05 mg/L	0.05 mg/L	0.002 mg/L	0.05 mg/L	0.05 mg/L		250 mg/L	600 mg/L	1000 mg/L
MW-1	11/01/07	0.0144B	**0.0839**	<0.00073	<0.00155	<0.0021	<0.000053	0.00752B	<0.00125	**201**	321	84.4	1,010
MW-2	11/01/07	0.0123B	**0.0979**	<0.00073	<0.00155	<0.0021	<0.000053	0.00403B	<0.00125	**187**	200	72.4	698
MW-3	11/01/07	0.0185B	**0.102**	<0.00073	<0.00155	<0.0021	<0.000053	0.00282B	<0.00125	**212**	77	40.6	476
MW-4	11/01/07	**0.0203**	**0.117**	<0.00073	<0.00205	<0.0021	<0.000053	0.00425B	<0.00125	**193**	6,360	180	12,100
DUP	11/01/07	0.0176B	**0.116**	<0.00073	<0.00155	<0.0021	<0.000053	0.00246B	<0.00125	**193**	6,170	189	12,800

Notes:

1) RCRA Metals Analysis by EPA Methods 6010B and 7470A.
2) Groundwater Quality by EPA Methods 160.1, 300.0, and 310.1.
3) **Bold** concentrations above lab reporting limits.
4) Higlighted concentrations above NMWQCC Other Standards for Domestic Water Supply.
5) [1] NMWQCC Human Health Standards Per NMAC 20.6.2.3103A
6) [2] NMWQCC Other Standards for Domestic Water Supply Per NMAC 20.6.2.3103B
7) B = estimated value between RL & MDL

APPENDICES

APPENDIX A

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

OPERATOR

X Initial Report X Final Report

Name of Company CHEVRON	Contact Larry Williams
Address P.O. Box 1949 Eunice NM. 88231	Telephone No. 505-394-1247 (office), 505-390-7165 (cell)
Facility Name- Mark Owen #9	Facility Type – Oil well

Surface Owner- Bill Stevens	Mineral Owner – Bill Stevens	Lease No.

LOCATION OF RELEASE API # 30-025-37189

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
J	34	21S	37E					Lea

Latitude_32-25'-56.9"N_____ Longitude_103-08'47.9"W_____

NATURE OF RELEASE

Type of Release- Drilling Water	Volume of Release Unknown BW	Volume Recovered- 0
Source of Release- Drilling pit	Date and Hour of Occurrence- Unknown	Date and Hour of Discovery 05/11/2006
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Verbal to Santa Fe With letter of acknowledgement from Wayne Price	
By Whom? Larry Williams	Date and Hour 05/11/2007 verbal Written 05/19/06	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
After removing all drilling mud and cuttings from drilling pit, sampling was done to determine if soil had been contaminated. After using track hoe to check for chlorides, it was determined that we need to do borings to determine the depth of contamination in the pit. On the return side of the pit we found that we had chloride contamination at ground water of 1,711mg/kg. At that time EPI notified NMOCD in Santa Fe of possible ground water impact with chlorides.

Describe Area Affected and Cleanup Action Taken.* Drilling pits. Turned over to CEMC with Chevron to do final clean up and summit work plan.

Chlorides 22,000 ppm Ground water 35 to 40 feet

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature:	OIL CONSERVATION DIVISION	
Printed Name: Larry Williams	Approved by District Supervisor:	
Title: Operations Rep	Approval Date:	Expiration Date:
E-mail Address: LCWL@chevron.com	Conditions of Approval:	Attached ☐
Date: 11/26/2007 Phone: 505-394-1247		

* Attach Additional Sheets If Necessary

APPENDIX B

STL

ANALYTICAL REPORT

JOB NUMBER: 344439
Project ID: MARK OWEN 9

Prepared For:

Conestoga-Rovers and Associates
2270 Springlake Road
Suite 800
Dallas, TX 75234

Attention: Arthur Greeley

Date: 11/06/2007

Signature

11/06/07
Date

Name: Sachin G. Kudchadkar

Title: Project Manager III

E-Mail: sachin.kudchadkar@testamericainc.com

TestAmerica Laboratories, Inc
6310 Rothway Drive
Houston, TX 77040

PHONE: 713-690-4444

TOTAL NO. OF PAGES 49

STL

11/06/2007

Arthur Greeley
Conestoga-Rovers and Associates
2270 Springlake Road
Suite 800
Dallas, TX 75234

Reference:
Project : MARK OWEN 9
Project No. : 344439
Date Received : 10/26/2007
TestAmerica Job : 344439

Dear Arthur Greeley:

Enclosed are the analytical results for your project referenced above. The following samples are included in the report.

1. SB-1/MW-1 9-10'	2. SB-1/MW-1 19-20'
3. SB-1/MW-1 29-30	4. SB-2 9-10'
5. SB-2 19-20'	6. SB-2 29-30'
7. SB-3 9-10'	8. SB-3 19-20'
9. SB-3 29-30'	10. SB-4 9-10'
11. SB-4 19-20'	12. SB-4 30-31'
13. SB-5/MW-2 9-10'	14. SB-5/MW-2 19-20'
15. SB-5/MW-2 33-34'	16. SB-6/MW-3 9-10'
17. SB-6/MW-3 19-20'	18. SB-6/MW-3 31-32'
19. SB-7/MW-4 9-10'	20. SB-7/MW-4 19-20'
21. SB-7/MW-4 29-30'	22. TRIP BLANK

All holding times were met for the tests performed on these samples.

Enclosed, please find the Quality Control Summary. All quality control results for the QC batch that are applicable to the sample(s) are acceptable except as noted in the QC batch reports.

The test results in this report meet all QC requirements for TestAmerica Houston's QC limits. Any exceptions to these QC requirements will be noted and included in a case narrative as a part of this report.

If the report is acceptable, please approve the enclosed invoice and forward it for payment.

Thank you for selecting TestAmerica to serve as your analytical laboratory on this project. If you have any questions concerning these results, please feel free to contact me at any time.

STL

We look forward to working with you on future projects.

Sincerely,

Sachin G. Kudchadkar
Project Manager

6310 Rothway Drive • Houston, TX 77040 • Tel: 713 690 4444 • Fax: 713 690 5646 • www.stl-inc.com

SAMPLE INFORMATION
Date: 11/06/2007

Job Number.: 344439
Customer...: Conestoga-Rovers and Associates
Attn.....: Arthur Greeley

Project Number.....: 99007656
Customer Project ID....: MARK OWEN 9
Project Description....: Mark Owen 9

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
344439-1	SB-1/MW-1 9-10'	Soil	10/22/2007	12:30	10/26/2007	10:22
344439-2	SB-1/MW-1 19-20'	Soil	10/22/2007	12:50	10/26/2007	10:22
344439-3	SB-1/MW-1 29-30	Soil	10/22/2007	14:20	10/26/2007	10:22
344439-4	SB-2 9-10'	Soil	10/23/2007	08:40	10/26/2007	10:22
344439-5	SB-2 19-20'	Soil	10/23/2007	09:00	10/26/2007	10:22
344439-6	SB-2 29-30'	Soil	10/23/2007	09:20	10/26/2007	10:22
344439-7	SB-3 9-10'	Soil	10/23/2007	10:30	10/26/2007	10:22
344439-8	SB-3 19-20'	Soil	10/23/2007	10:50	10/26/2007	10:22
344439-9	SB-3 29-30'	Soil	10/23/2007	11:20	10/26/2007	10:22
344439-10	SB-4 9-10'	Soil	10/23/2007	12:20	10/26/2007	10:22
344439-11	SB-4 19-20'	Soil	10/23/2007	12:40	10/26/2007	10:22
344439-12	SB-4 30-31'	Soil	10/23/2007	13:00	10/26/2007	10:22
344439-13	SB-5/MW-2 9-10'	Soil	10/23/2007	15:00	10/26/2007	10:22
344439-14	SB-5/MW-2 19-20'	Soil	10/23/2007	15:20	10/26/2007	10:22
344439-15	SB-5/MW-2 33-34'	Soil	10/23/2007	15:50	10/26/2007	10:22
344439-16	SB-6/MW-3 9-10'	Soil	10/24/2007	08:40	10/26/2007	10:22
344439-17	SB-6/MW-3 19-20'	Soil	10/24/2007	09:00	10/26/2007	10:22
344439-18	SB-6/MW-3 31-32'	Soil	10/24/2007	09:40	10/26/2007	10:22
344439-19	SB-7/MW-4 9-10'	Soil	10/24/2007	12:40	10/26/2007	10:22
344439-20	SB-7/MW-4 19-20'	Soil	10/24/2007	13:00	10/26/2007	10:22
344439-21	SB-7/MW-4 29-30'	Soil	10/24/2007	13:30	10/26/2007	10:22
344439-22	TRIP BLANK	Water	10/24/2007	00:00	10/26/2007	10:22

LABORATORY TEST RESULTS

Job Number: 344439

Date:11/06/2007

CUSTOMER: Conestoga-Rovers and Associates | PROJECT: MARK OWEN 9 | ATTN: Arthur Greeley

Customer Sample ID: SB-1/MW-1 9-10'
Date Sampled.....: 10/22/2007
Time Sampled.....: 12:30
Sample Matrix.....: Soil

Laboratory Sample ID: 344439-1
Date Received.....: 10/26/2007
Time Received.....: 10:22

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
SM-2540 G Mod.	% Solids, Soil	80.7				0.01	1	%	187988		10/26/07 1700	enc
SM-2540 G Mod.	Moisture, Soil	19.3				0.01	1	%	187988		10/26/07 1700	enc
SW-846 9056	Chloride, Soil*	74.4			6.28	5.0	1	mg/Kg	188474		11/03/07 1655	sur
SW-846 8021B	GC Volatile Organics											
	Benzene, Soil*	2.48	U		2.48	12.4	1.0000	ug/Kg	188112		10/29/07 1051	mht
	Toluene, Soil*	6.83	U		6.83	12.4	1.0000	ug/Kg	188112		10/29/07 1051	mht
	Ethylbenzene, Soil*	5.92	U		5.92	12.4	1.0000	ug/Kg	188112		10/29/07 1051	mht
	Xylenes (total), Soil*	18.19	U		18.19	37.2	1.0000	ug/Kg	188112		10/29/07 1051	mht
SW-846 8015B	Total Volatile Petroleum Hydrocarbons											
	TVPH as GRO, Soil*	324	J		198.4	1238.76	1.0000	ug/Kg	188367		10/30/07 0848	mht
SW-846 3550B	Extraction (Ultrasonic) DRO											
	Ultrasonic Extraction, Soil*	Complete					1		188312		10/31/07 1100	mra
SW-846 8015B	Total Extractable Petroleum Hydrocarbons											
	TEPH - as Diesel, Soil*	220			6.12	51	5	mg/Kg	188490		11/02/07 0930	jps

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 344439

Date:11/06/2007

CUSTOMER: Conestoga-Rovers and Associates | PROJECT: MARK OWEN 9 | ATTN: Arthur Greeley

Customer Sample ID: SB-1/MW-1 19-20'
Date Sampled.....: 10/22/2007
Time Sampled.....: 12:50
Sample Matrix.....: Soil

Laboratory Sample ID: 344439-2
Date Received.....: 10/26/2007
Time Received.....: 10:22

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
SM-2540 G Mod.	% Solids, Soil	78.8				0.01	1	%	187988		10/26/07 1700	enc
SM-2540 G Mod.	Moisture, Soil	21.2				0.01	1	%	187988		10/26/07 1700	enc
SW-846 9056	Chloride, Soil*	302			6.43	5.1	1	mg/Kg	188474		11/03/07 1742	sur
SW-846 8021B	GC Volatile Organics											
	Benzene, Soil*	2.54	U		2.54	12.7	1.0000	ug/Kg	188386		10/31/07 1137	mht
	Toluene, Soil*	6.99	U		6.99	12.7	1.0000	ug/Kg	188386		10/31/07 1137	mht
	Ethylbenzene, Soil*	6.07	U		6.07	12.7	1.0000	ug/Kg	188386		10/31/07 1137	mht
	Xylenes (total), Soil*	18.63	U		18.63	38.1	1.0000	ug/Kg	188386		10/31/07 1137	mht
SW-846 8015B	Total Volatile Petroleum Hydrocarbons											
	TVPH as GRO, Soil*	392	J		203.3	1268.86	1.0000	ug/Kg	188367		10/30/07 0932	mht
SW-846 3550B	Extraction (Ultrasonic) DRO											
	Ultrasonic Extraction, Soil*	Complete					1		188312		10/31/07 1100	mra
SW-846 8015B	Total Extractable Petroleum Hydrocarbons											
	TEPH - as Diesel, Soil*	1.25	U		1.25	11	1	mg/Kg	188490		11/01/07 1806	jps

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 344439

Date:11/06/2007

CUSTOMER: Conestoga-Rovers and Associates | PROJECT: MARK OWEN 9 | ATTN: Arthur Greeley

Customer Sample ID: SB-1/MW-1 29-30
Date Sampled.....: 10/22/2007
Time Sampled.....: 14:20
Sample Matrix.....: Soil

Laboratory Sample ID: 344439-3
Date Received.....: 10/26/2007
Time Received.....: 10:22

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
SM-2540 G Mod.	% Solids, Soil	87.4				0.01	1	%	187988		10/26/07 1700	enc
SM-2540 G Mod.	Moisture, Soil	12.6				0.01	1	%	187988		10/26/07 1700	enc
SW-846 9056	Chloride, Soil*	168			5.80	4.6	1	mg/Kg	188474		11/03/07 1758	sur
SW-846 8021B	GC Volatile Organics											
	Benzene, Soil*	2.29	U		2.29	11.4	1.0000	ug/Kg	188386		10/31/07 1157	mht
	Toluene, Soil*	6.30	U		6.30	11.4	1.0000	ug/Kg	188386		10/31/07 1157	mht
	Ethylbenzene, Soil*	5.47	U		5.47	11.4	1.0000	ug/Kg	188386		10/31/07 1157	mht
	Xylenes (total), Soil*	16.80	U		16.80	34.3	1.0000	ug/Kg	188386		10/31/07 1157	mht
SW-846 8015B	Total Volatile Petroleum Hydrocarbons											
	TVPH as GRO, Soil*	317	J		183.3	1144.15	1.0000	ug/Kg	188367		10/30/07 0957	mht
SW-846 3550B	Extraction (Ultrasonic) DRO											
	Ultrasonic Extraction, Soil*	Complete					1		188312		10/31/07 1100	mra
SW-846 8015B	Total Extractable Petroleum Hydrocarbons											
	TEPH - as Diesel, Soil*	1.13	U		1.13	9.5	1	mg/Kg	188490		11/01/07 1849	jps

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 344439

Date:11/06/2007

CUSTOMER: Conestoga-Rovers and Associates | PROJECT: MARK OWEN 9 | ATTN: Arthur Greeley

Customer Sample ID: SB-2 9-10'
Date Sampled.....: 10/23/2007
Time Sampled.....: 08:40
Sample Matrix.....: Soil

Laboratory Sample ID: 344439-4
Date Received.....: 10/26/2007
Time Received.....: 10:22

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
SM-2540 G Mod.	% Solids, Soil	83.1				0.01	1	%	187988		10/26/07 1700	enc
SM-2540 G Mod.	Moisture, Soil	16.9				0.01	1	%	187988		10/26/07 1700	enc
SW-846 9056	Chloride, Soil*	20.1			6.10	4.8	1	mg/Kg	188474		11/03/07 1814	sur
SW-846 8021B	GC Volatile Organics											
	Benzene, Soil*	2.41	U		2.41	12.0	1.0000	ug/Kg	188386		10/31/07 1217	mht
	Toluene, Soil*	6.63	U		6.63	12.0	1.0000	ug/Kg	188386		10/31/07 1217	mht
	Ethylbenzene, Soil*	5.75	U		5.75	12.0	1.0000	ug/Kg	188386		10/31/07 1217	mht
	Xylenes (total), Soil*	17.66	U		17.66	36.1	1.0000	ug/Kg	188386		10/31/07 1217	mht
SW-846 8015B	Total Volatile Petroleum Hydrocarbons											
	TVPH as GRO, Soil*	399	J		192.8	1203.28	1.0000	ug/Kg	188367		10/30/07 1021	mht
SW-846 3550B	Extraction (Ultrasonic) DRO											
	Ultrasonic Extraction, Soil*	Complete					1		188312		10/31/07 1100	mra
SW-846 8015B	Total Extractable Petroleum Hydrocarbons											
	TEPH - as Diesel, Soil*	1.19	U		1.19	10	1	mg/Kg	188490		11/01/07 1933	jps

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 344439

Date:11/06/2007

CUSTOMER: Conestoga-Rovers and Associates | PROJECT: MARK OWEN 9 | ATTN: Arthur Greeley

Customer Sample ID: SB-2 19-20'
Date Sampled.....: 10/23/2007
Time Sampled.....: 09:00
Sample Matrix.....: Soil

Laboratory Sample ID: 344439-5
Date Received.....: 10/26/2007
Time Received.....: 10:22

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
SM-2540 G Mod.	% Solids, Soil	84.0				0.01	1	%	187988		10/26/07 1700	enc
SM-2540 G Mod.	Moisture, Soil	16.0				0.01	1	%	187988		10/26/07 1700	enc
SW-846 9056	Chloride, Soil*	22.7			6.03	4.8	1	mg/Kg	188474		11/03/07 1829	sur
SW-846 8021B	GC Volatile Organics											
	Benzene, Soil*	2.38	U		2.38	11.9	1.0000	ug/Kg	188386		10/31/07 1237	mht
	Toluene, Soil*	6.56	U		6.56	11.9	1.0000	ug/Kg	188386		10/31/07 1237	mht
	Ethylbenzene, Soil*	5.69	U		5.69	11.9	1.0000	ug/Kg	188386		10/31/07 1237	mht
	Xylenes (total), Soil*	17.47	U		17.47	35.7	1.0000	ug/Kg	188386		10/31/07 1237	mht
SW-846 8015B	Total Volatile Petroleum Hydrocarbons											
	TVPH as GRO, Soil*	423	J		190.6	1190.04	1.0000	ug/Kg	188367		10/30/07 1045	mht
SW-846 3550B	Extraction (Ultrasonic) DRO											
	Ultrasonic Extraction, Soil*	Complete					1		188312		10/31/07 1100	mra
SW-846 8015B	Total Extractable Petroleum Hydrocarbons											
	TEPH - as Diesel, Soil*	1.18	U		1.18	9.9	1	mg/Kg	188490		11/01/07 2143	jps

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 344439

Date:11/06/2007

CUSTOMER: Conestoga-Rovers and Associates | PROJECT: MARK OWEN 9 | ATTN: Arthur Greeley

Customer Sample ID: SB-2 29-30'
Date Sampled.....: 10/23/2007
Time Sampled.....: 09:20
Sample Matrix.....: Soil

Laboratory Sample ID: 344439-6
Date Received.....: 10/26/2007
Time Received.....: 10:22

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
SM-2540 G Mod.	% Solids, Soil	80.9				0.01	1	%	187988		10/26/07 1700	enc
SM-2540 G Mod.	Moisture, Soil	19.1				0.01	1	%	187988		10/26/07 1700	enc
SW-846 9056	Chloride, Soil*	46.4			6.27	4.9	1	mg/Kg	188474		11/03/07 1916	sur
SW-846 8021B	GC Volatile Organics											
	Benzene, Soil*	2.47	U		2.47	12.4	1.0000	ug/Kg	188386		10/31/07 1310	mht
	Toluene, Soil*	6.81	U		6.81	12.4	1.0000	ug/Kg	188386		10/31/07 1310	mht
	Ethylbenzene, Soil*	5.91	U		5.91	12.4	1.0000	ug/Kg	188386		10/31/07 1310	mht
	Xylenes (total), Soil*	18.15	U		18.15	37.1	1.0000	ug/Kg	188386		10/31/07 1310	mht
SW-846 8015B	Total Volatile Petroleum Hydrocarbons											
	TVPH as GRO, Soil*	361	J		198.0	1236.16	1.0000	ug/Kg	188367		10/30/07 1109	mht
SW-846 3550B	Extraction (Ultrasonic) DRO											
	Ultrasonic Extraction, Soil*	Complete					1		188312		10/31/07 1100	mra
SW-846 8015B	Total Extractable Petroleum Hydrocarbons											
	TEPH - as Diesel, Soil*	1.22	U		1.22	10	1	mg/Kg	188490		11/01/07 2355	jps

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 344439

Date:11/06/2007

CUSTOMER: Conestoga-Rovers and Associates | PROJECT: MARK OWEN 9 | ATTN: Arthur Greeley

Customer Sample ID: SB-3 9-10'
Date Sampled.....: 10/23/2007
Time Sampled.....: 10:30
Sample Matrix.....: Soil

Laboratory Sample ID: 344439-7
Date Received.....: 10/26/2007
Time Received.....: 10:22

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
SM-2540 G Mod.	% Solids, Soil	92.8				0.01	1	%	187988		10/26/07 1700	enc
SM-2540 G Mod.	Moisture, Soil	7.21				0.01	1	%	187988		10/26/07 1700	enc
SW-846 9056	Chloride, Soil*	21.3			5.46	4.3	1	mg/Kg	188474		11/03/07 1932	sur
SW-846 8021B	GC Volatile Organics											
	Benzene, Soil*	2.16	U		2.16	10.8	1.0000	ug/Kg	188386		10/31/07 1330	mht
	Toluene, Soil*	5.94	U		5.94	10.8	1.0000	ug/Kg	188386		10/31/07 1330	mht
	Ethylbenzene, Soil*	5.15	U		5.15	10.8	1.0000	ug/Kg	188386		10/31/07 1330	mht
	Xylenes (total), Soil*	15.82	U		15.82	32.3	1.0000	ug/Kg	188386		10/31/07 1330	mht
SW-846 8015B	Total Volatile Petroleum Hydrocarbons											
	TVPH as GRO, Soil*	397	J		172.7	1077.73	1.0000	ug/Kg	188367		10/31/07 0857	mht
SW-846 3550B	Extraction (Ultrasonic) DRO											
	Ultrasonic Extraction, Soil*	Complete					1		188312		10/31/07 1100	mra
SW-846 8015B	Total Extractable Petroleum Hydrocarbons											
	TEPH - as Diesel, Soil*	78			1.07	8.9	1	mg/Kg	188490		11/02/07 0039	jps

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 344439

Date: 11/06/2007

CUSTOMER: Conestoga-Rovers and Associates

PROJECT: MARK OWEN 9

ATTN: Arthur Greeley

Customer Sample ID: SB-3 19-20'
Date Sampled.....: 10/23/2007
Time Sampled.....: 10:50
Sample Matrix.....: Soil

Laboratory Sample ID: 344439-8
Date Received.....: 10/26/2007
Time Received.....: 10:22

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
SM-2540 G Mod.	% Solids, Soil	93.1				0.01	1	%	187988		10/26/07 1700	enc
SM-2540 G Mod.	Moisture, Soil	6.90				0.01	1	%	187988		10/26/07 1700	enc
SW-846 9056	Chloride, Soil*	17.1			5.45	4.3	1	mg/Kg	188474		11/03/07 1948	sur
SW-846 8021B	GC Volatile Organics											
	Benzene, Soil*	2.15	U		2.15	10.7	1.0000	ug/Kg	188386		10/31/07 1451	mht
	Toluene, Soil*	5.92	U		5.92	10.7	1.0000	ug/Kg	188386		10/31/07 1451	mht
	Ethylbenzene, Soil*	10.1	J		5.13	10.7	1.0000	ug/Kg	188386		10/31/07 1451	mht
	Xylenes (total), Soil*	20.1	J		15.77	32.2	1.0000	ug/Kg	188386		10/31/07 1451	mht
SW-846 8015B	Total Volatile Petroleum Hydrocarbons											
	TVPH as GRO, Soil*	306	J		172.1	1074.09	1.0000	ug/Kg	188367		10/31/07 0921	mht
SW-846 3550B	Extraction (Ultrasonic) DRO											
	Ultrasonic Extraction, Soil*	Complete					1		188312		10/31/07 1100	mra
SW-846 8015B	Total Extractable Petroleum Hydrocarbons											
	TEPH - as Diesel, Soil*	1.06	U		1.06	8.9	1	mg/Kg	188490		11/02/07 0122	jps

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 344439

Date:11/06/2007

CUSTOMER: Conestoga-Rovers and Associates | PROJECT: MARK OWEN 9 | ATTN: Arthur Greeley

Customer Sample ID: SB-3 29-30'
Date Sampled.....: 10/23/2007
Time Sampled.....: 11:20
Sample Matrix.....: Soil

Laboratory Sample ID: 344439-9
Date Received.....: 10/26/2007
Time Received.....: 10:22

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
SM-2540 G Mod.	% Solids, Soil	77.7				0.01	1	%	187988		10/26/07 1700	enc
SM-2540 G Mod.	Moisture, Soil	22.3				0.01	1	%	187988		10/26/07 1700	enc
SW-846 9056	Chloride, Soil*	30.3			6.53	5.2	1	mg/Kg	188474		11/03/07 2003	sur
SW-846 8021B	GC Volatile Organics											
	Benzene, Soil*	2.58	U		2.58	12.9	1.0000	ug/Kg	188112		10/29/07 1507	mht
	Toluene, Soil*	7.17	J		7.10	12.9	1.0000	ug/Kg	188112		10/29/07 1507	mht
	Ethylbenzene, Soil*	6.16	U		6.16	12.9	1.0000	ug/Kg	188112		10/29/07 1507	mht
	Xylenes (total), Soil*	18.90	U		18.90	38.6	1.0000	ug/Kg	188112		10/29/07 1507	mht
SW-846 8015B	Total Volatile Petroleum Hydrocarbons											
	TVPH as GRO, Soil*	314	J		206.3	1287.78	1.0000	ug/Kg	188367		10/31/07 0956	mht
SW-846 3550B	Extraction (Ultrasonic) DRO											
	Ultrasonic Extraction, Soil*	Complete					1		188312		10/31/07 1100	mra
SW-846 8015B	Total Extractable Petroleum Hydrocarbons											
	TEPH - as Diesel, Soil*	16			1.27	11	1	mg/Kg	188490		11/01/07 1556	jps

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 344439

Date:11/06/2007

CUSTOMER: Conestoga-Rovers and Associates | PROJECT: MARK OWEN 9 | ATTN: Arthur Greeley

Customer Sample ID: SB-4 9-10'
Date Sampled.....: 10/23/2007
Time Sampled.....: 12:20
Sample Matrix.....: Soil

Laboratory Sample ID: 344439-10
Date Received.....: 10/26/2007
Time Received.....: 10:22

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
SM-2540 G Mod.	% Solids, Soil	89.9				0.01	1	%	187988		10/26/07 1700	enc
SM-2540 G Mod.	Moisture, Soil	10.1				0.01	1	%	187988		10/26/07 1700	enc
SW-846 9056	Chloride, Soil*	26.7			5.64	4.5	1	mg/Kg	188474		11/03/07 2019	sur
SW-846 8021B	GC Volatile Organics											
	Benzene, Soil*	2.23	U		2.23	11.1	1.0000	ug/Kg	188386		10/31/07 1511	mht
	Toluene, Soil*	6.13	U		6.13	11.1	1.0000	ug/Kg	188386		10/31/07 1511	mht
	Ethylbenzene, Soil*	5.32	U		5.32	11.1	1.0000	ug/Kg	188386		10/31/07 1511	mht
	Xylenes (total), Soil*	16.34	U		16.34	33.4	1.0000	ug/Kg	188386		10/31/07 1511	mht
SW-846 8015B	Total Volatile Petroleum Hydrocarbons											
	TVPH as GRO, Soil*	372	J		178.3	1112.91	1.0000	ug/Kg	188367		10/31/07 1020	mht
SW-846 3550B	Extraction (Ultrasonic) DRO											
	Ultrasonic Extraction, Soil*	Complete					1		188312		10/31/07 1100	mra
SW-846 8015B	Total Extractable Petroleum Hydrocarbons											
	TEPH - as Diesel, Soil*	13			1.10	9.2	1	mg/Kg	188490		11/01/07 1639	jps

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 344439

Date:11/06/2007

CUSTOMER: Conestoga-Rovers and Associates | PROJECT: MARK OWEN 9 | ATTN: Arthur Greeley

Customer Sample ID: SB-4 19-20'
Date Sampled.....: 10/23/2007
Time Sampled.....: 12:40
Sample Matrix.....: Soil

Laboratory Sample ID: 344439-11
Date Received.....: 10/26/2007
Time Received.....: 10:22

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
SM-2540 G Mod.	% Solids, Soil	78.3				0.01	1	%	187988		10/26/07 1700	enc
SM-2540 G Mod.	Moisture, Soil	21.7				0.01	1	%	187988		10/26/07 1700	enc
SW-846 9056	Chloride, Soil*	25.2			6.47	5.1	1	mg/Kg	188474		11/03/07 2035	sur
SW-846 8021B	GC Volatile Organics											
	Benzene, Soil*	2.55	U		2.55	12.8	1.0000	ug/Kg	188386		10/31/07 1531	mht
	Toluene, Soil*	7.04	U		7.04	12.8	1.0000	ug/Kg	188386		10/31/07 1531	mht
	Ethylbenzene, Soil*	6.10	U		6.10	12.8	1.0000	ug/Kg	188386		10/31/07 1531	mht
	Xylenes (total), Soil*	18.74	U		18.74	38.3	1.0000	ug/Kg	188386		10/31/07 1531	mht
SW-846 8015B	Total Volatile Petroleum Hydrocarbons											
	TVPH as GRO, Soil*	334	J		204.6	1276.88	1.0000	ug/Kg	188367		10/31/07 1045	mht
SW-846 3550B	Extraction (Ultrasonic) DRO											
	Ultrasonic Extraction, Soil*	Complete					1		188312		10/31/07 1100	mra
SW-846 8015B	Total Extractable Petroleum Hydrocarbons											
	TEPH - as Diesel, Soil*	1.26	U		1.26	11	1	mg/Kg	188490		11/01/07 1723	jps

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 344439

Date:11/06/2007

CUSTOMER: Conestoga-Rovers and Associates | PROJECT: MARK OWEN 9 | ATTN: Arthur Greeley

Customer Sample ID: SB-4 30-31'
Date Sampled.....: 10/23/2007
Time Sampled.....: 13:00
Sample Matrix.....: Soil

Laboratory Sample ID: 344439-12
Date Received.....: 10/26/2007
Time Received.....: 10:22

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
SM-2540 G Mod.	% Solids, Soil	83.7				0.01	1	%	187988		10/26/07 1700	enc
SM-2540 G Mod.	Moisture, Soil	16.3				0.01	1	%	187988		10/26/07 1700	enc
SW-846 9056	Chloride, Soil*	29.8			6.06	4.8	1	mg/Kg	188474		11/03/07 2050	sur
SW-846 8021B	GC Volatile Organics											
	Benzene, Soil*	2.39	U		2.39	12.0	1.0000	ug/Kg	188386		10/31/07 1551	mht
	Toluene, Soil*	6.59	U		6.59	12.0	1.0000	ug/Kg	188386		10/31/07 1551	mht
	Ethylbenzene, Soil*	8.28	J		5.71	12.0	1.0000	ug/Kg	188386		10/31/07 1551	mht
	Xylenes (total), Soil*	17.55	U		17.55	35.9	1.0000	ug/Kg	188386		10/31/07 1551	mht
SW-846 8015B	Total Volatile Petroleum Hydrocarbons											
	TVPH as GRO, Soil*	354	J		191.5	1195.27	1.0000	ug/Kg	188367		10/31/07 1109	mht
SW-846 3550B	Extraction (Ultrasonic) DRO											
	Ultrasonic Extraction, Soil*	Complete					1		188312		10/31/07 1100	mra
SW-846 8015B	Total Extractable Petroleum Hydrocarbons											
	TEPH - as Diesel, Soil*	1.18	U		1.18	9.9	1	mg/Kg	188490		11/01/07 1806	jps

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 344439

Date:11/06/2007

CUSTOMER: Conestoga-Rovers and Associates | PROJECT: MARK OWEN 9 | ATTN: Arthur Greeley

Customer Sample ID: SB-5/MW-2 9-10'
Date Sampled.....: 10/23/2007
Time Sampled.....: 15:00
Sample Matrix.....: Soil

Laboratory Sample ID: 344439-13
Date Received.....: 10/26/2007
Time Received.....: 10:22

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
SM-2540 G Mod.	% Solids, Soil	87.4				0.01	1	%	187988		10/26/07 1700	enc
SM-2540 G Mod.	Moisture, Soil	12.6				0.01	1	%	187988		10/26/07 1700	enc
SW-846 9056	Chloride, Soil*	12.0			5.80	4.6	1	mg/Kg	188474		11/03/07 2106	sur
SW-846 8021B	GC Volatile Organics											
	Benzene, Soil*	2.29	U		2.29	11.4	1.0000	ug/Kg	188386		10/31/07 1611	mht
	Toluene, Soil*	6.31	U		6.31	11.4	1.0000	ug/Kg	188386		10/31/07 1611	mht
	Ethylbenzene, Soil*	5.47	U		5.47	11.4	1.0000	ug/Kg	188386		10/31/07 1611	mht
	Xylenes (total), Soil*	16.80	U		16.80	34.3	1.0000	ug/Kg	188386		10/31/07 1611	mht
SW-846 8015B	Total Volatile Petroleum Hydrocarbons											
	TVPH as GRO, Soil*	368	J		183.3	1144.47	1.0000	ug/Kg	188367		10/31/07 1133	mht
SW-846 3550B	Extraction (Ultrasonic) DRO											
	Ultrasonic Extraction, Soil*	Complete					1		188312		10/31/07 1100	mra
SW-846 8015B	Total Extractable Petroleum Hydrocarbons											
	TEPH - as Diesel, Soil*	1.13	U		1.13	9.5	1	mg/Kg	188490		11/01/07 1849	jps

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 344439

Date:11/06/2007

CUSTOMER: Conestoga-Rovers and Associates | PROJECT: MARK OWEN 9 | ATTN: Arthur Greeley

Customer Sample ID: SB-5/MW-2 19-20'
Date Sampled.....: 10/23/2007
Time Sampled.....: 15:20
Sample Matrix.....: Soil

Laboratory Sample ID: 344439-14
Date Received.....: 10/26/2007
Time Received.....: 10:22

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
SM-2540 G Mod.	% Solids, Soil	80.0				0.01	1	%	187988		10/26/07 1700	enc
SM-2540 G Mod.	Moisture, Soil	20.0				0.01	1	%	187988		10/26/07 1700	enc
SW-846 9056	Chloride, Soil*	20.9			6.34	5.0	1	mg/Kg	188474		11/03/07 2256	sur
SW-846 8021B	GC Volatile Organics											
	Benzene, Soil*	2.50	U		2.50	12.5	1.0000	ug/Kg	188386		10/31/07 1631	mht
	Toluene, Soil*	6.89	U		6.89	12.5	1.0000	ug/Kg	188386		10/31/07 1631	mht
	Ethylbenzene, Soil*	5.98	U		5.98	12.5	1.0000	ug/Kg	188386		10/31/07 1631	mht
	Xylenes (total), Soil*	18.36	U		18.36	37.5	1.0000	ug/Kg	188386		10/31/07 1631	mht
SW-846 8015B	Total Volatile Petroleum Hydrocarbons											
	TVPH as GRO, Soil*	331	J		200.4	1250.72	1.0000	ug/Kg	188367		10/31/07 1158	mht
SW-846 3550B	Extraction (Ultrasonic) DRO											
	Ultrasonic Extraction, Soil*	Complete					1		188312		10/31/07 1100	mra
SW-846 8015B	Total Extractable Petroleum Hydrocarbons											
	TEPH - as Diesel, Soil*	1.24	U		1.24	10	1	mg/Kg	188490		11/01/07 1933	jps

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 344439

Date:11/06/2007

CUSTOMER: Conestoga-Rovers and Associates | PROJECT: MARK OWEN 9 | ATTN: Arthur Greeley

Customer Sample ID: SB-5/MW-2 33-34'
Date Sampled.....: 10/23/2007
Time Sampled.....: 15:50
Sample Matrix.....: Soil

Laboratory Sample ID: 344439-15
Date Received.....: 10/26/2007
Time Received.....: 10:22

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
SM-2540 G Mod.	% Solids, Soil	92.4				0.01	1	%	187988		10/26/07 1700	enc
SM-2540 G Mod.	Moisture, Soil	7.62				0.01	1	%	187988		10/26/07 1700	enc
SW-846 9056	Chloride, Soil*	35.0			5.49	4.3	1	mg/Kg	188474		11/03/07 2311	sur
SW-846 8021B	GC Volatile Organics											
	Benzene, Soil*	2.16	U		2.16	10.8	1.0000	ug/Kg	188386		10/31/07 1651	mht
	Toluene, Soil*	5.96	U		5.96	10.8	1.0000	ug/Kg	188386		10/31/07 1651	mht
	Ethylbenzene, Soil*	5.17	U		5.17	10.8	1.0000	ug/Kg	188386		10/31/07 1651	mht
	Xylenes (total), Soil*	15.89	U		15.89	32.5	1.0000	ug/Kg	188386		10/31/07 1651	mht
SW-846 8015B	Total Volatile Petroleum Hydrocarbons											
	TVPH as GRO, Soil*	330	J		173.4	1082.45	1.0000	ug/Kg	188367		10/31/07 1222	mht
SW-846 3550B	Extraction (Ultrasonic) DRO											
	Ultrasonic Extraction, Soil*	Complete					1		188312		10/31/07 1100	mra
SW-846 8015B	Total Extractable Petroleum Hydrocarbons											
	TEPH - as Diesel, Soil*	320			21.4	180	20	mg/Kg	188490		11/02/07 1013	jps

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 344439

Date:11/06/2007

CUSTOMER: Conestoga-Rovers and Associates | PROJECT: MARK OWEN 9 | ATTN: Arthur Greeley

Customer Sample ID: SB-6/MW-3 9-10'
Date Sampled.....: 10/24/2007
Time Sampled.....: 08:40
Sample Matrix.....: Soil

Laboratory Sample ID: 344439-16
Date Received.....: 10/26/2007
Time Received.....: 10:22

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
SM-2540 G Mod.	% Solids, Soil	90.0				0.01	1	%	187988		10/26/07 1700	enc
SM-2540 G Mod.	Moisture, Soil	9.97				0.01	1	%	187988		10/26/07 1700	enc
SW-846 9056	Chloride, Soil*	20.5			5.63	4.4	1	mg/Kg	188474		11/03/07 2327	sur
SW-846 8021B	GC Volatile Organics											
	Benzene, Soil*	2.22	U		2.22	11.1	1.0000	ug/Kg	188386		10/31/07 1711	mht
	Toluene, Soil*	6.12	U		6.12	11.1	1.0000	ug/Kg	188386		10/31/07 1711	mht
	Ethylbenzene, Soil*	5.31	U		5.31	11.1	1.0000	ug/Kg	188386		10/31/07 1711	mht
	Xylenes (total), Soil*	16.31	U		16.31	33.3	1.0000	ug/Kg	188386		10/31/07 1711	mht
SW-846 8015B	Total Volatile Petroleum Hydrocarbons											
	TVPH as GRO, Soil*	241	J		177.9	1110.74	1.0000	ug/Kg	188367		10/31/07 1246	mht
SW-846 3550B	Extraction (Ultrasonic) DRO											
	Ultrasonic Extraction, Soil*	Complete					1		188312		10/31/07 1100	mra
SW-846 8015B	Total Extractable Petroleum Hydrocarbons											
	TEPH - as Diesel, Soil*	1.10	U		1.10	9.2	1	mg/Kg	188490		11/02/07 0930	jps

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 344439

Date:11/06/2007

CUSTOMER: Conestoga-Rovers and Associates | PROJECT: MARK OWEN 9 | ATTN: Arthur Greeley

Customer Sample ID: SB-6/MW-3 19-20'
Date Sampled.....: 10/24/2007
Time Sampled.....: 09:00
Sample Matrix.....: Soil

Laboratory Sample ID: 344439-17
Date Received.....: 10/26/2007
Time Received.....: 10:22

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
SM-2540 G Mod.	% Solids, Soil	95.9				0.01	1	%	187988		10/26/07 1700	enc
SM-2540 G Mod.	Moisture, Soil	4.09				0.01	1	%	187988		10/26/07 1700	enc
SW-846 9056	Chloride, Soil*	14.1			5.29	4.2	1	mg/Kg	188474		11/03/07 2342	sur
SW-846 8021B	GC Volatile Organics											
	Benzene, Soil*	2.09	U		2.09	10.4	1.0000	ug/Kg	188386		10/31/07 1731	mht
	Toluene, Soil*	5.74	U		5.74	10.4	1.0000	ug/Kg	188386		10/31/07 1731	mht
	Ethylbenzene, Soil*	4.98	U		4.98	10.4	1.0000	ug/Kg	188386		10/31/07 1731	mht
	Xylenes (total), Soil*	15.31	U		15.31	31.3	1.0000	ug/Kg	188386		10/31/07 1731	mht
SW-846 8015B	Total Volatile Petroleum Hydrocarbons											
	TVPH as GRO, Soil*	315	J		167.0	1042.62	1.0000	ug/Kg	188367		10/31/07 1410	mht
SW-846 3550B	Extraction (Ultrasonic) DRO											
	Ultrasonic Extraction, Soil*	Complete					1		188312		10/31/07 1100	mra
SW-846 8015B	Total Extractable Petroleum Hydrocarbons											
	TEPH - as Diesel, Soil*	1.03	U		1.03	8.6	1	mg/Kg	188490		11/01/07 2143	jps

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 344439

Date:11/06/2007

CUSTOMER: Conestoga-Rovers and Associates | PROJECT: MARK OWEN 9 | ATTN: Arthur Greeley

Customer Sample ID: SB-6/MW-3 31-32'
Date Sampled.....: 10/24/2007
Time Sampled.....: 09:40
Sample Matrix.....: Soil

Laboratory Sample ID: 344439-18
Date Received.....: 10/26/2007
Time Received.....: 10:22

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
SM-2540 G Mod.	% Solids, Soil	79.1				0.01	1	%	187988		10/26/07 1700	enc
SM-2540 G Mod.	Moisture, Soil	20.9				0.01	1	%	187988		10/26/07 1700	enc
SW-846 9056	Chloride, Soil*	43.1			6.41	5.1	1	mg/Kg	188474		11/03/07 2358	sur
SW-846 8021B	GC Volatile Organics											
	Benzene, Soil*	2.53	U		2.53	12.6	1.0000	ug/Kg	188386		10/31/07 1751	mht
	Toluene, Soil*	6.97	U		6.97	12.6	1.0000	ug/Kg	188386		10/31/07 1751	mht
	Ethylbenzene, Soil*	6.04	U		6.04	12.6	1.0000	ug/Kg	188386		10/31/07 1751	mht
	Xylenes (total), Soil*	18.56	U		18.56	37.9	1.0000	ug/Kg	188386		10/31/07 1751	mht
SW-846 8015B	Total Volatile Petroleum Hydrocarbons											
	TVPH as GRO, Soil*	330	J		202.6	1264.41	1.0000	ug/Kg	188367		10/31/07 1434	mht
SW-846 3550B	Extraction (Ultrasonic) DRO											
	Ultrasonic Extraction, Soil*	Complete					1		188312		10/31/07 1100	mra
SW-846 8015B	Total Extractable Petroleum Hydrocarbons											
	TEPH - as Diesel, Soil*	250			6.25	52	5	mg/Kg	188490		11/02/07 1013	jps

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 344439

Date:11/06/2007

CUSTOMER: Conestoga-Rovers and Associates | PROJECT: MARK OWEN 9 | ATTN: Arthur Greeley

Customer Sample ID: SB-7/MW-4 9-10'
Date Sampled.....: 10/24/2007
Time Sampled.....: 12:40
Sample Matrix.....: Soil

Laboratory Sample ID: 344439-19
Date Received.....: 10/26/2007
Time Received.....: 10:22

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
SM-2540 G Mod.	% Solids, Soil	77.5				0.01	1	%	187988		10/26/07 1700	enc
SM-2540 G Mod.	Moisture, Soil	22.5				0.01	1	%	187988		10/26/07 1700	enc
SW-846 9056	Chloride, Soil*	24.2			6.54	5.2	1	mg/Kg	188474		11/04/07 0014	sur
SW-846 8021B	GC Volatile Organics											
	Benzene, Soil*	2.58	U		2.58	12.9	1.0000	ug/Kg	188386		10/31/07 1851	mht
	Toluene, Soil*	7.11	U		7.11	12.9	1.0000	ug/Kg	188386		10/31/07 1851	mht
	Ethylbenzene, Soil*	6.17	U		6.17	12.9	1.0000	ug/Kg	188386		10/31/07 1851	mht
	Xylenes (total), Soil*	18.95	U		18.95	38.7	1.0000	ug/Kg	188386		10/31/07 1851	mht
SW-846 8015B	Total Volatile Petroleum Hydrocarbons											
	TVPH as GRO, Soil*	352	J		206.8	1290.67	1.0000	ug/Kg	188367		10/31/07 1458	mht
SW-846 3550B	Extraction (Ultrasonic) DRO											
	Ultrasonic Extraction, Soil*	Complete					1		188312		10/31/07 1100	mra
SW-846 8015B	Total Extractable Petroleum Hydrocarbons											
	TEPH - as Diesel, Soil*	26			1.28	11	1	mg/Kg	188490		11/02/07 0039	jps

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 344439

Date:11/06/2007

CUSTOMER: Conestoga-Rovers and Associates | PROJECT: MARK OWEN 9 | ATTN: Arthur Greeley

Customer Sample ID: SB-7/MW-4 19-20'
Date Sampled.....: 10/24/2007
Time Sampled.....: 13:00
Sample Matrix.....: Soil

Laboratory Sample ID: 344439-20
Date Received.....: 10/26/2007
Time Received.....: 10:22

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
SM-2540 G Mod.	% Solids, Soil	96.9				0.01	1	%	187988		10/26/07 1700	enc
SM-2540 G Mod.	Moisture, Soil	3.14				0.01	1	%	187988		10/26/07 1700	enc
SW-846 9056	Chloride, Soil*	1080			52.3	41	10	mg/Kg	188474		11/04/07 0116	sur
SW-846 8021B	GC Volatile Organics											
	Benzene, Soil*	2.06	U		2.06	10.3	1.0000	ug/Kg	188386		10/31/07 1911	mht
	Toluene, Soil*	5.69	U		5.69	10.3	1.0000	ug/Kg	188386		10/31/07 1911	mht
	Ethylbenzene, Soil*	4.93	U		4.93	10.3	1.0000	ug/Kg	188386		10/31/07 1911	mht
	Xylenes (total), Soil*	15.16	U		15.16	31.0	1.0000	ug/Kg	188386		10/31/07 1911	mht
SW-846 8015B	Total Volatile Petroleum Hydrocarbons											
	TVPH as GRO, Soil*	358	J		165.4	1032.39	1.0000	ug/Kg	188367		10/31/07 1523	mht
SW-846 3550B	Extraction (Ultrasonic) DRO											
	Ultrasonic Extraction, Soil*	Complete					1		188312		10/31/07 1100	mra
SW-846 8015B	Total Extractable Petroleum Hydrocarbons											
	TEPH - as Diesel, Soil*	15			1.02	8.6	1	mg/Kg	188490		11/02/07 0122	jps

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 344439

Date:11/06/2007

CUSTOMER: Conestoga-Rovers and Associates | PROJECT: MARK OWEN 9 | ATTN: Arthur Greeley

Customer Sample ID: SB-7/MW-4 29-30'
Date Sampled.....: 10/24/2007
Time Sampled.....: 13:30
Sample Matrix.....: Soil

Laboratory Sample ID: 344439-21
Date Received.....: 10/26/2007
Time Received.....: 10:22

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
SM-2540 G Mod.	% Solids, Soil	75.9				0.01	1	%	187988		10/26/07 1700	enc
SM-2540 G Mod.	Moisture, Soil	24.1				0.01	1	%	187988		10/26/07 1700	enc
SW-846 9056	Chloride, Soil*	217			6.68	5.3	1	mg/Kg	188474		11/04/07 0203	sur
SW-846 8021B	GC Volatile Organics											
	Benzene, Soil*	2.63	U		2.63	13.2	1.0000	ug/Kg	188386		10/31/07 1931	mht
	Toluene, Soil*	7.26	U		7.26	13.2	1.0000	ug/Kg	188386		10/31/07 1931	mht
	Ethylbenzene, Soil*	6.29	U		6.29	13.2	1.0000	ug/Kg	188386		10/31/07 1931	mht
	Xylenes (total), Soil*	19.33	U		19.33	39.5	1.0000	ug/Kg	188386		10/31/07 1931	mht
SW-846 8015B	Total Volatile Petroleum Hydrocarbons											
	TVPH as GRO, Soil*	389	J		210.9	1316.76	1.0000	ug/Kg	188367		10/31/07 1724	mht
SW-846 3550B	Extraction (Ultrasonic) DRO											
	Ultrasonic Extraction, Soil*	Complete					1		188368		11/01/07 1400	mra
SW-846 8015B	Total Extractable Petroleum Hydrocarbons											
	TEPH - as Diesel, Soil*	410			13.0	110	10	mg/Kg	188494		11/05/07 1048	jps

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 344439

Date:11/06/2007

CUSTOMER: Conestoga-Rovers and Associates | PROJECT: MARK OWEN 9 | ATTN: Arthur Greeley

Customer Sample ID: TRIP BLANK
Date Sampled.....: 10/24/2007
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 344439-22
Date Received.....: 10/26/2007
Time Received.....: 10:22

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
SW-846 8021B	GC Volatile Organics											
	Benzene, Water	0.06	U		0.06	1.00	1.0000	ug/L	188097		10/29/07 1958	mht
	Toluene, Water	0.10	U		0.10	1.00	1.0000	ug/L	188097		10/29/07 1958	mht
	Ethylbenzene, Water	0.12	U		0.12	1.00	1.0000	ug/L	188097		10/29/07 1958	mht
	Xylenes (total), Water	0.21	U		0.21	3.00	1.0000	ug/L	188097		10/29/07 1958	mht

* In Description = Dry Wgt.

QUALITY CONTROL RESULTS

Job Number.: 344439 Report Date.: 11/06/2007

CUSTOMER: Conestoga-Rovers and Associates PROJECT: MARK OWEN 9 ATTN: Arthur Greeley

Test Method.....: SM-2540 G Mod. Analyst...: enc
Method Description.: Moisture (Total + Fixed Solids, Ash) Units.....: % Test Code.: %SOLID
Parameter.....: % Solids Batch(s)...: 187988

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
DU	344439-21		75.9795			75.9441	0.0	10.0		10/26/2007	1700
DU	344365-44		67.7435			68.1043	0.5	10.0		10/26/2007	1700
DU	344439-17		95.9500			95.9123	0.0	10.0		10/26/2007	1700
DU	344365-46		57.7839			57.9618	0.3	10.0		10/26/2007	1700
MB	187988--21		0.0000							10/26/2007	1700
MB	187988--21		0.0000							10/26/2007	1700
MB	187988--21		0.0000							10/26/2007	1700
DU	344439-16		89.9830			90.0298	0.1	10.0		10/26/2007	1700
DU	344439-20		96.9955			96.8624	0.1	10.0		10/26/2007	1700

Test Method.....: SW-846 9056 Analyst...: sur
Method Description.: Ion Chromatography Analysis Units.....: mg/L Test Code.: CHL
Parameter.....: Chloride Batch(s)...: 188474

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
ICV		WCS46864A	19.316		20.00		96.6	90.0-110.		11/03/2007	1553
ICB			0							11/03/2007	1608
MB	188474--21		0							11/03/2007	1624
LCS	188474--21	WCS46864A	19.239		20.00		96.2	90.0-110.		11/03/2007	1640
DU	344439-1		5.6092			6.0035	6.8	20		11/03/2007	1711
MS	344439-1	WCS46675	15.336		10.000000	6.0035	93.3	90-110		11/03/2007	1727
CCV		WCS46864A	19.172		20.00		95.9	90.0-110.		11/03/2007	1845
CCB			0							11/03/2007	1901
DU	344439-13		0.9339			1.0476	0.1137	0.5000		11/03/2007	2122
MS	344439-13	WCS46675	9.7611		10.000000	1.0476	87.1	90-110	A	11/03/2007	2137
CCV		WCS46864A	19.150		20.00		95.8	90.0-110.		11/03/2007	2153
CCB			0							11/03/2007	2209
MB	188474--21		0							11/03/2007	2224
LCS	188474--21	WCS46864A	19.046		20.00		95.2	90.0-110.		11/03/2007	2240
CCV		WCS46864A	19.077		20.00		95.4	90.0-110.		11/04/2007	0045
CCB			0							11/04/2007	0101
DU	344439-20		10.494			10.428	0.6	20		11/04/2007	0132
MS	344439-20	WCS46675	20.388		10.000000	10.428	99.6	90-110		11/04/2007	0148
CCV		WCS46864A	19.078		20.00		95.4	90.0-110.		11/04/2007	0219
CCB			0							11/04/2007	0235

Test Method.....: SM-2540 G Mod. Analyst...: enc
Method Description.: Moisture (Total + Fixed Solids, Ash) Units.....: % Test Code.: MOIST
Parameter.....: Moisture Batch(s)...: 187988

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
DU	344365-46		42.2161			42.0382	0.4	10.0		10/26/2007	1700
DU	344439-16		10.0170			9.9702	0.5	10.0		10/26/2007	1700
DU	344439-17		4.0500			4.0877	0.9	10.0		10/26/2007	1700
DU	344439-21		24.0205			24.0559	0.1	10.0		10/26/2007	1700
DU	344365-44		32.2565			31.8957	1.1	10.0		10/26/2007	1700
DU	344439-20		3.0045			3.1376	4.3	10.0		10/26/2007	1700

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 344439

Report Date.: 11/06/2007

CUSTOMER: Conestoga-Rovers and Associates PROJECT: MARK OWEN 9 ATTN: Arthur Greeley

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: SW-846 8021B
Method Description.: GC Volatile Organics

Units.....: ug/L
Batch(s)...: 188097 188112 188386

Analyst...: mht

LCS	Laboratory Control Sample	BXS101907A	188097-1		10/29/2007 1045

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Methyl tert-Butyl ether, Water	48.6534		50.000000		97.3		76-123	
Benzene, Water	51.4373		50.000000		102.9		72-134	
Toluene, Water	54.3904		50.000000		108.8		76-131	
Ethylbenzene, Water	52.5176		50.000000		105.0		75-131	
m,p-Xylene, Water	106.391		100.000000		106.4		75-130	
o-Xylene, Water	51.0309		50.000000		102.1		74-129	
Xylenes (total), Water	157.4219		150.000000		104.9		70-130	
Total BTEX, Water	315.7672		300.000000		105.3		70-130	
Tert-Butyl Methyl Ether Column B, Water	48.8719		50.000000		97.7		76-123	
Benzene Column B, Water	50.0898		50.000000		100.2		72-134	
Toluene Column B, Water	51.0552		50.000000		102.1		76-131	
Ethylbenzene Column B, Water	50.7071		50.000000		101.4		75-131	
m,p-Xylene Column B, Water	104.206		100.000000		104.2		75-130	
o-Xylene Column B, Water	49.1839		50.000000		98.4		74-129	

MB	Method Blank		188097-1		10/29/2007 1124

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Methyl tert-Butyl ether, Water	ND							
Benzene, Water	ND							
Toluene, Water	ND							
Ethylbenzene, Water	ND							
m,p-Xylene, Water	ND							
o-Xylene, Water	ND							
Xylenes (total), Water	0.0000							
Total BTEX, Water	0.0000							
Tert-Butyl Methyl Ether Column B, Water	ND							
Benzene Column B, Water	ND							
Toluene Column B, Water	ND							
Ethylbenzene Column B, Water	ND							
m,p-Xylene Column B, Water	ND							
o-Xylene Column B, Water	ND							

MS	Matrix Spike	BXS101907B	344492-1		10/29/2007 1231

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Methyl tert-Butyl ether, Water	52.8204		50.000000	ND	106		70-130	
Benzene, Water	55.9194		50.000000	0.64459	111		70-130	
Toluene, Water	57.5880		50.000000	2.46906	110		70-130	
Ethylbenzene, Water	55.7023		50.000000	ND	111		70-130	
m,p-Xylene, Water	113.528		100.000000	0.42046	113		70-130	
o-Xylene, Water	57.4200		50.000000	0.76044	113		70-130	
Xylenes (total), Water	170.9480		150.000000	1.9831	113		70-130	
Total BTEX, Water	340.1577		300.000000	5.1988	112		70-130	
Tert-Butyl Methyl Ether Column B, Water	50.8559		50.000000	ND	102		70-130	
Benzene Column B, Water	53.1905		50.000000	0.71766	105		70-130	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 344439 Report Date.: 11/06/2007

CUSTOMER: Conestoga-Rovers and Associates PROJECT: MARK OWEN 9 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	BXS1019078	344492-1		10/29/2007	1231

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Toluene Column B, Water	51.7688		50.000000	2.49798	99		70-130	
Ethylbenzene Column B, Water	52.8820		50.000000	ND	106		70-130	
m,p-Xylene Column B, Water	107.917		100.000000	0.99922	107		70-130	
o-Xylene Column B, Water	54.6324		50.000000	0.98394	107		70-130	

MSD	Matrix Spike Duplicate	BXS1019078	344492-1		10/29/2007	1251

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Methyl tert-Butyl ether, Water	55.4102	52.8204	50.000000	ND	111		70-130	
					4.8		20.0	
Benzene, Water	54.3944	55.9194	50.000000	0.64459	107		70-130	
					2.8		20.0	
Toluene, Water	56.2401	57.5880	50.000000	2.46906	108		70-130	
					2.4		20.0	
Ethylbenzene, Water	54.2061	55.7023	50.000000	ND	108		70-130	
					2.7		20.0	
m,p-Xylene, Water	108.228	113.528	100.000000	0.42046	108		70-130	
					4.8		20.0	
o-Xylene, Water	52.5607	57.4200	50.000000	0.76044	104		70-130	
					8.8		20.0	
Xylenes (total), Water	160.7887	170.9480	150.000000	1.9831	106		70-130	
					6.1		20.0	
Total BTEX, Water	325.6293	340.1577	300.000000	5.1988	107		70-130	
					4.4		20.0	
Tert-Butyl Methyl Ether Column B, Water	54.9269	50.8559	50.000000	ND	110		70-130	
					7.7		20.0	
Benzene Column B, Water	52.4746	53.1905	50.000000	0.71766	104		70-130	
					1.4		20.0	
Toluene Column B, Water	52.0895	51.7688	50.000000	2.49798	99		70-130	
					0.6		20.0	
Ethylbenzene Column B, Water	52.2840	52.8820	50.000000	ND	105		70-130	
					1.1		20.0	
m,p-Xylene Column B, Water	105.979	107.917	100.000000	0.99922	105		70-130	
					1.8		20.0	
o-Xylene Column B, Water	51.7037	54.6324	50.000000	0.98394	101		70-130	
					5.5		20.0	

LCS	Laboratory Control Sample	BXS102307F	188112-1		10/29/2007	0826

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Methyl tert-Butyl ether, Soil	49.5104		50.000000		99.0		61-125	
Benzene, Soil	49.1829		50.000000		98.4		69-133	
Toluene, Soil	50.0314		50.000000		100.1		70-134	
Ethylbenzene, Soil	52.5412		50.000000		105.1		71-139	
m,p-Xylene, Soil	106.287		100.000000		106.3		72-136	
o-Xylene, Soil	52.7997		50.000000		105.6		70-131	
Xylenes (total), Soil	159.0867		150.000000		106.1		70-130	
Total BTEX, Soil	310.8642		300.000000		103.6		70-130	
Tert-Butyl Methyl Ether Column B, Soil	54.9971		50.000000		110.0		61-125	
Benzene Column B, Soil	47.7985		50.000000		95.6		69-133	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 344439 Report Date.: 11/06/2007

CUSTOMER: Conestoga-Rovers and Associates PROJECT: MARK OWEN 9 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	BXS102307F	188112-1		10/29/2007	0826

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Toluene Column B, Soil	50.0534		50.000000		100.1		70-134	
Ethylbenzene Column B, Soil	50.6927		50.000000		101.4		71-139	
m,p-Xylene Column B, Soil	101.439		100.000000		101.4		72-136	
o-Xylene Column B, Soil	51.5296		50.000000		103.1		70-131	

MB	Method Blank		188112-1		10/29/2007	0906

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Methyl tert-Butyl ether, Soil	ND							
Benzene, Soil	ND							
Toluene, Soil	ND							
Ethylbenzene, Soil	ND							
m,p-Xylene, Soil	ND							
o-Xylene, Soil	ND							
Xylenes (total), Soil	0.0000							
Total BTEX, Soil	0.0000							
Tert-Butyl Methyl Ether Column B, Soil	ND							
Benzene Column B, Soil	ND							
Toluene Column B, Soil	ND							
Ethylbenzene Column B, Soil	ND							
m,p-Xylene Column B, Soil	ND							
o-Xylene Column B, Soil	ND							

MS	Matrix Spike	BXS102307E	344439-1		10/29/2007	1303

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Methyl tert-Butyl ether, Soil	42.4947		50.000000	ND	85.0		50.0-150.0	
Benzene, Soil	36.0116		50.000000	ND	72.0		50.0-150.0	
Toluene, Soil	36.4178		50.000000	ND	72.8		50.0-150.0	
Ethylbenzene, Soil	37.5521		50.000000	ND	75.1		50.0-150.0	
m,p-Xylene, Soil	76.4844		100.000000	ND	76.5		50.0-150.0	
o-Xylene, Soil	38.0057		50.000000	ND	76.0		50.0-150.0	
Xylenes (total), Soil	114.4901		150.000000	0.0000	76.3		50.0-150.0	
Total BTEX, Soil	224.5118		300.000000	0.0000	74.8		50.0-150.0	
Tert-Butyl Methyl Ether Column B, Soil	45.4343		50.000000	ND	90.9		50.0-150.0	
Benzene Column B, Soil	34.7517		50.000000	ND	69.5		50.0-150.0	
Toluene Column B, Soil	36.4580		50.000000	ND	72.9		50.0-150.0	
Ethylbenzene Column B, Soil	36.2956		50.000000	ND	72.6		50.0-150.0	
m,p-Xylene Column B, Soil	73.5388		100.000000	ND	73.5		50.0-150.0	
o-Xylene Column B, Soil	37.3609		50.000000	ND	74.7		50.0-150.0	

MSD	Matrix Spike Duplicate	BXS102307E	344439-1		10/29/2007	1211

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Methyl tert-Butyl ether, Soil	44.3349	42.4947	50.000000	ND	88.7		50-150	
					4.2		20	
Benzene, Soil	40.8253	36.0116	50.000000	ND	81.7		50-150	
					12.5		20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 344439 Report Date.: 11/06/2007

CUSTOMER: Conestoga-Rovers and Associates PROJECT: MARK OWEN 9 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	BXS102307E	344439-1		10/29/2007	1211

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Toluene, Soil	41.9989	36.4178	50.000000	ND	84.0		50-150	
					14.2		20	
Ethylbenzene, Soil	43.6653	37.5521	50.000000	ND	87.3		50-150	
					15.1		20	
m,p-Xylene, Soil	89.9154	76.4844	100.000000	ND	89.9		50-150	
					16.1		20	
o-Xylene, Soil	43.8688	38.0057	50.000000	ND	87.7		50-150	
					14.3		20	
Xylenes (total), Soil	133.7842	114.4901	150.000000	0.0000	89.2		50-150	
					15.5		20	
Total BTEX, Soil	260.2737	224.5118	300.000000	0.0000	86.8		50-150	
					14.8		20	
Tert-Butyl Methyl Ether Column B, Soil	48.0921	45.4343	50.000000	ND	96.2		50-150	
					5.7		20	
Benzene Column B, Soil	39.7821	34.7517	50.000000	ND	79.6		50-150	
					13.5		20	
Toluene Column B, Soil	41.7547	36.4580	50.000000	ND	83.5		50-150	
					13.5		20	
Ethylbenzene Column B, Soil	42.3284	36.2956	50.000000	ND	84.7		50-150	
					15.3		20	
m,p-Xylene Column B, Soil	85.3296	73.5388	100.000000	ND	85.3		50-150	
					14.8		20	
o-Xylene Column B, Soil	42.8810	37.3609	50.000000	ND	85.8		50-150	
					13.8		20	

LCS	Laboratory Control Sample	BXS102307F	188386-1		10/31/2007	0853

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Benzene, Soil	46.3145		50.000000		92.6		69-133	
Toluene, Soil	45.4783		50.000000		91.0		70-134	
Ethylbenzene, Soil	46.5314		50.000000		93.1		71-139	
m,p-Xylene, Soil	94.5714		100.000000		94.6		72-136	
o-Xylene, Soil	47.3865		50.000000		94.8		70-131	
Xylenes (total), Soil	142.8557		150.000000		95.2		70-130	
Total BTEX, Soil	281.1799		300.000000		93.7		70-130	
Benzene Column B, Soil	44.4248		50.000000		88.8		69-133	
Toluene Column B, Soil	45.2866		50.000000		90.6		70-134	
Ethylbenzene Column B, Soil	46.4577		50.000000		92.9		71-139	
m,p-Xylene Column B, Soil	94.3736		100.000000		94.4		72-136	
o-Xylene Column B, Soil	48.2843		50.000000		96.6		70-131	

MB	Method Blank		188386-1		10/31/2007	1034

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Benzene, Soil	ND							
Toluene, Soil	ND							
Ethylbenzene, Soil	ND							
m,p-Xylene, Soil	ND							
o-Xylene, Soil	ND							
Xylenes (total), Soil	0.0000							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 344439

Report Date.: 11/06/2007

CUSTOMER: Conestoga-Rovers and Associates PROJECT: MARK OWEN 9 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		188386-1		10/31/2007	1034

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Total BTEX, Soil	0.0000							
Benzene Column B, Soil	ND							
Toluene Column B, Soil	ND							
Ethylbenzene Column B, Soil	ND							
m,p-Xylene Column B, Soil	ND							
o-Xylene Column B, Soil	ND							

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	BXS102307E	344439-2		10/31/2007	1350

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Benzene, Soil	52.3211		50.000000	ND	104.6		50.0-150.0	
Toluene, Soil	51.9865		50.000000	ND	104.0		50.0-150.0	
Ethylbenzene, Soil	54.1618		50.000000	ND	108.3		50.0-150.0	
m,p-Xylene, Soil	108.832		100.000000	0.42111	108.4		50.0-150.0	
o-Xylene, Soil	53.3549		50.000000	0.27825	106.2		50.0-150.0	
Xylenes (total), Soil	162.1869		150.000000	0.6994	107.7		50.0-150.0	
Total BTEX, Soil	320.6563		300.000000	0.6994	106.7		50.0-150.0	
Benzene Column B, Soil	49.6635		50.000000	ND	99.3		50.0-150.0	
Toluene Column B, Soil	51.1242		50.000000	ND	102.2		50.0-150.0	
Ethylbenzene Column B, Soil	51.7075		50.000000	ND	103.4		50.0-150.0	
m,p-Xylene Column B, Soil	103.019		100.000000	0.35501	102.7		50.0-150.0	
o-Xylene Column B, Soil	51.8174		50.000000	0.27314	103.1		50.0-150.0	

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	BXS102307E	344439-2		10/31/2007	1410

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Benzene, Soil	49.3836	52.3211	50.000000	ND	98.8		50-150	
					5.8		20	
Toluene, Soil	48.5620	51.9865	50.000000	ND	97.1		50-150	
					6.8		20	
Ethylbenzene, Soil	50.6357	54.1618	50.000000	ND	101.3		50-150	
					6.7		20	
m,p-Xylene, Soil	102.244	108.832	100.000000	0.42111	101.8		50-150	
					6.2		20	
o-Xylene, Soil	50.2547	53.3549	50.000000	0.27825	100.0		50-150	
					6.0		20	
Xylenes (total), Soil	152.4987	162.1869	150.000000	0.6994	101.2		50-150	
					6.2		20	
Total BTEX, Soil	302.1241	320.6563	300.000000	0.6994	100.5		50-150	
					6.0		20	
Benzene Column B, Soil	47.9377	49.6635	50.000000	ND	95.9		50-150	
					3.5		20	
Toluene Column B, Soil	49.6061	51.1242	50.000000	ND	99.2		50-150	
					3.0		20	
Ethylbenzene Column B, Soil	49.9770	51.7075	50.000000	ND	100.0		50-150	
					3.4		20	
m,p-Xylene Column B, Soil	99.7631	103.019	100.000000	0.35501	99.4		50-150	
					3.2		20	
o-Xylene Column B, Soil	50.2290	51.8174	50.000000	0.27314	99.9		50-150	
					3.1		20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 344439 Report Date.: 11/06/2007

CUSTOMER: Conestoga-Rovers and Associates PROJECT: MARK OWEN 9 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: SW-846 8015B Units.....: ug/L Analyst...: mht
Method Description.: Total Volatile Petroleum Hydrocarbons Batch(s)...: 188367

LCS	Laboratory Control Sample	BXS101907F	188367-1		10/30/2007	0759

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
TVPH as GRO, Soil	282.996		250.000000		113.2		49-151	

LCS	Laboratory Control Sample	BXS101907F	188367-2		10/31/2007	1636

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
TVPH as GRO, Soil	231.952		250.000000		92.8		49-151	

MB	Method Blank		188367-1		10/30/2007	0823

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
TVPH as GRO, Soil	11.2905							

MB	Method Blank		188367-2		10/31/2007	1700

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
TVPH as GRO, Soil	ND							

MS	Matrix Spike	BX091307A	344439-1		10/30/2007	1134

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
TVPH as GRO, Soil	302.378		250.000000	13.0608	115.7		50.0-150.0	

MS	Matrix Spike	BX091307A	344439-21		10/31/2007	1748

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
TVPH as GRO, Soil	255.071		250.000000	14.7733	96.1		50.0-150.0	

MSD	Matrix Spike Duplicate	BX091307A	344439-1		10/30/2007	1456

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
TVPH as GRO, Soil	258.246	302.378	250.000000	13.0608	98.1 15.7		50-150 20	

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 344439 Report Date.: 11/06/2007

CUSTOMER: Conestoga-Rovers and Associates PROJECT: MARK OWEN 9 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	BX091307A	344439-21		10/31/2007	1813

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
TVPH as GRO, Soil	277.863	255.071	250.000000	14.7733	105.2		50-150	
					8.6		20	

Test Method.....: SW-846 8015B Units.....: mg/L Analyst...: jps
Method Description.: Total Extractable Petroleum Hydrocarbons Batch(s)...: 188490 188494

LCS	Laboratory Control Sample	GC101207	188312		11/01/2007	1639

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
TEPH - as Diesel, Soil	989.51		1000.000000		99.0		70-130	

MB	Method Blank	GC091507	188312		11/01/2007	1556

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
TEPH - as Diesel, Soil	ND							

MS	Matrix Spike	GC100107	344439-4		11/01/2007	2016

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
TEPH - as Diesel, Soil	1118.91		1000.000000	ND	112		70-130	

MSD	Matrix Spike Duplicate	GC100107	344439-4		11/01/2007	2059

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
TEPH - as Diesel, Soil	1066.95	1118.91	1000.000000	ND	107		70-130	
					4.8		30.0	

LCS	Laboratory Control Sample	GC101207	188368		11/02/2007	1508

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
TEPH - as Diesel, Soil	1001.76		1000.000000		100.2		70-130	

MB	Method Blank	GC091507	188368		11/02/2007	1424

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
TEPH - as Diesel, Soil	ND							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 344439 Report Date.: 11/06/2007

CUSTOMER: Conestoga-Rovers and Associates PROJECT: MARK OWEN 9 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	GC100107	344643-1		11/02/2007	2309

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
TEPH - as Diesel, Soil	4910.29		1000.000000	2509.53	240		70-130	d

MSD	Matrix Spike Duplicate	GC100107	344643-1		11/02/2007	2353

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
TEPH - as Diesel, Soil	4268.64	4910.29	1000.000000	2509.53	176		70-130	d
					14.0		30.0	

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

SURROGATE RECOVERIES REPORT

Job Number.: 344439 Report Date.: 11/06/2007

CUSTOMER: Conestoga-Rovers and Associates PROJECT: MARK OWEN 9 ATTN: Arthur Greeley

Method.....: Total Extractable Petroleum Hydrocarbons Method Code...: 8015D Prep Batch....: 188312
Batch(s).....: 188490 Test Matrix...: Soil Equipment Code: EXTGC01

Lab ID	DT	Sample ID	Date	OTERPH
344439- 1		SB-1/MW-1 9-10'	11/02/2007	105
344439- 2		SB-1/MW-1 19-20'	11/01/2007	102
344439- 3		SB-1/MW-1 29-30	11/01/2007	103
344439- 4		SB-2 9-10'	11/01/2007	107
344439- 4	MS	SB-2 9-10'	11/01/2007	115
344439- 4	MSD	SB-2 9-10'	11/01/2007	103
344439- 5		SB-2 19-20'	11/01/2007	101
344439- 6		SB-2 29-30'	11/01/2007	102
344439- 7		SB-3 9-10'	11/02/2007	92
344439- 8		SB-3 19-20'	11/02/2007	104
344439- 9		SB-3 29-30'	11/01/2007	94
344439- 10		SB-4 9-10'	11/01/2007	100
344439- 11		SB-4 19-20'	11/01/2007	102
344439- 12		SB-4 30-31'	11/01/2007	98
344439- 13		SB-5/MW-2 9-10'	11/01/2007	96
344439- 14		SB-5/MW-2 19-20'	11/01/2007	101
344439- 15		SB-5/MW-2 33-34'	11/02/2007	102
344439- 16		SB-6/MW-3 9-10'	11/02/2007	108
344439- 17		SB-6/MW-3 19-20'	11/01/2007	96
344439- 18		SB-6/MW-3 31-32'	11/02/2007	94
344439- 19		SB-7/MW-4 9-10'	11/02/2007	110
344439- 20		SB-7/MW-4 19-20'	11/02/2007	95
188312--21	LCS		11/01/2007	106
188312--21	MB		11/01/2007	108

Test	Test Description	Limits
OTERPH	o-Terphenyl	60 - 140

Method.....: Total Extractable Petroleum Hydrocarbons Method Code...: 8015D Prep Batch....: 188368
Batch(s).....: 188494 Test Matrix...: Soil Equipment Code: EXTGC01

Lab ID	DT	Sample ID	Date	OTERPH
344439- 21		SB-7/MW-4 29-30'	11/05/2007	101
344643- 1	MS	RON-1-SED2	11/02/2007	92
344643- 1	MSD	RON-1-SED2	11/02/2007	93
188368--21	LCS		11/02/2007	111
188368--21	MB		11/02/2007	102

Test	Test Description	Limits
OTERPH	o-Terphenyl	60 - 140

SURROGATE RECOVERIES REPORT

Job Number.: 344439 Report Date.: 11/06/2007

CUSTOMER: 483648 PROJECT: MARK OWEN 9 ATTN: Arthur Greeley

Method.....: Total Volatile Petroleum Hydrocarbons Method Code...: 8015G Prep Batch....:
Batch(s).....: 188367 Test Matrix...: Soil Equipment Code: BTEX07

Lab ID	DT	Sample ID	Date	ATFT	BFB
188367- 1	LCS		10/30/2007	102.8	95.1
188367- 1	MB		10/30/2007	107.9	95.2
188367- 2	LCS		10/31/2007	93.4	94.4
188367- 2	MB		10/31/2007	106.2	97.1
344439- 1		SB-1/MW-1 9-10'	10/30/2007	100.6	91.1
344439- 1	MS	SB-1/MW-1 9-10'	10/30/2007	92.0	83.5
344439- 1	MSD	SB-1/MW-1 9-10'	10/30/2007	110.2	100.2
344439- 2		SB-1/MW-1 19-20'	10/30/2007	94.1	83.1
344439- 3		SB-1/MW-1 29-30	10/30/2007	109.0	96.9
344439- 4		SB-2 9-10'	10/30/2007	90.2	82.7
344439- 5		SB-2 19-20'	10/30/2007	103.7	94.9
344439- 6		SB-2 29-30'	10/30/2007	79.3	80.5
344439- 7		SB-3 9-10'	10/31/2007	111.1	107.7
344439- 8		SB-3 19-20'	10/31/2007	104.7	94.2
344439- 9		SB-3 29-30'	10/31/2007	87.8	87.9
344439- 10		SB-4 9-10'	10/31/2007	90.1	83.9
344439- 11		SB-4 19-20'	10/31/2007	94.6	88.0
344439- 12		SB-4 30-31'	10/31/2007	94.3	87.6
344439- 13		SB-5/MW-2 9-10'	10/31/2007	96.9	85.5
344439- 14		SB-5/MW-2 19-20'	10/31/2007	66.9	66.7
344439- 15		SB-5/MW-2 33-34'	10/31/2007	71.2	75.5
344439- 16		SB-6/MW-3 9-10'	10/31/2007	64.1	64.7
344439- 17		SB-6/MW-3 19-20'	10/31/2007	91.7	84.2
344439- 18		SB-6/MW-3 31-32'	10/31/2007	79.5	82.8
344439- 19		SB-7/MW-4 9-10'	10/31/2007	86.2	81.9
344439- 20		SB-7/MW-4 19-20'	10/31/2007	89.9	83.5
344439- 21		SB-7/MW-4 29-30'	10/31/2007	66.0	61.2
344439- 21	MS	SB-7/MW-4 29-30'	10/31/2007	106.2	95.3
344439- 21	MSD	SB-7/MW-4 29-30'	10/31/2007	107.3	94.4

Test	Test Description	Limits
ATFT	a,a,a-Trifluorotoluene	50 - 150
BFB	BFB (Surrogate)	50 - 150

SURROGATE RECOVERIES REPORT

Job Number.: 344439 Report Date.: 11/06/2007

CUSTOMER: 483648 PROJECT: MARK OWEN 9 ATTN: Arthur Greeley

Method.....: GC Volatile Organics Method Code...: 8021 Prep Batch....:
Batch(s).....: 188097 Test Matrix...: Water Equipment Code: BTEX06

Lab ID	DT	Sample ID	Date	ATFT	ATFTB	BFB	BFBB
188097- 1	LCS		10/29/2007	93.4	88.6	100.2	93.7
188097- 1	MB		10/29/2007	92.5	87.4	98.6	95.5
344439- 22		TRIP BLANK	10/29/2007	92.3	86.6	99.2	96.3
344492- 1	MS	LINE FILL	10/29/2007	91.7	84.1	99.4	92.4
344492- 1	MSD	LINE FILL	10/29/2007	93.6	91.0	100.5	93.2

Test	Test Description	Limits
ATFT	a,a,a-Trifluorotoluene	70 - 135
ATFTB	a,a,a-Trifluorotoluene Column B	70 - 135
BFB	BFB (Surrogate)	64 - 136
BFBB	BFB (Surrogate) Column B	64 - 136

Method.....: GC Volatile Organics Method Code...: 8021 Prep Batch....:
Batch(s).....: 188112 188386 Test Matrix...: Soil Equipment Code: BTEX02

Lab ID	DT	Sample ID	Date	ATFT	ATFTB	BFB	BFBB
188112- 1	LCS		10/29/2007	93.6	97.8	110.3	104.1
188112- 1	MB		10/29/2007	113.7	118.5	120.3	112.1
188386- 1	LCS		10/31/2007	88.1	92.4	105.9	105.2
188386- 1	MB		10/31/2007	107.8	112.2	114.5	106.6
344439- 1		SB-1/MW-1 9-10'	10/29/2007	90.9	93.0	97.9	103.4
344439- 1	MS	SB-1/MW-1 9-10'	10/29/2007	66.2	70.2	79.0	76.1
344439- 1	MSD	SB-1/MW-1 9-10'	10/29/2007	78.6	83.2	90.1	86.1
344439- 2		SB-1/MW-1 19-20'	10/31/2007	92.0	92.6	102.4	93.3
344439- 2	MS	SB-1/MW-1 19-20'	10/31/2007	111.2	114.4	121.1	113.6
344439- 2	MSD	SB-1/MW-1 19-20'	10/31/2007	106.2	110.6	115.5	110.1
344439- 3		SB-1/MW-1 29-30	10/31/2007	86.6	87.9	109.9	100.0
344439- 4		SB-2 9-10'	10/31/2007	86.1	87.2	99.0	89.4
344439- 5		SB-2 19-20'	10/31/2007	86.8	87.8	96.2	87.2
344439- 6		SB-2 29-30'	10/31/2007	71.3	72.2	94.9	86.4
344439- 7		SB-3 9-10'	10/31/2007	85.2	85.9	106.7	96.9
344439- 8		SB-3 19-20'	10/31/2007	87.1	89.6	96.5	88.5
344439- 9		SB-3 29-30'	10/29/2007	53.3	55.1	59.5	53.6
344439- 10		SB-4 9-10'	10/31/2007	92.6	94.3	102.2	94.6
344439- 11		SB-4 19-20'	10/31/2007	93.6	95.0	104.5	94.9
344439- 12		SB-4 30-31'	10/31/2007	95.8	97.1	106.4	96.9
344439- 13		SB-5/MW-2 9-10'	10/31/2007	100.3	101.6	108.2	98.1
344439- 14		SB-5/MW-2 19-20'	10/31/2007	88.4	89.9	97.6	88.7
344439- 15		SB-5/MW-2 33-34'	10/31/2007	87.2	88.7	103.6	94.6
344439- 16		SB-6/MW-3 9-10'	10/31/2007	89.1	90.1	99.4	90.9
344439- 17		SB-6/MW-3 19-20'	10/31/2007	88.5	89.3	98.7	90.3
344439- 18		SB-6/MW-3 31-32'	10/31/2007	80.5	81.3	101.2	91.2
344439- 19		SB-7/MW-4 9-10'	10/31/2007	85.0	86.1	96.7	88.6
344439- 20		SB-7/MW-4 19-20'	10/31/2007	85.7	87.3	97.3	88.8
344439- 21		SB-7/MW-4 29-30'	10/31/2007	81.4	82.2	90.6	82.2

Test	Test Description	Limits
ATFT	a,a,a-Trifluorotoluene	50 - 150
ATFTB	a,a,a-Trifluorotoluene Column B	50 - 150
BFB	BFB (Surrogate)	50 - 150
BFBB	BFB (Surrogate) Column B	50 - 150

REPORT COMMENTS

1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
2) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.
3) According to 40CFR Part 136.3, pH, Chlorine Residual, and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field,(e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.
4) For all USACE projects, the QC limits are based on "mean +/- 2 sigma", which are the warning limits.

General Information:

- Cresylic Acid is the combination of o,m and p-Cresol. The combination is reportesd as the final result.
- m-Cresol and p-Cresol co-elute. The result of the two is reported as either m&p-cresol or as p-cresol.
- m-Xylene and p-Xylene co-elute. The result of the two is reported as m,p-Xylene.
- N-Nitrosodiphenylamine decomposes in the gas chromatograph inlet forming dipheylamine and, consequently, may be detected as diphenylamine.
- Methylene Chloride and Acetone are recognized potential laboratory contaminants. Its presence in the sample up to five times the amount reported in the blank may be attributed to laboratory contamination.
- Trimethysilyl(Diazomethane) is used to esterify acid herbicides in Method SW-846 8151A.
- For Inorganic analyses, duplicate QC limits are determined as follows: If the sample result is less than or equal to 5 times the reporting limit, the RPD limit is equal to the reporting limit. If the sample result is greater than 5 times the reporting limit, the RPD limit is the method defined RPD.
- For TRRP reports, the header on the column RL is equivalent to a MQL/PQL.
- Results for LCS and MS/MSD recoveries listed in the report are reported as ug/L on-column values which are not corrected for variables such as sample volumes or weights extracted, final volume of extracts and dilutions. To correct QC on-column recoveries to reflect actual spiking volumes for soils, mutltiply the values reported for Diesel Range Organics and Semivolatiles by 33.3 and Gasoline Range Organics by 20. The 8260 and 1006 results will not require correction. The only corection required for water analysis is for method 1006 where the reported concentraiton must be multiplied by 0.1.
- Due to limitiation of the reporting software, results for the Method blank in the Semivolatile fraction are reported as "0". Which indicates there was no compound detected at the reporting limit for the compound reveiwed.

Explanation of Qualifiers:

U - This qualifier indicates that the analyte was analyzed but not detected.
J - (Organics only) This qualifier indicates that the analyte is an estimated value between the RL and the MDL.
B - (Inorganics only) This Qualifier indicates that the analyte is an estimated value between the RL and the MDL.
N - (Organics only) This flag indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It is applied to all TIC results. For generic charachterization of a TIC, such as "chlorinated hydrocarbon", the "N" flag is not used.

Explanation of General QC Outliers:

A - Matrix interference present in sample.
a - MS/MSD analyses yielded comparable poor recoveries, indicating a possible matrix interference. Method performance is demonstrated by acceptable LCS recoveries.
b - Target analyte was found in the method blank.
M - QC sample analysis yielded recoveries outside QC acceptance criteria. This sample was reanalyzed.
L - LCS analysis yielded high recoveries, indicating a potential high bias. No target analytes were observed above the RL in the associated samples.
G - Marginal outlier within 1% of acceptance criteria.
r - RPD value is outside method acceptance criteria.
C - Poor RPD values observed due to the non-homogenous nature of the sample.

O - Sample required dilution due to matrix interference.
D - Sample reported from a dilution.
d - Spike and/or surrogate diluted.
E - The reported concentration exceeds the instrument calibration.
F - The analyte is outside QC limits and was not detected in any associated samples in the analytical batch.
H - Continuing Calibration Verification (CCV) standard is not associated with the samples reported.
q - See the subcontract final report for qualifier explanation.
W - The MS/MSD recoveries are outside QC acceptance criteria because the amount spiked is much less than the amount found in the sample.
K - High recovery will not affect the quality of reported results.
Z - See case narrative.

Explanation of Organic QC Outliers:

e - Method blank analysis yielded phthalate concentrations above the RL. Phthlates are recognized potential laboratory contaminants. Its presence in the sample up to five times the amount reported in the blank may be attributed to laboratory contamination.
S - Sample reanalyzed/reextracted due to poor surrogate recovery. Reanalysis confirmed original analysis indicating a possible matrix interference.
T - Sample analysis yielded poor surrogate recovery.
R - The RPD between the two GC columns is greater than 40% and no anomalies are present. The higher result is reported as per EPA Method 8000B.
I - The RPD between the two GC columns is greater than 40% and anomalies are present. The lower of the two results has been reported.
X - Gaseous compound. In-house QC limits are advisory.
Y - Ketone compounds have poor purge efficiency. In-house QC limits are advisory.
f - Surrogate not associated with reported analytes.

Explanation of Inorganic QC Outliers:

Q - Method blank analysis yielded target analytes above the RL. Associated sample results are greater than 10 times the concentrations observed in the method blank.
V - The RPD control limit for sample results less than 5 times the RL is +/- the RL value. Sample and duplicate results are within method acceptance criteria.
e - Serial dilution failed due to matrix interference.
g - Sample result quantitated by Method of Standard Additions (MSA) due to the analytical spike recovery being below 85 percent. The correlation coefficent for the MSA is greater than or equal to 0.995.
s - BOD/cBOD seed value is not within method acceptance criteria. Due to the nature of the test method, the sample cannot be reanalyzed.
l - BOD/cBOD LCS value is not within method acceptance criteria. Due to the nature of the test method, sample cannot be reanalyzed.
N - Spiked sample recovery is not within control limits.
n - Sample result quantitated by Method of Standard Additions (MSA) due to the analytical spike recovery being below 85 percent. The correlation coefficient for the MSA is less than 0.995.
* - Duplicate analysis is not within control limits.

Abbreviations:

Batch - Designation given to identify a specific extraction, digestion, preparation, or analysis set.
CCV - Continuing Calibration Verification
CRA - Low level standard check - GFAA, Mercury
CRI - Low level standard check - ICP
Dil Fac - Dilution Factor - Secondary dilution analysis
DLFac - Detection Limit Factor
DU - Duplicate
EB - Extraction Blank (TCLP, SPLP, etc.)
ICAL - Initial Calibration

ICB - Initial Calibration Blank
ICV - Initial Calibration Verification
ISA - Interference Check Sample A - ICP
ISB - Interference Check Sample B - ICP
LCD - Laboratory Control Duplicate
LCS - Laboratory Control Sample
MB - Method Blank
MD - Method Duplicate
MDL - Method Detection Limit
MQL - Method Quantitation Limit (TRRP)
MS - Matrix Spike
MSD - Matrix Spike Duplicate
ND - Not Detected
PB - Preparation Blank
PREPF - Preparation Factor
RL - Reporting Limit
RPD - Relative Percent Difference
RRF - Relative Response Factor
RT - Retention Time
SQL - Sample Quantitation Limit (TRRP)
TIC - Tentatively Identified Compound

Method References:

(1) EPA 600/4-79-020 Methods for the Analysis of Water and Wastes, March 1983.
(2) EPA 600/R-94-111 Methods for the Determination of METals in Environmental Samples, Supplement I, May 1994.
(3) EPA SW846 Test Methods for Evaluating Solid Waste, Third Edition, September 1986; Update I July 1992; Update II, September 1994, Update IIA August 1993; Update IIB, January 1995; Update III, December 1996, Update IVA January 1998, Update IVB November 2000.
(4) Standard Methods for the Examination of Water and Wastewater, 16th Edition (1985), 17th Edition (1989), 18th Edition (1992), 19th Edition (1995), 20th Edition (1998).
(5) HACH Water Analysis Handbook 3rd Edition (1997).
(6) Federal Register, July 1, 1990 (40 CFR Part 136 Appendix A).
(7) Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, 2nd Edition, January 1997.

(9) Diagnosis and Improvement of Saline and Alkali Soils, Agriculture Handbook No. 60, United States Department of Agriculture, 1954.

LABORATORY CHRONICLE

Job Number: 344439 Date: 11/06/2007

CUSTOMER: Conestoga-Rovers and Associates PROJECT: MARK OWEN 9 ATTN: Arthur Greeley

Lab ID: 344439-1 Client ID: SB-1/MW-1 9-10' Date Recvd: 10/26/2007 Sample Date: 10/22/2007

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
SW-846 3550B	Extraction (Ultrasonic) DRO	1	188312		10/31/2007	1100	
SW-846 8021B	GC Volatile Organics	1	188112		10/29/2007	1051	1.0000
SW-846 9056	Ion Chromatography Analysis	1	188474		11/03/2007	1655	
SM-2540 G Mod.	Moisture (Total + Fixed Solids, Ash)	1	187988		10/26/2007	1700	
SW-846 8015B	Total Extractable Petroleum Hydrocarbons	1	188490	188312	11/02/2007	0930	5
SW-846 8015B	Total Volatile Petroleum Hydrocarbons	1	188367		10/30/2007	0848	1.0000

Lab ID: 344439-2 Client ID: SB-1/MW-1 19-20' Date Recvd: 10/26/2007 Sample Date: 10/22/2007

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
SW-846 3550B	Extraction (Ultrasonic) DRO	1	188312		10/31/2007	1100	
SW-846 8021B	GC Volatile Organics	1	188386		10/31/2007	1137	1.0000
SW-846 9056	Ion Chromatography Analysis	1	188474		11/03/2007	1742	
SM-2540 G Mod.	Moisture (Total + Fixed Solids, Ash)	1	187988		10/26/2007	1700	
SW-846 8015B	Total Extractable Petroleum Hydrocarbons	1	188490	188312	11/01/2007	1806	
SW-846 8015B	Total Volatile Petroleum Hydrocarbons	1	188367		10/30/2007	0932	1.0000

Lab ID: 344439-3 Client ID: SB-1/MW-1 29-30 Date Recvd: 10/26/2007 Sample Date: 10/22/2007

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
SW-846 3550B	Extraction (Ultrasonic) DRO	1	188312		10/31/2007	1100	
SW-846 8021B	GC Volatile Organics	1	188386		10/31/2007	1157	1.0000
SW-846 9056	Ion Chromatography Analysis	1	188474		11/03/2007	1758	
SM-2540 G Mod.	Moisture (Total + Fixed Solids, Ash)	1	187988		10/26/2007	1700	
SW-846 8015B	Total Extractable Petroleum Hydrocarbons	1	188490	188312	11/01/2007	1849	
SW-846 8015B	Total Volatile Petroleum Hydrocarbons	1	188367		10/30/2007	0957	1.0000

Lab ID: 344439-4 Client ID: SB-2 9-10' Date Recvd: 10/26/2007 Sample Date: 10/23/2007

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
SW-846 3550B	Extraction (Ultrasonic) DRO	1	188312		10/31/2007	1100	
SW-846 8021B	GC Volatile Organics	1	188386		10/31/2007	1217	1.0000
SW-846 9056	Ion Chromatography Analysis	1	188474		11/03/2007	1814	
SM-2540 G Mod.	Moisture (Total + Fixed Solids, Ash)	1	187988		10/26/2007	1700	
SW-846 8015B	Total Extractable Petroleum Hydrocarbons	1	188490	188312	11/01/2007	1933	
SW-846 8015B	Total Volatile Petroleum Hydrocarbons	1	188367		10/30/2007	1021	1.0000

Lab ID: 344439-5 Client ID: SB-2 19-20' Date Recvd: 10/26/2007 Sample Date: 10/23/2007

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
SW-846 3550B	Extraction (Ultrasonic) DRO	1	188312		10/31/2007	1100	
SW-846 8021B	GC Volatile Organics	1	188386		10/31/2007	1237	1.0000
SW-846 9056	Ion Chromatography Analysis	1	188474		11/03/2007	1829	
SM-2540 G Mod.	Moisture (Total + Fixed Solids, Ash)	1	187988		10/26/2007	1700	
SW-846 8015B	Total Extractable Petroleum Hydrocarbons	1	188490	188312	11/01/2007	2143	
SW-846 8015B	Total Volatile Petroleum Hydrocarbons	1	188367		10/30/2007	1045	1.0000

Lab ID: 344439-6 Client ID: SB-2 29-30' Date Recvd: 10/26/2007 Sample Date: 10/23/2007

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
SW-846 3550B	Extraction (Ultrasonic) DRO	1	188312		10/31/2007	1100	
SW-846 8021B	GC Volatile Organics	1	188386		10/31/2007	1310	1.0000
SW-846 9056	Ion Chromatography Analysis	1	188474		11/03/2007	1916	
SM-2540 G Mod.	Moisture (Total + Fixed Solids, Ash)	1	187988		10/26/2007	1700	
SW-846 8015B	Total Extractable Petroleum Hydrocarbons	1	188490	188312	11/01/2007	2355	
SW-846 8015B	Total Volatile Petroleum Hydrocarbons	1	188367		10/30/2007	1109	1.0000

Lab ID: 344439-7 Client ID: SB-3 9-10' Date Recvd: 10/26/2007 Sample Date: 10/23/2007

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
SW-846 3550B	Extraction (Ultrasonic) DRO	1	188312		10/31/2007	1100	

LABORATORY CHRONICLE

Job Number: 344439 Date: 11/06/2007

CUSTOMER: Conestoga-Rovers and Associates PROJECT: MARK OWEN 9 ATTN: Arthur Greeley

Lab ID: 344439-7 Client ID: SB-3 9-10' Date Recvd: 10/26/2007 Sample Date: 10/23/2007

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
SW-846 8021B	GC Volatile Organics	1	188386		10/31/2007	1330	1.0000
SW-846 9056	Ion Chromatography Analysis	1	188474		11/03/2007	1932	
SM-2540 G Mod.	Moisture (Total + Fixed Solids, Ash)	1	187988		10/26/2007	1700	
SW-846 8015B	Total Extractable Petroleum Hydrocarbons	1	188490	188312	11/02/2007	0039	
SW-846 8015B	Total Volatile Petroleum Hydrocarbons	1	188367		10/31/2007	0857	1.0000

Lab ID: 344439-8 Client ID: SB-3 19-20' Date Recvd: 10/26/2007 Sample Date: 10/23/2007

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
SW-846 3550B	Extraction (Ultrasonic) DRO	1	188312		10/31/2007	1100	
SW-846 8021B	GC Volatile Organics	1	188386		10/31/2007	1451	1.0000
SW-846 9056	Ion Chromatography Analysis	1	188474		11/03/2007	1948	
SM-2540 G Mod.	Moisture (Total + Fixed Solids, Ash)	1	187988		10/26/2007	1700	
SW-846 8015B	Total Extractable Petroleum Hydrocarbons	1	188490	188312	11/02/2007	0122	
SW-846 8015B	Total Volatile Petroleum Hydrocarbons	1	188367		10/31/2007	0921	1.0000

Lab ID: 344439-9 Client ID: SB-3 29-30' Date Recvd: 10/26/2007 Sample Date: 10/23/2007

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
SW-846 3550B	Extraction (Ultrasonic) DRO	1	188312		10/31/2007	1100	
SW-846 8021B	GC Volatile Organics	1	188112		10/29/2007	1507	1.0000
SW-846 9056	Ion Chromatography Analysis	1	188474		11/03/2007	2003	
SM-2540 G Mod.	Moisture (Total + Fixed Solids, Ash)	1	187988		10/26/2007	1700	
SW-846 8015B	Total Extractable Petroleum Hydrocarbons	1	188490	188312	11/01/2007	1556	
SW-846 8015B	Total Volatile Petroleum Hydrocarbons	1	188367		10/31/2007	0956	1.0000

Lab ID: 344439-10 Client ID: SB-4 9-10' Date Recvd: 10/26/2007 Sample Date: 10/23/2007

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
SW-846 3550B	Extraction (Ultrasonic) DRO	1	188312		10/31/2007	1100	
SW-846 8021B	GC Volatile Organics	1	188386		10/31/2007	1511	1.0000
SW-846 9056	Ion Chromatography Analysis	1	188474		11/03/2007	2019	
SM-2540 G Mod.	Moisture (Total + Fixed Solids, Ash)	1	187988		10/26/2007	1700	
SW-846 8015B	Total Extractable Petroleum Hydrocarbons	1	188490	188312	11/01/2007	1639	
SW-846 8015B	Total Volatile Petroleum Hydrocarbons	1	188367		10/31/2007	1020	1.0000

Lab ID: 344439-11 Client ID: SB-4 19-20' Date Recvd: 10/26/2007 Sample Date: 10/23/2007

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
SW-846 3550B	Extraction (Ultrasonic) DRO	1	188312		10/31/2007	1100	
SW-846 8021B	GC Volatile Organics	1	188386		10/31/2007	1531	1.0000
SW-846 9056	Ion Chromatography Analysis	1	188474		11/03/2007	2035	
SM-2540 G Mod.	Moisture (Total + Fixed Solids, Ash)	1	187988		10/26/2007	1700	
SW-846 8015B	Total Extractable Petroleum Hydrocarbons	1	188490	188312	11/01/2007	1723	
SW-846 8015B	Total Volatile Petroleum Hydrocarbons	1	188367		10/31/2007	1045	1.0000

Lab ID: 344439-12 Client ID: SB-4 30-31' Date Recvd: 10/26/2007 Sample Date: 10/23/2007

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
SW-846 3550B	Extraction (Ultrasonic) DRO	1	188312		10/31/2007	1100	
SW-846 8021B	GC Volatile Organics	1	188386		10/31/2007	1551	1.0000
SW-846 9056	Ion Chromatography Analysis	1	188474		11/03/2007	2050	
SM-2540 G Mod.	Moisture (Total + Fixed Solids, Ash)	1	187988		10/26/2007	1700	
SW-846 8015B	Total Extractable Petroleum Hydrocarbons	1	188490	188312	11/01/2007	1806	
SW-846 8015B	Total Volatile Petroleum Hydrocarbons	1	188367		10/31/2007	1109	1.0000

Lab ID: 344439-13 Client ID: SB-5/MW-2 9-10' Date Recvd: 10/26/2007 Sample Date: 10/23/2007

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
SW-846 3550B	Extraction (Ultrasonic) DRO	1	188312		10/31/2007	1100	
SW-846 8021B	GC Volatile Organics	1	188386		10/31/2007	1611	1.0000

LABORATORY CHRONICLE

Job Number: 344439 Date: 11/06/2007

CUSTOMER: Conestoga-Rovers and Associates PROJECT: MARK OWEN 9 ATTN: Arthur Greeley

Lab ID: 344439-13 Client ID: SB-5/MW-2 9-10' Date Recvd: 10/26/2007 Sample Date: 10/23/2007

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
SW-846 9056	Ion Chromatography Analysis	1	188474		11/03/2007	2106	
SM-2540 G Mod.	Moisture (Total + Fixed Solids, Ash)	1	187988		10/26/2007	1700	
SW-846 8015B	Total Extractable Petroleum Hydrocarbons	1	188490	188312	11/01/2007	1849	
SW-846 8015B	Total Volatile Petroleum Hydrocarbons	1	188367		10/31/2007	1133	1.0000

Lab ID: 344439-14 Client ID: SB-5/MW-2 19-20' Date Recvd: 10/26/2007 Sample Date: 10/23/2007

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
SW-846 3550B	Extraction (Ultrasonic) DRO	1	188312		10/31/2007	1100	
SW-846 8021B	GC Volatile Organics	1	188386		10/31/2007	1631	1.0000
SW-846 9056	Ion Chromatography Analysis	1	188474		11/03/2007	2256	
SM-2540 G Mod.	Moisture (Total + Fixed Solids, Ash)	1	187988		10/26/2007	1700	
SW-846 8015B	Total Extractable Petroleum Hydrocarbons	1	188490	188312	11/01/2007	1933	
SW-846 8015B	Total Volatile Petroleum Hydrocarbons	1	188367		10/31/2007	1158	1.0000

Lab ID: 344439-15 Client ID: SB-5/MW-2 33-34' Date Recvd: 10/26/2007 Sample Date: 10/23/2007

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
SW-846 3550B	Extraction (Ultrasonic) DRO	1	188312		10/31/2007	1100	
SW-846 8021B	GC Volatile Organics	1	188386		10/31/2007	1651	1.0000
SW-846 9056	Ion Chromatography Analysis	1	188474		11/03/2007	2311	
SM-2540 G Mod.	Moisture (Total + Fixed Solids, Ash)	1	187988		10/26/2007	1700	
SW-846 8015B	Total Extractable Petroleum Hydrocarbons	1	188490	188312	11/02/2007	1013	20
SW-846 8015B	Total Volatile Petroleum Hydrocarbons	1	188367		10/31/2007	1222	1.0000

Lab ID: 344439-16 Client ID: SB-6/MW-3 9-10' Date Recvd: 10/26/2007 Sample Date: 10/24/2007

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
SW-846 3550B	Extraction (Ultrasonic) DRO	1	188312		10/31/2007	1100	
SW-846 8021B	GC Volatile Organics	1	188386		10/31/2007	1711	1.0000
SW-846 9056	Ion Chromatography Analysis	1	188474		11/03/2007	2327	
SM-2540 G Mod.	Moisture (Total + Fixed Solids, Ash)	1	187988		10/26/2007	1700	
SW-846 8015B	Total Extractable Petroleum Hydrocarbons	1	188490	188312	11/02/2007	0930	
SW-846 8015B	Total Volatile Petroleum Hydrocarbons	1	188367		10/31/2007	1246	1.0000

Lab ID: 344439-17 Client ID: SB-6/MW-3 19-20' Date Recvd: 10/26/2007 Sample Date: 10/24/2007

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
SW-846 3550B	Extraction (Ultrasonic) DRO	1	188312		10/31/2007	1100	
SW-846 8021B	GC Volatile Organics	1	188386		10/31/2007	1731	1.0000
SW-846 9056	Ion Chromatography Analysis	1	188474		11/03/2007	2342	
SM-2540 G Mod.	Moisture (Total + Fixed Solids, Ash)	1	187988		10/26/2007	1700	
SW-846 8015B	Total Extractable Petroleum Hydrocarbons	1	188490	188312	11/01/2007	2143	
SW-846 8015B	Total Volatile Petroleum Hydrocarbons	1	188367		10/31/2007	1410	1.0000

Lab ID: 344439-18 Client ID: SB-6/MW-3 31-32' Date Recvd: 10/26/2007 Sample Date: 10/24/2007

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
SW-846 3550B	Extraction (Ultrasonic) DRO	1	188312		10/31/2007	1100	
SW-846 8021B	GC Volatile Organics	1	188386		10/31/2007	1751	1.0000
SW-846 9056	Ion Chromatography Analysis	1	188474		11/03/2007	2358	
SM-2540 G Mod.	Moisture (Total + Fixed Solids, Ash)	1	187988		10/26/2007	1700	
SW-846 8015B	Total Extractable Petroleum Hydrocarbons	1	188490	188312	11/02/2007	1013	5
SW-846 8015B	Total Volatile Petroleum Hydrocarbons	1	188367		10/31/2007	1434	1.0000

Lab ID: 344439-19 Client ID: SB-7/MW-4 9-10' Date Recvd: 10/26/2007 Sample Date: 10/24/2007

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
SW-846 3550B	Extraction (Ultrasonic) DRO	1	188312		10/31/2007	1100	
SW-846 8021B	GC Volatile Organics	1	188386		10/31/2007	1851	1.0000
SW-846 9056	Ion Chromatography Analysis	1	188474		11/04/2007	0014	

LABORATORY CHRONICLE

Job Number: 344439 Date: 11/06/2007

CUSTOMER: Conestoga-Rovers and Associates PROJECT: MARK OWEN 9 ATTN: Arthur Greeley

Lab ID: 344439-19 Client ID: SB-7/MW-4 9-10' Date Recvd: 10/26/2007 Sample Date: 10/24/2007

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
SM-2540 G Mod.	Moisture (Total + Fixed Solids, Ash)	1	187988		10/26/2007	1700	
SW-846 8015B	Total Extractable Petroleum Hydrocarbons	1	188490	188312	11/02/2007	0039	
SW-846 8015B	Total Volatile Petroleum Hydrocarbons	1	188367		10/31/2007	1458	1.0000

Lab ID: 344439-20 Client ID: SB-7/MW-4 19-20' Date Recvd: 10/26/2007 Sample Date: 10/24/2007

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
SW-846 3550B	Extraction (Ultrasonic) DRO	1	188312		10/31/2007	1100	
SW-846 8021B	GC Volatile Organics	1	188386		10/31/2007	1911	1.0000
SW-846 9056	Ion Chromatography Analysis	1	188474		11/04/2007	0116	10
SM-2540 G Mod.	Moisture (Total + Fixed Solids, Ash)	1	187988		10/26/2007	1700	
SW-846 8015B	Total Extractable Petroleum Hydrocarbons	1	188490	188312	11/02/2007	0122	
SW-846 8015B	Total Volatile Petroleum Hydrocarbons	1	188367		10/31/2007	1523	1.0000

Lab ID: 344439-21 Client ID: SB-7/MW-4 29-30' Date Recvd: 10/26/2007 Sample Date: 10/24/2007

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
SW-846 3550B	Extraction (Ultrasonic) DRO	1	188368		11/01/2007	1400	
SW-846 8021B	GC Volatile Organics	1	188386		10/31/2007	1931	1.0000
SW-846 9056	Ion Chromatography Analysis	1	188474		11/04/2007	0203	
SM-2540 G Mod.	Moisture (Total + Fixed Solids, Ash)	1	187988		10/26/2007	1700	
SW-846 8015B	Total Extractable Petroleum Hydrocarbons	1	188494	188368	11/05/2007	1048	10
SW-846 8015B	Total Volatile Petroleum Hydrocarbons	1	188367		10/31/2007	1724	1.0000

Lab ID: 344439-22 Client ID: TRIP BLANK Date Recvd: 10/26/2007 Sample Date: 10/24/2007

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
SW-846 8021B	GC Volatile Organics	1	188097		10/29/2007	1958	1.0000

STL

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CHAIN OF CUSTODY RECORD

CUSTOMER INFORMATION	PROJECT INFORMATION
COMPANY: CRA Midland/Dallas	PROJECT NAME/NUMBER: 046121
SEND REPORT TO: T. Larson / A. Greeley	**BILLING INFORMATION**
ADDRESS: See SSOW	BILL TO: CRA Dallas
	ADDRESS: 2270 Springlake Rd Ste. 800 Dallas, TX 75234
PHONE: 432 686 0086	PHONE:
FAX: -0186	FAX: PO NO:

LAB JOB NO.: 344434

SAMPLE NO.	SAMPLE DESCRIPTION	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER	PRESERV.	NUMBER OF CONTAINERS	ANALYSIS/METHOD REQUEST: 8015/DRO	8021/8015-GRO	8260 CL-	REMARKS/PRECAUTIONS
	SB-1/MW-1 9-10'	10/22/07	1230	S	glass	1 ea none	2	X	X		See CRA SSOW #046121 and Art Greeley New Mexico
	SB-1/MW-1 19-20'		1250								
	SB-1/MW-1 29-30'		1420								
	SB-2 9-10'	10/23/07	840								
	SB-2 19-20'		900								
	SB-2 29-30'		920								
	SB-3 9-10'		1030								
	SB-3 19-20'		1050								
	SB-3 29-30'		1120								

SAMPLER: T Larson | SHIPMENT METHOD: | AIRBILL NO.:

REQUIRED TURNAROUND* ☐ SAME DAY ☐ 24 HOURS ☐ 48 HOURS ☐ 72 HOURS ☐ 5 DAYS ☐ 10 DAYS ☐ ROUTINE ☐ OTHER

1. RELINQUISHED BY:	DATE	2. RELINQUISHED BY:	DATE	3. RELINQUISHED BY:	DATE
SIGNATURE:		SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY:	TIME	PRINTED NAME/COMPANY:	TIME	PRINTED NAME/COMPANY:	TIME
1. RECEIVED BY:	DATE	1. RECEIVED BY:	DATE	1. RECEIVED BY:	DATE
SIGNATURE:		SIGNATURE:	10-26-07	SIGNATURE:	
PRINTED NAME/COMPANY:	TIME	PRINTED NAME/COMPANY:	TIME 1022	PRINTED NAME/COMPANY:	TIME

*RUSH TURNAROUND MAY REQUIRE SURCHARGE

STL8222H-600 (0803)

STL Houston
6310 Rothway Drive
Houston, TX 77040

STL

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CHAIN OF CUSTODY RECORD

CUSTOMER INFORMATION	PROJECT INFORMATION
COMPANY:	PROJECT NAME/NUMBER:
SEND REPORT TO:	**BILLING INFORMATION**
ADDRESS:	BILL TO:
	ADDRESS:
PHONE:	PHONE:
FAX:	FAX: PO NO:

SAMPLE NO.	SAMPLE DESCRIPTION	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER	PRESERV.	NUMBER OF CONTAINERS	ANALYSIS/METHOD REQUEST: 8015D(G) / 9056 Cl-	ANALYSIS/METHOD REQUEST: 8021 / 8015-GRO	LAB JOB NO.	REMARKS/PRECAUTIONS
	SB-4 9-10'	10/23/07	1220	S	glass	ice	2	X	X		
	SB-4 19-20'		1240								
	SB-4 30-31'		1300								
	SB-5/MW-2 9-10'		1500								
	SB-5/MW-2 19-20'		1520								
	SB-5/MW-2 33-34'		1550								
	SB-6/MW-3 9-10'	10/24/07	840								
	SB-6/MW-3 19-20'		900								
	SB-6/MW-3 31-32'		940								

SAMPLER: Tom Lanza

SHIPMENT METHOD:

AIRBILL NO.:

REQUIRED TURNAROUND* ☐ SAME DAY ☐ 24 HOURS ☐ 48 HOURS ☐ 72 HOURS ☐ 5 DAYS ☐ 10 DAYS ☐ ROUTINE ☐ OTHER

1. RELINQUISHED BY:	DATE	2. RELINQUISHED BY:	DATE	3. RELINQUISHED BY:	DATE
SIGNATURE:		SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY:	TIME	PRINTED NAME/COMPANY:	TIME	PRINTED NAME/COMPANY:	TIME
1. RECEIVED BY:	DATE	1. RECEIVED BY:	DATE	1. RECEIVED BY:	DATE
SIGNATURE:		SIGNATURE:	10-26-07	SIGNATURE:	
PRINTED NAME/COMPANY:	TIME	PRINTED NAME/COMPANY: TL	TIME 1022	PRINTED NAME/COMPANY:	TIME

*RUSH TURNAROUND MAY REQUIRE SURCHARGE

STL8222H-600 (0803)

STL Houston
6310 Rothway Drive
Houston, TX 77040

STL

Pg 3 of 3

U654U7

CHAIN OF CUSTODY RECORD

CUSTOMER INFORMATION	PROJECT INFORMATION
COMPANY:	PROJECT NAME/NUMBER:
SEND REPORT TO:	**BILLING INFORMATION**
ADDRESS:	BILL TO:
	ADDRESS:
PHONE:	PHONE:
FAX:	FAX: PO NO:

LAB JOB NO.

SAMPLE NO.	SAMPLE DESCRIPTION	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER	PRESERV.	NUMBER OF CONTAINERS	ANALYSIS/METHOD REQUEST: 8015-DRO/9056 Cl-, 8021/8015 GRO	REMARKS/PRECAUTIONS
	SB-7/MW-4 9-10'	10/24/07	1240	S	glass		2	X X	
	SB-7/MW-4 19-20'	↓	1300	↓	↓		2	X X	
	SB-7/MW-4 29-30'	↓	1330	↓	↓		2	X X	

SAMPLER: Tom Larson

SHIPMENT METHOD:

AIRBILL NO.:

REQUIRED TURNAROUND* ☐ SAME DAY ☐ 24 HOURS ☐ 48 HOURS ☐ 72 HOURS ☐ 5 DAYS ☐ 10 DAYS ☐ ROUTINE ☐ OTHER per CRA contract

1. RELINQUISHED BY: to FedEx	DATE	2. RELINQUISHED BY:	DATE	3. RELINQUISHED BY:	DATE
SIGNATURE: Tom Larson	10/25/07	SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY: Tom Larson CRA Midland	TIME 1500	PRINTED NAME/COMPANY:	TIME	PRINTED NAME/COMPANY:	TIME
1. RECEIVED BY:	DATE	1. RECEIVED BY:	DATE	1. RECEIVED BY:	DATE
SIGNATURE:		SIGNATURE:	for Fed Ex	SIGNATURE:	
PRINTED NAME/COMPANY:	TIME	PRINTED NAME/COMPANY: TAL	TIME 1000	PRINTED NAME/COMPANY:	TIME

*RUSH TURNAROUND MAY REQUIRE SURCHARGE

STL8222H-600 (0803)

STL Houston
6310 Rothway Drive
Houston, TX 77040

rpjsckl | Job Sample Receipt Checklist Report | V2

Job Number.: 344439 Location.: 57216 Check List Number.: 1 Description.:
Customer Job ID.....: Job Check List Date.: 10/26/2007 Date of the Report..: 10/26/2007
Project Number.: 99007656 Project Description.: Mark Owen 9 Project Manager.....: sgk
Customer.....: Conestoga-Rovers and Associates Contact.: Arthur Greeley

Questions ?	(Y/N)	Comments
Chain of Custody Received?	Y	
...If "yes", completed properly?	Y	
Custody seal on shipping container?	N	
...If "yes", custody seal intact?		
Custody seals on sample containers?	N	
...If "yes", custody seal intact?		
Samples chilled?	Y	
Temperature of cooler acceptable? (4 deg C +/- 2).	Y	2.9
...If "no", is sample an air matrix?(no temp req.)		
Thermometer ID	Y	463
Samples received intact (good condition)?	Y	
Volatile samples acceptable? (no headspace)		
Correct containers used?	Y	
Adequate sample volume provided?	Y	
Samples preserved correctly?	Y	
Samples received within holding-time?	Y	
Agreement between COC and sample labels?	Y	
Radioactivity at or below background levels?	Y	
Additional		
Comments		
Sample Custodian Signature/Date	Y	MT

10-26-07

STL

ANALYTICAL REPORT

JOB NUMBER: 344828
Project ID: MARK OWEN 9

Prepared For:

Conestoga-Rovers and Associates
2270 Springlake Road
Suite 800
Dallas, TX 75234

Attention: Arthur Greeley

Date: 11/13/2007

Signature

11/13/07
Date

Name: Sachin G. Kudchadkar

Title: Project Manager III

E-Mail: sachin.kudchadkar@testamericainc.com

TestAmerica Laboratories, Inc
6310 Rothway Drive
Houston, TX 77040

PHONE: 713-690-4444

TOTAL NO. OF PAGES 52

STL

11/13/2007

Arthur Greeley
Conestoga-Rovers and Associates
2270 Springlake Road
Suite 800
Dallas, TX 75234

Reference:
Project : MARK OWEN 9
Project No. : 344828
Date Received : 11/03/2007
TestAmerica Job : 344828

Dear Arthur Greeley:

Enclosed are the analytical results for your project referenced above. The following samples are included in the report.

1. MW1
2. MW2
3. MW3
4. MW4
5. DUP1
6. TRIP BLANK

All holding times were met for the tests performed on these samples.

Enclosed, please find the Quality Control Summary. All quality control results for the QC batch that are applicable to the sample(s) are acceptable except as noted in the QC batch reports.

The test results in this report meet all QC requirements for TestAmerica Houston's QC limits. Any exceptions to these QC requirements will be noted and included in a case narrative as a part of this report.

If the report is acceptable, please approve the enclosed invoice and forward it for payment.

Thank you for selecting TestAmerica to serve as your analytical laboratory on this project. If you have any questions concerning these results, please feel free to contact me at any time.

We look forward to working with you on future projects.

Sincerely,

Sachin G. Kudchadkar
Project Manager

SAMPLE INFORMATION
Date: 11/13/2007

Job Number.: 344828
Customer...: Conestoga-Rovers and Associates
Attn.....: Arthur Greeley

Project Number.....: 99007656
Customer Project ID....: MARK OWEN 9
Project Description....: Mark Owen 9

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
344828-1	MW1	Water	11/01/2007	12:20	11/03/2007	11:28
344828-2	MW2	Water	11/01/2007	13:00	11/03/2007	11:28
344828-3	MW3	Water	11/01/2007	13:18	11/03/2007	11:28
344828-4	MW4	Water	11/01/2007	13:50	11/03/2007	11:28
344828-5	DUP1	Water	11/01/2007	00:00	11/03/2007	11:28
344828-6	TRIP BLANK	Trip Blank	11/01/2007	00:00	11/03/2007	11:28

LABORATORY TEST RESULTS

Job Number: 344828

Date:11/13/2007

CUSTOMER: Conestoga-Rovers and Associates | PROJECT: MARK OWEN 9 | ATTN: Arthur Greeley

Customer Sample ID: MW1
Date Sampled.....: 11/01/2007
Time Sampled.....: 12:20
Sample Matrix.....: Water

Laboratory Sample ID: 344828-1
Date Received.....: 11/03/2007
Time Received.....: 11:28

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
EPA 300.0	Ion Chromatography Analysis											
	Chloride	321			5.07	5.0	10	mg/L	188846		11/09/07 2110	sur
	Sulfate (SO4)	84.4			3.28	5.0	10	mg/L	188846		11/09/07 2110	sur
SM2540 C	Solids, Total Dissolved (TDS), Water	1010			0.153	10	1	mg/L	188711		11/07/07 1830	tws
EPA 310.1	Alkalinity, Total as CaCO3, Water	201			1.14	5.0	1	mg/L CaCO	188622		11/06/07 1600	enc
SW-846 7470A	Mercury (Hg), Water	0.053	U		0.053	0.20	1	ug/L	188634		11/07/07 1351	dcl
SW-846 3010A	Acid Digestion, Water	Complete					1		188939		11/12/07 1640	rim
SW-846 8021B	GC Volatile Organics											
	Benzene, Water	0.06	U		0.06	1.00	1.0000	ug/L	188673		11/07/07 0904	mht
	Toluene, Water	0.10	U		0.10	1.00	1.0000	ug/L	188673		11/07/07 0904	mht
	Ethylbenzene, Water	0.12	U		0.12	1.00	1.0000	ug/L	188673		11/07/07 0904	mht
	Xylenes (total), Water	0.21	U		0.21	3.00	1.0000	ug/L	188673		11/07/07 0904	mht
SW-846 8015B	Total Volatile Petroleum Hydrocarbons											
	TVPH as GRO, Water	20.14	U		20.14	50.0	1.0000	ug/L	188571		11/05/07 0938	mht
SW846 8015	Extraction (Sep Funnel) 8015 Diesel											
	Separatory Funnel Liq/Liq Extraction, Water	Complete					1		188454		11/05/07 0900	mra
SW-846 6010B	Metals Analysis (ICAP Trace)											
	Arsenic (As), Water	0.0144	B		0.00310	0.020	1	mg/L	188959		11/13/07 1137	twr
	Barium (Ba), Water	0.0839			0.00160	0.020	1	mg/L	188959		11/13/07 1137	twr
	Cadmium (Cd), Water	0.00073	U		0.00073	0.005	1	mg/L	188959		11/13/07 1137	twr
	Chromium (Cr), Water	0.00155	U		0.00155	0.010	1	mg/L	188959		11/13/07 1137	twr

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 344828

Date:11/13/2007

CUSTOMER: Conestoga-Rovers and Associates | PROJECT: MARK OWEN 9 | ATTN: Arthur Greeley

Customer Sample ID: MW1
Date Sampled.....: 11/01/2007
Time Sampled.....: 12:20
Sample Matrix.....: Water

Laboratory Sample ID: 344828-1
Date Received.....: 11/03/2007
Time Received.....: 11:28

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Lead (Pb), Water	0.00210	U		0.00210	0.010	1	mg/L	188959		11/13/07 1137	twr
	Selenium (Se), Water	0.00752	B		0.00203	0.040	1	mg/L	188959		11/13/07 1137	twr
	Silver (Ag), Water	0.00125	U		0.00125	0.010	1	mg/L	188959		11/13/07 1137	twr
SW-846 8015B	Total Extractable Petroleum Hydrocarbons											
	TEPH - as Diesel, Water	0.36	U			0.36	1	mg/L	188669		11/05/07 1819	jps

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 344828

Date:11/13/2007

CUSTOMER: Conestoga-Rovers and Associates | PROJECT: MARK OWEN 9 | ATTN: Arthur Greeley

Customer Sample ID: MW2
Date Sampled.....: 11/01/2007
Time Sampled.....: 13:00
Sample Matrix.....: Water

Laboratory Sample ID: 344828-2
Date Received.....: 11/03/2007
Time Received.....: 11:28

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
EPA 300.0	Ion Chromatography Analysis											
	Chloride	200			5.07	5.0	10	mg/L	188846		11/09/07 2212	sur
	Sulfate (SO4)	72.4			3.28	5.0	10	mg/L	188846		11/09/07 2212	sur
SM2540 C	Solids, Total Dissolved (TDS), Water	698			0.153	10	1	mg/L	188711		11/07/07 1830	tws
EPA 310.1	Alkalinity, Total as CaCO3, Water	187			1.14	5.0	1	mg/L CaCO	188622		11/06/07 1600	enc
SW-846 7470A	Mercury (Hg), Water	0.053	U		0.053	0.20	1	ug/L	188634		11/07/07 1358	dcl
SW-846 3010A	Acid Digestion, Water	Complete					1		188939		11/12/07 1640	rim
SW-846 8021B	GC Volatile Organics											
	Benzene, Water	0.06	U		0.06	1.00	1.0000	ug/L	188673		11/07/07 0924	mht
	Toluene, Water	0.35	J		0.10	1.00	1.0000	ug/L	188673		11/07/07 0924	mht
	Ethylbenzene, Water	0.12	U		0.12	1.00	1.0000	ug/L	188673		11/07/07 0924	mht
	Xylenes (total), Water	0.21	U		0.21	3.00	1.0000	ug/L	188673		11/07/07 0924	mht
SW-846 8015B	Total Volatile Petroleum Hydrocarbons											
	TVPH as GRO, Water	20.14	U		20.14	50.0	1.0000	ug/L	188571		11/05/07 1004	mht
SW846 8015	Extraction (Sep Funnel) 8015 Diesel											
	Separatory Funnel Liq/Liq Extraction, Water	Complete					1		188454		11/05/07 0900	mra
SW-846 6010B	Metals Analysis (ICAP Trace)											
	Arsenic (As), Water	0.0123	B		0.00310	0.020	1	mg/L	188959		11/13/07 1141	twr
	Barium (Ba), Water	0.0979			0.00160	0.020	1	mg/L	188959		11/13/07 1141	twr
	Cadmium (Cd), Water	0.00073	U		0.00073	0.005	1	mg/L	188959		11/13/07 1141	twr
	Chromium (Cr), Water	0.00155	U		0.00155	0.010	1	mg/L	188959		11/13/07 1141	twr

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 344828

Date:11/13/2007

CUSTOMER: Conestoga-Rovers and Associates PROJECT: MARK OWEN 9 ATTN: Arthur Greeley

Customer Sample ID: MW2
Date Sampled.....: 11/01/2007
Time Sampled.....: 13:00
Sample Matrix.....: Water

Laboratory Sample ID: 344828-2
Date Received.....: 11/03/2007
Time Received.....: 11:28

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Lead (Pb), Water	0.00210	U		0.00210	0.010	1	mg/L	188959		11/13/07 1141	twr
	Selenium (Se), Water	0.00403	B		0.00203	0.040	1	mg/L	188959		11/13/07 1141	twr
	Silver (Ag), Water	0.00125	U		0.00125	0.010	1	mg/L	188959		11/13/07 1141	twr
SW-846 8015B	Total Extractable Petroleum Hydrocarbons											
	TEPH - as Diesel, Water	1.8				0.36	1	mg/L	188669		11/05/07 1609	jps

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 344828

Date:11/13/2007

CUSTOMER: Conestoga-Rovers and Associates | PROJECT: MARK OWEN 9 | ATTN: Arthur Greeley

Customer Sample ID: MW3
Date Sampled.....: 11/01/2007
Time Sampled.....: 13:18
Sample Matrix.....: Water

Laboratory Sample ID: 344828-3
Date Received.....: 11/03/2007
Time Received.....: 11:28

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
EPA 300.0	Ion Chromatography Analysis											
	Chloride	77.0			5.07	5.0	10	mg/L	188846		11/09/07 2244	sur
	Sulfate (SO4)	40.6			0.328	0.50	1	mg/L	188846		11/09/07 2228	sur
SM2540 C	Solids, Total Dissolved (TDS), Water	476			0.153	10	1	mg/L	188711		11/07/07 1830	tws
EPA 310.1	Alkalinity, Total as CaCO3, Water	212			1.14	5.0	1	mg/L CaCO	188622		11/06/07 1600	enc
SW-846 7470A	Mercury (Hg), Water	0.053	U		0.053	0.20	1	ug/L	188634		11/07/07 1400	dcl
SW-846 3010A	Acid Digestion, Water	Complete					1		188939		11/12/07 1640	rim
SW-846 8021B	GC Volatile Organics											
	Benzene, Water	0.06	U		0.06	1.00	1.0000	ug/L	188673		11/07/07 0944	mht
	Toluene, Water	0.50	J		0.10	1.00	1.0000	ug/L	188673		11/07/07 0944	mht
	Ethylbenzene, Water	0.12	U		0.12	1.00	1.0000	ug/L	188673		11/07/07 0944	mht
	Xylenes (total), Water	0.21	U		0.21	3.00	1.0000	ug/L	188673		11/07/07 0944	mht
SW-846 8015B	Total Volatile Petroleum Hydrocarbons											
	TVPH as GRO, Water	20.14	U		20.14	50.0	1.0000	ug/L	188571		11/05/07 1031	mht
SW846 8015	Extraction (Sep Funnel) 8015 Diesel											
	Separatory Funnel Liq/Liq Extraction, Water	Complete					1		188454		11/05/07 0900	mra
SW-846 6010B	Metals Analysis (ICAP Trace)											
	Arsenic (As), Water	0.0185	B		0.00310	0.020	1	mg/L	188959		11/13/07 1145	twr
	Barium (Ba), Water	0.102			0.00160	0.020	1	mg/L	188959		11/13/07 1145	twr
	Cadmium (Cd), Water	0.00073	U		0.00073	0.005	1	mg/L	188959		11/13/07 1145	twr
	Chromium (Cr), Water	0.00155	U		0.00155	0.010	1	mg/L	188959		11/13/07 1145	twr

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 344828

Date:11/13/2007

CUSTOMER: Conestoga-Rovers and Associates | PROJECT: MARK OWEN 9 | ATTN: Arthur Greeley

Customer Sample ID: MW3
Date Sampled.....: 11/01/2007
Time Sampled.....: 13:18
Sample Matrix.....: Water

Laboratory Sample ID: 344828-3
Date Received.....: 11/03/2007
Time Received.....: 11:28

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Lead (Pb), Water	0.00210	U		0.00210	0.010	1	mg/L	188959		11/13/07 1145	twr
	Selenium (Se), Water	0.00282	B		0.00203	0.040	1	mg/L	188959		11/13/07 1145	twr
	Silver (Ag), Water	0.00125	U		0.00125	0.010	1	mg/L	188959		11/13/07 1145	twr
SW-846 8015B	Total Extractable Petroleum Hydrocarbons TEPH - as Diesel, Water	0.36	U			0.36	1	mg/L	188669		11/05/07 1652	jps

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 344828

Date:11/13/2007

CUSTOMER: Conestoga-Rovers and Associates | PROJECT: MARK OWEN 9 | ATTN: Arthur Greeley

Customer Sample ID: MW4
Date Sampled.....: 11/01/2007
Time Sampled.....: 13:50
Sample Matrix.....: Water

Laboratory Sample ID: 344828-4
Date Received.....: 11/03/2007
Time Received.....: 11:28

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
EPA 300.0	Ion Chromatography Analysis											
	Chloride	6360			507	500	1000	mg/L	188846		11/10/07 0002	sur
	Sulfate (SO4)	180			3.28	5.0	10	mg/L	188846		11/09/07 2259	sur
SM2540 C	Solids, Total Dissolved (TDS), Water	12100			0.153	40	1	mg/L	188711		11/07/07 1830	tws
EPA 310.1	Alkalinity, Total as CaCO3, Water	193			1.14	5.0	1	mg/L CaCO	188622		11/06/07 1600	enc
SW-846 7470A	Mercury (Hg), Water	0.053	U		0.053	0.20	1	ug/L	188634		11/07/07 1405	dcl
SW-846 3010A	Acid Digestion, Water	Complete					1		188939		11/12/07 1640	rim
SW-846 8021B	GC Volatile Organics											
	Benzene, Water	0.06	U		0.06	1.00	1.0000	ug/L	188673		11/07/07 1004	mht
	Toluene, Water	0.52	J		0.10	1.00	1.0000	ug/L	188673		11/07/07 1004	mht
	Ethylbenzene, Water	0.12	U		0.12	1.00	1.0000	ug/L	188673		11/07/07 1004	mht
	Xylenes (total), Water	0.21	U		0.21	3.00	1.0000	ug/L	188673		11/07/07 1004	mht
SW-846 8015B	Total Volatile Petroleum Hydrocarbons											
	TVPH as GRO, Water	20.14	U		20.14	50.0	1.0000	ug/L	188571		11/05/07 1057	mht
SW846 8015	Extraction (Sep Funnel) 8015 Diesel											
	Separatory Funnel Liq/Liq Extraction, Water	Complete					1		188454		11/05/07 0900	mra
SW-846 6010B	Metals Analysis (ICAP Trace)											
	Arsenic (As), Water	0.0203			0.00310	0.020	1	mg/L	188959		11/13/07 1148	twr
	Barium (Ba), Water	0.117			0.00160	0.020	1	mg/L	188959		11/13/07 1148	twr
	Cadmium (Cd), Water	0.00073	U		0.00073	0.005	1	mg/L	188959		11/13/07 1148	twr
	Chromium (Cr), Water	0.00205	B		0.00155	0.010	1	mg/L	188959		11/13/07 1148	twr

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 344828

Date:11/13/2007

CUSTOMER: Conestoga-Rovers and Associates | PROJECT: MARK OWEN 9 | ATTN: Arthur Greeley

Customer Sample ID: MW4
Date Sampled.....: 11/01/2007
Time Sampled.....: 13:50
Sample Matrix.....: Water

Laboratory Sample ID: 344828-4
Date Received.....: 11/03/2007
Time Received.....: 11:28

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Lead (Pb), Water	0.00210	U		0.00210	0.010	1	mg/L	188959		11/13/07 1148	twr
	Selenium (Se), Water	0.00425	B		0.00203	0.040	1	mg/L	188959		11/13/07 1148	twr
	Silver (Ag), Water	0.00125	U		0.00125	0.010	1	mg/L	188959		11/13/07 1148	twr
SW-846 8015B	Total Extractable Petroleum Hydrocarbons TEPH - as Diesel, Water	0.36	U			0.36	1	mg/L	188669		11/05/07 1736	jps

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 344828

Date:11/13/2007

CUSTOMER: Conestoga-Rovers and Associates | PROJECT: MARK OWEN 9 | ATTN: Arthur Greeley

Customer Sample ID: DUP1
Date Sampled.....: 11/01/2007
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 344828-5
Date Received.....: 11/03/2007
Time Received.....: 11:28

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
EPA 300.0	Ion Chromatography Analysis											
	Chloride	6170			507	500	1000	mg/L	188846		11/10/07 0049	sur
	Sulfate (SO4)	189			3.28	5.0	10	mg/L	188846		11/10/07 0017	sur
SM2540 C	Solids, Total Dissolved (TDS), Water	12800			0.153	100	1	mg/L	188711		11/07/07 1830	tws
EPA 310.1	Alkalinity, Total as CaCO3, Water	193			1.14	5.0	1	mg/L CaCO	188622		11/06/07 1600	enc
SW-846 7470A	Mercury (Hg), Water	0.053	U		0.053	0.20	1	ug/L	188634		11/07/07 1407	dcl
SW-846 3010A	Acid Digestion, Water	Complete					1		188939		11/12/07 1640	rim
SW-846 8021B	GC Volatile Organics											
	Benzene, Water	0.06	U		0.06	1.00	1.0000	ug/L	188673		11/07/07 1024	mht
	Toluene, Water	0.54	J		0.10	1.00	1.0000	ug/L	188673		11/07/07 1024	mht
	Ethylbenzene, Water	0.12	U		0.12	1.00	1.0000	ug/L	188673		11/07/07 1024	mht
	Xylenes (total), Water	0.21	U		0.21	3.00	1.0000	ug/L	188673		11/07/07 1024	mht
SW-846 8015B	Total Volatile Petroleum Hydrocarbons											
	TVPH as GRO, Water	20.14	U		20.14	50.0	1.0000	ug/L	188571		11/05/07 1124	mht
SW846 8015	Extraction (Sep Funnel) 8015 Diesel											
	Separatory Funnel Liq/Liq Extraction, Water	Complete					1		188454		11/05/07 0900	mra
SW-846 6010B	Metals Analysis (ICAP Trace)											
	Arsenic (As), Water	0.0176	B		0.00310	0.020	1	mg/L	188959		11/13/07 1152	twr
	Barium (Ba), Water	0.116			0.00160	0.020	1	mg/L	188959		11/13/07 1152	twr
	Cadmium (Cd), Water	0.00073	U		0.00073	0.005	1	mg/L	188959		11/13/07 1152	twr
	Chromium (Cr), Water	0.00155	U		0.00155	0.010	1	mg/L	188959		11/13/07 1152	twr

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 344828

Date:11/13/2007

CUSTOMER: Conestoga-Rovers and Associates | PROJECT: MARK OWEN 9 | ATTN: Arthur Greeley

Customer Sample ID: DUP1
Date Sampled.....: 11/01/2007
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 344828-5
Date Received.....: 11/03/2007
Time Received.....: 11:28

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Lead (Pb), Water	0.00210	U		0.00210	0.010	1	mg/L	188959		11/13/07 1152	twr
	Selenium (Se), Water	0.00246	B		0.00203	0.040	1	mg/L	188959		11/13/07 1152	twr
	Silver (Ag), Water	0.00125	U		0.00125	0.010	1	mg/L	188959		11/13/07 1152	twr
SW-846 8015B	Total Extractable Petroleum Hydrocarbons TEPH - as Diesel, Water	0.36	U			0.36	1	mg/L	188669		11/05/07 1819	jps

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 344828

Date:11/13/2007

CUSTOMER: Conestoga-Rovers and Associates | PROJECT: MARK OWEN 9 | ATTN: Arthur Greeley

Customer Sample ID: TRIP BLANK
Date Sampled.....: 11/01/2007
Time Sampled.....: 00:00
Sample Matrix.....: Trip Blank

Laboratory Sample ID: 344828-6
Date Received.....: 11/03/2007
Time Received.....: 11:28

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
SW-846 8021B	GC Volatile Organics											
	Benzene, Water	0.06	U		0.06	1.00	1.0000	ug/L	188673		11/07/07 1044	mht
	Toluene, Water	0.10	U		0.10	1.00	1.0000	ug/L	188673		11/07/07 1044	mht
	Ethylbenzene, Water	0.12	U		0.12	1.00	1.0000	ug/L	188673		11/07/07 1044	mht
	Xylenes (total), Water	0.21	U		0.21	3.00	1.0000	ug/L	188673		11/07/07 1044	mht

* In Description = Dry Wgt.

QUALITY CONTROL RESULTS

Job Number.: 344828 Report Date.: 11/13/2007

CUSTOMER: Conestoga-Rovers and Associates PROJECT: MARK OWEN 9 ATTN: Arthur Greeley

Test Method.....: EPA 310.1 Analyst...: enc
Method Description.: Alkalinity Units.....: mg/L CaCO3 Test Code.: ALK
Parameter.....: Alkalinity, Total as CaCO3 Batch(s)...: 188622

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
MS	344828-5	WC3916	426.54		250.000000	193.19	93.3	75-125		11/06/2007	1600
DU	344828-5		195.10			193.19	1.0	20		11/06/2007	1600
LCS	188622--21	WC3900A	956.37		1000.0		95.6	90.0-110.		11/06/2007	1600
DU	344709-1		256.31			254.40	0.7	20		11/06/2007	1600
MB	188622--21		1.91							11/06/2007	1600
MS	344709-1	WC3916	489.66		250.000000	254.40	94.1	75-125		11/06/2007	1600

Test Method.....: EPA 310.1 Analyst...: enc
Method Description.: Alkalinity Units.....: mg/L CaCO3 Test Code.: HCO3
Parameter.....: Bicarbonate (HCO3) Batch(s)...: 188622

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
MB	188622--21		1.91							11/06/2007	1600

Test Method.....: EPA 310.1 Analyst...: enc
Method Description.: Alkalinity Units.....: mg/L CaCO3 Test Code.: CO3
Parameter.....: Carbonate (CO3) Batch(s)...: 188622

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
MB	188622--21		0							11/06/2007	1600

Test Method.....: SM2540 C Analyst...: tws
Method Description.: Solids, Total Dissolved (TDS) Units.....: mg/L Test Code.: TDS
Parameter.....: Solids, Total Dissolved (TDS) Batch(s)...: 188711

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
MB	188711--21		-1.00							11/07/2007	1830
DU	344828-1		998.00			1009.00	1.1	10.0		11/07/2007	1830
LCS	188711--21	WCS46891	1783.00		1800		99.1	90.0-110.		11/07/2007	1830

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 344828 — Report Date.: 11/13/2007

CUSTOMER: Conestoga-Rovers and Associates — PROJECT: MARK OWEN 9 — ATTN: Arthur Greeley

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: SW-846 8021B — Units.....: ug/L — Analyst...: mht
Method Description.: GC Volatile Organics — Batch(s)...: 188673

LCS	Laboratory Control Sample	BXS110607B	188673-1		11/07/2007	0804

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Benzene, Water	46.9595		50.000000		93.9		72-134	
Toluene, Water	46.8792		50.000000		93.8		76-131	
Ethylbenzene, Water	48.2431		50.000000		96.5		75-131	
m,p-Xylene, Water	97.7331		100.000000		97.7		75-130	
o-Xylene, Water	48.4981		50.000000		97.0		74-129	
Xylenes (total), Water	146.2312		150.000000		97.5		70-130	
Total BTEX, Water	288.3130		300.000000		96.1		70-130	
Benzene Column B, Water	44.9047		50.000000		89.8		72-134	
Toluene Column B, Water	46.6658		50.000000		93.3		76-131	
Ethylbenzene Column B, Water	47.4742		50.000000		94.9		75-131	
m,p-Xylene Column B, Water	95.9085		100.000000		95.9		75-130	
o-Xylene Column B, Water	48.2651		50.000000		96.5		74-129	

MB	Method Blank		188673-1		11/07/2007	0844

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Benzene, Water	ND							
Toluene, Water	ND							
Ethylbenzene, Water	ND							
m,p-Xylene, Water	ND							
o-Xylene, Water	ND							
Xylenes (total), Water	0.0000							
Total BTEX, Water	0.0000							
Benzene Column B, Water	ND							
Toluene Column B, Water	ND							
Ethylbenzene Column B, Water	ND							
m,p-Xylene Column B, Water	ND							
o-Xylene Column B, Water	ND							

MS	Matrix Spike	BXS110607A	344828-2		11/07/2007	1105

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Benzene, Water	49.1937		50.000000	ND	98		70-130	
Toluene, Water	50.6914		50.000000	0.32147	101		70-130	
Ethylbenzene, Water	53.5711		50.000000	ND	107		70-130	
m,p-Xylene, Water	107.658		100.000000	ND	108		70-130	
o-Xylene, Water	53.1615		50.000000	ND	106		70-130	
Xylenes (total), Water	161.3460		150.000000	0.0000	108		70-130	
Total BTEX, Water	315.2869		300.000000	0.3502	105		70-130	
Benzene Column B, Water	47.2556		50.000000	ND	95		70-130	
Toluene Column B, Water	51.1761		50.000000	0.35024	102		70-130	
Ethylbenzene Column B, Water	53.0992		50.000000	ND	106		70-130	
m,p-Xylene Column B, Water	106.220		100.000000	ND	106		70-130	
o-Xylene Column B, Water	53.6880		50.000000	ND	107		70-130	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 344828 Report Date.: 11/13/2007

CUSTOMER: Conestoga-Rovers and Associates PROJECT: MARK OWEN 9 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	BXS110607A	344828-2		11/07/2007	1125

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Benzene, Water	47.2497	49.1937	50.000000	ND	94		70-130	
					4.0		20.0	
Toluene, Water	48.7136	50.6914	50.000000	0.32147	97		70-130	
					4.0		20.0	
Ethylbenzene, Water	51.2420	53.5711	50.000000	ND	102		70-130	
					4.4		20.0	
m,p-Xylene, Water	103.354	107.658	100.000000	ND	103		70-130	
					4.1		20.0	
o-Xylene, Water	51.1503	53.1615	50.000000	ND	102		70-130	
					3.9		20.0	
Xylenes (total), Water	154.5043	161.3460	150.000000	0.0000	103		70-130	
					4.3		20.0	
Total BTEX, Water	301.7096	315.2869	300.000000	0.3502	100		70-130	
					4.4		20.0	
Benzene Column B, Water	45.1450	47.2556	50.000000	ND	90		70-130	
					4.6		20.0	
Toluene Column B, Water	48.5462	51.1761	50.000000	0.35024	96		70-130	
					5.3		20.0	
Ethylbenzene Column B, Water	50.5485	53.0992	50.000000	ND	101		70-130	
					4.9		20.0	
m,p-Xylene Column B, Water	100.697	106.220	100.000000	ND	101		70-130	
					5.3		20.0	
o-Xylene Column B, Water	51.1243	53.6880	50.000000	ND	102		70-130	
					4.9		20.0	

Test Method.....: SW-846 8015B Units.....: ug/L Analyst...: mht
Method Description.: Total Volatile Petroleum Hydrocarbons Batch(s)...: 188571

LCS	Laboratory Control Sample	BXS110507F	188571-1		11/05/2007	0845

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
TVPH as GRO, Water	230.510		250.000000		92.2		78-140	

MB	Method Blank		188571-1		11/05/2007	0911

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
TVPH as GRO, Water	ND							

MS	Matrix Spike	BX091307A	344828-1		11/05/2007	1150

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
TVPH as GRO, Water	273.695		250.000000	ND	109		70-130	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 344828 Report Date.: 11/13/2007

CUSTOMER: Conestoga-Rovers and Associates PROJECT: MARK OWEN 9 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	BX091307A	344828-1		11/05/2007	1219

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
TVPH as GRO, Water	278.768	273.695	250.000000	ND	112		70-130	
					1.8		30.0	

Test Method.....: EPA 300.0 Units.....: mg/L Analyst...: sur
Method Description.: Ion Chromatography Analysis Batch(s)...: 188846

CCB	Continuing Calibration Blank				11/09/2007	1730

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Bromide (Br)	0							
Chloride	0							
Fluoride (F)	0							
Nitrogen, Nitrate as N (NO3-N)	0							
Sulfate (SO4)	0							
Nitrogen, Nitrite as N (NO2-N)	0							

CCB	Continuing Calibration Blank				11/09/2007	2038

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Bromide (Br)	0							
Chloride	0							
Fluoride (F)	0							
Nitrogen, Nitrate as N (NO3-N)	0							
Sulfate (SO4)	0							
Nitrogen, Nitrite as N (NO2-N)	0							

CCB	Continuing Calibration Blank				11/09/2007	2346

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Bromide (Br)	0							
Chloride	0							
Fluoride (F)	0							
Nitrogen, Nitrate as N (NO3-N)	0							
Sulfate (SO4)	0							
Nitrogen, Nitrite as N (NO2-N)	0							

CCB	Continuing Calibration Blank				11/10/2007	0254

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Bromide (Br)	0							
Chloride	0							
Fluoride (F)	0							
Nitrogen, Nitrate as N (NO3-N)	0							
Sulfate (SO4)	0							
Nitrogen, Nitrite as N (NO2-N)	0							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 344828 Report Date.: 11/13/2007

CUSTOMER: Conestoga-Rovers and Associates PROJECT: MARK OWEN 9 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank				11/10/2007	0341

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Bromide (Br)	0							
Chloride	0							
Fluoride (F)	0							
Nitrogen, Nitrate as N (NO3-N)	0							
Sulfate (SO4)	0							
Nitrogen, Nitrite as N (NO2-N)	0							

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	WCS46864A			11/09/2007	1715

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Bromide (Br)	18.628		20.00		93.1		90.0-110.0	
Chloride	19.136		20.00		95.7		90.0-110.0	
Fluoride (F)	10.289		10.00		102.9		90.0-110.0	
Nitrogen, Nitrate as N (NO3-N)	9.4669		10.0		94.7		90.0-110.0	
Sulfate (SO4)	19.493		20.00		97.5		90.0-110.0	
Nitrogen, Nitrite as N (NO2-N)	10.150		10.0		101.5		90.0-110.0	

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	WCS46864A			11/09/2007	2023

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Bromide (Br)	18.552		20.00		92.8		90.0-110.0	
Chloride	19.054		20.00		95.3		90.0-110.0	
Fluoride (F)	10.281		10.00		102.8		90.0-110.0	
Nitrogen, Nitrate as N (NO3-N)	9.4660		10.0		94.7		90.0-110.0	
Sulfate (SO4)	19.487		20.00		97.4		90.0-110.0	
Nitrogen, Nitrite as N (NO2-N)	10.124		10.0		101.2		90.0-110.0	

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	WCS46864A			11/09/2007	2331

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Bromide (Br)	18.561		20.00		92.8		90.0-110.0	
Chloride	19.106		20.00		95.5		90.0-110.0	
Fluoride (F)	10.184		10.00		101.8		90.0-110.0	
Nitrogen, Nitrate as N (NO3-N)	9.4508		10.0		94.5		90.0-110.0	
Sulfate (SO4)	19.458		20.00		97.3		90.0-110.0	
Nitrogen, Nitrite as N (NO2-N)	10.125		10.0		101.2		90.0-110.0	

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	WCS46864A			11/10/2007	0238

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Bromide (Br)	18.535		20.00		92.7		90.0-110.0	
Chloride	19.052		20.00		95.3		90.0-110.0	
Fluoride (F)	9.9544		10.00		99.5		90.0-110.0	
Nitrogen, Nitrate as N (NO3-N)	9.43		10.0		94.3		90.0-110.0	
Sulfate (SO4)	19.400		20.00		97.0		90.0-110.0	
Nitrogen, Nitrite as N (NO2-N)	10.086		10.0		100.9		90.0-110.0	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 344828 — Report Date.: 11/13/2007

CUSTOMER: Conestoga-Rovers and Associates — PROJECT: MARK OWEN 9 — ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	WCS46864A			11/10/2007	0325

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Bromide (Br)	18.663		20.00		93.3		90.0-110.0	
Chloride	19.215		20.00		96.1		90.0-110.0	
Fluoride (F)	10.139		10.00		101.4		90.0-110.0	
Nitrogen, Nitrate as N (NO3-N)	9.46		10.0		94.6		90.0-110.0	
Sulfate (SO4)	19.455		20.00		97.3		90.0-110.0	
Nitrogen, Nitrite as N (NO2-N)	10.144		10.0		101.4		90.0-110.0	

QC Type	Description		Lab ID	Dilution Factor	Date	Time
DU	Method Duplicate		344828-1	10	11/09/2007	2125

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Bromide (Br)	0.1832			0.1790	0.0042		0.6000	
Chloride	32.050			32.068	0.1		20	
Fluoride (F)	0.4174			0.4140	0.0034		0.3000	
Nitrogen, Nitrate as N (NO3-N)	0.1921			0.1885	0.0036		0.2500	
Sulfate (SO4)	8.4231			8.4402	0.2		20	
Nitrogen, Nitrite as N (NO2-N)	0			0	0		0	

QC Type	Description		Lab ID	Dilution Factor	Date	Time
DU	Method Duplicate		345086-1	10	11/10/2007	0223

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Bromide (Br), Water	0			0	0		1	
Chloride, Water	2.8098			2.8492	1.4		20	
Fluoride (F), Water	0			0	0		0	
Nitrogen, Nitrate as N (NO3-N), Water	0			0	0		0	
Sulfate (SO4), Water	1.3199			1.3024	0.0175		0.5000	
Nitrogen, Nitrite as N (NO2-N), Water	0			0	0		0	

QC Type	Description		Lab ID	Dilution Factor	Date	Time
ICB	Initial Calibration Blank				11/09/2007	1438

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Bromide (Br)	0							
Chloride	0							
Fluoride (F)	0							
Nitrogen, Nitrate as N (NO3-N)	0							
Sulfate (SO4)	0							
Nitrogen, Nitrite as N (NO2-N)	0							

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
ICV	Initial Calibration Verification	WCS46864A			11/09/2007	1423

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Bromide (Br)	18.879		20.00		94.4		90.0-110.0	
Chloride	19.455		20.00		97.3		90.0-110.0	
Fluoride (F)	10.308		10.00		103.1		90.0-110.0	
Nitrogen, Nitrate as N (NO3-N)	9.5850		10.0		95.8		90.0-110.0	
Sulfate (SO4)	19.709		20.00		98.5		90.0-110.0	
Nitrogen, Nitrite as N (NO2-N)	10.360		10.0		103.6		90.0-110.0	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 344828 Report Date.: 11/13/2007

CUSTOMER: Conestoga-Rovers and Associates PROJECT: MARK OWEN 9 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	WCS46864A			11/09/2007	1510

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Bromide (Br)	18.713		20.00		93.6		90.0-110.0	
Chloride	19.321		20.00		96.6		90.0-110.0	
Fluoride (F)	10.119		10.00		101.2		90.0-110.0	
Nitrogen, Nitrate as N (NO3-N)	9.6336		10.0		96.3		90.0-110.0	
Sulfate (SO4)	19.552		20.00		97.8		90.0-110.0	
Nitrogen, Nitrite as N (NO2-N)	10.205		10.0		102.0		90.0-110.0	

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank				11/09/2007	1454

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Bromide (Br)	0							
Chloride	0							
Fluoride (F)	0							
Nitrogen, Nitrate as N (NO3-N)	0							
Sulfate (SO4)	0							
Nitrogen, Nitrite as N (NO2-N)	0							

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	WCS47050	344828-1	10	11/09/2007	2141

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Bromide (Br)	9.3823		10.000000	0.1790	92.0		90-110	
Chloride	40.482		10.000000	32.068	84.1		90-110	A
Fluoride (F)	2.2118		2.000000	0.4140	89.9		90-110	A
Nitrogen, Nitrate as N (NO3-N)	1.9422		2.000000	0.1885	87.7		90-110	A
Sulfate (SO4)	18.288		10.000000	8.4402	98.5		90-110	
Nitrogen, Nitrite as N (NO2-N)	1.9549		2.000000	0	97.7		90-110	

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	WCS47050	345086-1	10	11/10/2007	0310

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Bromide (Br), Water	9.4436		10.000000	0	94.4		90-110	
Chloride, Water	12.310		10.000000	2.8492	94.6		90-110	
Fluoride (F), Water	1.8678		2.000000	0	93.4		90-110	
Nitrogen, Nitrate as N (NO3-N), Water	1.8697		2.000000	0	93.5		90-110	
Sulfate (SO4), Water	11.228		10.000000	1.3024	99.3		90-110	
Nitrogen, Nitrite as N (NO2-N), Water	1.8917		2.000000	0	94.6		90-110	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 344828

Report Date.: 11/13/2007

CUSTOMER: Conestoga-Rovers and Associates PROJECT: MARK OWEN 9 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: SW-846 7470A
Method Description.: Mercury (CVAA)

Units.....: ug/L
Batch(s)...: 188634

Analyst...: dcl

CCB	Continuing Calibration Blank				11/07/2007	1346

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Mercury (Hg)	-0.03539552							

CCB	Continuing Calibration Blank				11/07/2007	1403

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Mercury (Hg)	-0.04824262							

CCB	Continuing Calibration Blank				11/07/2007	1422

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Mercury (Hg)	-0.08701711							

CCB	Continuing Calibration Blank				11/07/2007	1441

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Mercury (Hg)	-0.06512589							

CCB	Continuing Calibration Blank				11/07/2007	1500

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Mercury (Hg)	-0.02734587							

CCB	Continuing Calibration Blank				11/07/2007	1506

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Mercury (Hg)	-0.08550538							

CCB	Continuing Calibration Blank				11/07/2007	1512

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Mercury (Hg)	0.0221608858							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 344828 Report Date.: 11/13/2007

CUSTOMER: Conestoga-Rovers and Associates PROJECT: MARK OWEN 9 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	MSHGICV2			11/07/2007	1344

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Mercury (Hg)	2.911261133		3.00		97.0		80.0-120.0	

CCV	Continuing Calibration Verification	MSHGICV2			11/07/2007	1401

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Mercury (Hg)	2.940853013		3.00		98.0		80.0-120.0	

CCV	Continuing Calibration Verification	MSHGICV2			11/07/2007	1420

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Mercury (Hg)	2.877067188		3.00		95.9		80.0-120.0	

CCV	Continuing Calibration Verification	MSHGICV2			11/07/2007	1439

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Mercury (Hg)	2.791906726		3.00		93.1		80.0-120.0	

CCV	Continuing Calibration Verification	MSHGICV2			11/07/2007	1459

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Mercury (Hg)	2.861108644		3.00		95.4		80.0-120.0	

CCV	Continuing Calibration Verification	MSHGICV2			11/07/2007	1504

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Mercury (Hg)	2.878628726		3.00		96.0		80.0-120.0	

CCV	Continuing Calibration Verification	MSHGICV2			11/07/2007	1511

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Mercury (Hg)	2.737669434		3.00		91.3		80.0-120.0	

CRA	Contract Required Detection Limit	MSHGCRA			11/07/2007	1342

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Mercury (Hg)	0.184380497		0.200		92.2		50.0-150.0	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 344828 Report Date.: 11/13/2007

CUSTOMER: Conestoga-Rovers and Associates PROJECT: MARK OWEN 9 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
EB	Extraction Blank		188605		11/07/2007	1408

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Mercury (Hg), Filt.	-0.08536877							

EB	Extraction Blank		188515-1		11/07/2007	1418

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Mercury (Hg), TCLP	-0.02266007							

EB	Extraction Blank		188590-1		11/07/2007	1425

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Mercury (Hg), TCLP	-0.06609139							

ICB	Initial Calibration Blank				11/07/2007	1341

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Mercury (Hg)	-0.00670464							

ICV	Initial Calibration Verification	MSHGICV2			11/07/2007	1339

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Mercury (Hg)	2.795374568		3.00		93.2		90.0-110.0	

LCS	Laboratory Control Sample	MSHGICV2	188605		11/07/2007	1349

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Mercury (Hg), Water	2.969500648		3.00		99.0		80.0-120.0	

MD	Method Duplicate		344828-1		11/07/2007	1353

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Mercury (Hg), Water	-0.08824776	-0.06512031		-0.06512031	0.02312745		0.20000000	

MD	Method Duplicate		344750-3		11/07/2007	1412

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Mercury (Hg), TCLP	0.555541723	0.4665200839		0.4665200839	0.0890216391		0.20000000	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 344828 Report Date.: 11/13/2007

CUSTOMER: Conestoga-Rovers and Associates PROJECT: MARK OWEN 9 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MD	Method Duplicate		344838-1		11/07/2007	1444

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Mercury (Hg), TCLP	0.1355059938	0.129205229		0.129205229	0.0063007648		0.20000000	

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	MSHGICV2	344828-1		11/07/2007	1354

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Mercury (Hg), Water	2.704370824		3.00	-0.06512031	92.3		75-125	

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	MSHGICV2	344750-3		11/07/2007	1413

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Mercury (Hg), TCLP	3.264266993		3.00	0.4665200839	93.3		75-125	

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	MSHGICV2	344838-1		11/07/2007	1446

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Mercury (Hg), TCLP	3.010017451		3.00	0.129205229	96.0		75-125	

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	MSHGICV2	344828-1		11/07/2007	1356

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Mercury (Hg), Water	2.727702165	2.704370824	3.00	-0.06512031	93.1		75-125	
					0.9		20	

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	MSHGICV2	344750-3		11/07/2007	1416

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Mercury (Hg), TCLP	3.186978645	3.264266993	3.00	0.4665200839	90.7		75-125	
					2.8		20	

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	MSHGICV2	344838-1		11/07/2007	1449

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Mercury (Hg), TCLP	3.020331241	3.010017451	3.00	0.129205229	96.4		75-125	
					0.4		20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 344828

Report Date.: 11/13/2007

CUSTOMER: Conestoga-Rovers and Associates PROJECT: MARK OWEN 9 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
PB	Prep. Blank		188605		11/07/2007	1348

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Mercury (Hg), Water	-0.03963533							

PDS	Post Digestion Spike	MSHGICV2	344838-1		11/07/2007	1456

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Mercury (Hg), TCLP	3.696044131		3.00	0.129205229	118.9		75-125	

S0	Calibration Blank				11/07/2007	1325

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Mercury (Hg)	0							

S0.2	Calibration Standard				11/07/2007	1327

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Mercury (Hg)	0							

S0.5	Calibration Standard				11/07/2007	1329

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Mercury (Hg)	0							

S1.0	Calibration Standard				11/07/2007	1330

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Mercury (Hg)	0							

S10.0	Calibration Standard				11/07/2007	1336

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Mercury (Hg)	0							

S2.0	Calibration Standard				11/07/2007	1332

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Mercury (Hg)	0							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 344828 Report Date.: 11/13/2007

CUSTOMER: Conestoga-Rovers and Associates PROJECT: MARK OWEN 9 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
S5.0	Calibration Standard				11/07/2007	1334

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Mercury (Hg)	0							

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
SD	Serial Dilution		344838-1	5	11/07/2007	1502

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Mercury (Hg), TCLP	-0.00184564			0.129205229	107.1			

Test Method.....: SW-846 6010B Units.....: mg/L Analyst...: twr
Method Description.: Metals Analysis (ICAP Trace) Batch(s)...: 188959 188973

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank				11/13/2007	0833

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As)	0.00154							
Barium (Ba)	-0.00006							
Cadmium (Cd)	-0.00024							
Chromium (Cr)	-0.00000							
Lead (Pb)	-0.00067							
Selenium (Se)	0.00293							
Silver (Ag)	-0.00057							

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank				11/13/2007	0953

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As)	0.00155							
Barium (Ba)	-0.00000							
Cadmium (Cd)	-0.00013							
Chromium (Cr)	-0.00030							
Lead (Pb)	-0.00068							
Selenium (Se)	0.00163							
Silver (Ag)	-0.00062							

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank				11/13/2007	1042

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As)	0.00011							
Barium (Ba)	0.00005							
Cadmium (Cd)	-0.00016							
Chromium (Cr)	-0.00001							
Lead (Pb)	-0.00038							
Selenium (Se)	0.00263							
Silver (Ag)	-0.00035							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 344828

Report Date.: 11/13/2007

CUSTOMER: Conestoga-Rovers and Associates PROJECT: MARK OWEN 9 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank				11/13/2007	1126

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As)	0.00154							
Barium (Ba)	0.00004							
Cadmium (Cd)	0.00005							
Chromium (Cr)	0.00001							
Lead (Pb)	-0.00044							
Selenium (Se)	0.00214							
Silver (Ag)	0.00039							

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank				11/13/2007	1207

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As)	0.00176							
Barium (Ba)	-0.00008							
Cadmium (Cd)	-0.00017							
Chromium (Cr)	-0.00039							
Lead (Pb)	-0.00064							
Selenium (Se)	0.00256							
Silver (Ag)	-0.00061							

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	MS110807CC			11/13/2007	0829

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As)	0.50529		0.500		101.1		90.0-110.0	
Barium (Ba)	0.49593		0.500		99.2		90.0-110.0	
Cadmium (Cd)	0.51014		0.500		102.0		90.0-110.0	
Chromium (Cr)	0.50282		0.500		100.6		90.0-110.0	
Lead (Pb)	0.50301		0.500		100.6		90.0-110.0	
Selenium (Se)	0.50490		0.500		101.0		90.0-110.0	
Silver (Ag)	0.24627		0.25		98.5		90.0-110.0	

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	MS110807CC			11/13/2007	0950

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As)	0.50593		0.500		101.2		90.0-110.0	
Barium (Ba)	0.49774		0.500		99.5		90.0-110.0	
Cadmium (Cd)	0.51526		0.500		103.1		90.0-110.0	
Chromium (Cr)	0.49994		0.500		100.0		90.0-110.0	
Lead (Pb)	0.50268		0.500		100.5		90.0-110.0	
Selenium (Se)	0.49887		0.500		99.8		90.0-110.0	
Silver (Ag)	0.24634		0.25		98.5		90.0-110.0	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 344828

Report Date.: 11/13/2007

CUSTOMER: Conestoga-Rovers and Associates PROJECT: MARK OWEN 9 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	MS110807CC			11/13/2007	1039

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As)	0.50778		0.500		101.6		90.0-110.0	
Barium (Ba)	0.50220		0.500		100.4		90.0-110.0	
Cadmium (Cd)	0.51733		0.500		103.5		90.0-110.0	
Chromium (Cr)	0.49903		0.500		99.8		90.0-110.0	
Lead (Pb)	0.50089		0.500		100.2		90.0-110.0	
Selenium (Se)	0.49936		0.500		99.9		90.0-110.0	
Silver (Ag)	0.24760		0.25		99.0		90.0-110.0	

CCV	Continuing Calibration Verification	MS110807CC			11/13/2007	1123

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As)	0.51016		0.500		102.0		90.0-110.0	
Barium (Ba)	0.50246		0.500		100.5		90.0-110.0	
Cadmium (Cd)	0.52485		0.500		105.0		90.0-110.0	
Chromium (Cr)	0.50048		0.500		100.1		90.0-110.0	
Lead (Pb)	0.50305		0.500		100.6		90.0-110.0	
Selenium (Se)	0.49676		0.500		99.4		90.0-110.0	
Silver (Ag)	0.24735		0.25		98.9		90.0-110.0	

CCV	Continuing Calibration Verification	MS110807CC			11/13/2007	1203

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As)	0.50336		0.500		100.7		90.0-110.0	
Barium (Ba)	0.50219		0.500		100.4		90.0-110.0	
Cadmium (Cd)	0.51945		0.500		103.9		90.0-110.0	
Chromium (Cr)	0.49517		0.500		99.0		90.0-110.0	
Lead (Pb)	0.49741		0.500		99.5		90.0-110.0	
Selenium (Se)	0.49505		0.500		99.0		90.0-110.0	
Silver (Ag)	0.24551		0.25		98.2		90.0-110.0	

CH1	Calibration check standard 1	MS10310711			11/13/2007	0818

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As)	0.01083		0.0100		108.3		50.0-150.0	
Barium (Ba)	0.00987		0.0100		98.7		50.0-150.0	
Cadmium (Cd)	0.00497		0.00500		99.4		50.0-150.0	
Chromium (Cr)	0.01030		0.0100		103.0		50.0-150.0	
Lead (Pb)	0.00831		0.0100		83.1		50.0-150.0	
Selenium (Se)	0.01076		0.0100		107.6		50.0-150.0	
Silver (Ag)	0.00462		0.00500		92.4		50.0-150.0	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 344828 Report Date.: 11/13/2007

CUSTOMER: Conestoga-Rovers and Associates PROJECT: MARK OWEN 9 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CH3	Standard check for ICAP	MS11020713			11/13/2007	0807

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As)	2.00863		2.00		100.4		95.0-105.0	
Barium (Ba)	2.01578		2.00		100.8		95.0-105.0	
Cadmium (Cd)	1.00818		1.00		100.8		95.0-105.0	
Chromium (Cr)	2.01166		2.00		100.6		95.0-105.0	
Lead (Pb)	2.01005		2.00		100.5		95.0-105.0	
Selenium (Se)	2.02298		2.00		101.1		95.0-105.0	
Silver (Ag)	1.00213		1.00		100.2		95.0-105.0	

ICB	Initial Calibration Blank				11/13/2007	0815

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As)	0.00164							
Barium (Ba)	-0.00013							
Cadmium (Cd)	-0.00012							
Chromium (Cr)	-0.00059							
Lead (Pb)	-0.00089							
Selenium (Se)	0.00480							
Silver (Ag)	-0.00037							

ICV	Initial Calibration Verification	MS11D807CC			11/13/2007	0811

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As)	0.50313		0.500		100.6		90.0-110.0	
Barium (Ba)	0.49773		0.500		99.5		90.0-110.0	
Cadmium (Cd)	0.50517		0.500		101.0		90.0-110.0	
Chromium (Cr)	0.50206		0.500		100.4		90.0-110.0	
Lead (Pb)	0.49954		0.500		99.9		90.0-110.0	
Selenium (Se)	0.50809		0.500		101.6		90.0-110.0	
Silver (Ag)	0.24708		0.25		98.8		90.0-110.0	

ISA	Interference Check Sample A	MS1102071A			11/13/2007	0822

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As)	-0.00372		0.0					
Barium (Ba)	0.00113		0.0					
Cadmium (Cd)	-0.00279		0.0					
Chromium (Cr)	0.00115		0.0					
Lead (Pb)	-0.01050		0.0					
Selenium (Se)	0.01681		0.0					
Silver (Ag)	-0.00110		0.0					

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 344828 Report Date.: 11/13/2007

CUSTOMER: Conestoga-Rovers and Associates PROJECT: MARK OWEN 9 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
ISB	Interference Check Sample B	MS110207IB			11/13/2007	0826

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As)	1.04857		1.00		104.9		80.0-120.0	
Barium (Ba)	1.04889		1.00		104.9		80.0-120.0	
Cadmium (Cd)	0.48521		0.500		97.0		80.0-120.0	
Chromium (Cr)	0.99859		1.00		99.9		80.0-120.0	
Lead (Pb)	0.98769		1.00		98.8		80.0-120.0	
Selenium (Se)	1.05744		1.00		105.7		80.0-120.0	
Silver (Ag)	0.54959		0.500		109.9		80.0-120.0	

LCS	Laboratory Control Sample	MSPIKE3	188939		11/13/2007	1006

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As), Water	1.09357		1.00		109.4		80.0-120.0	
Barium (Ba), Water	1.08677		1.00		108.7		80.0-120.0	
Cadmium (Cd), Water	0.55362		0.500		110.7		80.0-120.0	
Chromium (Cr), Water	1.08249		1.00		108.2		80.0-120.0	
Lead (Pb), Water	1.08250		1.00		108.2		80.0-120.0	
Selenium (Se), Water	1.07283		1.00		107.3		80.0-120.0	
Silver (Ag), Water	0.53627		0.500		107.3		80.0-120.0	

MD	Method Duplicate		344647-4		11/13/2007	1024

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As), Water	0.00075	0.00058		0.00058	0.00017		0.02000	
Barium (Ba), Water	0.06649	0.06869		0.06869	0.00220		0.02000	
Cadmium (Cd), Water	-0.00013	-0.00007		-0.00007	0.00006		0.00500	
Chromium (Cr), Water	-0.00019	-0.00022		-0.00022	0.00003		0.01000	
Lead (Pb), Water	-0.00071	-0.00105		-0.00105	0.00034		0.01000	
Selenium (Se), Water	0.00153	0.00193		0.00193	0.00040		0.04000	
Silver (Ag), Water	-0.00054	-0.00107		-0.00107	0.00053		0.01000	

MD	Method Duplicate		344647-16		11/13/2007	1119

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As), Water	0.00166	0.00119		0.00119	0.00047		0.02000	
Barium (Ba), Water	0.03933	0.04049		0.04049	0.00116		0.02000	
Cadmium (Cd), Water	0.00007	-0.00012		-0.00012	0.00019		0.00500	
Chromium (Cr), Water	-0.00020	-0.00080		-0.00080	0.00060		0.01000	
Lead (Pb), Water	-0.00076	-0.00093		-0.00093	0.00017		0.01000	
Selenium (Se), Water	0.00033	0.00093		0.00093	0.00060		0.04000	
Silver (Ag), Water	0.00049	-0.00087		-0.00087	0.00136		0.01000	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 344828 Report Date.: 11/13/2007

CUSTOMER: Conestoga-Rovers and Associates PROJECT: MARK OWEN 9 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	MSPIKEW	344647-4		11/13/2007	1028

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As), Water	1.06882		1.00	0.00058	106.8		75-125	
Barium (Ba), Water	1.08566		1.00	0.06869	101.7		75-125	
Cadmium (Cd), Water	0.50516		0.500	-0.00007	101.0		75-125	
Chromium (Cr), Water	1.00155		1.00	-0.00022	100.2		75-125	
Lead (Pb), Water	1.01068		1.00	-0.00105	101.2		75-125	
Selenium (Se), Water	1.04418		1.00	0.00193	104.2		75-125	
Silver (Ag), Water	0.50804		0.500	-0.00107	101.8		75-125	

MS	Matrix Spike	MSPIKEW	344647-16		11/13/2007	1130

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As), Water	1.11244		1.00	0.00119	111.1		75-125	
Barium (Ba), Water	1.10126		1.00	0.04049	106.1		75-125	
Cadmium (Cd), Water	0.53576		0.500	-0.00012	107.2		75-125	
Chromium (Cr), Water	1.04622		1.00	-0.00080	104.7		75-125	
Lead (Pb), Water	1.05694		1.00	-0.00093	105.8		75-125	
Selenium (Se), Water	1.08218		1.00	0.00093	108.1		75-125	
Silver (Ag), Water	0.46418		0.500	-0.00087	93.0		75-125	

MSD	Matrix Spike Duplicate	MSPIKEW	344647-4		11/13/2007	1031

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As), Water	0.99975	1.06882	1.00	0.00058	99.9		75-125	
					6.7		20	
Barium (Ba), Water	1.02533	1.08566	1.00	0.06869	95.7		75-125	
					6.1		20	
Cadmium (Cd), Water	0.47238	0.50516	0.500	-0.00007	94.5		75-125	
					6.6		20	
Chromium (Cr), Water	0.93752	1.00155	1.00	-0.00022	93.8		75-125	
					6.6		20	
Lead (Pb), Water	0.94681	1.01068	1.00	-0.00105	94.8		75-125	
					6.5		20	
Selenium (Se), Water	0.98003	1.04418	1.00	0.00193	97.8		75-125	
					6.3		20	
Silver (Ag), Water	0.48128	0.50804	0.500	-0.00107	96.5		75-125	
					5.3		20	

MSD	Matrix Spike Duplicate	MSPIKEW	344647-16		11/13/2007	1134

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As), Water	1.05444	1.11244	1.00	0.00119	105.3		75-125	
					5.4		20	
Barium (Ba), Water	1.04396	1.10126	1.00	0.04049	100.3		75-125	
					5.6		20	
Cadmium (Cd), Water	0.50757	0.53576	0.500	-0.00012	101.5		75-125	
					5.5		20	
Chromium (Cr), Water	0.99290	1.04622	1.00	-0.00080	99.4		75-125	
					5.2		20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 344828 Report Date.: 11/13/2007

CUSTOMER: Conestoga-Rovers and Associates PROJECT: MARK OWEN 9 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	MSPIKEW	344647-16		11/13/2007	1134

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Lead (Pb), Water	1.00565	1.05694	1.00	-0.00093	100.7		75-125	
					4.9		20	
Selenium (Se), Water	1.02978	1.08218	1.00	0.00093	102.9		75-125	
					4.9		20	
Silver (Ag), Water	0.46430	0.46418	0.500	-0.00087	93.0		75-125	
					0.0		20	

PB	Prep. Blank		188939		11/13/2007	1002

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As), Water	0.00012							
Barium (Ba), Water	-0.00001							
Cadmium (Cd), Water	-0.00019							
Chromium (Cr), Water	-0.00027							
Lead (Pb), Water	-0.00079							
Selenium (Se), Water	-0.00073							
Silver (Ag), Water	-0.00068							

PDS	Post Digestion Spike	MSPIKE3	344647-4		11/13/2007	1156

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As), Water	1.04019		1.00	0.00058	104.0		75-125	
Barium (Ba), Water	1.07851		1.00	0.06869	101.0		75-125	
Cadmium (Cd), Water	0.49810		0.500	-0.00007	99.6		75-125	
Chromium (Cr), Water	0.97225		1.00	-0.00022	97.2		75-125	
Lead (Pb), Water	0.98475		1.00	-0.00105	98.6		75-125	
Selenium (Se), Water	1.02137		1.00	0.00193	101.9		75-125	
Silver (Ag), Water	0.51241		0.500	-0.00107	102.7		75-125	

SO	Calibration Blank				11/13/2007	0758

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As)	-0.00082							
Barium (Ba)	0.00055							
Cadmium (Cd)	0.00237							
Chromium (Cr)	0.00065							
Silver (Ag)	-0.00005							

SD	Serial Dilution		344647-4	5	11/13/2007	1159

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As), Water	0.00162			0.00058				
Barium (Ba), Water	0.01386			0.06869	0.9			
Cadmium (Cd), Water	-0.00014			-0.00007				
Chromium (Cr), Water	-0.00027			-0.00022				
Lead (Pb), Water	-0.00055			-0.00105				

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 344828 Report Date.: 11/13/2007

CUSTOMER: Conestoga-Rovers and Associates PROJECT: MARK OWEN 9 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
SD	Serial Dilution		344647-4	5	11/13/2007	1159

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Selenium (Se), Water	0.00029			0.00193				
Silver (Ag), Water	-0.00003			-0.00107				

STD	Spiked Blank Duplicate				11/13/2007	0801

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As)	1.24715							
Barium (Ba)	11.51546							
Cadmium (Cd)	11.97110							
Chromium (Cr)	1.92273							
Silver (Ag)	0.66508							

CCB	Continuing Calibration Blank				11/13/2007	0833

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As)	0.00154							
Barium (Ba)	-0.00006							
Cadmium (Cd)	-0.00024							
Chromium (Cr)	-0.00000							
Lead (Pb)	-0.00067							
Selenium (Se)	0.00293							
Silver (Ag)	-0.00057							

CCB	Continuing Calibration Blank				11/13/2007	0953

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As)	0.00155							
Barium (Ba)	-0.00000							
Cadmium (Cd)	-0.00013							
Chromium (Cr)	-0.00030							
Lead (Pb)	-0.00068							
Selenium (Se)	0.00163							
Silver (Ag)	-0.00062							

CCB	Continuing Calibration Blank				11/13/2007	1042

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As)	0.00011							
Barium (Ba)	0.00005							
Cadmium (Cd)	-0.00016							
Chromium (Cr)	-0.00001							
Lead (Pb)	-0.00038							
Selenium (Se)	0.00263							
Silver (Ag)	-0.00035							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 344828 Report Date.: 11/13/2007

CUSTOMER: Conestoga-Rovers and Associates PROJECT: MARK OWEN 9 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank				11/13/2007	1126

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As)	0.00154							
Barium (Ba)	0.00004							
Cadmium (Cd)	0.00005							
Chromium (Cr)	0.00001							
Lead (Pb)	-0.00044							
Selenium (Se)	0.00214							
Silver (Ag)	0.00039							

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank				11/13/2007	1207

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As)	0.00176							
Barium (Ba)	-0.00008							
Cadmium (Cd)	-0.00017							
Chromium (Cr)	-0.00039							
Lead (Pb)	-0.00064							
Selenium (Se)	0.00256							
Silver (Ag)	-0.00061							

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank				11/13/2007	1432

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As)	0.00237							
Barium (Ba)	0.00013							
Cadmium (Cd)	0.00008							
Chromium (Cr)	0.00050							
Lead (Pb)	-0.00109							
Selenium (Se)	0.00334							
Silver (Ag)	0.00124							

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank				11/13/2007	1454

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As)	0.00070							
Barium (Ba)	-0.00005							
Cadmium (Cd)	-0.00005							
Chromium (Cr)	-0.00042							
Lead (Pb)	-0.00112							
Selenium (Se)	0.00411							
Silver (Ag)	0.00051							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 344828

Report Date.: 11/13/2007

CUSTOMER: Conestoga-Rovers and Associates PROJECT: MARK OWEN 9 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	MS110807CC			11/13/2007	0829

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As)	0.50529		0.500		101.1		90.0-110.0	
Barium (Ba)	0.49593		0.500		99.2		90.0-110.0	
Cadmium (Cd)	0.51014		0.500		102.0		90.0-110.0	
Chromium (Cr)	0.50282		0.500		100.6		90.0-110.0	
Lead (Pb)	0.50301		0.500		100.6		90.0-110.0	
Selenium (Se)	0.50490		0.500		101.0		90.0-110.0	
Silver (Ag)	0.24627		0.25		98.5		90.0-110.0	

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	MS110807CC			11/13/2007	0950

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As)	0.50593		0.500		101.2		90.0-110.0	
Barium (Ba)	0.49774		0.500		99.5		90.0-110.0	
Cadmium (Cd)	0.51526		0.500		103.1		90.0-110.0	
Chromium (Cr)	0.49994		0.500		100.0		90.0-110.0	
Lead (Pb)	0.50268		0.500		100.5		90.0-110.0	
Selenium (Se)	0.49887		0.500		99.8		90.0-110.0	
Silver (Ag)	0.24634		0.25		98.5		90.0-110.0	

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	MS110807CC			11/13/2007	1039

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As)	0.50778		0.500		101.6		90.0-110.0	
Barium (Ba)	0.50220		0.500		100.4		90.0-110.0	
Cadmium (Cd)	0.51733		0.500		103.5		90.0-110.0	
Chromium (Cr)	0.49903		0.500		99.8		90.0-110.0	
Lead (Pb)	0.50089		0.500		100.2		90.0-110.0	
Selenium (Se)	0.49936		0.500		99.9		90.0-110.0	
Silver (Ag)	0.24760		0.25		99.0		90.0-110.0	

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	MS110807CC			11/13/2007	1123

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As)	0.51016		0.500		102.0		90.0-110.0	
Barium (Ba)	0.50246		0.500		100.5		90.0-110.0	
Cadmium (Cd)	0.52485		0.500		105.0		90.0-110.0	
Chromium (Cr)	0.50048		0.500		100.1		90.0-110.0	
Lead (Pb)	0.50305		0.500		100.6		90.0-110.0	
Selenium (Se)	0.49676		0.500		99.4		90.0-110.0	
Silver (Ag)	0.24735		0.25		98.9		90.0-110.0	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 344828 Report Date.: 11/13/2007

CUSTOMER: Conestoga-Rovers and Associates PROJECT: MARK OWEN 9 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	MS110807CC			11/13/2007	1203

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As)	0.50336		0.500		100.7		90.0-110.0	
Barium (Ba)	0.50219		0.500		100.4		90.0-110.0	
Cadmium (Cd)	0.51945		0.500		103.9		90.0-110.0	
Chromium (Cr)	0.49517		0.500		99.0		90.0-110.0	
Lead (Pb)	0.49741		0.500		99.5		90.0-110.0	
Selenium (Se)	0.49505		0.500		99.0		90.0-110.0	
Silver (Ag)	0.24551		0.25		98.2		90.0-110.0	

CCV	Continuing Calibration Verification	MS110807CC			11/13/2007	1428

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As)	0.48839		0.500		97.7		90.0-110.0	
Barium (Ba)	0.48731		0.500		97.5		90.0-110.0	
Cadmium (Cd)	0.50272		0.500		100.5		90.0-110.0	
Chromium (Cr)	0.47824		0.500		95.6		90.0-110.0	
Lead (Pb)	0.48083		0.500		96.2		90.0-110.0	
Selenium (Se)	0.48355		0.500		96.7		90.0-110.0	
Silver (Ag)	0.23900		0.25		95.6		90.0-110.0	

CCV	Continuing Calibration Verification	MS110807CC			11/13/2007	1450

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As)	0.48664		0.500		97.3		90.0-110.0	
Barium (Ba)	0.48908		0.500		97.8		90.0-110.0	
Cadmium (Cd)	0.50222		0.500		100.4		90.0-110.0	
Chromium (Cr)	0.47818		0.500		95.6		90.0-110.0	
Lead (Pb)	0.48126		0.500		96.3		90.0-110.0	
Selenium (Se)	0.48115		0.500		96.2		90.0-110.0	
Silver (Ag)	0.23895		0.25		95.6		90.0-110.0	

CH1	Calibration check standard 1	MS103107T1			11/13/2007	0818

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As)	0.01083		0.0100		108.3		50.0-150.0	
Barium (Ba)	0.00987		0.0100		98.7		50.0-150.0	
Cadmium (Cd)	0.00497		0.00500		99.4		50.0-150.0	
Chromium (Cr)	0.01030		0.0100		103.0		50.0-150.0	
Lead (Pb)	0.00831		0.0100		83.1		50.0-150.0	
Selenium (Se)	0.01076		0.0100		107.6		50.0-150.0	
Silver (Ag)	0.00462		0.00500		92.4		50.0-150.0	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 344828

Report Date.: 11/13/2007

CUSTOMER: Conestoga-Rovers and Associates PROJECT: MARK OWEN 9 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CH3	Standard check for ICAP	MS110207T3			11/13/2007	0807

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As)	2.00863		2.00		100.4		95.0-105.0	
Barium (Ba)	2.01578		2.00		100.8		95.0-105.0	
Cadmium (Cd)	1.00818		1.00		100.8		95.0-105.0	
Chromium (Cr)	2.01166		2.00		100.6		95.0-105.0	
Lead (Pb)	2.01005		2.00		100.5		95.0-105.0	
Selenium (Se)	2.02298		2.00		101.1		95.0-105.0	
Silver (Ag)	1.00213		1.00		100.2		95.0-105.0	

ICB	Initial Calibration Blank				11/13/2007	0815

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As)	0.00164							
Barium (Ba)	-0.00013							
Cadmium (Cd)	-0.00012							
Chromium (Cr)	-0.00059							
Lead (Pb)	-0.00089							
Selenium (Se)	0.00480							
Silver (Ag)	-0.00037							

ICV	Initial Calibration Verification	MS110807CC			11/13/2007	0811

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As)	0.50313		0.500		100.6		90.0-110.0	
Barium (Ba)	0.49773		0.500		99.5		90.0-110.0	
Cadmium (Cd)	0.50517		0.500		101.0		90.0-110.0	
Chromium (Cr)	0.50206		0.500		100.4		90.0-110.0	
Lead (Pb)	0.49954		0.500		99.9		90.0-110.0	
Selenium (Se)	0.50809		0.500		101.6		90.0-110.0	
Silver (Ag)	0.24708		0.25		98.8		90.0-110.0	

ISA	Interference Check Sample A	MS110207IA			11/13/2007	0822

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As)	-0.00372		0.0					
Barium (Ba)	0.00113		0.0					
Cadmium (Cd)	-0.00279		0.0					
Chromium (Cr)	0.00115		0.0					
Lead (Pb)	-0.01050		0.0					
Selenium (Se)	0.01681		0.0					
Silver (Ag)	-0.00110		0.0					

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 344828 Report Date.: 11/13/2007

CUSTOMER: Conestoga-Rovers and Associates PROJECT: MARK OWEN 9 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
ISB	Interference Check Sample B	MS110207IB			11/13/2007	0826

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As)	1.04857		1.00		104.9		80.0-120.0	
Barium (Ba)	1.04889		1.00		104.9		80.0-120.0	
Cadmium (Cd)	0.48521		0.500		97.0		80.0-120.0	
Chromium (Cr)	0.99859		1.00		99.9		80.0-120.0	
Lead (Pb)	0.98769		1.00		98.8		80.0-120.0	
Selenium (Se)	1.05744		1.00		105.7		80.0-120.0	
Silver (Ag)	0.54959		0.500		109.9		80.0-120.0	

LCS	Laboratory Control Sample	MSPIKE3	188939		11/13/2007	1006

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As), Water	1.09357		1.00		109.4		80.0-120.0	
Barium (Ba), Water	1.08677		1.00		108.7		80.0-120.0	
Cadmium (Cd), Water	0.55362		0.500		110.7		80.0-120.0	
Chromium (Cr), Water	1.08249		1.00		108.2		80.0-120.0	
Lead (Pb), Water	1.08250		1.00		108.2		80.0-120.0	
Selenium (Se), Water	1.07283		1.00		107.3		80.0-120.0	
Silver (Ag), Water	0.53627		0.500		107.3		80.0-120.0	

MD	Method Duplicate		344647-4		11/13/2007	1024

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As), Water	0.00075	0.00058		0.00058	0.00017		0.02000	
Barium (Ba), Water	0.06649	0.06869		0.06869	0.00220		0.02000	
Cadmium (Cd), Water	-0.00013	-0.00007		-0.00007	0.00006		0.00500	
Chromium (Cr), Water	-0.00019	-0.00022		-0.00022	0.00003		0.01000	
Lead (Pb), Water	-0.00071	-0.00105		-0.00105	0.00034		0.01000	
Selenium (Se), Water	0.00153	0.00193		0.00193	0.00040		0.04000	
Silver (Ag), Water	-0.00054	-0.00107		-0.00107	0.00053		0.01000	

MD	Method Duplicate		344647-16		11/13/2007	1119

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As), Water	0.00166	0.00119		0.00119	0.00047		0.02000	
Barium (Ba), Water	0.03933	0.04049		0.04049	0.00116		0.02000	
Cadmium (Cd), Water	0.00007	-0.00012		-0.00012	0.00019		0.00500	
Chromium (Cr), Water	-0.00020	-0.00080		-0.00080	0.00060		0.01000	
Lead (Pb), Water	-0.00076	-0.00093		-0.00093	0.00017		0.01000	
Selenium (Se), Water	0.00033	0.00093		0.00093	0.00060		0.04000	
Silver (Ag), Water	0.00049	-0.00087		-0.00087	0.00136		0.01000	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 344828

Report Date.: 11/13/2007

CUSTOMER: Conestoga-Rovers and Associates PROJECT: MARK OWEN 9 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	MSPIKEW	344647-4		11/13/2007	1028

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As), Water	1.06882		1.00	0.00058	106.8		75-125	
Barium (Ba), Water	1.08566		1.00	0.06869	101.7		75-125	
Cadmium (Cd), Water	0.50516		0.500	-0.00007	101.0		75-125	
Chromium (Cr), Water	1.00155		1.00	-0.00022	100.2		75-125	
Lead (Pb), Water	1.01068		1.00	-0.00105	101.2		75-125	
Selenium (Se), Water	1.04418		1.00	0.00193	104.2		75-125	
Silver (Ag), Water	0.50804		0.500	-0.00107	101.8		75-125	

MS	Matrix Spike	MSPIKEW	344647-16		11/13/2007	1130

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As), Water	1.11244		1.00	0.00119	111.1		75-125	
Barium (Ba), Water	1.10126		1.00	0.04049	106.1		75-125	
Cadmium (Cd), Water	0.53576		0.500	-0.00012	107.2		75-125	
Chromium (Cr), Water	1.04622		1.00	-0.00080	104.7		75-125	
Lead (Pb), Water	1.05694		1.00	-0.00093	105.8		75-125	
Selenium (Se), Water	1.08218		1.00	0.00093	108.1		75-125	
Silver (Ag), Water	0.46418		0.500	-0.00087	93.0		75-125	

MSD	Matrix Spike Duplicate	MSPIKEW	344647-4		11/13/2007	1031

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As), Water	0.99975	1.06882	1.00	0.00058	99.9		75-125	
					6.7		20	
Barium (Ba), Water	1.02533	1.08566	1.00	0.06869	95.7		75-125	
					6.1		20	
Cadmium (Cd), Water	0.47238	0.50516	0.500	-0.00007	94.5		75-125	
					6.6		20	
Chromium (Cr), Water	0.93752	1.00155	1.00	-0.00022	93.8		75-125	
					6.6		20	
Lead (Pb), Water	0.94681	1.01068	1.00	-0.00105	94.8		75-125	
					6.5		20	
Selenium (Se), Water	0.98003	1.04418	1.00	0.00193	97.8		75-125	
					6.3		20	
Silver (Ag), Water	0.48128	0.50804	0.500	-0.00107	96.5		75-125	
					5.3		20	

MSD	Matrix Spike Duplicate	MSPIKEW	344647-16		11/13/2007	1134

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As), Water	1.05444	1.11244	1.00	0.00119	105.3		75-125	
					5.4		20	
Barium (Ba), Water	1.04396	1.10126	1.00	0.04049	100.3		75-125	
					5.6		20	
Cadmium (Cd), Water	0.50757	0.53576	0.500	-0.00012	101.5		75-125	
					5.5		20	
Chromium (Cr), Water	0.99290	1.04622	1.00	-0.00080	99.4		75-125	
					5.2		20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 344828 Report Date.: 11/13/2007

CUSTOMER: Conestoga-Rovers and Associates PROJECT: MARK OWEN 9 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	MSPIKEW	344647-16		11/13/2007	1134

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Lead (Pb), Water	1.00565	1.05694	1.00	-0.00093	100.7		75-125	
					4.9		20	
Selenium (Se), Water	1.02978	1.08218	1.00	0.00093	102.9		75-125	
					4.9		20	
Silver (Ag), Water	0.46430	0.46418	0.500	-0.00087	93.0		75-125	
					0.0		20	

PB	Prep. Blank		188939		11/13/2007	1002

Parameter/Test Description	QC Result
Arsenic (As), Water	0.00012
Barium (Ba), Water	-0.00001
Cadmium (Cd), Water	-0.00019
Chromium (Cr), Water	-0.00027
Lead (Pb), Water	-0.00079
Selenium (Se), Water	-0.00073
Silver (Ag), Water	-0.00068

PDS	Post Digestion Spike	MSPIKE3	344647-4		11/13/2007	1156

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As), Water	1.04019		1.00	0.00058	104.0		75-125	
Barium (Ba), Water	1.07851		1.00	0.06869	101.0		75-125	
Cadmium (Cd), Water	0.49810		0.500	-0.00007	99.6		75-125	
Chromium (Cr), Water	0.97225		1.00	-0.00022	97.2		75-125	
Lead (Pb), Water	0.98475		1.00	-0.00105	98.6		75-125	
Selenium (Se), Water	1.02137		1.00	0.00193	101.9		75-125	
Silver (Ag), Water	0.51241		0.500	-0.00107	102.7		75-125	

SO	Calibration Blank				11/13/2007	0758

Parameter/Test Description	QC Result
Arsenic (As)	-0.00082
Barium (Ba)	0.00055
Cadmium (Cd)	0.00237
Chromium (Cr)	0.00065
Silver (Ag)	-0.00005

SD	Serial Dilution		344647-4	5	11/13/2007	1159

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As), Water	0.00162			0.00058				
Barium (Ba), Water	0.01386			0.06869	0.9			
Cadmium (Cd), Water	-0.00014			-0.00007				
Chromium (Cr), Water	-0.00027			-0.00022				
Lead (Pb), Water	-0.00055			-0.00105				

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 344828 — Report Date.: 11/13/2007

CUSTOMER: Conestoga-Rovers and Associates — PROJECT: MARK OWEN 9 — ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
SD	Serial Dilution		344647-4	5	11/13/2007	1159

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Selenium (Se), Water	0.00029			0.00193				
Silver (Ag), Water	-0.00003			-0.00107				

STD	Spiked Blank Duplicate				11/13/2007	0801

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
Arsenic (As)	1.24715							
Barium (Ba)	11.51546							
Cadmium (Cd)	11.97110							
Chromium (Cr)	1.92273							
Silver (Ag)	0.66508							

Test Method.....: SW-846 8015B — Units.....: mg/L — Analyst...: jps
Method Description.: Total Extractable Petroleum Hydrocarbons Batch(s)...: 188669

LCD	Laboratory Control Sample Duplicate	GC101207	188454		11/05/2007	1736

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
TEPH - as Diesel, Water	1020.47	931.31	1000.000000	ND	102.0		69-118	
					9.1		20	

LCS	Laboratory Control Sample	GC101207	188454		11/05/2007	1652

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
TEPH - as Diesel, Water	931.31		1000.000000	ND	93.1		69-118	

MB	Method Blank	GC091507	188454		11/05/2007	1609

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F
TEPH - as Diesel, Water	ND							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

SURROGATE RECOVERIES REPORT

Job Number.: 344828

Report Date.: 11/13/2007

CUSTOMER: Conestoga-Rovers and Associates PROJECT: MARK OWEN 9 ATTN: Arthur Greeley

Method.....: Total Extractable Petroleum Hydrocarbons Method Code...: 8015D Prep Batch....: 188454
Batch(s).....: 188669 Test Matrix...: Water Equipment Code: EXTGC00

Lab ID	DT	Sample ID	Date	OTERPH
344828- 1		MW1	11/05/2007	116
344828- 2		MW2	11/05/2007	103
344828- 3		MW3	11/05/2007	110
344828- 4		MW4	11/05/2007	97
344828- 5		DUP1	11/05/2007	114
188454--21	LCD		11/05/2007	107
188454--21	LCS		11/05/2007	106
188454--21	MB		11/05/2007	102

Test	Test Description	Limits
OTERPH	o-Terphenyl	60 - 140

SURROGATE RECOVERIES REPORT

Job Number.: 344828 Report Date.: 11/13/2007

CUSTOMER: 483648 PROJECT: MARK OWEN 9 ATTN: Arthur Greeley

Method.....: Total Volatile Petroleum Hydrocarbons Method Code...: 8015G Prep Batch....:
Batch(s).....: 188571 Test Matrix...: Water Equipment Code: BTEX04

Lab ID	DT	Sample ID	Date	ATFT	BFB
188571- 1	LCS		11/05/2007	91.9	120.2
188571- 1	MB		11/05/2007	93.2	121.4
344828- 1		MW1	11/05/2007	89.3	119.4
344828- 1	MS	MW1	11/05/2007	92.1	118.5
344828- 1	MSD	MW1	11/05/2007	92.5	118.6
344828- 2		MW2	11/05/2007	87.6	119.6
344828- 3		MW3	11/05/2007	87.8	122.1
344828- 4		MW4	11/05/2007	93.5	122.5
344828- 5		DUP1	11/05/2007	94.7	124.1

Test	Test Description	Limits
ATFT	a,a,a-Trifluorotoluene	68 - 143
BFB	BFB (Surrogate)	70 - 139

SURROGATE RECOVERIES REPORT

Job Number.: 344828 Report Date.: 11/13/2007

CUSTOMER: 483648 PROJECT: MARK OWEN 9 ATTN: Arthur Greeley

Method.....: GC Volatile Organics Method Code...: 8021 Prep Batch....:
Batch(s).....: 188673 Test Matrix...: Water Equipment Code: BTEX02

Lab ID	DT	Sample ID	Date	ATFT	ATFTB	BFB	BFBB
188673- 1	LCS		11/07/2007	106.0	110.4	111.8	110.1
188673- 1	MB		11/07/2007	106.9	111.3	114.4	108.7
344828- 1		MW1	11/07/2007	108.4	112.6	115.7	110.2
344828- 2		MW2	11/07/2007	108.1	111.6	114.9	109.6
344828- 2	MS	MW2	11/07/2007	104.4	110.1	111.8	109.7
344828- 2	MSD	MW2	11/07/2007	105.7	110.3	112.1	108.7
344828- 3		MW3	11/07/2007	108.8	111.9	115.2	108.8
344828- 4		MW4	11/07/2007	108.9	111.7	115.7	109.9
344828- 5		DUP1	11/07/2007	108.2	111.3	114.9	108.6
344828- 6		TRIP BLANK	11/07/2007	106.8	110.6	114.0	108.0

Test	Test Description	Limits
ATFT	a,a,a-Trifluorotoluene	70 - 135
ATFTB	a,a,a-Trifluorotoluene Column B	70 - 135
BFB	BFB (Surrogate)	64 - 136
BFBB	BFB (Surrogate) Column B	64 - 136

REPORT COMMENTS

1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
2) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.
3) According to 40CFR Part 136.3, pH, Chlorine Residual, and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field,(e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.
4) For all USACE projects, the QC limits are based on "mean +/- 2 sigma", which are the warning limits.

General Information:

- Cresylic Acid is the combination of o,m and p-Cresol. The combination is reportesd as the final result.
- m-Cresol and p-Cresol co-elute. The result of the two is reported as either m&p-cresol or as p-cresol.
- m-Xylene and p-Xylene co-elute. The result of the two is reported as m,p-Xylene.
- N-Nitrosodiphenylamine decomposes in the gas chromatograph inlet forming dipheylamine and, consequently, may be detected as diphenylamine.
- Methylene Chloride and Acetone are recognized potential laboratory contaminants. Its presence in the sample up to five times the amount reported in the blank may be attributed to laboratory contamination.
- Trimethysilyl(Diazomethane) is used to esterify acid herbicides in Method SW-846 8151A.
- For Inorganic analyses, duplicate QC limits are determined as follows: If the sample result is less than or equal to 5 times the reporting limit, the RPD limit is equal to the reporting limit. If the sample result is greater than 5 times the reporting limit, the RPD limit is the method defined RPD.
- For TRRP reports, the header on the column RL is equivalent to a MQL/PQL.
- Results for LCS and MS/MSD recoveries listed in the report are reported as ug/L on-column values which are not corrected for variables such as sample volumes or weights extracted, final volume of extracts and dilutions. To correct QC on-column recoveries to reflect actual spiking volumes for soils, mutltiply the values reported for Diesel Range Organics and Semivolatiles by 33.3 and Gasoline Range Organics by 20. The 8260 and 1006 results will not require correction. The only corection required for water analysis is for method 1006 where the reported concentraiton must be multiplied by 0.1.
- Due to limitiation of the reporting software, results for the Method blank in the Semivolatile fraction are reported as "0". Which indicates there was no compound detected at the reporting limit for the compound reveiwed.

Explanation of Qualifiers:

U - This qualifier indicates that the analyte was analyzed but not detected.
J - (Organics only) This qualifier indicates that the analyte is an estimated value between the RL and the MDL.
B - (Inorganics only) This Qualifier indicates that the analyte is an estimated value between the RL and the MDL.
N - (Organics only) This flag indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It is applied to all TIC results. For generic charachterization of a TIC, such as "chlorinated hydrocarbon", the "N" flag is not used.

Explanation of General QC Outliers:

A - Matrix interference present in sample.
a - MS/MSD analyses yielded comparable poor recoveries, indicating a possible matrix interference. Method performance is demonstrated by acceptable LCS recoveries.
b - Target analyte was found in the method blank.
M - QC sample analysis yielded recoveries outside QC acceptance criteria. This sample was reanalyzed.
L - LCS analysis yielded high recoveries, indicating a potential high bias. No target analytes were observed above the RL in the associated samples.
G - Marginal outlier within 1% of acceptance criteria.
r - RPD value is outside method acceptance criteria.
C - Poor RPD values observed due to the non-homogenous nature of the sample.

O - Sample required dilution due to matrix interference.
D - Sample reported from a dilution.
d - Spike and/or surrogate diluted.
E - The reported concentration exceeds the instrument calibration.
F - The analyte is outside QC limits and was not detected in any associated samples in the analytical batch.
H - Continuing Calibration Verification (CCV) standard is not associated with the samples reported.
q - See the subcontract final report for qualifier explanation.
W - The MS/MSD recoveries are outside QC acceptance criteria because the amount spiked is much less than the amount found in the sample.
K - High recovery will not affect the quality of reported results.
Z - See case narrative.

Explanation of Organic QC Outliers:

e - Method blank analysis yielded phthalate concentrations above the RL. Phthlates are recognized potential laboratory contaminants. Its presence in the sample up to five times the amount reported in the blank may be attributed to laboratory contamination.
S - Sample reanalyzed/reextracted due to poor surrogate recovery. Reanalysis confirmed original analysis indicating a possible matrix interference.
T - Sample analysis yielded poor surrogate recovery.
R - The RPD between the two GC columns is greater than 40% and no anomalies are present. The higher result is reported as per EPA Method 8000B.
I - The RPD between the two GC columns is greater than 40% and anomalies are present. The lower of the two results has been reported.
X - Gaseous compound. In-house QC limits are advisory.
Y - Ketone compounds have poor purge efficiency. In-house QC limits are advisory.
f - Surrogate not associated with reported analytes.

Explanation of Inorganic QC Outliers:

Q - Method blank analysis yielded target analytes above the RL. Associated sample results are greater than 10 times the concentrations observed in the method blank.
V - The RPD control limit for sample results less than 5 times the RL is +/- the RL value. Sample and duplicate results are within method acceptance criteria.
e - Serial dilution failed due to matrix interference.
g - Sample result quantitated by Method of Standard Additions (MSA) due to the analytical spike recovery being below 85 percent. The correlation coefficent for the MSA is greater than or equal to 0.995.
s - BOD/cBOD seed value is not within method acceptance criteria. Due to the nature of the test method, the sample cannot be reanalyzed.
l - BOD/cBOD LCS value is not within method acceptance criteria. Due to the nature of the test method, sample cannot be reanalyzed.
N - Spiked sample recovery is not within control limits.
n - Sample result quantitated by Method of Standard Additions (MSA) due to the analytical spike recovery being below 85 percent. The correlation coefficient for the MSA is less than 0.995.
* - Duplicate analysis is not within control limits.

Abbreviations:

Batch - Designation given to identify a specific extraction, digestion, preparation, or analysis set.
CCV - Continuing Calibration Verification
CRA - Low level standard check - GFAA, Mercury
CRI - Low level standard check - ICP
Dil Fac - Dilution Factor - Secondary dilution analysis
DLFac - Detection Limit Factor
DU - Duplicate
EB - Extraction Blank (TCLP, SPLP, etc.)
ICAL - Initial Calibration

ICB - Initial Calibration Blank
ICV - Initial Calibration Verification
ISA - Interference Check Sample A - ICP
ISB - Interference Check Sample B - ICP
LCD - Laboratory Control Duplicate
LCS - Laboratory Control Sample
MB - Method Blank
MD - Method Duplicate
MDL - Method Detection Limit
MQL - Method Quantitation Limit (TRRP)
MS - Matrix Spike
MSD - Matrix Spike Duplicate
ND - Not Detected
PB - Preparation Blank
PREPF - Preparation Factor
RL - Reporting Limit
RPD - Relative Percent Difference
RRF - Relative Response Factor
RT - Retention Time
SQL - Sample Quantitation Limit (TRRP)
TIC - Tentatively Identified Compound

Method References:

(1) EPA 600/4-79-020 Methods for the Analysis of Water and Wastes, March 1983.
(2) EPA 600/R-94-111 Methods for the Determination of MEtals in Environmental Samples, Supplement I, May 1994.
(3) EPA SW846 Test Methods for Evaluating Solid Waste, Third Edition, September 1986; Update I July 1992; Update II, September 1994, Update IIA August 1993; Update IIB, January 1995; Update III, December 1996, Update IVA January 1998, Update IVB November 2000.
(4) Standard Methods for the Examination of Water and Wastewater, 16th Edition (1985), 17th Edition (1989), 18th Edition (1992), 19th Edition (1995), 20th Edition (1998).
(5) HACH Water Analysis Handbook 3rd Edition (1997).
(6) Federal Register, July 1, 1990 (40 CFR Part 136 Appendix A).
(7) Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, 2nd Edition, January 1997.

(9) Diagnosis and Improvement of Saline and Alkali Soils, Agriculture Handbook No. 60, United States Department of Agriculture, 1954.

LABORATORY CHRONICLE

Job Number: 344828 Date: 11/13/2007

CUSTOMER: Conestoga-Rovers and Associates PROJECT: MARK OWEN 9 ATTN: Arthur Greeley

Lab ID: 344828-1 Client ID: MW1 Date Recvd: 11/03/2007 Sample Date: 11/01/2007

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
SW-846 3010A	Acid Digestion Aqueous/Extracts FLAA/ICP	1	188939		11/12/2007 1640	
EPA 310.1	Alkalinity	1	188622		11/06/2007 1600	
SW846 8015	Extraction (Sep Funnel) 8015 Diesel	1	188454		11/05/2007 0900	
SW-846 8021B	GC Volatile Organics	1	188673		11/07/2007 0904	1.0000
EPA 300.0	Ion Chromatography Analysis	1	188846		11/09/2007 2110	10
SW-846 7470A	Mercury (CVAA)	1	188634	188605	11/07/2007 1351	
SW-846 7470A	Mercury Preparation (CVAA)	1	188605		11/07/2007 0920	
SW-846 6010B	Metals Analysis (ICAP Trace)	1	188959	188939	11/13/2007 1137	
SM2540 C	Solids, Total Dissolved (TDS)	1	188711		11/07/2007 1830	
SW-846 8015B	Total Extractable Petroleum Hydrocarbons	1	188669	188454	11/05/2007 1819	
SW-846 8015B	Total Volatile Petroleum Hydrocarbons	1	188571		11/05/2007 0938	1.0000

Lab ID: 344828-2 Client ID: MW2 Date Recvd: 11/03/2007 Sample Date: 11/01/2007

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
SW-846 3010A	Acid Digestion Aqueous/Extracts FLAA/ICP	1	188939		11/12/2007 1640	
EPA 310.1	Alkalinity	1	188622		11/06/2007 1600	
SW846 8015	Extraction (Sep Funnel) 8015 Diesel	1	188454		11/05/2007 0900	
SW-846 8021B	GC Volatile Organics	1	188673		11/07/2007 0924	1.0000
EPA 300.0	Ion Chromatography Analysis	1	188846		11/09/2007 2212	10
SW-846 7470A	Mercury (CVAA)	1	188634	188605	11/07/2007 1358	
SW-846 7470A	Mercury Preparation (CVAA)	1	188605		11/07/2007 0920	
SW-846 6010B	Metals Analysis (ICAP Trace)	1	188959	188939	11/13/2007 1141	
SM2540 C	Solids, Total Dissolved (TDS)	1	188711		11/07/2007 1830	
SW-846 8015B	Total Extractable Petroleum Hydrocarbons	1	188669	188454	11/05/2007 1609	
SW-846 8015B	Total Volatile Petroleum Hydrocarbons	1	188571		11/05/2007 1004	1.0000

Lab ID: 344828-3 Client ID: MW3 Date Recvd: 11/03/2007 Sample Date: 11/01/2007

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
SW-846 3010A	Acid Digestion Aqueous/Extracts FLAA/ICP	1	188939		11/12/2007 1640	
EPA 310.1	Alkalinity	1	188622		11/06/2007 1600	
SW846 8015	Extraction (Sep Funnel) 8015 Diesel	1	188454		11/05/2007 0900	
SW-846 8021B	GC Volatile Organics	1	188673		11/07/2007 0944	1.0000
EPA 300.0	Ion Chromatography Analysis	1	188846		11/09/2007 2228	
EPA 300.0	Ion Chromatography Analysis	1	188846		11/09/2007 2244	10
SW-846 7470A	Mercury (CVAA)	1	188634	188605	11/07/2007 1400	
SW-846 7470A	Mercury Preparation (CVAA)	1	188605		11/07/2007 0920	
SW-846 6010B	Metals Analysis (ICAP Trace)	1	188959	188939	11/13/2007 1145	
SM2540 C	Solids, Total Dissolved (TDS)	1	188711		11/07/2007 1830	
SW-846 8015B	Total Extractable Petroleum Hydrocarbons	1	188669	188454	11/05/2007 1652	
SW-846 8015B	Total Volatile Petroleum Hydrocarbons	1	188571		11/05/2007 1031	1.0000

Lab ID: 344828-4 Client ID: MW4 Date Recvd: 11/03/2007 Sample Date: 11/01/2007

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
SW-846 3010A	Acid Digestion Aqueous/Extracts FLAA/ICP	1	188939		11/12/2007 1640	
EPA 310.1	Alkalinity	1	188622		11/06/2007 1600	
SW846 8015	Extraction (Sep Funnel) 8015 Diesel	1	188454		11/05/2007 0900	
SW-846 8021B	GC Volatile Organics	1	188673		11/07/2007 1004	1.0000
EPA 300.0	Ion Chromatography Analysis	1	188846		11/09/2007 2259	10
EPA 300.0	Ion Chromatography Analysis	1	188846		11/10/2007 0002	1000
SW-846 7470A	Mercury (CVAA)	1	188634	188605	11/07/2007 1405	
SW-846 7470A	Mercury Preparation (CVAA)	1	188605		11/07/2007 0920	
SW-846 6010B	Metals Analysis (ICAP Trace)	1	188959	188939	11/13/2007 1148	
SM2540 C	Solids, Total Dissolved (TDS)	1	188711		11/07/2007 1830	
SW-846 8015B	Total Extractable Petroleum Hydrocarbons	1	188669	188454	11/05/2007 1736	
SW-846 8015B	Total Volatile Petroleum Hydrocarbons	1	188571		11/05/2007 1057	1.0000

LABORATORY CHRONICLE

Job Number: 344828 Date: 11/13/2007

CUSTOMER: Conestoga-Rovers and Associates PROJECT: MARK OWEN 9 ATTN: Arthur Greeley

Lab ID: 344828-5 Client ID: DUP1 Date Recvd: 11/03/2007 Sample Date: 11/01/2007

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
SW-846 3010A	Acid Digestion Aqueous/Extracts FLAA/ICP	1	188939		11/12/2007 1640	
EPA 310.1	Alkalinity	1	188622		11/06/2007 1600	
SW846 8015	Extraction (Sep Funnel) 8015 Diesel	1	188454		11/05/2007 0900	
SW-846 8021B	GC Volatile Organics	1	188673		11/07/2007 1024	1.0000
EPA 300.0	Ion Chromatography Analysis	1	188846		11/10/2007 0017	10
EPA 300.0	Ion Chromatography Analysis	1	188846		11/10/2007 0049	1000
SW-846 7470A	Mercury (CVAA)	1	188634	188605	11/07/2007 1407	
SW-846 7470A	Mercury Preparation (CVAA)	1	188605		11/07/2007 0920	
SW-846 6010B	Metals Analysis (ICAP Trace)	1	188959	188939	11/13/2007 1152	
SM2540 C	Solids, Total Dissolved (TDS)	1	188711		11/07/2007 1830	
SW-846 8015B	Total Extractable Petroleum Hydrocarbons	1	188669	188454	11/05/2007 1819	
SW-846 8015B	Total Volatile Petroleum Hydrocarbons	1	188571		11/05/2007 1124	1.0000

Lab ID: 344828-6 Client ID: TRIP BLANK Date Recvd: 11/03/2007 Sample Date: 11/01/2007

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
SW-846 8021B	GC Volatile Organics	1	188673		11/07/2007 1044	1.0000

SEVERN TRENT **STL**

No. 43439

CHAIN OF CUSTODY RECORD

CUSTOMER INFORMATION	PROJECT INFORMATION
COMPANY: CEMC / CRA	PROJECT NAME/NUMBER: 046121
SEND REPORT TO: Tom Larson	**BILLING INFORMATION**
ADDRESS: 2135 S Loop 250 W	BILL TO:
Midland, TX 79703	ADDRESS:
PHONE: 432-686-0086	PHONE:
FAX: 432-686-0186	FAX: PO NO:

LAB JOB NO. 344828

SAMPLE NO.	SAMPLE DESCRIPTION	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER	PRESERV.	NUMBER OF CONTAINERS	BTEX 8021B	Metals 6010 and 7470	TDS 160.1	Alkalinity 9056	Chloride 9056	Sulfates 9056	TPH 8015 Mod GRO	TPH 8015 Mod DRO	REMARKS/PRECAUTIONS
MW1		11-1-7	1220	W				X	X	X	X	X	X	X	X	
MW2		11-1-7	1300	W				X	X	X	X	X	X	X	X	
MW3		11-1-7	1318	W				X	X	X	X	X	X	X	X	
MW4		11-1-7	1350	W				X	X	X	X	X	X	X	X	
Dup1								X	X	X	X	X	X	X	X	

SAMPLER: WBDE SHIPMENT METHOD: Fed Ex AIRBILL NO.:

REQUIRED TURNAROUND* ☐ SAME DAY ☐ 24 HOURS ☐ 48 HOURS ☐ 72 HOURS ☐ 5 DAYS ☐ 10 DAYS ☑ ROUTINE ☐ OTHER

1. RELINQUISHED BY:	DATE	2. RELINQUISHED BY:	DATE	3. RELINQUISHED BY:	DATE
SIGNATURE: Bill Dietz	11-2-7	SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY: CRA	TIME 1800	PRINTED NAME/COMPANY:	TIME	PRINTED NAME/COMPANY:	TIME
1. RECEIVED BY:	DATE	2. RECEIVED BY:	DATE	3. RECEIVED BY:	DATE
SIGNATURE:		SIGNATURE:	11-3-7	SIGNATURE:	
PRINTED NAME/COMPANY:	TIME	PRINTED NAME/COMPANY:	TIME 1128	PRINTED NAME/COMPANY:	TIME

*RUSH TURNAROUND MAY REQUIRE SURCHARGE

SEVERN TRENT LABORATORIES, INC.
1733 N. Padre Island Drive
Corpus Christi, TX 78408
Phone: (361) 289-2673 / Fax: (361) 289-2471

rpjsckl | Job Sample Receipt Checklist Report | V2

Job Number.: 344828 Location.: 57216 Check List Number.: 1 Description.:
Customer Job ID.....: Job Check List Date.: Date of the Report..: 11/03/2007
Project Number.: 99007656 Project Description.: Mark Owen 9 Project Manager.....: sgk
Customer.....: Conestoga-Rovers and Associates Contact.: Arthur Greeley

Questions ?	(Y/N)	Comments
Chain of Custody Received?	Y	
...If "yes", completed properly?	Y	
Custody seal on shipping container?	Y	
...If "yes", custody seal intact?	Y	
Custody seals on sample containers?	N	
...If "yes", custody seal intact?		
Samples chilled?	Y	
Temperature of cooler acceptable? (4 deg C +/- 2).	N	1.3;1.8
...If "no", is sample an air matrix?(no temp req.)		
Thermometer ID	Y	439
Samples received intact (good condition)?	Y	
Volatile samples acceptable? (no headspace)	Y	
Correct containers used?	Y	
Adequate sample volume provided?	Y	
Samples preserved correctly?	Y	
Samples received within holding-time?	Y	
Agreement between COC and sample labels?	Y	
Radioactivity at or below background levels?	Y	
Additional		
Comments		
Sample Custodian Signature/Date	Y	EHC

SAH 11-3-7

APPENDIX C

SOIL BORING LOG

Project: OWEN #9 ASSESSMENT
EUNICE, NEW MEXICO

Client: CHEVRON ENVIROMENTAL
MANAGEMENT COMPANY

No. SB-1/MW-1

File No.: 46121
Date: 10/22/2007
Drilling Co.: WHITE DRILLING
Supervisor: J. WHITE
Type Rig: INGERSOL AIR ROTARY T3W
Logged by: TOM LARSON

LABORATORY TEST DATA (Results Reported in mg/kg)						FIELD DATA				BORING DATA	
Benzene	Toluene	Ethyl-benzene	Xylenes	Total TPH (C6-C35)	Chlorides	Photo-Ionization Detection Reading (ppm)	Sampling	Depth (feet)	Water Level	Screen Interval	Start Time: 1215 Finish Time: 1500
											Silty Sand: Buff, tan, with indurated hard calcum carbonate seams 10-50% dry.
						18.4	☒	5			
0.00248	0.00683	0.00592	0.001819	220.324	74.4	(6.8 spl)	☒	10			
											Sand: Light reddish brown, very fine grained, loose, dry.
						3.6	☒	15			
0.00254	0.00699	0.00607	0.001869	1.642	302	(2.8 spl)	☒	20			
						3.6	☒	25			
0.00229	0.0063	0.00547	0.0168	1.447	168	(2.8 spl)	☒	30	▽		
											Sand: Light reddish brown, very fine grained, wet @ 31'
								35			
								40			

☒ Sampling Interval

Stratification is Inferred And May Not be Exact.
Soil Classification Based on Visual-Manual Procedure

▽ Water First Noted

( ) Analyzed Sample

SOIL BORING LOG

Project: OWEN #9 ASSESSMENT
EUNICE, NEW MEXICO

No. SB-1/MW-1
CONT'D

Client: CHEVRON ENVIROMENTAL
MANAGEMENT COMPANY

File No.: 46121
Date: 10/22/2007
Drilling Co.: WHITE DRILLING
Supervisor: J. WHITE
Type Rig: INGERSOL AIR ROTARY T3W
Logged by: TOM LARSON

LABORATORY TEST DATA (Results Reported in mg/kg)					FIELD DATA				BORING DATA	
Benzene	Toluene	Ethyl-benzene	Xylenes	Total TPH (C6-C35)	Photo-Ionization Detection Reading (ppm)	Sampling	Depth (feet)	Water Level	Screen Interval	Start Time: 1215 Finish Time: 1500
							45			
							50			Clay: Red brown, saturated, soft.
										BORING TERMINATED AT 51'
							55			
							60			
							65			
							70			
							75			
							80			

Stratification is Inferred And May Not be Exact.
Soil Classification Based on Visual-Manual Procedure

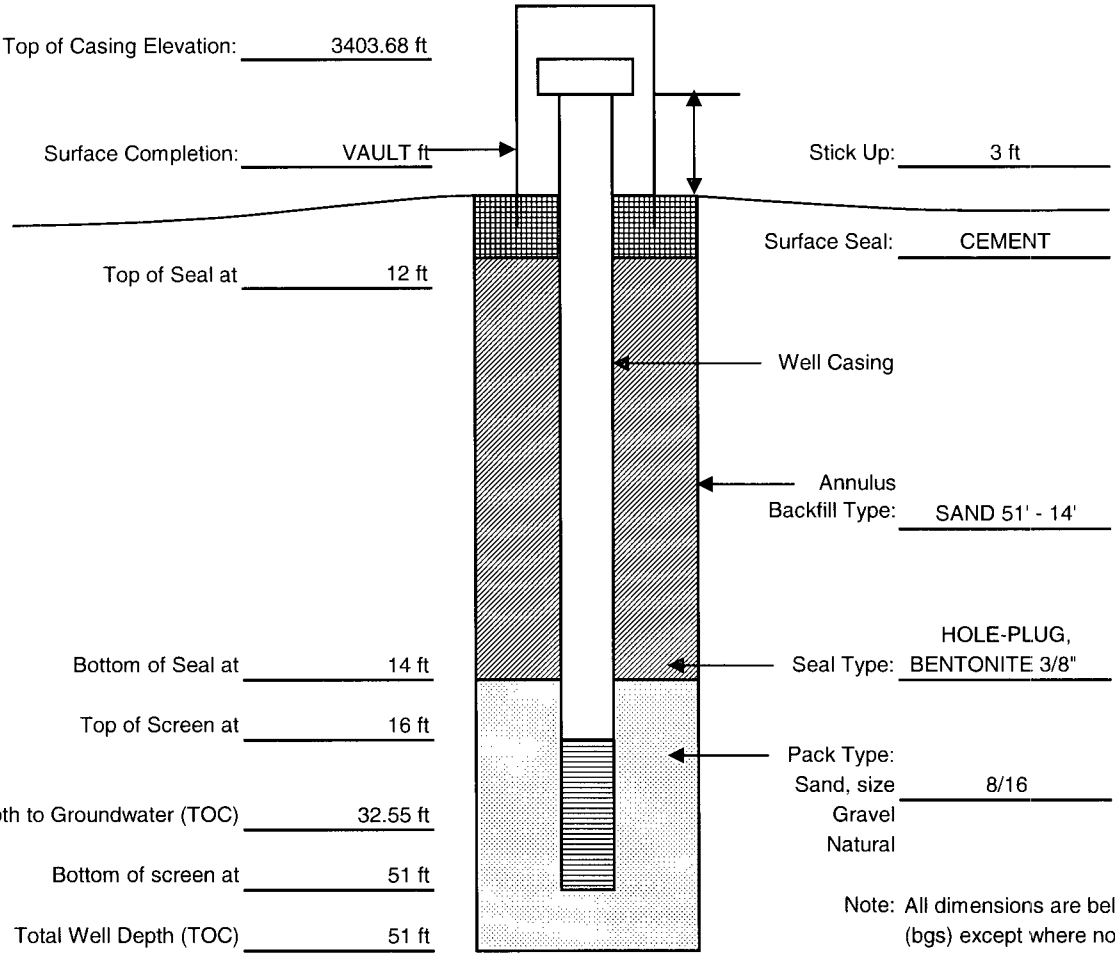
MONITORING WELL CONSTRUCTION DETAIL

Project: OWEN #9 ASSESSMENT
EUNICE, NEW MEXICO

No. SB-1/MW-1

Client: CHEVRON ENVIROMENTAL
MANAGEMENT COMPANY

File No.: 46121
Date: 10/22/2007
Drilling Co.: WHITE DRILLING
Supervisor: J. WHITE
Type Rig: INGERSOL AIR ROTARY T3W
Logged by: TOM LARSON



Screen Type: ☒ slotted ☐ perforated other: _____

Screen Material: ☐ stainless steel ☒ PVC other: _____

Screen Length: 35 feet Screen Diameter: 4 inches Screen Slot Size: 0.020 inches

Well Casing Material: PVC Well Casing Diameter: 4 inches

Development - Method: Bailed 50 gallons Hole Diameter: 8 inches

Duration/Volume: 1 hour to clean

SOIL BORING LOG

Project: OWEN #9 ASSESSMENT
EUNICE, NEW MEXICO

No. SB-2

Client: CHEVRON ENVIROMENTAL
MANAGEMENT COMPANY

File No.: 46121
Date: 10/23/2007
Drilling Co.: WHITE DRILLING
Supervisor: J. WHITE
Type Rig: INGERSOL AIR ROTARY T3W
Logged by: TOM LARSON

LABORATORY TEST DATA (Results Reported in mg/kg)						FIELD DATA				BORING DATA	
Benzene	Toluene	Ethyl-benzene	Xylenes	Total TPH (C6-C35)	Chlorides	Photo-Ionization Detection Reading (ppm)	Sampling	Depth (feet)	Water Level	Screen Interval	Start Time: 830 Finish Time: 920
											Fill Material: Caliche and gravel.
											Silty Sand: Buff, tan, very fine grained with indurated calcium carbonate stringers (10 - 40%) hard, dry.
						0.9	X	5			
0.00241	0.00663	0.00575	0.01766	1.589	20.1	(1.9)	X	10			Sand: Light red-brown, very fine grained, primarily loose, dry becoming slightly damp to damp at base of unit.
						2.1	X	15			
0.00238	0.00656	0.00569	0.01747	1.603	22.7	(2.2)	X	20			
						1.9	X	25			
0.00247	0.00681	0.00591	0.01815	1.581	46.4	(2.2)	X	30			TOTAL DEPTH OF BORING = 30'
								35			
								40			

X Sampling Interval

Stratification is Inferred And May Not be Exact.
Soil Classification Based on Visual-Manual Procedure

(1.9) Analyzed Sample

SOIL BORING LOG

Project: OWEN #9 ASSESSMENT
EUNICE, NEW MEXICO

No. SB-3

Client: CHEVRON ENVIROMENTAL
MANAGEMENT COMPANY

File No.: 46121
Date: 10/23/2007
Drilling Co.: WHITE DRILLING
Supervisor: J. WHITE
Type Rig: INGERSOL AIR ROTARY T3W
Logged by: TOM LARSON

LABORATORY TEST DATA (Results Reported in mg/kg)						FIELD DATA				BORING DATA	
Benzene	Toluene	Ethyl-benzene	Xylenes	Total TPH (C6-C35)	Chlorides	Photo-Ionization Detection Reading (ppm)	Sampling	Depth (feet)	Water Level	Screen Interval	Start Time: 1010 Finish Time: 1120
											Fill material: Caliche and gravel
											Silty sand: White, buff, firm to dense with indurated calcium carbonate, hard seams (10-40%) dry
						1.9	X	5			
0.00216	0.00594	0.00515	0.01582	78.397	21.3	(9.8)	X	10			Sand: Light red-brown, very fine grained slightly damp at 24-25' hard sandstone seam 28-29', damp 29-30'
						3.5	X	15			
0.00215	0.00592	0.0101	0.0201	1.366	17.1	(3.7)	X	20			
						3.4	X	25			
0.00258	0.00717	0.00616	0.0189	16.314	30.3	(3.8)	X	30			Hard streak 28-29'
								35			TOTAL DEPTH OF BORING = 30'
								40			

X Sampling Interval

Stratification is Inferred And May Not be Exact.
Soil Classification Based on Visual-Manual Procedure

(9.8) Analyzed Sample

SOIL BORING LOG

Project: OWEN #9 ASSESSMENT
EUNICE, NEW MEXICO

Client: CHEVRON ENVIROMENTAL
MANAGEMENT COMPANY

No. SB-4

File No.: 46121
Date: 10/23/2007
Drilling Co.: WHITE DRILLING
Supervisor: J. WHITE
Type Rig: INGERSOL AIR ROTARY T3W
Logged by: TOM LARSON

LABORATORY TEST DATA (Results Reported in mg/kg)						FIELD DATA				BORING DATA	
Benzene	Toluene	Ethyl-benzene	Xylenes	Total TPH (C6-C35)	Chlorides	Photo-Ionization Detection Reading (ppm)	Sampling	Depth (feet)	Water Level	Screen Interval	Start Time: 1210 Finish Time: 1310
											Sand: Brown, loose, dry
						2.7	X	5			Silty Sand: Very fine grained, loose, then white to tan, very fine grained, firm to dense with hard, indurated calcium carbonate (10-40%) dry.
0.00223	0.00613	0.00532	0.01634	13.372	26.7	(3.2)	X	10			Sand: Light red-brown, very fine grained, soft to firm, dry becoming damp at base of unit.
						3.6	X	15			
0.00255	0.00704	0.0061	0.01874	1.594	25.2	(3.6)	X	20			
						4.0	X	25			Sandstone: Buff, very fine grained, very hard, dry
0.00239	0.00659	0.00828	0.01755	1.534	29.8	(3.6)	X	30			Sand: Light tan, reddish brown, very loose, damp
											TOTAL DEPTH OF BORING = 31'
								35			
								40			

X Sampling Interval

Stratification is Inferred And May Not be Exact.
Soil Classification Based on Visual-Manual Procedure

(3.6) Analyzed Sample

SOIL BORING LOG

Project: OWEN #9 ASSESSMENT
EUNICE, NEW MEXICO

No. SB-5/MW-2

Client: CHEVRON ENVIROMENTAL
MANAGEMENT COMPANY

File No.: 46121
Date: 10/23/2007
Drilling Co.: WHITE DRILLING
Supervisor: J. WHITE
Type Rig: INGERSOL AIR ROTARY T3W
Logged by: TOM LARSON

LABORATORY TEST DATA (Results Reported in mg/kg)						FIELD DATA					BORING DATA
Benzene	Toluene	Ethyl-benzene	Xylenes	Total TPH (C6-C35)	Chlorides	Photo-Ionization Detection Reading (ppm)	Sampling	Depth (feet)	Water Level	Screen Interval	Start Time: 1450 Finish Time: 1620
											Sand: Brown, loose, dry
											Silty Sand: Dry then buff, very fine grain, firm to dense, indurated with hard calcium carbonate (10-40%) dry.
						3.0	X	5			
0.00229	0.00631	0.00547	0.0168	1.498	12	(9.8)	X	10			
						7.2	X	15			Silty Sand: Buff, light tan, very fine grain, primarily loose to firm, dry with hard indurated calcium carbonate stringers (10-20%) dry.
0.0025	0.00689	0.00598	0.01836	1.571	20.9	(3.6)	X	20			
						3.6	X	25			Sand: Light tan, very fine grained, loose, dry to damp.
						7.5	X	30			Sandstone: Light tan, red-brown, very fine grain, dense, damp
0.00216	0.00596	0.00517	0.01589	320.33	35	(6.1)	X	35	▽		Sand: Light tan, red-brown, loose to firm, very damp to saturated
								40			

X Sampling Interval

Stratification is Inferred And May Not be Exact.
Soil Classification Based on Visual-Manual Procedure

▽ Water First Noted

(9.8) Analyzed Sample

SOIL BORING LOG

Project: OWEN #9 ASSESSMENT
EUNICE, NEW MEXICO

Client: CHEVRON ENVIROMENTAL
MANAGEMENT COMPANY

No. SB-5/MW-2
CONT'D

File No.: 46121
Date: 10/22/2007
Drilling Co.: WHITE DRILLING
Supervisor: J. WHITE
Type Rig: INGERSOL AIR ROTARY T3W
Logged by: TOM LARSON

LABORATORY TEST DATA (Results Reported in mg/kg)					FIELD DATA				BORING DATA	
Benzene	Toluene	Ethyl-benzene	Xylenes	Total TPH (C6-C35)	Photo-Ionization Detection Reading (ppm)	Sampling	Depth (feet)	Water Level	Screen Interval	Start Time: 1450 Finish Time: 1620
							45			
							50			
							55			
							60			Clay: Red-brown, soft, saturated
							65			TOTAL DEPTH OF BORING = 57'
							70			
							75			
							80			

Stratification is Inferred And May Not be Exact.
Soil Classification Based on Visual-Manual Procedure

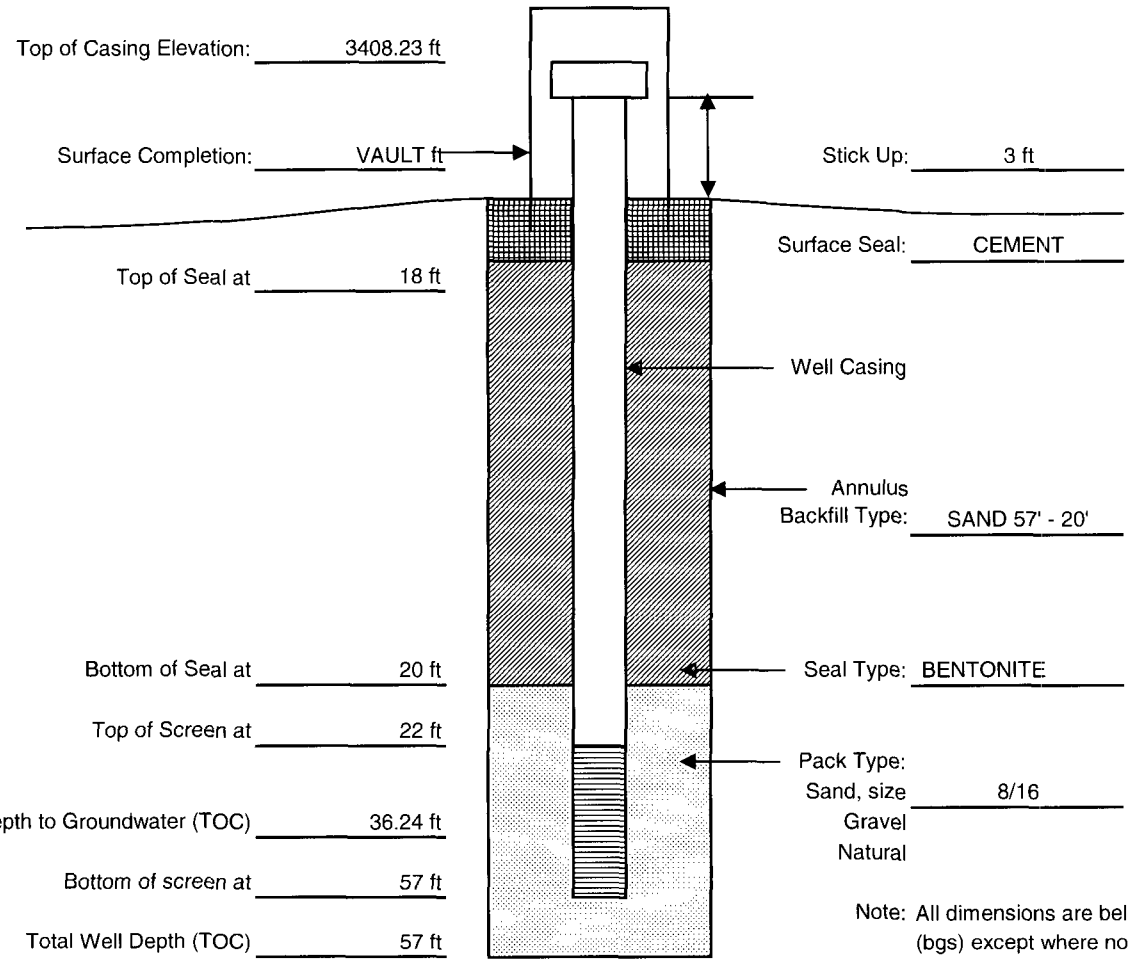
MONITORING WELL CONSTRUCTION DETAIL

Project: OWEN #9 ASSESSMENT
EUNICE, NEW MEXICO

No. SB-5/MW-2

Client: CHEVRON ENVIROMENTAL
MANAGEMENT COMPANY

File No.: 46121
Date: 10/23/2007
Drilling Co.: WHITE DRILLING
Supervisor: J. WHITE
Type Rig: INGERSOL AIR ROTARY T3W
Logged by: TOM LARSON



Screen Type: ☒ slotted ☐ perforated other: _____

Screen Material: ☐ stainless steel ☒ PVC other: _____

Screen Length: 35 feet Screen Diameter: 4 inches Screen Slot Size: 0.020 inches

Well Casing Material: 4" PVC Well Casing Diameter: 4 inches

Development - Method: Bailed 50 gallons Hole Diameter: 8 inches

Duration/Volume: 1 hour to clean

SOIL BORING LOG

Project: OWEN #9 ASSESSMENT
EUNICE, NEW MEXICO

No. SB-6/MW-3

Client: CHEVRON ENVIROMENTAL
MANAGEMENT COMPANY

File No.: 46121
Date: 10/24/2007
Drilling Co.: WHITE DRILLING
Supervisor: J. WHITE
Type Rig: INGERSOL AIR ROTARY T3W
Logged by: TOM LARSON

LABORATORY TEST DATA (Results Reported in mg/kg)						FIELD DATA				BORING DATA	
Benzene	Toluene	Ethyl-benzene	Xylenes	Total TPH (C6-C35)	Chlorides	Photo-Ionization Detection Reading (ppm)	Sampling	Depth (feet)	Water Level	Screen Interval	Start Time: 830 Finish Time: 1030
											Sand: Brown, very fine grain, loose, dry.
											Silty Sand: Buff, light tan, firm to dense, indurated calcium carbonate hard seams (10-40%) dry.
						6.0	X	5			
0.00222	0.00612	0.00531	0.01631	1.341	20.5	(6.0)	X	10			Sand: Light tan, very fine grained, primarily loose with firm streaks, dry.
						3.8	X	15			
0.00209	0.00574	0.00498	0.01531	1.345	14.1	(3.5)	X	20			
						1.3	X	25			
											Sandstone: Tan, very fine grained, dense, damp.
						3.7	X	30			
0.00253	0.00697	0.00604	0.01856	250.33	43.1	(1.5)	X		▽		Sand: Light tan, light red-brown, loose to firm, very fine grained, very damp to saturated.
								35			
								40			

X Sampling Interval

Stratification is Inferred And May Not be Exact.
Soil Classification Based on Visual-Manual Procedure

▽ Water First Noted

(1.5) Analyzed Sample

SOIL BORING LOG

Project: OWEN #9 ASSESSMENT
EUNICE, NEW MEXICO

Client: CHEVRON ENVIROMENTAL
MANAGEMENT COMPANY

No. SB-6/MW-3
CONT'D

File No.: 46121
Date: 10/24/2007
Drilling Co.: WHITE DRILLING
Supervisor: J. WHITE
Type Rig: INGERSOL AIR ROTARY T3W
Logged by: TOM LARSON

LABORATORY TEST DATA (Results Reported in mg/kg)					FIELD DATA				BORING DATA	
Benzene	Toluene	Ethyl-benzene	Xylenes	Total TPH (C6-C35)	Photo-Ionization Detection Reading (ppm)	Sampling	Depth (feet)	Water Level	Screen Interval	Start Time: 830 Finish Time: 1030
							45			
							50			
							55			Clay: Red-brown, saturated, loose with minor sand
										TOTAL DEPTH OF BORING = 54'
							60			
							65			
							70			
							75			
							80			

Stratification is Inferred And May Not be Exact.
Soil Classification Based on Visual-Manual Procedure

MONITORING WELL CONSTRUCTION DETAIL

Project: OWEN #9 ASSESSMENT
EUNICE, NEW MEXICO

No. SB-6/MW-3

Client: CHEVRON ENVIROMENTAL
MANAGEMENT COMPANY

File No.: 46121
Date: 10/24/2007
Drilling Co.: WHITE DRILLING
Supervisor: J. WHITE
Type Rig: INGERSOL AIR ROTARY T3W
Logged by: TOM LARSON

Top of Casing Elevation: 3407.04 ft

Surface Completion: VAULT ft

ground surface

Top of Seal at 15 ft

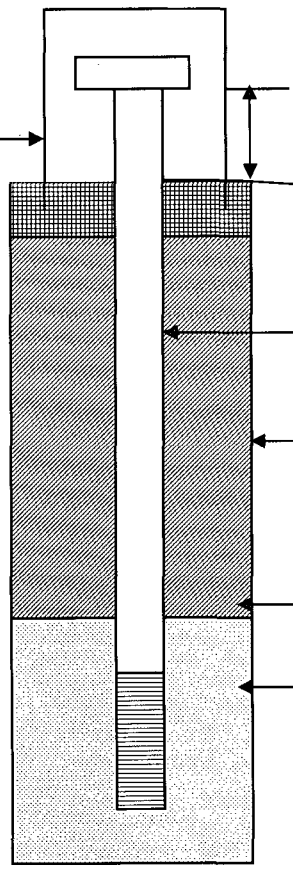
Bottom of Seal at 17 ft

Top of Screen at 19 ft

Depth to Groundwater (TOC) 34.69 ft

Bottom of screen at 54 ft

Total Well Depth (TOC) 54 ft



Stick Up: 3 ft

Surface Seal: CEMENT

Well Casing

Annulus Backfill Type: CEMENT

Seal Type: BENTONITE

Pack Type:
Sand, size 8/16 TO 17'
Gravel
Natural

Note: All dimensions are below ground surface (bgs) except where noted.

Screen Type: [X] slotted [ ] perforated other: 0.020 SLOT PVC

Screen Material: [ ] stainless steel [X] PVC other:

Screen Length: 35 feet Screen Diameter: 4 inches Screen Slot Size: 0.020 inches

Well Casing Material: PVC Well Casing Diameter: 4 inches

Development - Method: Bailed 50 gallons Hole Diameter: 8 inches

Duration/Volume: 1 hour

SOIL BORING LOG

Project: OWEN #9 ASSESSMENT
EUNICE, NEW MEXICO

No. SB-7/MW-4

Client: CHEVRON ENVIROMENTAL
MANAGEMENT COMPANY

File No.: 46121
Date: 10/24/2007
Drilling Co.: WHITE DRILLING
Supervisor: J. WHITE
Type Rig: INGERSOL AIR ROTARY T3W
Logged by: TOM LARSON

LABORATORY TEST DATA (Results Reported in mg/kg)						FIELD DATA				BORING DATA	
Benzene	Toluene	Ethyl-benzene	Xylenes	Total TPH (C6-C35)	Chlorides	Photo-Ionization Detection Reading (ppm)	Sampling	Depth (feet)	Water Level	Screen Interval	Start Time: 1230 Finish Time: 1400
											Sand: Brown, very fine grain, loose, dry
											Silty Sand: Buff, light tan, very fine grained, firm to dense, indurated with calcium carbonate (10-40%), dry
						3.6	☒	5			
0.00258	0.00711	0.00617	0.01895	26.352	24.2	(3.4)	☒	10			Sand: Light tan, very fine grained, primarly loose with <1' hard lenses, slightly damp to dry
						3.8	☒	15			
0.00206	0.00569	0.00493	0.01516	15.358	1080	(2.8)	☒	20			
											Sandstone: Light tan, light red-brown, very fine grained, hard, dry
						2.2	☒	25			Sand: Light tan, very fine grained, loose, dry at top of unit, damp at 31', saturated at 33'
0.00263	0.00726	0.00629	0.01933	410.389	217	(2.6)	☒	30	▽		
								35			
								40			

☒ Sampling Interval

Stratification is Inferred And May Not be Exact.
Soil Classification Based on Visual-Manual Procedure

▽ Water First Noted

(oval) Analyzed Sample

SOIL BORING LOG

Project: OWEN #9 ASSESSMENT
EUNICE, NEW MEXICO

Client: CHEVRON ENVIROMENTAL
MANAGEMENT COMPANY

No. SB-7/MW-4
CONT'D

File No.: 46121
Date: 10/24/2007
Drilling Co.: WHITE DRILLING
Supervisor: J. WHITE
Type Rig: INGERSOL AIR ROTARY T3W
Logged by: TOM LARSON

LABORATORY TEST DATA (Results Reported in mg/kg)					FIELD DATA				BORING DATA	
Benzene	Toluene	Ethyl-benzene	Xylenes	Total TPH (C6-C35)	Photo-Ionization Detection Reading (ppm)	Sampling	Depth (feet)	Water Level	Screen Interval	Start Time: 12:30 Finish Time: 14:00
							45			
							50			
							55			Clay: Red brown, soft, minor sand, saturated TOTAL DEPTH OF BORING = 51"
							60			
							65			
							70			
							75			
							80			

Stratification is Inferred And May Not be Exact.
Soil Classification Based on Visual-Manual Procedure

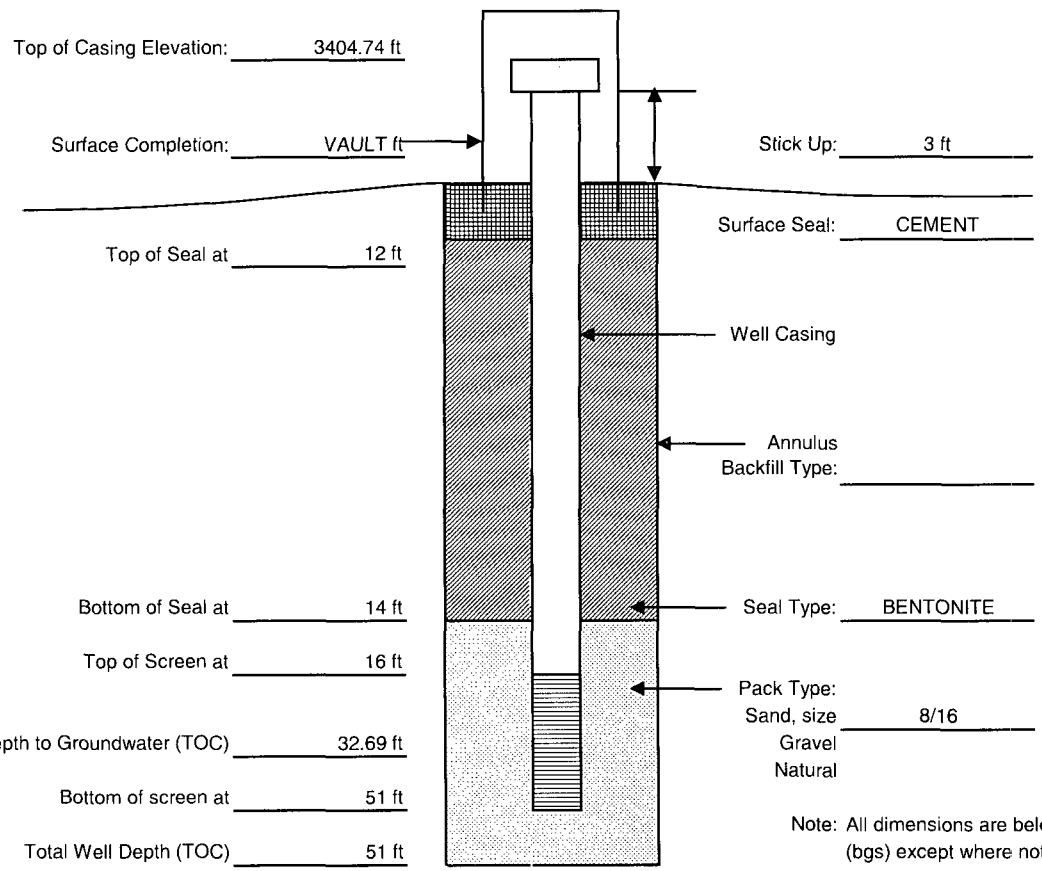
MONITORING WELL CONSTRUCTION DETAIL

Project: OWEN #9 ASSESSMENT
EUNICE, NEW MEXICO

No. SB-7/MW-4

Client: CHEVRON ENVIROMENTAL
MANAGEMENT COMPANY

File No.: 46121
Date: 10/24/2007
Drilling Co.: WHITE DRILLING
Supervisor: J. WHITE
Type Rig: INGERSOL AIR ROTARY T3W
Logged by: TOM LARSON



Screen Type: ☒ slotted ☐ perforated other:

Screen Material: ☐ stainless steel ☒ PVC other:

Screen Length: 35 feet Screen Diameter: 4 inches Screen Slot Size: 0.020 inches

Well Casing Material: PVC Well Casing Diameter: 4 inches

Development - Method: Bailed 50 gallons Hole Diameter: 8 inches

Duration/Volume: 1 hour to clean

APPENDIX D

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

1. OWNER OF WELL

Name: Chevron Environment Management Co. Work Phone: _____
Contact: Matt Hudson Home Phone: _____
Address: 1400 Smith St., HDU 140/1900-1A
City: Houston State: TX Zip: 77002

2. LOCATION OF WELL (A,B,C, or D required, E or F if known)

A. _____ 1/4 _____ 1/4 _____ 1/4 Section: 34 Township: 21S Range: 37E N.M.P.M.
in Lea County.

B. X = _____ feet, Y = _____ feet, N.M. Coordinate System
_____ Zone in the _____ Grant.
U.S.G.S. Quad Map _____

C. Latitude: 32 d 25 m 51.0 s Longitude: 103 d 08 m 44.0 s

D. East _____ (m), North _____ (m), UTM Zone 13, NAD _____ (27 or 83)

E. Tract No. _____, Map No. _____ of the _____ Hydrographic Survey

F. Lot No. _____, Block No. _____ of Unit/Tract _____ of the
_____ Subdivision recorded in _____ County.

G. Other: _____

H. Give State Engineer File Number if existing well: _____

I. On land owned by (required): William Stephens

3. DRILLING CONTRACTOR

License Number: WD-1456
Name: White Drilling Company, Inc. Work Phone: 325-893-2950
Agent: John W. White Home Phone: 325-893-2950
Mailing Address: P.O. Box 906
City: Clyde State: TX Zip: 79510

4. DRILLING RECORD: Mark Owen #9 MW/SB-1

Drilling began: 10/22/07 ; Completed: 10/22/07 ; Type tools: Air Rotary ;
Size of hole: 7 7/8 in.; Total depth of well: 51.0 ft.;
Completed well is: shallow (shallow, artesian);
Depth to water upon completion of well: 32.55 ft.

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

5. PRINCIPAL WATER-BEARING STRATA: Mark Owen #9 MW/SB-1

Depth in Feet From	Depth in Feet To	Thickness in feet	Description of water-bearing formation	Estimated Yield (GPM)
27.0	34.0	7.0	Tight packed tan sand w/sandstone	

6. RECORD OF CASING

Diameter (inches)	Pounds per ft.	Threads per in.	Depth in Feet Top	Depth in Feet Bottom	Length (feet)	Type of Shoe	Perforations From	Perforations To
4.0	Sch. 40	4.0	0.0	16.0	16.0			
4.0	Sch. 40	4.0	16.0	51.0	35.0		16.0	51.0

7. RECORD OF MUDDING AND CEMENTING

Depth in Feet From	Depth in Feet To	Hole Diameter	Sacks of mud	Cubic Feet of Cement	Method of Placement
51.0	14.0	7 7/8	26.0		8/16 Sand
14.0	12.0	7 7/8	1.0		Bentonite Pellets
12.0	0.0	7 7/8	19.0	2.7336	Cement

8. PLUGGING RECORD

Plugging Contractor: _____

Address: _____

Plugging Method: _____

Date Well Plugged: _____

Plugging approved by: _____
State Engineer Representative

No.	Depth in Feet Top	Depth in Feet Bottom	Cubic Feet of Cement
1			
2			
3			
4			
5			

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

9. LOG OF HOLE: Mark Owen #9 MW/SB-1

Depth in feet From	To	Thickness in feet	Color and Type of Material Encountered
0.0	1.0	1.0	Caliche.
1.0	4.0	3.0	Brown sand.
4.0	12.0	8.0	Hard caliche.
12.0	17.0	5.0	Tan sandy calcihe.
17.0	27.0	10.0	Tan sand moist @ 24.0.
27.0	34.0	7.0	Tight packed tan sand w/sandstone.
34.0	50.5	16.5	Tan sandy clay.
50.5	51.0	0.5	Red clay.

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

10. ADDITIONAL STATEMENTS OR EXPLANATIONS: Mark Owen #9 MW/SB-1

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

Driller _____ 12/2/07 (mm/dd/year)

==========

FOR STATE ENGINEER USE ONLY

Quad _____ ;FWL _____ ;FSL _____ ;Use _____ ;Location No. _____

File Number: _____ Trn Number: _____

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

1. OWNER OF WELL

Name: Chevron Environment Management Co. Work Phone: _____
Contact: Matt Hudson Home Phone: _____
Address: 1400 Smith St., HDU 140/1900-1A
City: Houston State: TX Zip: 77002

2. LOCATION OF WELL (A,B,C,or D required,E or F if known)

A. ____ 1/4 ____ 1/4 ____ 1/4 Section: 34 Township: 21S Range: 37E N.M.P.M.
in Lea County.

B. X = _____ feet, Y = _____ feet, N.M. Coordinate System
_____ Zone in the _____ Grant.
U.S.G.S. Quad Map _____

C. Latitude: 32 d 25 m 57.4 s Longitude: 103 d 08 m 47.2 s

D. East _____ (m), North _____ (m), UTM Zone 13, NAD _____ (27 or 83)

E. Tract No. _____, Map No. _____ of the _____ Hydrographic Survey

F. Lot No. _____, Block No. _____ of Unit/Tract _____ of the
_____ Subdivision recorded in _____ County.

G. Other: _____

H. Give State Engineer File Number if existing well: _____

I. On land owned by (required): William Stephens

3. DRILLING CONTRACTOR

License Number: WD-1456
Name: White Drilling Company, Inc. Work Phone: 325-893-2950
Agent: John W. White Home Phone: 325-893-2950
Mailing Address: P.O. Box 906
City: Clyde State: TX Zip: 79510

4. DRILLING RECORD: Mark Owen #9 SB-2

Drilling began: 10/23/07 ; Completed: 10/23/07 ; Type tools: Air Rotary ;
Size of hole: 7 7/8 in.; Total depth of well: 30.0 ft.;
Completed well is: shallow (shallow, artesian);
Depth to water upon completion of well: Dry ft.

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

5. PRINCIPAL WATER-BEARING STRATA: Mark Owen #9 SB-2

Depth in Feet From	To	Thickness in feet	Description of water-bearing formation	Estimated Yield (GPM)

6. RECORD OF CASING

Diameter (inches)	Pounds per ft.	Threads per in.	Depth in Feet Top	Bottom	Length (feet)	Type of Shoe	Perforations From	To

7. RECORD OF MUDDING AND CEMENTING

Depth in Feet From	To	Hole Diameter	Sacks of mud	Cubic Feet of Cement	Method of Placement
30.0	10.0	7 7/8	16.0		Bentonite Pellets
10.0	0.0	7 7/8	5.0	2.278	Cement

8. PLUGGING RECORD

Plugging Contractor: _____

Address: _____

Plugging Method: _____

Date Well Plugged: _____

Plugging approved by: _____
State Engineer Representative

No.	Depth in Feet Top	Bottom	Cubic Feet of Cement
1			
2			
3			
4			
5			

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

9. LOG OF HOLE: Mark Owen #9 SB-2

Depth in feet From	To	Thickness in feet	Color and Type of Material Encountered
0.0	1.0	1.0	Caliche pad.
1.0	3.0	2.0	Brown sand.
3.0	5.0	2.0	Caliche.
5.0	7.0	2.0	Hard caliche.
7.0	21.0	14.0	Tannish brown sand.
21.0	22.5	1.5	Tan hard sandstone.
22.5	30.0	7.5	Reddish brown moist sand.

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

10. ADDITIONAL STATEMENTS OR EXPLANATIONS: Mark Owen #9 SB-2

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

_____ 12/2/07
Driller (mm/dd/year)

==========

FOR STATE ENGINEER USE ONLY

Quad _____ ;FWL _____ ;FSL _____ ;Use _____ ;Location No. _____

File Number: _____ Trn Number: _____

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

1. OWNER OF WELL

Name: Chevron Environment Management Co. Work Phone: _____
Contact: Matt Hudson Home Phone: _____
Address: 1400 Smith St., HDU 140/1900-1A
City: Houston State: TX Zip: 77002

2. LOCATION OF WELL (A,B,C, or D required, E or F if known)

A. ____ 1/4 ____ 1/4 ____ 1/4 Section: 34 Township: 21S Range: 37E N.M.P.M.
in Lea County.

B. X = _____ feet, Y = _____ feet, N.M. Coordinate System
_____ Zone in the _____ Grant.
U.S.G.S. Quad Map _____

C. Latitude: 32 d 25 m 57.7 s Longitude: 103 d 08 m 48.6 s

D. East _____ (m), North _____ (m), UTM Zone 13, NAD _____ (27 or 83)

E. Tract No. _____, Map No. _____ of the _____ Hydrographic Survey

F. Lot No. _____, Block No. _____ of Unit/Tract _____ of the
_____ Subdivision recorded in _____ County.

G. Other: _____

H. Give State Engineer File Number if existing well: _____

I. On land owned by (required): William Stephens

3. DRILLING CONTRACTOR

License Number: WD-1456
Name: White Drilling Company, Inc. Work Phone: 325-893-2950
Agent: John W. White Home Phone: 325-893-2950
Mailing Address: P.O. Box 906
City: Clyde State: TX Zip: 79510

4. DRILLING RECORD: Mark Owen #9 SB-3

Drilling began: 10/23/07 ; Completed: 10/23/07 ; Type tools: Air Rotary ;
Size of hole: 7 7/8 in.; Total depth of well: 30.0 ft.;
Completed well is: shallow (shallow, artesian);
Depth to water upon completion of well: Dry ft.

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

5. PRINCIPAL WATER-BEARING STRATA: Mark Owen #9 SB-3

Depth in Feet From	To	Thickness in feet	Description of water-bearing formation	Estimated Yield (GPM)

6. RECORD OF CASING

Diameter (inches)	Pounds per ft.	Threads per in.	Depth in Feet Top	Bottom	Length (feet)	Type of Shoe	Perforations From	To

7. RECORD OF MUDDING AND CEMENTING

Depth in Feet From	To	Hole Diameter	Sacks of mud	Cubic Feet of Cement	Method of Placement
30.0	10.0	7 7/8	16.0		Bentonite Pellets
10.0	0.0	7 7/8	5.0	2.278	Cement

8. PLUGGING RECORD

Plugging Contractor: _____

Address: _____

Plugging Method: _____

Date Well Plugged: _____

Plugging approved by: _____
State Engineer Representative

No.	Depth in Feet Top	Bottom	Cubic Feet of Cement
1			
2			
3			
4			
5			

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

9. LOG OF HOLE: Mark Owen #9 SB-3

Depth in feet From	To	Thickness in feet	Color and Type of Material Encountered
0.0	1.0	1.0	Caliche pad.
1.0	1.5	0.5	Brown sand.
1.5	5.0	3.5	Hard caliche.
5.0	27.0	22.0	Tan sand.
27.0	28.5	1.5	Tan hard sandstone.
28.5	30.0	1.5	Reddish brown sand moist.

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

10. ADDITIONAL STATEMENTS OR EXPLANATIONS: Mark Owen #9 SB-3

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

_____ 12/2/07
Driller (mm/dd/year)

==========

FOR STATE ENGINEER USE ONLY

Quad _____ ;FWL _____ ;FSL _____ ;Use _____ ;Location No. _____

File Number: _____ Trn Number: _____

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

1. OWNER OF WELL

Name: Chevron Environment Management Co. Work Phone: _____
Contact: Matt Hudson Home Phone: _____
Address: 1400 Smith St., HDU 140/1900-1A
City: Houston State: TX Zip: 77002

2. LOCATION OF WELL (A,B,C,or D required,E or F if known)

A. _____ 1/4 _____ 1/4 _____ 1/4 Section: 34 Township: 21S Range: 37E N.M.P.M.
in Lea County.

B. X = _____ feet, Y = _____ feet, N.M. Coordinate System
_____ Zone in the _____ Grant.
U.S.G.S. Quad Map _____

C. Latitude: 32 d 25 m 55.5 s Longitude: 103 d 08 m 49.5 s

D. East _____ (m), North _____ (m), UTM Zone 13, NAD _____ (27 or 83)

E. Tract No. _____, Map No. _____ of the _____ Hydrographic Survey

F. Lot No. _____, Block No. _____ of Unit/Tract _____ of the
_____ Subdivision recorded in _____ County.

G. Other: _____

H. Give State Engineer File Number if existing well: _____

I. On land owned by (required): William Stephens

3. DRILLING CONTRACTOR

License Number: WD-1456
Name: White Drilling Company, Inc. Work Phone: 325-893-2950
Agent: John W. White Home Phone: 325-893-2950
Mailing Address: P.O. Box 906
City: Clyde State: TX Zip: 79510

4. DRILLING RECORD: Mark Owen #9 SB-4

Drilling began: 10/23/07 ; Completed: 10/23/07 ; Type tools: Air Rotary ;
Size of hole: 7 7/8 in.; Total depth of well: 31.0 ft.;
Completed well is: shallow (shallow, artesian);
Depth to water upon completion of well: Dry ft.

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

5. PRINCIPAL WATER-BEARING STRATA: Mark Owen #9 SB-4

Depth in Feet From	To	Thickness in feet	Description of water-bearing formation	Estimated Yield (GPM)

6. RECORD OF CASING

Diameter (inches)	Pounds per ft.	Threads per in.	Depth in Feet Top	Bottom	Length (feet)	Type of Shoe	Perforations From	To

7. RECORD OF MUDDING AND CEMENTING

Depth in Feet From	To	Hole Diameter	Sacks of mud	Cubic Feet of Cement	Method of Placement
31.0	10.0	7 7/8	16.0		Bentonite Pellets
10.0	0.0	7 7/8	5.0	2.278	Cement

8. PLUGGING RECORD

Plugging Contractor: _____

Address: _____

Plugging Method: _____

Date Well Plugged: _____

Plugging approved by: _____
State Engineer Representative

No.	Depth in Feet Top	Bottom	Cubic Feet of Cement
1			
2			
3			
4			
5			

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

9. LOG OF HOLE: Mark Owen #9 SB-4

Depth in feet From	To	Thickness in feet	Color and Type of Material Encountered
0.0	1.0	1.0	Brown sand.
1.0	5.0	4.0	Caliche.
5.0	8.0	3.0	Hard caliche.
8.0	26.0	18.0	Reddish tan sand.
26.0	30.0	4.0	Tan hard sandstone.
30.0	31.0	1.0	Reddish brown sand moist.

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

10. **ADDITIONAL STATEMENTS OR EXPLANATIONS:** Mark Owen #9 SB-4

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

Driller _____ 12/2/07 (mm/dd/year)

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FOR STATE ENGINEER USE ONLY

Quad ____ ;FWL ____ ;FSL ____ ;Use _____ ;Location No. _____

File Number: _____ Trn Number: _____

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

1. OWNER OF WELL

Name: Chevron Environment Management Co. Work Phone: _____
Contact: Matt Hudson Home Phone: _____
Address: 1400 Smith St., HDU 140/1900-1A
City: Houston State: TX Zip: 77002

2. LOCATION OF WELL (A,B,C,or D required,E or F if known)

A. ____ 1/4 ____ 1/4 ____ 1/4 Section: 34 Township: 21S Range: 37E N.M.P.M.
in Lea County.

B. X = _____ feet, Y = _____ feet, N.M. Coordinate System
_____ Zone in the _____ Grant.
U.S.G.S. Quad Map _____

C. Latitude: 32 d 25 m 58.0 s Longitude: 103 d 08 m 49.4 s

D. East _____ (m), North _____ (m), UTM Zone 13, NAD _____ (27 or 83)

E. Tract No. _____, Map No. _____ of the _____ Hydrographic Survey

F. Lot No. _____, Block No. _____ of Unit/Tract _____ of the
_____ Subdivision recorded in _____ County.

G. Other: _____

H. Give State Engineer File Number if existing well: _____

I. On land owned by (required): William Stephens

3. DRILLING CONTRACTOR

License Number: WD-1456
Name: White Drilling Company, Inc. Work Phone: 325-893-2950
Agent: John W. White Home Phone: 325-893-2950
Mailing Address: P.O. Box 906
City: Clyde State: TX Zip: 79510

4. DRILLING RECORD: Mark Owen #9 MW-2/SB-5

Drilling began: 10/23/07 ; Completed: 10/24/07 ; Type tools: Air Rotary ;
Size of hole: 7 7/8 in.; Total depth of well: 57.0 ft.;
Completed well is: shallow (shallow, artesian);
Depth to water upon completion of well: 36.18 ft.

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

5. PRINCIPAL WATER-BEARING STRATA: Mark Owen #9 MW-2/SB-5

Depth in Feet From	Depth in Feet To	Thickness in feet	Description of water-bearing formation	Estimated Yield (GPM)
33.0	37.0	4.0	Reddish brown sand.	

6. RECORD OF CASING

Diameter (inches)	Pounds per ft.	Threads per in.	Depth in Feet Top	Depth in Feet Bottom	Length (feet)	Type of Shoe	Perforations From	Perforations To
4.0	Sch. 40	4.0	0.0	22.0	22.0			
4.0	Sch. 40	4.0	22.0	57.0	35.0			

7. RECORD OF MUDDING AND CEMENTING

Depth in Feet From	Depth in Feet To	Hole Diameter	Sacks of mud	Cubic Feet of Cement	Method of Placement
57.0	20.0	7 7/8	30.0		8/16 sand
20.0	18.0	7 7/8	2.0		Bentonite Pellets
18.0	0.0	7 7/8	27.0	4.1004	Cement

8. PLUGGING RECORD

Plugging Contractor: _____

Address: _____

Plugging Method: _____

Date Well Plugged: _____

Plugging approved by: _____
State Engineer Representative

No.	Depth in Feet Top	Depth in Feet Bottom	Cubic Feet of Cement
1			
2			
3			
4			
5			

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

9. LOG OF HOLE: Mark Owen #9 MW-2/SB-5

Depth in feet From	To	Thickness in feet	Color and Type of Material Encountered
0.0	2.0	2.0	Brown sand.
2.0	7.0	5.0	Caliche.
7.0	8.0	1.0	Tan sand.
8.0	9.0	1.0	Tan sandstone.
9.0	12.0	3.0	Tan sand.
12.0	29.0	17.0	Reddish tan sand.
29.0	33.0	4.0	Tan hard sandstone.
33.0	37.0	4.0	Reddish brown sand wet.
37.0	37.5	0.5	Tan sandstone.
37.5	56.5	19.0	Reddish brown sand.
56.5	57.0	0.5	Red clay.

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

10. ADDITIONAL STATEMENTS OR EXPLANATIONS: Mark Owen #9 MW-2/SB-5

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

Driller

12/2/07
(mm/dd/year)

==========

FOR STATE ENGINEER USE ONLY

Quad _____ ;FWL _____ ;FSL _____ ;Use _____ ;Location No. _____

File Number: _____ Trn Number: _____

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

1. OWNER OF WELL

Name: Chevron Environment Management Co. Work Phone: _____
Contact: Matt Hudson Home Phone: _____
Address: 1400 Smith St., HDU 140/1900-1A
City: Houston State: TX Zip: 77002

2. LOCATION OF WELL (A,B,C,or D required,E or F if known)

A. ____ 1/4 ____ 1/4 ____ 1/4 Section: 34 Township: 21S Range: 37E N.M.P.M.
in Lea County.

B. X = _____ feet, Y = _____ feet, N.M. Coordinate System
_____ Zone in the _____ Grant.
U.S.G.S. Quad Map _____

C. Latitude: 32 d 25 m 58.8 s Longitude: 103 d 08 m 49.0 s

D. East _____ (m), North _____ (m), UTM Zone 13, NAD _____ (27 or 83)

E. Tract No. _____, Map No. _____ of the _____ Hydrographic Survey

F. Lot No. _____, Block No. _____ of Unit/Tract _____ of the
_____ Subdivision recorded in _____ County.

G. Other: _____

H. Give State Engineer File Number if existing well: _____

I. On land owned by (required): William Stephens

3. DRILLING CONTRACTOR

License Number: WD-1456
Name: White Drilling Company, Inc. Work Phone: 325-893-2950
Agent: John W. White Home Phone: 325-893-2950
Mailing Address: P.O. Box 906
City: Clyde State: TX Zip: 79510

4. DRILLING RECORD: Mark Owen #9 MW-3/SB-6

Drilling began: 10/24/07 ; Completed: 10/24/07 ; Type tools: Air Rotary ;
Size of hole: 7 7/8 in.; Total depth of well: 54.0 ft.;
Completed well is: shallow (shallow, artesian);
Depth to water upon completion of well: 34.67 ft.

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

5. PRINCIPAL WATER-BEARING STRATA: Mark Owen #9 MW-3/SB-6

Depth in Feet From	To	Thickness in feet	Description of water-bearing formation	Estimated Yield (GPM)
34.5	54.0	19.5	Reddish brown sand.	

6. RECORD OF CASING

Diameter (inches)	Pounds per ft.	Threads per in.	Depth in Feet Top	Bottom	Length (feet)	Type of Shoe	Perforations From	To
4.0	Sch. 40	4.0	0.0	19.0	19.0			
4.0	Sch. 40	4.0	19.0	54.0	35.0			

7. RECORD OF MUDDING AND CEMENTING

Depth in Feet From	To	Hole Diameter	Sacks of mud	Cubic Feet of Cement	Method of Placement
54.0	17.0	7 7/8	25.0		8/16 sand
17.0	15.0	7 7/8	4.0		Bentonite Pellets
15.0	0.0	7 7/8	22.0	3.417	Cement

8. PLUGGING RECORD

Plugging Contractor: _____

Address: _____

Plugging Method: _____

Date Well Plugged: _____

Plugging approved by: _____
State Engineer Representative

No.	Depth in Feet Top	Bottom	Cubic Feet of Cement
1			
2			
3			
4			
5			

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

9. LOG OF HOLE: Mark Owen #9 MW-3/SB-6

Depth in feet From	To	Thickness in feet	Color and Type of Material Encountered
0.0	1.0	1.0	Brown sand.
1.0	8.0	7.0	Caliche.
8.0	10.0	2.0	Hard caliche.
10.0	27.0	17.0	Tan sand.
27.0	31.0	4.0	Tan sandstone.
31.0	34.0	3.0	Reddish brown moist sand.
34.0	34.5	0.5	Tan sandstone.
34.5	54.0	19.5	Reddish brown sand.
54.0			Red clay.

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

10. ADDITIONAL STATEMENTS OR EXPLANATIONS: Mark Owen #9 MW-3/SB-6

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

Driller

12/2/07
(mm/dd/year)

==========

FOR STATE ENGINEER USE ONLY

Quad _____ ;FWL _____ ;FSL _____ ;Use _____ ;Location No. _____

File Number: _____ Trn Number: _____

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

1. OWNER OF WELL

Name: Chevron Environment Management Co. Work Phone: _____
Contact: Matt Hudson Home Phone: _____
Address: 1400 Smith St., HDU 140/1900-1A
City: Houston State: TX Zip: 77002

2. LOCATION OF WELL (A,B,C, or D required, E or F if known)

A. ____ 1/4 ____ 1/4 ____ 1/4 Section: 34 Township: 21S Range: 37E N.M.P.M.
in Lea County.

B. X = _____ feet, Y = _____ feet, N.M. Coordinate System
_____ Zone in the _____ Grant.
U.S.G.S. Quad Map _____

C. Latitude: 32 d 25 m 58.9 s Longitude: 103 d 08 m 47.8 s

D. East _____ (m), North _____ (m), UTM Zone 13, NAD _____ (27 or 83)

E. Tract No. _____, Map No. _____ of the _____ Hydrographic Survey

F. Lot No. _____, Block No. _____ of Unit/Tract _____ of the
_____ Subdivision recorded in _____ County.

G. Other: _____

H. Give State Engineer File Number if existing well: _____

I. On land owned by (required): William Stephens

3. DRILLING CONTRACTOR

License Number: WD-1456
Name: White Drilling Company, Inc. Work Phone: 325-893-2950
Agent: John W. White Home Phone: 325-893-2950
Mailing Address: P.O. Box 906
City: Clyde State: TX Zip: 79510

4. DRILLING RECORD: Mark Owen #9 MW-4/SB-7

Drilling began: 10/24/07 ; Completed: 10/24/07 ; Type tools: Air Rotary ;
Size of hole: 7 7/8 in.; Total depth of well: 51.0 ft.;
Completed well is: shallow (shallow, artesian);
Depth to water upon completion of well: 32.7 ft.

File Number: _____ Trn Number: _____

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

5. PRINCIPAL WATER-BEARING STRATA: Mark Owen #9 MW-4/SB-7

Depth in Feet From	Depth in Feet To	Thickness in feet	Description of water-bearing formation	Estimated Yield (GPM)
32.7	51.0	18.3	Reddish brown sand.	

6. RECORD OF CASING

Diameter (inches)	Pounds per ft.	Threads per in.	Depth in Feet Top	Depth in Feet Bottom	Length (feet)	Type of Shoe	Perforations From	Perforations To
4.0	Sch. 40	4.0	0.0	16.0	16.0			
4.0	Sch. 40	4.0	16.0	51.0	35.0			

7. RECORD OF MUDDING AND CEMENTING

Depth in Feet From	Depth in Feet To	Hole Diameter	Sacks of mud	Cubic Feet of Cement	Method of Placement
51.0	14.0	7 7/8	25.0		8/16 sand
14.0	12.0	7 7/8	2.0		Bentonite Pellets
12.0	0.0	7 7/8	19.0	2.7336	Cement

8. PLUGGING RECORD

Plugging Contractor: _____

Address: _____

Plugging Method: _____

Date Well Plugged: _____

Plugging approved by: _____
State Engineer Representative

No.	Depth in Feet Top	Depth in Feet Bottom	Cubic Feet of Cement
1			
2			
3			
4			
5			

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

9. LOG OF HOLE: Mark Owen #9 MW-4/SB-7

Depth in feet From	To	Thickness in feet	Color and Type of Material Encountered
0.0	1.0	1.0	Brown sand.
1.0	7.0	6.0	Sandy caliche.
7.0	7.5	0.5	Hard caliche.
7.5	21.0	13.5	Tannish brown sand.
21.0	23.5	2.5	Tan hard sandstone.
23.5	51.0	27.5	Reddish brown sand.
51.0			Red clay.

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

10. **ADDITIONAL STATEMENTS OR EXPLANATIONS:** Mark Owen #9 MW-4/SB-7

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

_____ 12/2/07
Driller (mm/dd/year)

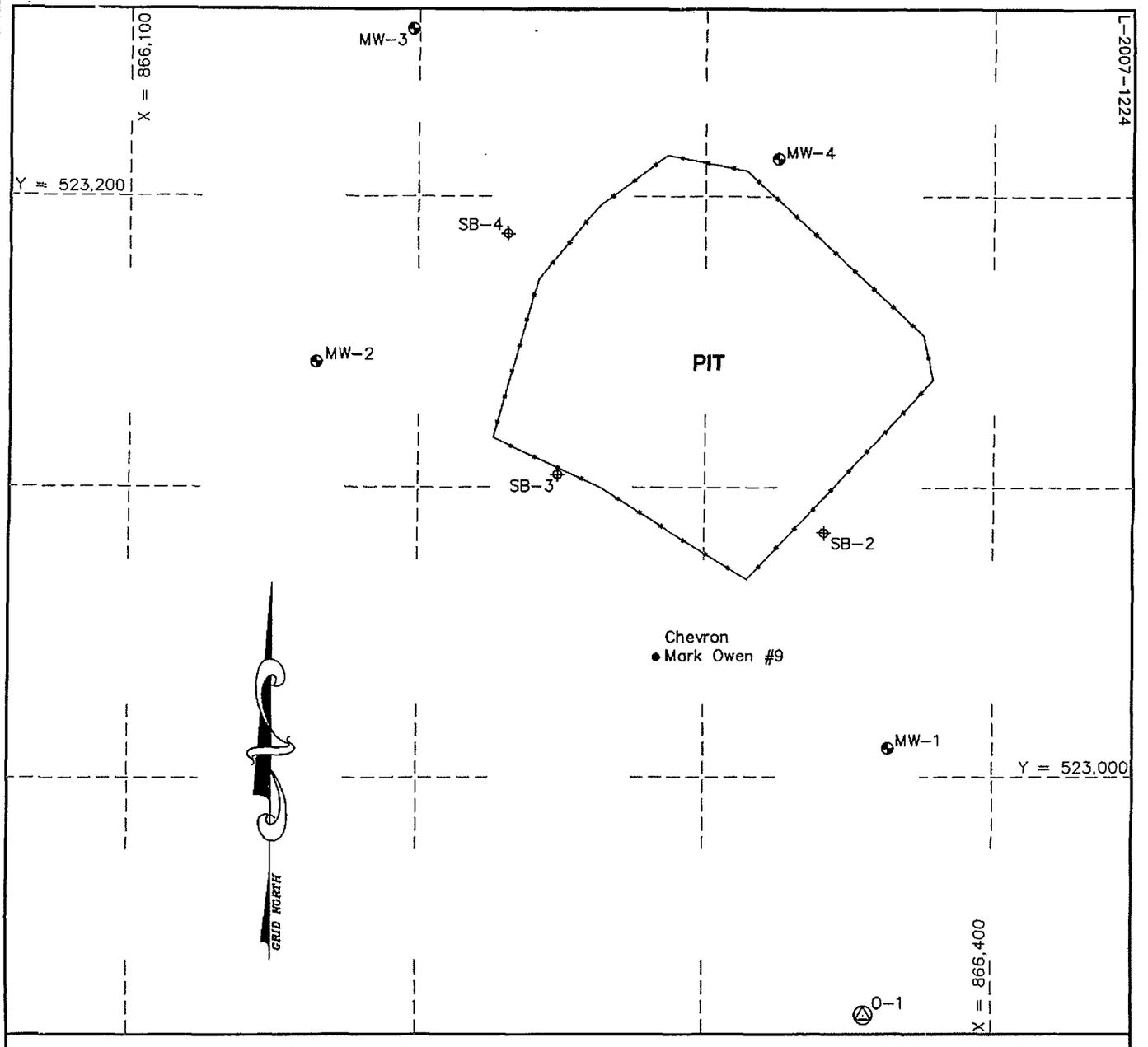
==========

FOR STATE ENGINEER USE ONLY

Quad _____ ;FWL _____ ;FSL _____ ;Use _____ ;Location No. _____

File Number: _____ Trn Number: _____

APPENDIX E



DESCRIPTION	NORTHING (Y)	EASTING (X)	LATITUDE	LONGITUDE	ELEVATION TOP OF CASING	ELEVATION CONCRETE PAD	ELEVATION NATURAL GROUND
MW-1	523,010.0	866,363.8	32°25'56.17" N	103°08'45.33" W	3,403.68	3,401.18	3,400.9
MW-2	523,142.9	866,164.8	32°25'57.51" N	103°08'47.64" W	3,408.23	3,405.66	3,405.5
MW-3	523,257.6	866,197.8	32°25'58.64" N	103°08'47.24" W	3,407.04	3,404.51	3,404.0
MW-4	523,213.0	866,325.2	32°25'58.19" N	103°08'45.76" W	3,404.74	3,401.94	3,401.5
SB-2	523,084.4	866,341.3	32°25'56.91" N	103°08'45.59" W			3,400.6
SB-3	523,104.3	866,248.6	32°25'57.12" N	103°08'46.67" W			3,401.5
SB-4	523,187.0	866,231.1	32°25'57.94" N	103°08'46.86" W			3,403.2
O-1	522,918.4	866,355.8	32°25'55.27" N	103°08'45.44" W			3,400.0

Date Surveyed: December 3, 2007
Weather: Cool & Breezy

NOTE:

1) Plane Coordinates shown hereon are Transverse Mercator Grid and Conform to the "New Mexico Coordinate System", New Mexico East Zone, North American Datum of 1927.

2) Elevations shown hereon reference the National Geodetic Vertical Datum of 1929.

3) Geodetic Coordinates shown hereon references the North American Datum of 1927, (Clarke Spheroid of 1866). Reference Stations – "ODESSA RRP2" – CORS (DF5393), "ROSWELL" – and "ROSWELL" – CORS (DG6517) and "LUBBOCK RRP2" – CORS (DF5391).

LEGEND

- ● – Denotes Producing Well Location
- ◉ – Denotes Monitor Well
- ⊕ – Denotes Soil Bore Location
- △ – Denotes Static GPS Control Station
- ——— – Denotes Fence Line

50 0 50 100

Graphic Scale in Feet

I HEREBY CERTIFY THAT THIS PLAT WAS MADE FROM NOTES TAKEN IN THE FIELD IN A BONA FIDE SURVEY MADE UNDER MY SUPERVISION.

NEW MEXICO 12185 REGISTERED PROFESSIONAL SURVEYOR

MACON McDONALD NEW MEXICO P.L.S. No. 12185

WEST COMPANY
of Midland, Inc.
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MIDLAND TEXAS, 79701
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CONESTOGA-ROVERS & ASSOCIATES

Topographic Survey of

MONITOR WELLS AND SOIL BORE LOCATIONS

Located Around the
Chevron Mark Owen #9 Reserve Pit
Section 34, T-21-S, R-37-E, N.M.P.M.
Lea County, New Mexico

Drawn By: LVA	Date: December 10, 2007
Scale: 1"=50'	Field Book: 376 / 25-28
Revision Date:	Quadrangles: Eunice
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