Page 1 of 236

Incident ID	
District RP	1RP-1295
Facility ID	
Application ID	

# **Site Assessment/Characterization**

This information must be provided to the appropriate district office no taler than 20 days after the release discovery date.					
What is the shallowest depth to groundwater beneath the area affected by the release?	73.64 (ft bgs)				
Did this release impact groundwater or surface water?	Yes X No				
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	Yes X No				
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	Yes X No				
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	Yes X No				
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	Yes X No				
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	X Yes No				
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	Yes X No				
Are the lateral extents of the release within 300 feet of a wetland?	Yes X No				
Are the lateral extents of the release overlying a subsurface mine?	Yes X No				
Are the lateral extents of the release overlying an unstable area such as karst geology?	Yes X No				
Are the lateral extents of the release within a 100-year floodplain?	Yes X No				
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	Yes X No				
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.					
Characteristics Depart Charlest Fact of the Charlest State of the					

#### Characterization Report Checklist: Each of the following items must be included in the report.

- X Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- x Field data
- X Data table of soil contaminant concentration data
- x Depth to water determination
- ▼ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- X Boring or excavation logs
- X Photographs including date and GIS information
- Topographic/Aerial maps
- X Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

Received by OCD: 4/29/2020 12:00:06 AM State of New Mexico
Page 4 Oil Conservation Division

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Incident ID	
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I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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.			
Printed Name: Amy Barnhill	Title: Waste and Water Specialist		
Signature: Date: 4/23/2020			
email: ABarnhill@chevron.com	Telephone: 432-687-7108		
OCD Only			
Received by:	Date:		

Page 3 of 236

Incident ID		
District RP	1RP-1295	
Facility ID		
Application ID		

# **Remediation Plan**

Remediation Plan Checklist: Each of the following items must be	included in the plan.
<ul> <li>X Detailed description of proposed remediation technique</li> <li>X Scaled sitemap with GPS coordinates showing delineation points</li> <li>X Estimated volume of material to be remediated</li> <li>X Closure criteria is to Table 1 specifications subject to 19.15.29.12</li> <li>X Proposed schedule for remediation (note if remediation plan time</li> </ul>	
Deferral Requests Only: Each of the following items must be conf	irmed as part of any request for deferral of remediation
Contamination must be in areas immediately under or around prodeconstruction.  Extents of contamination must be fully delineated.	
Contamination does not cause an imminent risk to human health,	the environment, or groundwater.
I hereby certify that the information given above is true and complete rules and regulations all operators are required to report and/or file ce which may endanger public health or the environment. The acceptan liability should their operations have failed to adequately investigate surface water, human health or the environment. In addition, OCD ac responsibility for compliance with any other federal, state, or local law	rtain release notifications and perform corrective actions for releases ce of a C-141 report by the OCD does not relieve the operator of and remediate contamination that pose a threat to groundwater, eceptance of a C-141 report does not relieve the operator of
Printed Name: Amy Barnhill	Title: Waste and Water Specialist
Signature: Signature:	Date: 4/23/2020
email: ABarnhill@chevron.com	Telephone: 432-687-7108
	•
OCD Only	
Received by:	Date:
Approved	pproval
Signature: I	Date:

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Incident ID nPAC0800935966

District RP 1RP-1295

Facility ID Application ID

# Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: Each of the following its	ems must be included in the closure report.
X A scaled site and sampling diagram as described in 19.15.29.1	1 NMAC
X Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	of the liner integrity if applicable (Note: appropriate OCD District office
X Laboratory analyses of final sampling (Note: appropriate ODC	District office must be notified 2 days prior to final sampling)
X Description of remediation activities	
may endanger public health or the environment. The acceptance of a should their operations have failed to adequately investigate and remuman health or the environment. In addition, OCD acceptance of a compliance with any other federal, state, or local laws and/or regulat restore, reclaim, and re-vegetate the impacted surface area to the confaccordance with 19.15.29.13 NMAC including notification to the Oceprinted Name: Amy Barnhill  Signature:	nediate contamination that pose a threat to groundwater, surface water, a C-141 report does not relieve the operator of responsibility for tions. The responsible party acknowledges they must substantially notitions that existed prior to the release or their final land use in CD when reclamation and re-vegetation are complete.  Title: Waste and Water Specialist  Date: 4/23/2020
email: ABarnhill@chevron.com	Telephone: <u>432-687-7108</u>
OCD Only	
Received by:	Date:
remediate contamination that poses a threat to groundwater, surface we party of compliance with any other federal, state, or local laws and/o	
Closure Approved by: Bradford Billings	Date: 09/24/2021
Printed Name: Bradford Billings	Title: Envi.Spec.A

# 1RP-1295 Delineation Report and Closure Request Brunson Argo Battery #1 Crude Oil and Produced Water Release

Lea County, New Mexico

Latitude: N 32.41011° Longitude: W 103.15870°

LAI Project No. 19-0148-01

April 23, 2020

Prepared for: Chevron USA Inc. 6301 Deauville Blvd. Midland, Texas 79706

Prepared by: Larson & Associates, Inc. 507 North Marienfeld Street, Suite 205 Midland, Texas 79701

Mark J. Larson, P.G.

Certified Professional Geologist #10490

Rachel E. Owen Sr. Geoscientist This Page Intentionally Left Blank

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Figure 2 Aerial Map Showing Spill Area and Soil Sample Locations

# **Appendices**

Appendix A Initial C-141

Appendix B Environmental Plus, Inc. Reports
Appendix C Regulatory Communications

Appendix D Laboratory Reports
Appendix E Soil Boring Logs
Appendix F Photographs

1RP-1295
Delineation Report and Remediation Plan
Chevron USA, Inc., Brunson Argo 1
Crude Oil and Produced Water Release
April 23, 2020

# 1.0 INTRODUCTION

Larson & Associates, Inc. (LAI), has prepared this delineation report and closure request on behalf of Chevron USA Inc. (Chevron) for submittal to the New Mexico Oil Conservation Division (OCD) District 1 for a crude oil and produced water release at the Brunson Argo Battery #1 (Site) located in Unit D (NW/4, NW/4), Section 10, Township 22 South, Range 37 East in Lea County New Mexico. The geodetic position is North 32.41011° and West -103.15870°. Figure 1 presents a topographic map. Figure 2 presents an aerial map.

# 1.1 Background

The release is historical and resulted from the decommissioned tank battery. The spill volume was unknown. The initial C-141 was submitted on April 25, 2007 and was assigned remediation permit (RP) number 1RP-1295. Appendix A presents the Initial C-141.

Between April 25 and 26, 2007, personnel from Environmental Plus, Inc. (EPI) collected soil samples inside the battery containment (SB1-1 through SB1-4) for vertical delineation. Additional samples were taken east and north of the containment (SB1-5 and SB1-6) for horizontal delineation. The soil samples were collected using a hollow stem auger rig at 2 foot increments to five (5) feet below ground surface (bgs) and every 5 feet bgs to 30 feet bgs. The Samples were delivered to the Environmental Lab of Texas in Odessa, Texas and analyzed for benzene, toluene, ethylbenzene and xylenes (BTEX) and total petroleum hydrocarbons (TPH), including gasoline range organics (C6-C12), diesel range organics (>C12-C28) and oil range organics (>C28-C35) by EPA SW-846 Methods 8021B and 8015M, respectively, and chloride by EPA Method 300.

Benzene, BTEX, and chloride were reported below OCD remediation levels of 10 mg/Kg, 50 mg/Kg, and 600 mg/Kg, respectively. TPH was reported above the OCD remediation limit of 100 mg/Kg in the following samples:

SB1-1, 2' (1,220 mg/Kg)	SB1-4, 15' (735 mg/Kg)
SB1-1, 5' (2,640 mg/Kg)	SB1-5, 2' (42,300 mg/Kg)
SB1-2, 2' (160 mg/Kg)	SB1-5, 5' (1,840 mg/Kg)
SB1-2, 5' (764 mg/Kg)	SB1-5, 10' (4,850 mg/Kg)
SB1-4, 10' (1,090 mg/Kg)	

EPI submitted the delineation data to OCD on December 20, 2007, in a report titled, "Remediation Proposal". On January 9, 2008, OCD requested that SB1-4 be sampled deeper to complete delineation of TPH to 100 mg/Kg in order to approve the work plan.

Between December 26, 2007 and January 23, 2008, EPI removed approximately 6,137 cubic yards of soil from the contaminated area. The soil was taken to both Sundance Services, Inc., located east of Eunice, New Mexico and to the EPI Land Farm located south of Eunice, New Mexico. EPI backfilled the excavations, seeded the area, and requested no further action in "Closure Report" submitted to OCD on February 13, 2008. On January 9, 2020, OCD denied closure because TPH was not delineated below 100 mg/Kg and the TPH concentration in the excavation bottom samples exceeded 100 mg/Kg. OCD requested Chevron to complete TPH delineation by installing two (2) additional soil bores within the

1RP-1295
Delineation Report and Remediation Plan
Chevron USA, Inc., Brunson Argo 1
Crude Oil and Produced Water Release
April 23, 2020

twenty (20) feet excavation area and the fifteen (15) feet excavation area to vertically delineate TPH to 100 mg/Kg. Appendix B presents the EPI reports. Appendix C presents OCD regulatory communications.

# 1.2 Physical Setting

The physical setting is as follows:

- The surface elevation is approximately 3,412 feet above mean sea level (msl);
- The surface topography gradually decreases to the southeast;
- There is no surface water present within 1,000 feet of the site;
- According to the United States Geological Survey (USGS) database, a water supply well (USGS#5) is present within 1,000 feet of the site (1976);
- The soils are designated as "Berino-Cacique loamy fine sands associates", consisting of 0 to 6 inches of loamy fine sand, underlain by 6 to 60 inches of sandy clay loam;
- The geology consists of interlayered eolian sands and piedmont-slope deposits (Holocene to middle Pleistocene);
- Groundwater occurs at approximately 73.64 feet below ground surface (bgs) based on depth to groundwater measurements 72 hours after installing a temporary monitor well (BH-1) on March 3, 2020.

#### 1.3 Remediation Action Levels

The following remediation standards are based on closure criteria for soils impacted by a release as presented in Table 1 of 19.15.29 NMAC:

Benzene 10 mg/Kg
 BTEX 50 mg/Kg
 TPH 100 mg/Kg
 Chloride 600 mg/Kg

Further, 19.15.29.13 NMAC (Restoration, Reclamation and Re-Vegetation) requires the operator to restore the impacted surface area that existed prior to the release or their final land use.

#### 2.0 DELINEATION

On March 5, 2020, Scarborough Drilling, Inc. (SDI), under LAI supervision, used an air rotary drilling rig to drill a boring for depth to groundwater determination. The boring (BH-1) was drilled in an undisturbed area about 1,300 feet west of the Site to approximately 93 feet bgs. The boring was gauged with an electronic water level meter about 72 hours after drilling and groundwater was recorded at 73.64 feet bgs. The boring was plugged with bentonite.

SDI installed two (2) additional soil bores in the fifteen (15) feet excavation (B-1) and twenty (20) feet excavation (B-2). Soil samples were collected at 5 feet intervals to forty (40) feet bgs. The soil samples were delivered under chain of custody and preservation to Xenco Laboratories in Midland, Texas. The laboratory analyzed the samples for TPH, including gasoline range organics (C6-C12), diesel range organics (>C12-C28) and oil range organics (>C28-C35) by EPA SW-846 Method 8015M. The laboratory reported TPH below the delineation limit of 100 mg/Kg in all samples. Table 1 presents the soil sample

1RP-1295 Delineation Report and Remediation Plan Chevron USA, Inc., Brunson Argo 1 Crude Oil and Produced Water Release April 23, 2020

analytical data summary. Figure 2a presents an aerial map showing the delineation soil sample locations. Appendix C presents the boring logs. Appendix D presents the laboratory reports.

# 3.0 CLOSURE REQUEST

Chevron completed vertical delineation of TPH below 100 mg/Kg in both deep excavations. Chevron also demonstrated that groundwater is present at 73.64 feet bgs. Chevron respectfully requests no further action for 1RP-1295.

**Tables** 

Table 1
Soil Sample Analytical Data Summary
Chevron USA, Brunson Argo Battery #1
Lea County, New Mexico
North 32.41011°, West 103.15870°

Page 1 of 1

Sample	Depth	Collection	Status	C6 - C12	C12 - C28	C28 - C35	TPH
	(Feet)	Date		(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
Remediation	Level:						100
B-1	0	3/5/2020	In-Situ	<49.9	<49.9	<49.9	<49.9
	5	3/5/2020	In-Situ	<50.0	<50.0	<50.0	<50.0
	10	3/5/2020	In-Situ	<50.0	<50.0	<50.0	<50.0
	15	3/5/2020	In-Situ	<49.9	<49.9	<49.9	<49.9
	20	3/5/2020	In-Situ	<50.0	<50.0	<50.0	<50.0
	25	3/5/2020	In-Situ	<50.0	<50.0	<50.0	<50.0
	30	3/5/2020	In-Situ	<49.9	<49.9	<49.9	<49.9
	35	3/5/2020	In-Situ	<49.9	<49.9	<49.9	<49.9
	40	3/5/2020	In-Situ	<49.8	<49.8	<49.8	<49.8
B-2	0	3/5/2020	In-Situ	<50.0	<50.0	<50.0	<50.0
	5	3/5/2020	In-Situ	<50.0	<50.0	<50.0	<50.0
	10	3/5/2020	In-Situ	<50.0	<50.0	<50.0	<50.0
	15	3/5/2020	In-Situ	<49.9	<49.9	<49.9	<49.9
	20	3/5/2020	In-Situ	<49.9	<49.9	<49.9	<49.9
	25	3/5/2020	In-Situ	<49.8	<49.8	<49.8	<49.8
	30	3/5/2020	In-Situ	<50.0	<50.0	<50.0	<50.0
	35	3/5/2020	In-Situ	<50.0	<50.0	<50.0	<50.0
	40	3/5/2020	In-Situ	<49.9	<49.9	<49.9	<49.9
		Xenco Laborat					

Notes: Analysis performed by Xenco Laboratories

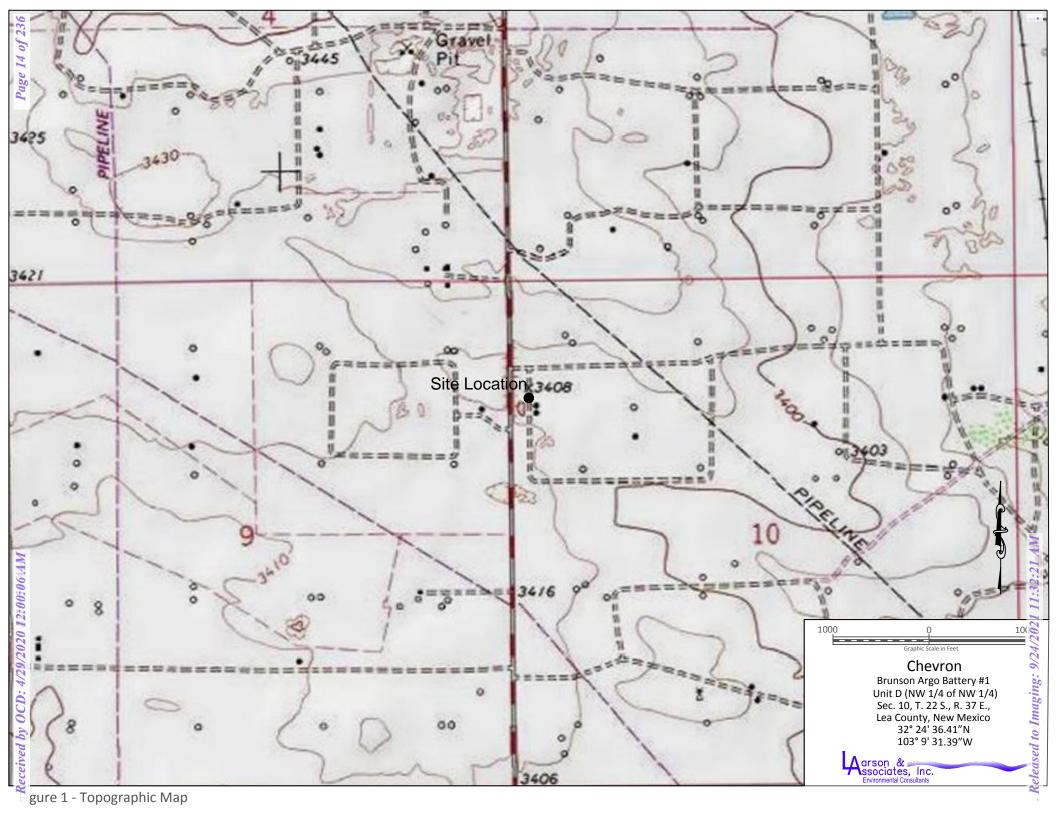
Depth in feet below ground surface (bgs)

mg/Kg: milligrams per kilogram equivalent to parts per million (ppm)

<: denotes concentration less than analytical method reporting limit

**Bold and Highlighted exceeds OCD remediation action limits** 

**Figures** 



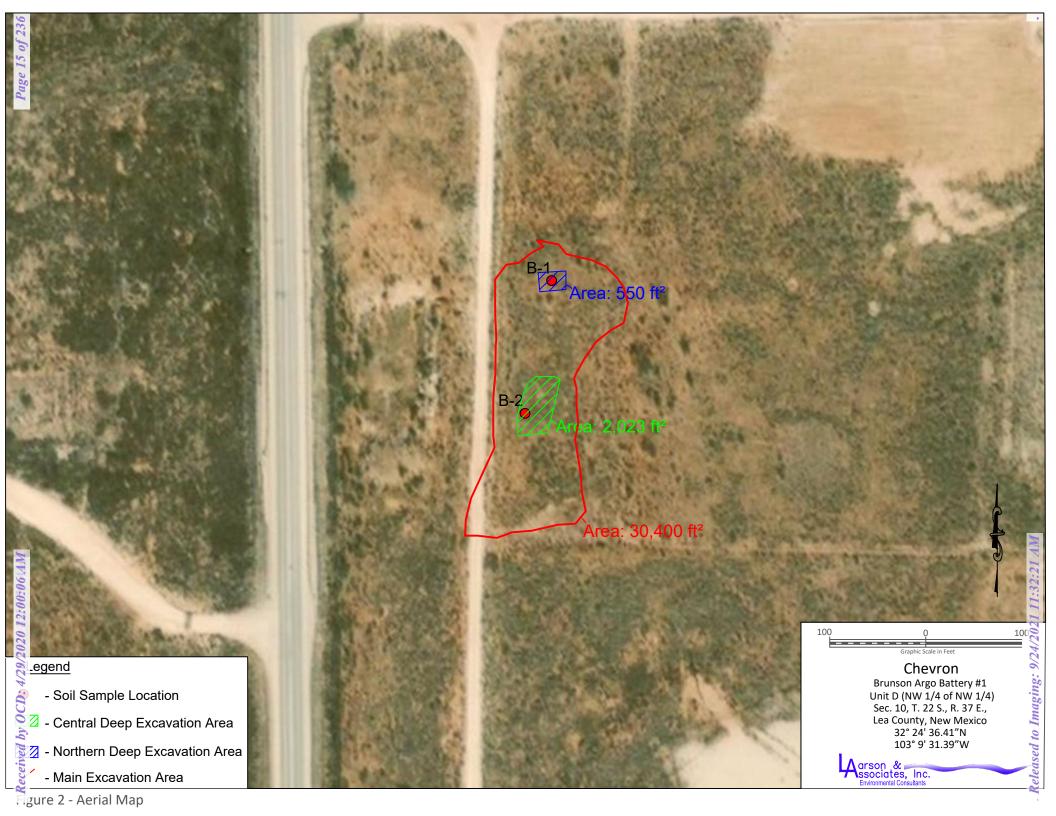




Figure 2a - Aerial Map Showing Soil Boring Location

Appendix A

Initial C-141

	hevron	Incident D	)ate•	NMOCD Not	ified:	
		Historical	aic.	Historical	ancu.	
		Historical		11150011041		
	tion and Metrics					
	Argo Tank Battery #1		Assigned Site	Reference : EPI	Reference #200129	
Company: C	hevron USA					
Street Address	<b>24</b> 01 Avenue O					
Mailing Addre	ess: P.O. Box 1949					
City, State, Zip	<b>Eunice</b> , New Mexico	88231				
Representative	e: Bill A. Anderson					
Representative	<b>Telephone:</b> (575) 394-	-1237				
	75) 441-5438 (Cell)					
Fluid volume r	released (bbls): Historical	l	Recove	ered (bbls): His	storical	
	>25 bbls: Notify NM(	OCD verbally w	vithin 24 hrs and s	submit form C-14	41 within 15 days.	
			orized releases >5			
5-25 b	bls: Submit form C-141 wi	thin 15 days (A	lso applies to una	uthorized release	es of 50-500 mcf Natural Gas)	
	Pit (LSP) Name: Brunso					
Source of conta	amination: Tank Battery		•			
Land Owner, i	.e., BLM, ST, Fee, Other	: Priscilla Bru	inson Moody (c/o	Charles James	Moody)	
	ns: 142 feet by 51.4 feet		•		•	
LSP Area: ~7.						
Location of Re	eference Point (RP):					
	nce and direction from R	P:				
Latitude: N 3						
	7 103° 09' 31.39"					
	ve mean sea level: 3,408	feet				
	th Section Line:					
	t Section Line:					
	or 1/41/4: NW1/4 of the NV	W1/4	Unit Lette	er: D		
Location- Sect		,.				
Location- Tow						
Location- Range	•					
Location Itali	50.1072					
Surface water	body within 1000 ' radiu	s of site zero	(0)			
	r wells within 1000' radi					
	rater wells within 1000' rater					
	upply wells within 1000'r					
	nd surface to groundwate					
	C		icci			
Depth of contamination (DC): unknown  Depth to groundwater (DG – DC = DtGW): unknown						
	Groundwater		ellhead Protection	n Araa	3. Distance to Surface Water Body	
	<pre>5 continuater 7 &lt; 50 feet: 20 points</pre>		m water source,		<200 horizontal feet: 20 points	
	50 to 99 feet: 10 points		stic water source		200-1000 horizontal feet: <i>10 points</i>	
II Depui to GW	30 to 33 feet. 10 points	•		•	200-1000 nonzoniai feet. 10 points	
If Depth to GW >100 feet: 0 points  If >1000' from water source, or; >200' from private domestic water source: 0 points  >1000 horizontal feet: 0 points						
Site Rank $(1+2+3) = 10 + 20 + 0 = 30$						
		te Ranking Sc	ore and Accepta	able Concentra	tions	
Parameter	>19		10-19		0-9	
Benzene <sup>1</sup>	10 ppm			10 ppm		
BTEX <sup>1</sup>	50 ppm		50 ppm		50 ppm	
TPH	100 ppm	1,000 ppm 5,000 ppm				
100 ppm field VOC headspace measurement may be substituted for lab analysis						

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W Grand Avenuc, 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 -			R Initial Report Final Repor						
Name of Company: Chevron North Ame	•	Contact: Bill A. Anderson							
Address: P.O. Box 1949, Eunice, NM 88231			<b>Telephone No.:</b> (505) 394-1237						
Facility Name: Brunson Argo Tank Battery #1			Facility Type: Decommissioned Tank Battery						
Surface Owner: Ms. Patricia Brunson   Mineral Own			er:		API No	API No.:			
Moody (c/o Charles James Moody)	3								
Unit Letter   Section   Township   Range   Feet from the   North/South Line   Feet from the   East/West Line   County									
Unit Letter Section Township Range Fee 10 22S 37E	t from the	HOF	in/South Line	reet from the	East/West L	me	County Lea		
Latitude: N32°	24' 36.41'	" L	ongitude: W	103° 09' 31.3	9"				
			RELEASE						
Type of Release: Historical			Volume of Re			ecovered:			
Source of Release: Historical releases from decommiss	sioned Tank		Date and Hou		Hour of Di	scovery:			
Was Immediate Notice Given?			N/A						
☐ Yes ☐ No □	🛚 Not Requi	red							
By Whom?			Date and Hour: N/A						
Was a Watercourse Reached?			If YES, Volume Impacting the Watercourse:						
☐ Yes ⊠ No			Not Applicable						
If a Watercourse was Impacted, Describe Fully.* No	t Applicable								
Depth to Groundwater: ~66 feet									
Describe Cause of Problem and Remedial Action Ta	ken.* Historic	al re	leases from deco	mmissioned Tank	Battery		-		
Describe Area Affected and Cleanup Action Taken.*									
the TB perimeter. Upon receipt of Laboratory Analytica I hereby certify that the information given above is true									
and regulations all operators are required to report and/o									
endanger public health or the environment. The accepta									
operator of liability should their operations have failed t									
surface water, human health or the environment. In add for compliance with any other federal, state, or local law				41 report does no	t relieve the ope	erator of res	ponsibility		
101 compliance with any one reactal, state, or local inv	vs and/or regu	lation	OIL CONSERVATION DIVISION						
P 9-1			OIL CONSERVATION DIVISION						
Signature: Dep H			-						
Printed Name: Bill A. Anderson			Approved by District Supervisor:						
Title: HES Champion			Approval Date:		Expiration 1	Expiration Date:			
E-mail Address: BillyAnderson@chevron.com		_ (	Conditions of Approval:						
Date: 4/25/07 Phone: (505) 394-1	·								
* Attach Additional Sheets If Necessary									

# Appendix B

**Environmental Plus, Inc. Reports** 

# REMEDIATION PROPOSAL

**BRUNSON ARGO TANK BATTERY NO. 1** 

EPI REF: #200129 RP# 1295

UL-D (NW1/4 OF THE NW1/4) OF SECTION 10, T22S, R37E

 $\sim$  1.7 MILES SOUTH OF EUNICE,

LEA COUNTY, NEW MEXICO

LATITUDE: N 32° 24' 36.41"

LONGITUDE: W 103° 09' 31.39"

# DECEMBER 2007

PREPARED BY:

ENVIRONMENTAL PLUS, INC. 2100 WEST AVENUE O EUNICE, NEW MEXICO 88231

PREPARED FOR:



Much desperation 581-4 and text
581-4 and text
581-4 and text

Sport desperation of the plan Character of the plan (1/9/98)
1/9/98



RP# 1295

# ENVIRONMENTAL PLUS, INC.

CONSULTING AND REMEDIAL CONSTRUCTION

20 December 2007

Mr. Larry Johnson Environmental Engineer New Mexico Oil Conservation Division 1625 North French Drive Hobbs, New Mexico 88240

**RE:** Remediation Proposal

Chevron USA – Brunson Argo Tank Battery #1 UL-D (NW ¼ of the NW ¼), Section 10, T 22 S, R 37 E Latitude: 32° 24' 36.41"; Longitude: 103° 09' 31.39"

EPI Ref. #200129

Dear Mr. Johnson:

This letter report addresses remediation of an abandoned, decommissioned tank battery facility. Soil impacts are historical in nature with no data indicating release date(s), volume and nature of release fluid(s) or efforts to remediate the release area(s).

## Site Background

The Site is located in UL-D (NW ¼ of the NW ¼) of Section 10, T22S, R37E at an elevation of approximately 3,408-feet above mean sea level (amsl). The property is owned by the Priscilla Brunson Moody Estate (c/o Mr. Charles James Moody). A search for water wells was completed utilizing the New Mexico Office of the State Engineer's website and a database maintained by the United States Geological Survey (USGS). One (1) water supply well (USGS #5) exists within a 1,000-foot radius of the release site. Additionally, eight (8) water supply wells are located within a 1.0-mile radius of the release site (reference Figure 2). Groundwater data taken from domestic and USGS water wells within a one 1.0-mile radius of the release site indicates an average water depth of approximately sixty-six (66) feet below ground surface (bgs) (reference Figure 4 and Table 1). Utilizing this information, New Mexico Oil Conservation Division (NMOCD) Remedial Goals for this Site were determined as follows:

Parameter	Remedial Goal
Benzene	10 parts per million
BTEX	50 parts per million
TPH	100 parts per million

\*Chloride residuals may not be capable of impacting local Groundwater above NMWQCC Standard of 250 mg/L

P O Box 1558

2100 AVENUE O

EUNICE, NEW MEXICO 88231

TELEPHONE 505.394.3481 ... FAX 505.394.2601

#### Field Work

On April 25<sup>th</sup> and 26<sup>th</sup>, 2007, EPI mobilized at the tank battery to direct the location and depth of six (6) soil borings. Four (4) soil borings were advanced within confines of the bermed area, a fifth (5<sup>th</sup>) approximately twenty-five (25) feet southeast of the bermed area, and a 6<sup>th</sup> approximately one hundred three (103) feet north-northeast of the bermed area for background reference data (reference *Figure 5*). During advancement of soil borings, soil samples were collected at two (2) foot intervals initially, then at five (5) foot increments thereafter to total depth (TD) of the soil boring. Information regarding lithology of soil borings is provided in Attachment III, *Soil Boring Logs*.

# **Sampling Information**

Soil samples were collected from a portable auger rig utilizing a hollow core stem (Split Spoon Method). Upon collecting each soil sample, a portion was immediately placed into laboratory provided container(s), labeled and set on ice for transportation to an independent laboratory for quantification of BTEX (benzene, toluene, ethylbenzene and total xylenes); Total Hydrocarbons [Carbon Ranges (C6-C12), Carbon Ranges (C12-C28) and Carbon Ranges (C28-C35)]; and chloride concentrations.

The other portion of the soil sample was analyzed in the field for the following:

Organic Vapor Concentrations – A portion of each soil sample was inserted into a self-sealing polyethylene bag to allow volatilization of organic vapors. After samples equilibrated to  $\sim 70^{\circ}$  F, they were analyzed for organic vapor concentrations utilizing a MiniRae® Photoionization Detector (PID) equipped with a 10.6 electron volt (eV) lamp and calibrated for benzene response.

Chloride Concentrations – A portion of each soil sample collected was tested utilizing a LaMotte Chloride Test Kit (titration method).

# **Analytical Data**

Field analyses for organic vapor concentrations in SB1-1 ranged from 4.9 ppm (20-ft bgs) to 2,400 ppm (2-ft bgs), SB1-2 from 5.0 ppm (15-ft bgs) to 50.2 ppm (2-ft bgs), SB1-3 from 14.4 ppm (2-ft bgs) to 40.2 ppm (5-ft bgs), SB1-4 from 24.0 ppm (2-ft bgs) to 40.0 ppm (10- and 15-ft bgs), and SB1-5 from 130 ppm (10-ft bgs) to 357 ppm (2-ft bgs). SB1-6 was not analyzed for organic vapor concentrations. Chloride concentrations in SB1-1 ranged from 160 mg/Kg (20-ft bgs) to 320 mg/Kg (2- to 10-ft bgs), SB1-2 from 160 mg/Kg (10- and 15-ft bgs) to 240 mg/Kg (2- and 5-ft bgs), SB1-3 from 240 mg/Kg (25- and 30-ft bgs) to 800 mg/kg (2- and 5-ft bgs), SB1-4 at 240 mg/Kg (2- to 15-ft bgs), SB1-5 at 160 mg/Kg (2- to 15-ft bgs) and background reference SB1-6 at 160 mg/Kg (reference *Table 2*).

Laboratory analytical results indicated BTEX concentrations were below NMOCD remedial threshold goals in all sample intervals. TPH concentrations in SB1-1 ranged from 2,640 mg/Kg (5-ft bgs) to <30.0 mg/Kg (20-ft bgs), SB1-2 from 764 mg/Kg (5-ft bgs) to <30.0 mg/Kg (15-ft bgs), SB1-3 from 79.2 mg/Kg (2-ft bgs) to <30.0 mg/Kg (10- to 30-ft bgs), SB1-4 from <30.0 mg/Kg (2-to 5-ft bgs) to 735 mg/Kg (15-ft bgs), SB1-5 from 42,300 mg/Kg (2-ft bgs) to <30.0 mg/Kg (15-ft bgs) and background reference SB1-6 at <30.0 mg/Kg (2- to 10-ft bgs). Chloride concentrations in SB1-1 ranged from 6.9 mg/Kg (2-ft bgs) to 4.54 mg/Kg (20-ft bgs), SB1-2 from 7.07 mg/Kg (2-ft bgs) to 11.4 mg/Kg (15-ft bgs), SB1-3 from 338 mg/Kg (2-ft bgs) to 78.1 mg/Kg (30-ft bgs), SB1-4 from 159 mg/Kg (2-ft bgs) to 201 mg/Kg (15-ft bgs), SB1-5 from 12.7 mg/Kg to 4.48 mg/Kg (15-ft bgs) and background reference SB1-6 from 3.70 mg/Kg (2-ft bgs) to 115 mg/Kg (10-ft bgs) (reference *Table 2*).

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## Site Remedial Proposal

Based on field analyses and laboratory analytical results, the release area soil is hydrocarbon and chloride impacted. However, residual hydrocarbon and chloride concentrations diminish with vertical depth (reference *Table 2*) and are confined to a relatively small area. With groundwater approximately sixty-six (66) feet bgs, natural attenuation will reduce chloride concentrations during migration. In view of this, projected remedial activities are as follows (reference *Figure 7*):

Site	Approximate Surface Area	Approximate Excavation Depth (ft-bgs)					
1	$8,245-\text{ft}^2$	5					
2	$3,263-\mathrm{ft}^2$	5					
3	$1,700-\text{ft}^2$	5					
4	950-ft <sup>2</sup>	5					
5	1,113-ft <sup>2</sup>	5					
6	$2,585-\text{ft}^2$	5					
<sup>'</sup> 7	4,806-ft <sup>2</sup>	3					
8	4,125-ft <sup>2</sup> 2,425-ft <sup>2</sup>	3					
9	2,425-ft <sup>2</sup>	5					

Field analyses and conditions will determine final horizontal boundaries and depths of excavations. All excavated impacted soil and caliche will be disposed at a state approved disposal facility. Upon receipt of analytical results confirming the removal of soil impacted above NMOCD remedial threshold goals in the sidewalls and floor of the excavation, the excavation area is to be selectively backfilled with clean caliche and topsoil to original ground surface. Disturbed areas will be contoured to allow natural drainage, disked and seeded with a blend approved by the property owner. To prevent wind and water erosion, a winter cover (wheat or rye) will be applied over the disturbed area. This application will be followed by re-seeding the disturbed area in late spring 2008 when moisture levels are high and survival of newly emerged grass is greater.

Should you have any technical questions or concerns, please contact me at (505) 394-3481 or via email at <a href="mailto:dduncan@envplus.net">dduncan@envplus.net</a>. Upon approval, EPI will initiate remedial phase of the project. Official correspondence and communications should be submitted to Mr. Billy Anderson, Chevron USA, at (505) 394-1237 (office), (505) 441-5438 (cellular) or via email at <a href="mailto:BillyAnderson@chevron.com">BillyAnderson@chevron.com</a>.

Sincerely,

ENVIRONMENTAL PLUS, INC.

David P. Duncan Civil Engineer Cc: Billy A. Anderson, HES Specialist, Chevron USA, Eunice, NM

Charles James Moody, Estate Executor, Eugene, Or.

File

Encl: Figure 1 – Area Map

Figure 2 – Site Location Map

Figure 3 – Site Map

Figure 4 – Groundwater Gradient Map

Figure 5 – Soil Boring Location Map

Figure 6 – Soil Boring and Hand Auger Location Map

Figure 7 – Proposed Excavation Map

Table 1 – Well Data

Table 2 – Summary of Soil Boring Field Analyses and Laboratory Analytical Results

Attachment I – Site Photographs

Attachment II - Laboratory Analytical Results and Chain-of-Custody Form

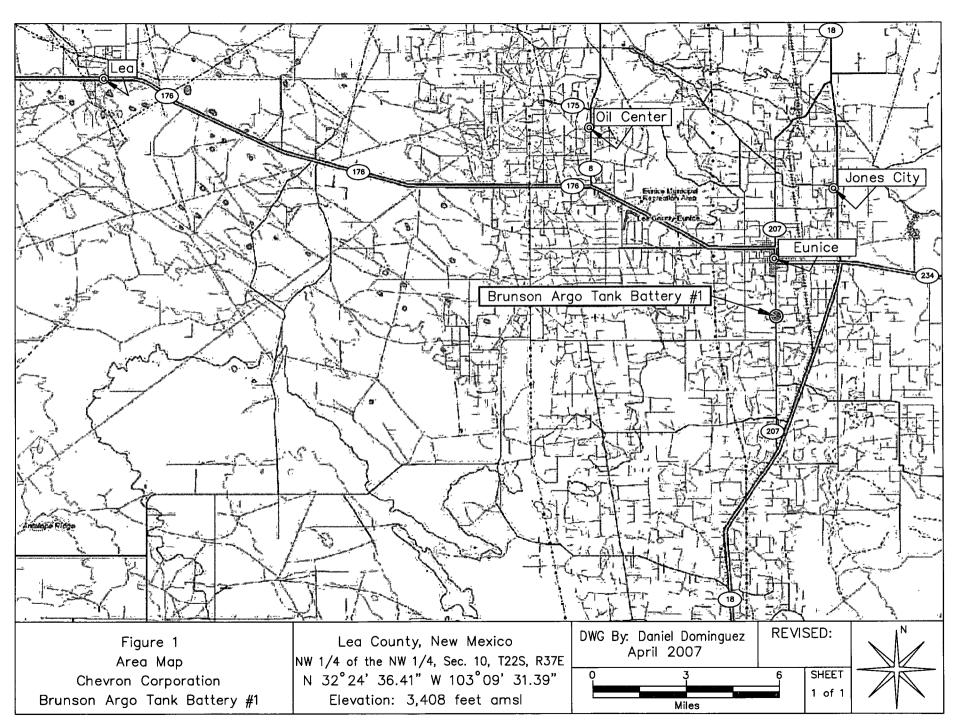
Attachment III - Soil Boring Logs

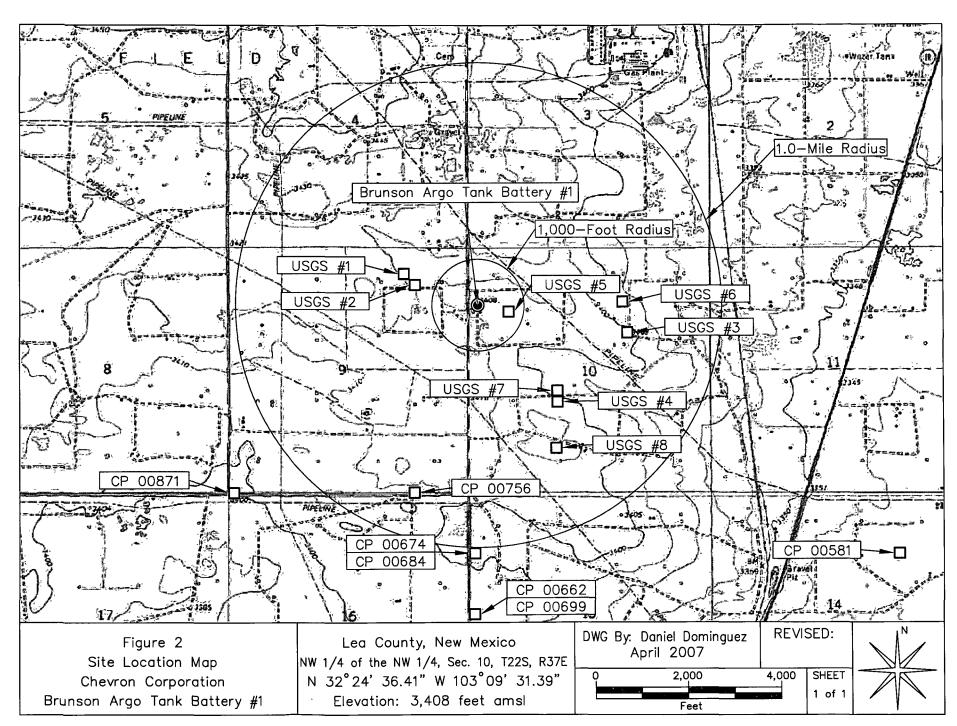
Attachment IV – Information and Metrics

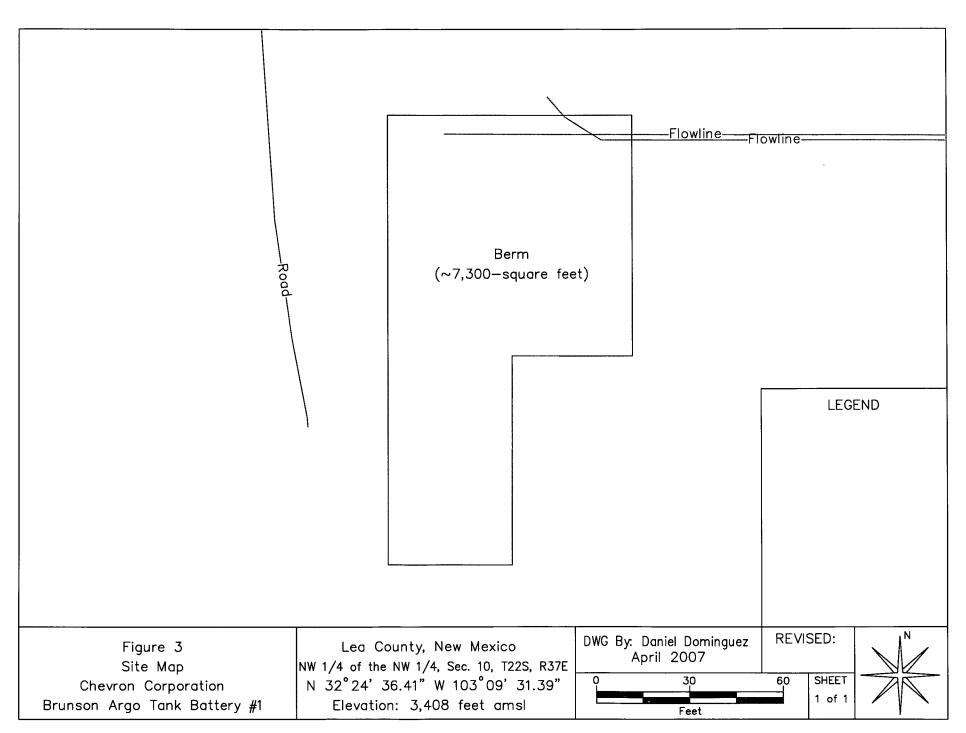
Copy of Initial NMOCD Form C-141

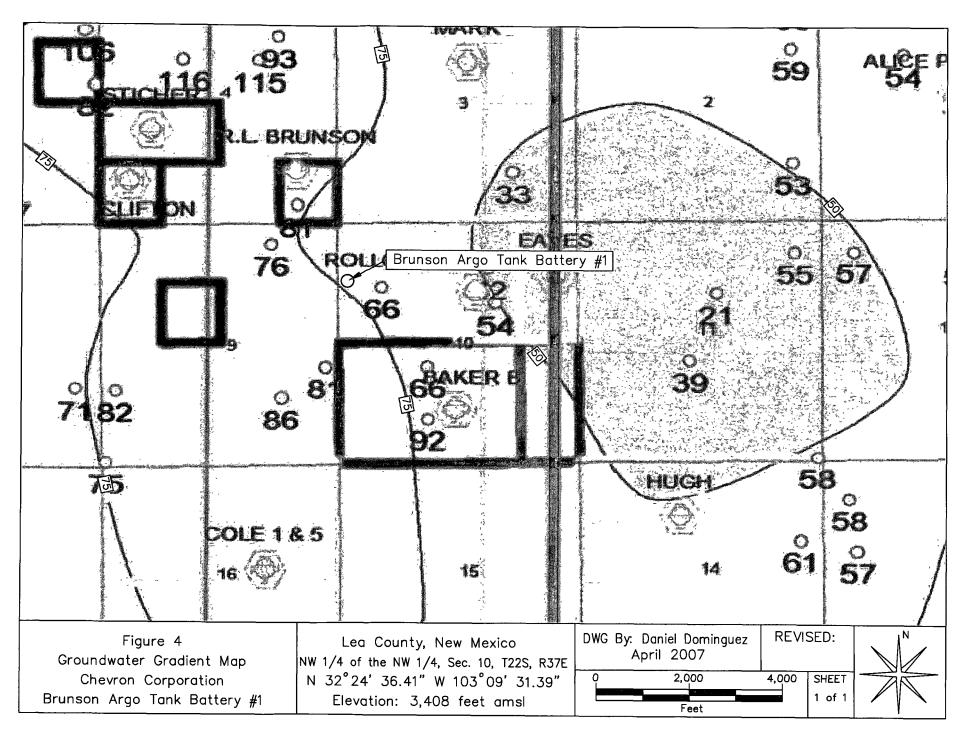
**ENCLOSURES** 

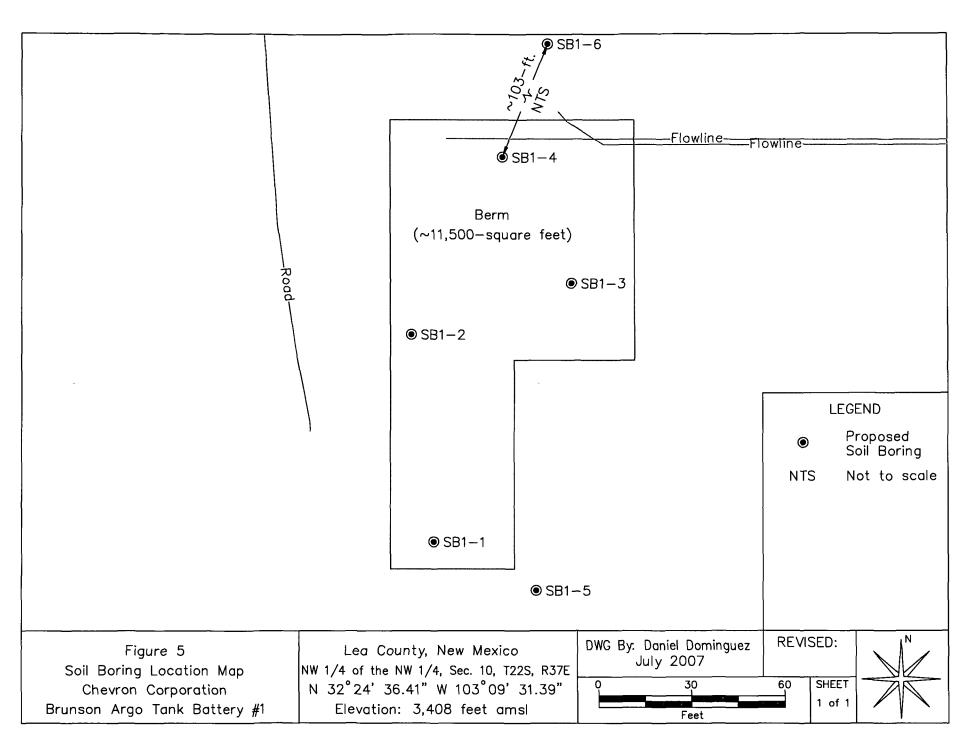
**FIGURES** 

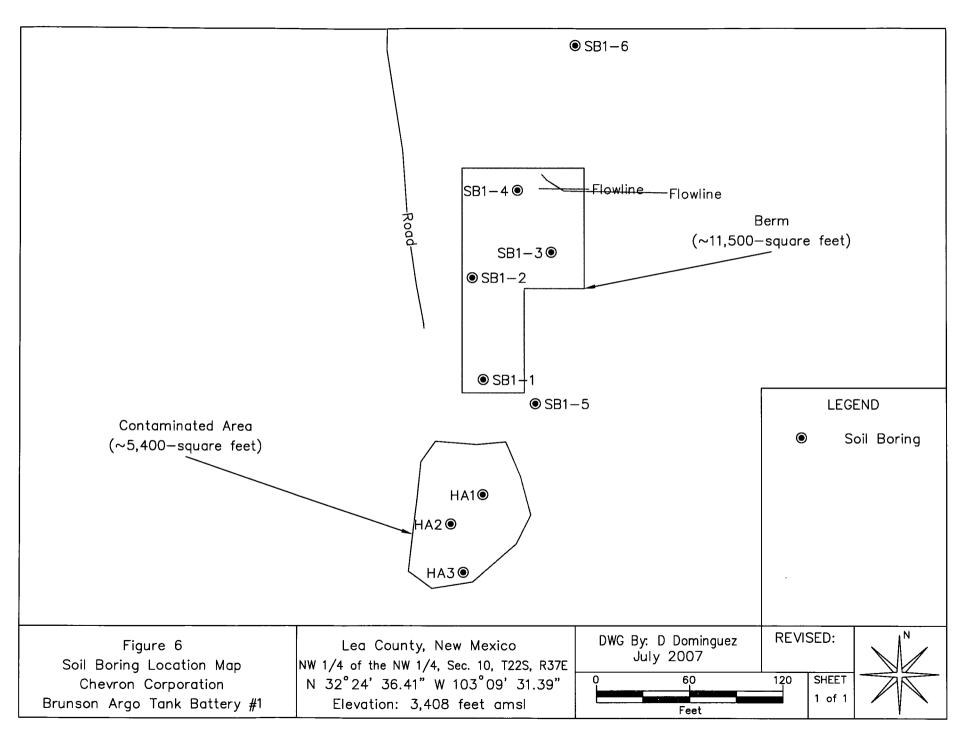


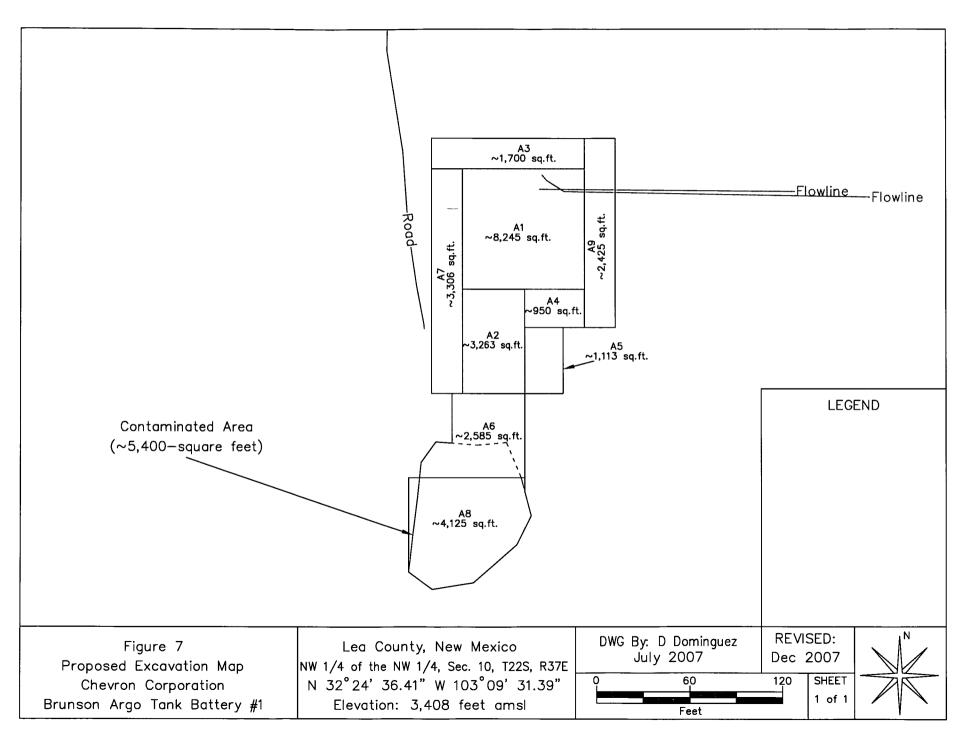












**TABLES** 

TABLE 1
WELL INFORMATION REPORT\*

Chevron USA - Brunson Argo Tank Battery #1 (Ref #200129)

Well Number	Diversion <sup>A</sup>	Owner	Use	Twsp	Rng	Sec q q q	Latitude	Longitude	Date Measured	Surface Elevation <sup>B</sup>	Depth to Water (ft bgs)
CP 00581	3	NORTHERN NATURAL GAS CO.	SAN	22S	37E	14 222	N32° 23' 43.32"	W103° 07' 44 48"	18-Apr-79	3,335	65
CP 00662	3	GEORGE SCHELLER	DOM	22S	37E	15 133	N32° 23' 30 26"	W103° 09' 32.15"	20-Jul-83	3,405	150
CP 00674	3	WARREN & VERNA HUGHES	DOM	22S	37E	15 11	N32° 23' 43.31"	W103° 09' 32 15"	27-Mar-85	3,399	75
CP 00684	3	WARREN & VUNA HUGHES	MUL	22S	37E	15 11	N32° 23' 43 31"	W103° 09' 32 15"	01-Aug-85	3,399	180
CP 00699	3	MARTIN CARRASCO	DOM	22S	37E	15 1	N32° 23' 30.26"	W103° 09' 32 15"	02-Jun-86	3,405	100
CP 00756	3	CHARLIE BETTIS	DOM	22S	37E	09 442	N32° 23' 56 34"	W103° 09' 47.53"	30-Oct-90	3,408	85
CP 00871	3	BILL OR BARBARA TRULL	DOM	22S	37E	09 3	N32° 23' 56 30"	W103° 10' 33.67"	29-Sep-97	3,400	94
USGS #1				22S	37E	09 212			17-Mar-81	3,415	76.2
USGS #2				22S	37E	09 223			22-Jan-76	3,415	78 57
USGS #3				22S	37E	10 232			27-Jan-76	3,400	54 44
USGS #4	, and the second			22S	37E	10 321			27-Jan-76	3,400	69.54
USGS #5				22S	37E	10 132			27-Jan-76	3,405	65.59
USGS #6				22S	37E	10 214		1	27-Jan-76	3,399	41.88
USGS #7				22S	37E	10 321			17-Mar-81	3,399	66 05
USGS #8				22S	37E	10 341			15-Feb-96	3,410	91.64
CP 00679	3% 5%	FRED FERBRACHE	- DOM	22S	37E	15 . 3 3	N32° 23' 4.17"	W103° 09' 32.14"	20-May-85	3,380	98
CP_00708	P 3 3 3 5 5	ROBERT A. CUETO.	DOM:	22S	-37E	155	N32° 23' 4.17"	W103° 09' 32:14" =	15-Apr-87	3,380	185
CP 00709		JAMES D. SMITH	DOM.	22S	37E	15 3 4 2 👺	N32° 23' 4.17"	W103° 09' 16:78"	29:Apr-87	3,385	37° 87.

<sup>\* =</sup> Data obtained from the New Mexico Office of the State Engineer Website (http://iwaters.ose state nm.us.7001/iWATERS/wr RegisServlet1) and USGS Database.

DOM = Domestic one household

MUL = Multiple Domestic Households

(quarters are 1=NW, 2=NE, 3=SW, 4=SE)

(quarters are biggest to smallest - X Y are in Feet - UTM are in Meters)

Shaded area indicates wells not shown on Figure 2

A = in acre feet per annum

B = Interpolated from USGS Topographical Map

TABLE 3
Summary of Soil Boring Field Analyses and Laboratory Analytical Results
Chevron U.S.A. Inc.
Brunson Argo #1 (NMOCD Ref.#; EPI Ref.# 200129)

Sample I D	Depth (feet)	Soil Status	Sample Date	PID Field Analysis (ppm)	Field Chloride Analyses (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylene (p/m) (mg/Kg)	Xylenes (o) (mg/Kg)	Total BTEX (mg/Kg)	Carbon Ranges (C6-C12) (mg/Kg)	Carbon Ranges (C12-C28) (mg/Kg)	Carbon Ranges (C28-C35) (mg/Kg)	Total Hydrocarbons (C6-C35) (mg/Kg)	Sulfate (mg/Kg)	Chloride (mg/Kg)
SB1-1	2	ln-sıtu	25-Apr-07	2400	320	<0 0250	0 148	0 513	0 821	0 174	1 66	290	834	95 5	1,220	16 0	1 [6 9]
SB1-1	5	In-situ	25-Apr-07	2000	320	<0 0250	0 248	1 180	1 490	0 439	3 357	668	1,830	143	2,640	24 8	35 8
SB1-1	10	ln-situ	25-Apr-07	59 1	320	<0 0250	0 027	0 044	0 068	J [0 0221]	0 139	29 8	54 7	<10 0	84 5	21 6	20 3
SB1-1	15	ln-situ	25-Apr-07	36 7	240	<0 0250	<0 0250	<0 0250	<0 0250	<0 02502	<0 125	<10 0	<10 0	<10 0	<30 0	13 3	16 1
SB1-1	20	ln-situ	25-Apr-07	49	160	<0 0250	<0 0250	<0 0250	<0 0250	<0 02502	<0 125	<10 0	<100	<10 0	<30 0	11 6	J [4 54]
SB1-2	2	In-situ	25-Apr-07	50 2	240	<0 0250	<0 0250	<0 0250	<0 0250	<0 0250	<0 125	114	122	26 9	160	26 3	J [7 07]
SB1-2	5	In-situ	25-Apr-07	30 0	240	<0 0250	<0 0250	<0 0250	<0 0250	<0 0250	<0 125	18 2	652 0	93 3	764	42 4	74 6
SB1-2	10	ln-situ	25-Apr-07	98	160	<0 0250	<0 0250	<0 0250	<0 0250	<0 0250	<0 125	<10 0	<10 0	<10 0	<30 0	24 4	52 6
SB1-2	15	In-situ	25-Apr-07	5 0	160	<0 0250	<0 0250	<0 0250	<0 0250	<0 0250	<0 125	<10 0	<10 0	<10 0	<30 0	23 8	11 4
SB1-3	2	In-situ	25-Apr-07	144	800	<0 0250	<0 0250	J [0 00113]	0 00487	<0 0250	0 00487	14 5	53 9	108	79 2	91 4	338
SB1-3	5	In-situ	25-Apr-07	40 2	800	<0.0250	<0 0250	<0 0250	<0 0250	<0 0250	<0 125	124	37 3	J [9 31]	49 7	21 4	150
SB1-3	10	In-situ	25-Apr-07	25 0	720	<0 0250	<0 0250	<0 0250	<0 0250	<0 0250	<0 125	<10 0	<10 0	<10 0	<30 0	67 4	588
SB1-3	15	In-situ	25-Apr-07	36 0	440	<0 0250	<0 0250	<0 0250	<0 0250	<0 0250	<0 125	<10 0	<10 0	<10 0	<30 0	28 0	303
SB1-3	20	In-situ	25-Apr-07	40 0	320	<0 0250	<0 0250	<0 0250	<0 0250	<0 0250	<0 125	<10 0	<100	<10 0	<30 0	69 1	171

TABLE 3 Summary of Soil Boring Field Analyses and Laboratory Analytical Results Chevron U.S.A. Inc. Brunson Argo #1 (NMOCD Ref.#; EPI Ref.# 200129)

Sample I D	Depth (feet)	Soil Status	Sample Date	PID Field Analysis (ppm)	Field Chloride Analyses (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylene (p/m) (mg/Kg)	Xylenes (o) (mg/Kg)	Total BTEX (mg/Kg)	Carbon Ranges (C6-C12) (mg/Kg)	Carbon Ranges (C12-C28) (mg/Kg)	Carbon Ranges (C28-C35) (mg/Kg)	Total Hydrocarbons (C6-C35) (mg/Kg)	Sulfate (mg/Kg)	Chloride (mg/Kg)
SB1-3	25	In-situ	25-Apr-07	34 0	240	<0 0250	<0 0250	<0 0250	<0 0250	<0 0250	<0 125	<10 0	<10 0	<10 0	<30 0	21 1	93 3
SB1-3	30	In-situ	25-Apr-07	30 0	240	<0 0250	<0 0250	<0 0250	<0 0250	<0 0250	<0 125	<10 0	<10 0	<10 0	<30 0	30 5	78 1
SB1-4	2	In-situ	25-Apr-07	25 0	240	<0 0250	<0 0250	<0 0250	<0 0250	<0 0250	<0 125	<10 0	<10 0	<10 0	<30 0	28 7	159
SB1-4	5	In-situ	25-Apr-07	24 0	240	<0 0250	<0 0250	<0 0250	<0 0250	<0 0250	<0 125	<10 0	<10 0	<10 0	<30 0	56 3	126
SB1-4	10	In-situ	25-Apr-07	40 0	240	<0 0250	<0 0250	<0 0250	<0 0250	<0 0250	<0 125	144	901	174	1,090	44 6	106
SB1-4	15	In-situ	25-Apr-07	40 0	240	<0 0250	<0 0250	<0 0250	<0 0250	<0 0250	<0 125	150	618	102	735	116	201
SB1-5	2	In-situ	25-Apr-07	357	160	0 327	3 44	11 3	23 9	4 19	42 80	8,570	33,700	<10 0	42,300	879	12 7
SB1-5	5	In-situ	25-Apr-07	170	160	<0 0250	0 0380	0 210	0 584	0 250	1 08	295	1,360	183	1,840	23 7	16.5
SB1-5	10	ln-situ	25-Apr-07	130	160	<0 0250	J [0 0118]	0 0556	0 148	0 0587	0 362	331	3,890	627	4,850	42 5	21 6
SB1-5	15	In-situ	25-Apr-07		160	<0 0250	<0 0250	<0 0250	<0 0250	<0 0250	<0 125	<10 0	<10 0	<10 0	<30 0	36 4	J [4 48]
SB1-6 (BG)	2	ln-situ	26-Apr-07		160	<0 0250	<0 0250	<0 0250	<0 0250	<0 0250	<0 125	<10 0	<10 0	<10 0	<30 0	8 15	J [3 70]
SB1-6 (BG)	5	ln-situ	26-Apr-07		160	<0 0250	<0 0250	<0 0250	<0 0250	<0 0250	<0 125	<10 0	<10 0	<10 0	<30 0	30 0	5 5
SB1-6 (BG)	10	In-situ	26-Apr-07		160	<0 0250	<0 0250	<0 0250	<0 0250	<0 0250	<0 125	<100	<10 0	<10 0	<30 0	2,040	115
N.	MOCD Ren	nedial Thresh	olds	100		10					50				100		250

1-4 nuds to se despud 4 sampled

Bolded values are in excess of NMOCD Remediation Threshold Goal
--- Not Analyzed
J = Detected, but below the Reporting Limit Therefore, result is an estimated concentration (CPL J-Flag BG = Background Soil Boring

**ATTACHMENTS** 

**ATTACHMENT I** 

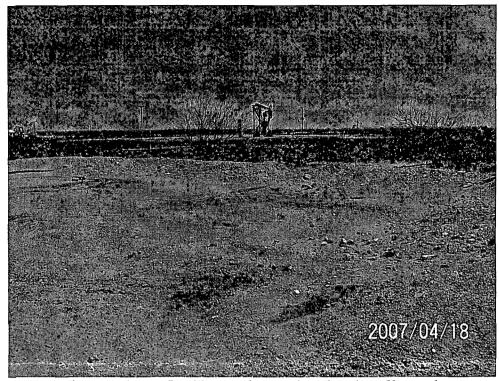
PROJECT PHOTOGRAPHS



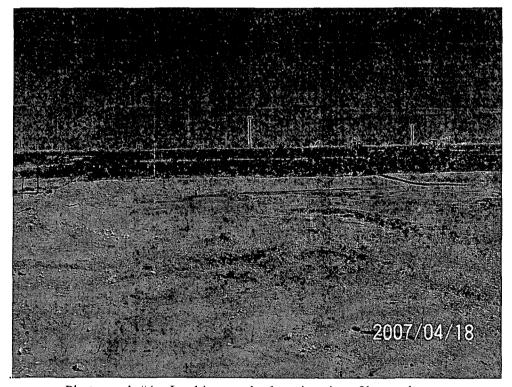
Photograph No. 1 – Lease sign



Photograph #2 – Looking northeasterly at interior of bermed area.



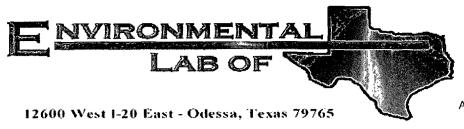
Photograph #3 – Looking northwesterly at interior of bermed area.



Photograph #4 – Looking northerly at interior of bermed area.

## **ATTACHMENT II**

# LABORATORY ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY FORMS



A Xenco Laboratories Company

## **Analytical Report**

#### **Prepared for:**

David P. Duncan
Environmental Plus, Incorporated
P.O. Box 1558
Eunice, NM 88231

Project: Chevron/ Brunson Argo TB #1 Project Number: 200129

Location: UL-D, Sec. 10, T22S, R37E

Lab Order Number: 7D27002

Report Date: 05/09/07

P O. Box 1558 Eunice NM, 88231 Project. Chevron/ Brunson Argo TB #1

Project Number 200129
Project Manager David P. Duncan

Fax. 505-394-2601

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB-1 2'	7D27002-01	Soil	04/25/07 07 15	04-27-2007 10.30
SB-1 5'	7D27002-02	Soil	04/25/07 07 23	04-27-2007 10 30
SB-1 10'	7D27002-03	Soil	04/25/07 07.58	04-27-2007 10:30
SB-1 15'	7D27002-04	Soil	04/25/07 08 35	04-27-2007 10.30
SB-1 20'	7D27002-05	Soil	04/25/07 09 29	04-27-2007 10.30
SB-2 2'	7D27002-06	Soil	04/25/07 10 10	04-27-2007 10.30
SB-2 5'	7D27002-07	Soil	04/25/07 10.15	04-27-2007 10.30
SB-2 10'	7D27002-08	Soil	04/25/07 10.35	04-27-2007 10.30
SB-2 15'	7D27002-09	Soil	04/25/07 11 53	04-27-2007 10 30
SB-3 2'	7D27002-10	Soil	04/25/07 12 30	04-27-2007 10 30
SB-3 5'	7D27002-11	Soil	04/25/07 12.45	04-27-2007 10.30
SB-3 10'	7D27002-12	Soil	04/25/07 12.50	04-27-2007 10 30
SB-3 15'	7D27002-13	Soil	04/25/07 13.25	04-27-2007 10 30
SB-3 20'	7D27002-14	Soil	04/25/07 14.00	04-27-2007 10.30
SB-3 25'	7D27002-15	Soil	04/25/07 14:31	04-27-2007 10 30
SB-3 30'	7D27002-16	Soil	04/25/07 14.45	04-27-2007 10.30
SB-4 2'	7D27002-17	Soil	04/25/07 15:55	04-27-2007 10 30
SB-4 5'	7D27002-18	Soil	04/25/07 16.00	04-27-2007 10.30
SB-4 10'	7D27002-19	Soil	04/25/07 16:20	04-27-2007 10.30
SB-4 15'	7D27002-20	Soil	04/25/07 14:40	04-27-2007 10 30
SB-5 2'	7D27002-21	Soil	04/25/07 17.00	04-27-2007 10.30
SB-5 5'	7D27002-22	Soil	04/25/07 15 10	04-27-2007 10.30
SB-5 10'	7D27002-23	Soil	04/25/07 18 30	04-27-2007 10 30
SB-5 15'	7D27002-24	Soil	04/26/07 08.20	04-27-2007 10.30
SB-6 2'	7D27002-25	Soil	04/26/07 08.55	04-27-2007 10.30
SB-6 5'	7D27002-26	Soil	04/26/07 09.05	04-27-2007 10.30
SB-6 10'	7D27002-27	Soil	04/26/07 09.45	04-27-2007 10.30

Fax. 505-394-2601

Environmental Plus, Incorporated

P.O. Box 1558 Eunice NM, 88231 Project Chevron/ Brunson Argo TB #1

Project Number. 200129

Project Manager David P. Duncan

## Organics by GC

		Environ	mental L	ab of T	exas				
	D 1:	Reporting	***						
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-1 2' (7D27002-01) Soil	·								
Benzene	ND	0.0250	mg/kg dry	25	ED73006	04/30/07	04/30/07	EPA 8021B	
Toluene	0.148	0 0250	**	H	"	**	и	"	
Ethylbenzene	0.513	0.0250		11	"	11	"	**	
Xylene (p/m)	0.821	0.0250	"	"	"	"	"	ч	
Xylene (o)	0.174	0 0250	н	**	"	"	"	н	
Surrogate a,a,a-Trıfluorotoluene		103 %	75-1	25	"	"	"	"	
Surrogate. 4-Bromofluorobenzene		130 %	75-1	25	"	"	"	"	S-0-
Carbon Ranges C6-C12	290	10 0	mg/kg dry	1	ED72507	04/25/07	05/01/07	EPA 8015M	
Carbon Ranges C12-C28	834	10 0	n	"	11	и	"	и	
Carbon Ranges C28-C35	95.5	10.0	11	H	"	н	"	п	
Total Hydrocarbons	1220	10.0	"	п	"	"	n	"	
Surrogate 1-Chlorooctane		93.6 %	70-1	30	"	"	"	"	
Surrogate 1-Chlorooctadecane		106 %	70-1	30	"	"	"	"	
SB-1 5' (7D27002-02) Soil									
Benzene	ND	0.0250	mg/kg dry	25	ED73006	04/30/07	04/30/07	EPA 8021B	
Toluene	0.248	0.0250	"	IF	"	"	ü	**	
Ethylbenzene	1.18	0.0250		н	*	"	11	11	
Xylene (p/m)	1.49	0 0250	"	11	**	*	н	**	
Xylene (o)	0.439	0.0250	"	"	n .	ır	11	**	
Surrogate a,a,a-Trifluorotoluene		108 %	75-1	25	"	"	,,	n	
Surrogate 4-Bromofluorobenzene		150 %	75-1	25	"	"	"	n	S-0-
Carbon Ranges C6-C12	668	10.0	mg/kg dry	1	ED72507	04/25/07	05/01/07	EPA 8015M	
Carbon Ranges C12-C28	1830	10 0	"	11	п	и	"	"	
Carbon Ranges C28-C35	143	10.0	и	"	"	"	н	н	
Total Hydrocarbons	2640	10.0	11	"	. "		11	11	
Surrogate 1-Chlorooctane		94.0 %	70-1	30	"	"	"	"	
Surrogate. 1-Chlorooctadecane		124 %	70-1	30	n	"	"	n	
SB-1 10' (7D27002-03) Soil									
Benzene	ND	0.0250	mg/kg dry	25	ED73006	04/30/07	04/30/07	EPA 8021B	
Toluene	0.0267	0.0250	"		tt	"	"	п	
Ethylbenzene	0.0441	0.0250	п	"	н	n	"	"	
Xylene (p/m)	0.0675	0.0250	**	"	"	"	**	н	
Xylene (o)	J [0.0221]	0.0250	"	п	11	ij	**	п	
Surrogate a,a,a-Trifluorotoluene		105 %	75-1	25	"	"	"	n	1 21 2
Surrogate 4-Bromofluorobenzene		115 %	75-1	25	"	"	n	"	
Carbon Ranges C6-C12	29.8	10.0	mg/kg dry	1	ED72507	04/25/07	05/01/07	EPA 8015M	

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PO Box 1558 Project Manager David P. Duncan Eunice NM, 88231

Project Chevron/ Brunson Argo TB #1

Project Number. 200129

Fax. 505-394-2601

### Organics by GC

#### **Environmental Lab of Texas**

	n +-	Reporting	**						
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note:
SB-1 10' (7D27002-03) Soil									
Carbon Ranges C12-C28	54.7	10 0	mg/kg dry	1	ED72507	04/25/07	05/01/07	EPA 8015M	
Carbon Ranges C28-C35	ND	10.0	"	"	"	11	**	11	
Total Hydrocarbons	84.5	10.0	н	11	11		"	n .	
Surrogate 1-Chlorooctane		80 4 %	70-1.	30	"	"	"	"	
Surrogate 1-Chlorooctadecane		85.6 %	70-1.	30	"	"	"	"	
SB-1 15' (7D27002-04) Soil									
Benzene	ND	0 00200	mg/kg dry	2	ED73006	04/30/07	04/30/07	EPA 8021B	
Toluene	ND	0.00200	**	п	п	11	н	11	
Ethylbenzene	ND	0.00200	**	11	**	"	n	"	
Xylene (p/m)	ND	0.00200		**	**	"	н	"	
Xylene (o)	ND	0.00200	u	"	Ħ	**	н	и	
Surrogate a,a,a-Trifluorotoluene		95.0 %	75-12	25	"	"	"	"	
Surrogate 4-Bromofluorobenzene		940%	75-12	25	"	"	"	n	
Carbon Ranges C6-C12	ND	10 0	mg/kg dry	1	ED72701	04/27/07	05/01/07	EPA 8015M	
Carbon Ranges C12-C28	ND	10 0	н	**	**	ıı	n	н	
Carbon Ranges C28-C35	ND	10.0	ш	11	"	"	11	п	
Total Hydrocarbons	ND	10.0	11	"	**	"	"	**	
Surrogate 1-Chlorooctane		82 4 %	70-1.	30	"	,,	"	n	
Surrogate 1-Chlorooctadecane		97.4 %	70-13	30	"	"	"	"	
SB-1 20' (7D27002-05) Soil									
Benzene	ND	0.00200	mg/kg dry	2	ED73006	04/30/07	04/30/07	EPA 8021B	
Toluene	ND	0.00200	н	n	н	u	н	и	
Ethylbenzene	ND	0.00200	"	n		"	п		
Xylene (p/m)	ND	0.00200	"	"	п	"	11	n	
Xylene (o)	ND	0 00200	ii.	"	"	**	**	u	
Surrogate a,a,a-Trifluorotoluene		91.2 %	75-12	25	"	"	,,	"	
Surrogate. 4-Bromofluorobenzene		90.8 %	75-12	25	"	"	,,	"	
Carbon Ranges C6-C12	ND	10 0	mg/kg dry	1	ED72701	04/27/07	05/01/07	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	11	"	**	**	ш	
Carbon Ranges C28-C35	ND	10.0	"	**	**	"	ш	31	
Total Hydrocarbons	ND	10 0	"	H	**	п	"	**	
Surrogate 1-Chlorooctane		866%	70-13	30	"	"	n	"	
Surrogate 1-Chlorooctadecane		996%	70-13	80	"	"	"	"	

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P.O. Box 1558 Eunice NM, 88231 Project. Chevron/ Brunson Argo TB #1

Project Number. 200129

Project Manager. David P. Duncan

Fax 505-394-2601

## Organics by GC Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Proposed	Analyzed	Method	Note
SB-2 2' (7D27002-06) Soil		Limit	Onits	Dilution	Batch	Prepared	Anaiyzed	Method	Note
<u> </u>	, , , , , ,	0.00200			ED33006	0.4/20/07	0.4/20/07	EPA 8021B	
Benzene	ND	0.00200	mg/kg dry	2	ED73006	04/30/07	04/30/07	EPA 8021B	
Toluene	ND	0.00200	,,			"			
Ethylbenzene	ND	0.00200				"	"	п	
Xylene (p/m)	ND	0 00200	,,	"	"	"	"	**	
Xylene (o)	ND	0.00200							
Surrogate a,a,a-Trifluorotoluene		78.6 %	75-1		"	"	"	"	
Surrogate 4-Bromofluorobenzene		76 2 %	75-1	25	"	"	"	"	
Carbon Ranges C6-C12	11.4	10.0	mg/kg dry	1	ED72701	04/27/07	05/01/07	EPA 8015M	
Carbon Ranges C12-C28	122	10.0	"	"	**	**	"	11	
Carbon Ranges C28-C35	26.9	10.0	**	"	**	II	**	n	
Total Hydrocarbons	160	10 0	11	н	11	11	11		
Surrogate 1-Chlorooctane		84.0 %	70-1	30	"	"	"	"	
Surrogate 1-Chlorooctadecane		94.6 %	70-1	30	"	"	"	ħ	
SB-2 5' (7D27002-07) Soil					,				
Benzene	ND	0 00200	mg/kg dry	2	ED73006	04/30/07	04/30/07	EPA 8021B	
Toluene	ND	0.00200	"	**	n	н	11	**	
Ethylbenzene	ND	0 00200	"	"	11	II .	*	n	
Xylene (p/m)	ND	0.00200	п	11	"	11	11	п	
Xylene (o)	ND	0 00200	11	**	PF	"	11	11	
Surrogate: a,a,a-Trifluorotoluene		79.4 %	75-1	25	,,	"	"	"	
Surrogate: 4-Bromofluorobenzene		76.0 %	75-1	25	"	"	"	"	
Carbon Ranges C6-C12	18.2	10.0	mg/kg dry	1	ED72701	04/27/07	05/01/07	EPA 8015M	
Carbon Ranges C12-C28	652	10.0	**	"			"	n	
Carbon Ranges C28-C35	93.3	100	11	••	n	н	"	n	
Total Hydrocarbons	764	10 0	**	"	n	"	n	п	
Surrogate 1-Chlorooctane		84 0 %	70-1	30	"	"	,,	,,	-
Surrogate · 1-Chlorooctadecane		110 %	70-1	30	"	"	"	n	
SB-2 10' (7D27002-08) Soil									
Benzene	ND	0.00200	mg/kg dry	2	ED73006	04/30/07	04/30/07	EPA 8021B	
Toluene	ND	0.00200	"	"		п	н	"	
Ethylbenzene	ND	0 00200	u	111	11	"	n	II.	
Kylene (p/m)	ND	0 00200	**	**	**	и	11	**	
Kylene (0)	ND	0.00200	"	**	н	11	"	•	
Surrogate a,a,a-Trifluorotoluene		90 2 %	75-1.	25	,,	"	n	"	
Surrogate 4-Bromofluorobenzene		89.4 %	75-1.		"	<i>n</i>	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	ED72701	04/27/07	05/01/07	EPA 8015M	

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Environmental Plus, Incorporated

Project Chevron/ Brunson Argo TB #1 Project Number 200129

Project Manager. David P. Duncan

P.O. Box 1558 Eunice NM, 88231

#### Organics by GC **Environmental Lab of Texas**

r									
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
SB-2 10' (7D27002-08) Soil									
Carbon Ranges C12-C28	ND	10 0	mg/kg dry	1	ED72701	04/27/07	05/01/07	EPA 8015M	
Carbon Ranges C28-C35	ND	100	"	**	п	**	п	11	
Total Hydrocarbons	ND	10.0	и	и	**	"	**	"	
Surrogate 1-Chlorooctane		93.8 %	70-13	30	"	"	"	"	
Surrogate 1-Chlorooctadecane		106 %	70-13	30	"	"	"	"	
SB-2 15' (7D27002-09) Soil					_				
Benzene	ND	0 00200	mg/kg dry	2	ED73006	04/30/07	04/30/07	EPA 8021B	
Toluene	ND	0.00200	**	"	*1	*	**	II	
Ethylbenzene	ND	0.00200	ш	н	н	п	н	H	
Xylene (p/m)	ND	0.00200	**	"	п	**	"	п	
Xylene (o)	ND	0.00200	и	**	**	•	"	"	
Surrogate a,a,a-Trifluorotoluene		89.4 %	75-12	25	"	"	"	n	
Surrogate 4-Bromofluorobenzene		88.6 %	75-12	25	"	"	"	"	
Carbon Ranges C6-C12	ND	10 0	mg/kg dry	1	ED72701	04/27/07	05/01/07	EPA 8015M	
Carbon Ranges C12-C28	ND	100	It	n n	,,	11	"	n	
Carbon Ranges C28-C35	ND	10.0	11	"	п	"	и	n	
Total Hydrocarbons	ND	10.0	**	**	**	IF	н	Ħ	
Surrogate 1-Chlorooctane		80 4 %	70-13	30	"	"	"	n	
Surrogate 1-Chlorooctadecane		94.2 %	70-13	30	n	"	"	n	
SB-3 2' (7D27002-10) Soil									
Benzene	ND	0.00200	mg/kg dry	2	ED73006	04/30/07	04/30/07	EPA 8021B	
Toluene	ND	0.00200	n		11	"	**	**	
Ethylbenzene	J [0.00113]	0 00200	"	n	"	II	н	**	•
Xylene (p/m)	0.00487	0 00200	"	и	п	и	"	н	
Xylene (o)	ND	0.00200	II .	"	"	n	н	•	
Surrogate a,a,a-Trifluorotoluene		83 4 %	75-12	?5	"	"	"	"	
Surrogate 4-Bromofluorobenzene		85.0 %	75-12	?5	"	"	"	"	
Carbon Ranges C6-C12	14.5	10 0	mg/kg dry	1	ED72701	04/27/07	05/01/07	EPA 8015M	
Carbon Ranges C12-C28	53.9	10.0	ш	"	п	н	н	н	
Carbon Ranges C28-C35	10.8	10.0	"	п	"	"	**	н	
Total Hydrocarbons	79.2	10 0	и	"	11	R	н	"	
Surrogate 1-Chlorooctane		84.8 %	70-13	0	"	"	"	"	
Surrogate 1-Chlorooctadecane		100 %	70-13	0	"	"	,,	n .	

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Environmental Plus, Incorporated

P O Box 1558 Eunice NM, 88231 Project: Chevron/ Brunson Argo TB #1

Project Number. 200129

Project Manager David P. Duncan

## Organics by GC Environmental Lab of Texas

		Environ.	mentai La		-Aus				
Anglyta	Result	Reporting	Unrta						
Analyte	Kesun	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-3 5' (7D27002-11) Soil									
Benzene	ND	→ 0.00200	mg/kg dry	2	ED73006	04/30/07	04/30/07	EPA 8021B	
Toluene	ND	0.00200	"	и	п	н	**	"	
Ethylbenzene	ND	0.00200	"	u	11	u	н	**	
Xylene (p/m)	ND	0.00200	"	"	"	ш	н	и	
Xylene (o)	ND	0 00200	"	n	11	11	Ħ	***	
Surrogate a,a,a-Trifluorotoluene		946%	75-12	?5	"	"	n	"	
Surrogate 4-Bromofluorobenzene		88.8 %	75-12	?5	"	"	"	"	
Carbon Ranges C6-C12	12.4	10 0	mg/kg dry	1	ED72701	04/27/07	05/01/07	EPA 8015M	
Carbon Ranges C12-C28	37.3	10 0	"	"	•	"	'n	**	
Carbon Ranges C28-C35	J [9.31]	10.0	"	14	"	"	11	н	
Total Hydrocarbons	49.7	10 0	н	"	"	"	11	и	
Surrogate 1-Chlorooctane		85 0 %	70-13	30	"	"	"	"	_
Surrogate: 1-Chlorooctadecane		97.0 %	70-13	80	"	"	"	n	
SB-3 10' (7D27002-12) Soil									
Benzene	ND	0 00200	mg/kg dry	2	ED73006	04/30/07	04/30/07	EPA 8021B	
Toluene	ND	0.00200	"	**	"	**	"	11	
Ethylbenzene	ND	0 00200	11		. "	**	"		
Xylene (p/m)	ND	0 00200	n	н	"	17	n	n	
Xylene (o)	ND	0.00200	II.	**	н	н	п	"	
Surrogate a,a,a-Trifluorotoluene		93.4 %	75-12	?5	"	"	"	"	
Surrogate 4-Bromofluorobenzene		94.2 %	75-12	?5	"	n	"	"	
Carbon Ranges C6-C12	ND	10 0	mg/kg dry	1	ED72701	04/27/07	05/01/07	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	n	11	11	"	**	**	
Carbon Ranges C28-C35	ND	10.0	11	**	n		*	**	
Total Hydrocarbons	ND	10 0	11	**	"	н	11	n.	
Surrogate 1-Chlorooctane		83 4 %	70-13	10	"	"	"	n	
Surrogate 1-Chlorooctadecane		96.4 %	70-13	30	"	"	"	"	
SB-3 15' (7D27002-13) Soil									
Benzene	ND	0 00200	mg/kg dry	2	ED73006	04/30/07	04/30/07	EPA 8021B	
Toluene	ND	0.00200	11	11	**		"	**	
Ethylbenzene	ND	0 00200	н	"	н	"	и	**	
Xylene (p/m)	ND	0.00200	"	"	"	н	н	**	
Xylene (o)	ND	0.00200	11	11	"	**	**	II.	
Surrogate a,a,a-Trıfluorotoluene		95 2 %	75-12	5	"	"	"	"	
Surrogate 4-Bromofluorobenzene		94.2 %	75-12		"	"	"	n	
Carbon Ranges C6-C12	ND		mg/kg dry	1	ED72701	04/27/07	05/01/07	EPA 8015M	

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Project Chevron/ Brunson Argo TB #1

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P.O Box 1558 Eunice NM, 88231 Project Number 200129
Project Manager. David P. Duncan

#### Organics by GC Environmental Lab of Texas

			inchtai La						
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Not
SB-3 15' (7D27002-13) Soil									
Carbon Ranges C12-C28	ND	10 0	mg/kg dry	1	ED72701	04/27/07	05/01/07	EPA 8015M	
Carbon Ranges C28-C35	ND	10 0	n	"	n	н	"	11	
Total Hydrocarbons	ND	10.0	н	"	**	и	"	п	
Surrogate 1-Chlorooctane		81 2 %	70-13	10	"	"	"	п	
Surrogate: 1-Chlorooctadecane		93.0 %	70-13	0	"	"	"	n	
SB-3 20' (7D27002-14) Soil									
Benzene	ND	0 00200	mg/kg dry	2	ED73006	04/30/07	04/30/07	EPA 8021B	
Toluene	ND	0.00200	н	11	**	**	н	**	
Ethylbenzene	ND	0 00200	и	**	n	п	11	n	
Xylene (p/m)	ND	0.00200	11	**	**	н	u	11	
Xylene (o)	ND	0.00200	"	н	"		**	**	
Surrogate a,a,a-Trifluorotoluene		96.8 %	75-12	15		,,	"	"	
Surrogate 4-Bromofluorobenzene		93.6 %	75-12	5	"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	ED72701	04/27/07	05/01/07	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	11	**	*	11	**	
Carbon Ranges C28-C35	ND	10.0	II.	**	н	н	"	**	
Total Hydrocarbons	ND	10 0	"	**	15	**	н	11	
Surrogate: 1-Chlorooctane		76.8 %	70-13	0	,,	"	"	"	
Surrogate 1-Chlorooctadecane		900%	70-13	0	n	"	"	n	
SB-3 25' (7D27002-15) Soil									
Benzene	ND	0.00200	mg/kg dry	2	ED73006	04/30/07	04/30/07	EPA 8021B	
Toluene	ND	0 00200	ч	"	**	11	п	**	
Ethylbenzene	ND	0.00200	н	ш	"	"	"	n	
Xylene (p/m)	ND	0 00200	п	"	11	**	et	"	
Xylene (o)	ND	0.00200	"	**	*	н	11	**	
Surrogate a,a,a-Trifluorotoluene		90 4 %	75-12	5	"	"	"	"	
Surrogate 4-Bromofluorobenzene		90.0 %	75-12.	5	"	"	"	n	
Carbon Ranges C6-C12	ND	10 0	mg/kg dry	1	ED72701	04/27/07	05/01/07	EPA 8015M	
Carbon Ranges C12-C28	ND	10 0	"	n	11	**	н	11	
Carbon Ranges C28-C35	ND	10 0	**	H	н	п	11	н	
Total Hydrocarbons	ND	10 0	**	"	и	"	"	н	
Surrogate 1-Chlorooctane		70.2 %	70-13	0	"	"	n	"	
Surrogate 1-Chlorooctadecane		94.8 %	70-13		<i>"</i>	"	"	"	

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Project: Chevron/ Brunson Argo TB #1
Project Number. 200129

Fax. 505-394-2601

P O Box 1558 Eunice NM, 88231

Project Manager David P. Duncan

# Organics by GC Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	D.1 :	<b>5</b> - 1	D 1	<b>4</b> •	<b>3.6</b> at 1	**
	Result	Limit	Onns	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-3 30' (7D27002-16) Soil		_							<del></del>
Benzene	ND	0.00200	mg/kg dry	2	ED73006	04/30/07	04/30/07	EPA 8021B	
Toluene	ND	0.00200	"	**	**	**	п	**	
Ethylbenzene	ND	0.00200	п	**	"	"	"		
Xylene (p/m)	ND	0 00200	"	"	**	11	н	п	
Xylene (o)	· ND	0.00200		. "		"			
Surrogate a,a,a-Trifluorotoluene		101 %	75-1	25	"	"	"	"	
Surrogate 4-Bromofluorobenzene		96.4 %	75-1	25	"	"	"	n	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	ED72701	04/27/07	05/01/07	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	11	**	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	**	"	n	н	ц	**	
Total Hydrocarbons	ND	100	н	н	**	"	**	R .	
Surrogate 1-Chlorooctane		78.6 %	70-1	30	n	n	"	n	~
Surrogate 1-Chlorooctadecane		908%	70-1	30	"	"	"	"	
SB-4 2' (7D27002-17) Soil									
Benzene	ND	0.00200	mg/kg dry	2	ED73006	04/30/07	04/30/07	EPA 8021B	-
Toluene	ND	0.00200	n	"	н	н	11	n	
Ethylbenzene	ND	0.00200	п	н	"	"	**	11	
Xylene (p/m)	ND	0.00200	"	"	**	n	"	"	
Xylene (o)	ND	0.00200	n		11	ц	•	п	
Surrogate a,a,a-Trıfluorotoluene		85.2 %	75-1	25	"	"	n	"	
Surrogate 4-Bromofluorobenzene		798%	75-1	25	"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	ED72701	04/27/07	05/01/07	EPA 8015M	
Carbon Ranges C12-C28	ND	10 0	**	**	н	п	"	"	
Carbon Ranges C28-C35	ND	10.0	,,	п	"	"	п	n .	
Total Hydrocarbons	ND	10.0	"	**	н	н			
Surrogate 1-Chlorooctane	<u> </u>	83 4 %	70-1	30			"	,,	
Surrogate. 1-Chlorooctadecane		986%	70-1		n	"	"	"	
SB-4 5' (7D27002-18) Soil									
Benzene	ND	0.00200	mg/kg dry	2	ED73008	04/30/07	05/02/07	EPA 8021B	
Toluene	ND	0 00200	11	**	11	**	"	н	
Ethylbenzene	ND	0 00200	"	,,	n	"	п	11	
Xylene (p/m)	ND	0.00200	**	п	**	"	"	"	
Xylene (o)	ND	0 00200	11	"	п	п	**	"	
Surrogate a,a,a-Trifluorotoluene		82 8 %	75-1.	25	"	"	"	"	
Surrogate 4-Bromofluorobenzene		80.0 %	75-1		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0		1	ED72701	04/27/07	05/01/07	EPA 8015M	

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P.O. Box 1558 Eunice NM, 88231 Project Chevron/ Brunson Argo TB #1

Project Number. 200129 Project Manager. David P. Duncan Fax. 505-394-2601

## Organics by GC Environmental Lab of Texas

			mentai La						
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Not
SB-4 5' (7D27002-18) Soil									
Carbon Ranges C12-C28	ND	10 0	mg/kg dry	1	ED72701	04/27/07	05/01/07	EPA 8015M	
Carbon Ranges C28-C35	ND	10.0	н	п	п	**	п	11	
Total Hydrocarbons	ND	10.0	"	"	"	rr		**	
Surrogate 1-Chlorooctane		80.2 %	70-13	0	"	"	"	"	
Surrogate 1-Chlorooctadecane		910%	70-13	0	"	#	"	n .	
SB-4 10' (7D27002-19) Soil									
Benzene	ND	0 00200	mg/kg dry	2	ED73008	04/30/07	05/02/07	EPA 8021B	
Toluene	ND	0 00200	**	"	п	"	**	n	
Ethylbenzene	ND	0.00200	н	11	**	Ħ	н	11	
Xylene (p/m)	ND	0.00200	**	"	n	н	*	"	
Xylene (o)	ND	0.00200	n	п	11	**	н	"	
Surrogate a,a,a-Trifluorotoluene		77.0 %	75-12.	5	"	"	"	"	
Surrogate 4-Bromofluorobenzene		75.4 %	75-12.	5	"	"	n	"	
Carbon Ranges C6-C12	14.4	10.0	mg/kg dry	1	ED72701	04/27/07	05/01/07	EPA 8015M	
Carbon Ranges C12-C28	901	10.0	"	"	,,	11	"	н	
Carbon Ranges C28-C35	174	10.0	п	"	**	"	н	**	
Total Hydrocarbons	1090	10.0	**	**	"	п	**	и	
Surrogate 1-Chlorooctane		95.8 %	70-130	0	"	"	"	"	
Surrogate 1-Chlorooctadecane		111 %	70-130	0	"	"	u	"	
SB-4 15' (7D27002-20) Soil									
Benzene	ND	0 00200	mg/kg dry	2	ED73008	04/30/07	05/02/07	EPA 8021B	
Toluene	ND	0 00200	11	**	n	н	н	н	
Ethylbenzene	ND	0.00200	"	"	11	11	If	п	
Xylene (p/m)	ND	0.00200	н	"	"	**	11		
Xylene (o)	ND	0.00200	"	"	"	"	ii	**	
Surrogate a,a,a-Trifluorotoluene		77.8 %	75-12:	5	"	"	"	"	
Surrogate 4-Bromofluorobenzene		78 2 %	75-12:	5	"	"	"	"	
Carbon Ranges C6-C12	15.0	100	mg/kg dry	1	ED72701	04/27/07	05/01/07	EPA 8015M	
Carbon Ranges C12-C28	618	10.0	н	"	"	**	*	"	
Carbon Ranges C28-C35	102	100	"	n		**	п	"	
Total Hydrocarbons	735	10.0	и	н	"	н		11	
Surrogate 1-Chlorooctane		88 6 %	70-130	)	"	"	"	"	
Surrogate 1-Chlorooctadecane		109 %	70-130	)	"	"	"	"	

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Environmental Plus, Incorporated

P.O. Box 1558 Eunice NM, 88231 Project Chevron/ Brunson Argo TB #1

Project Number. 200129

Project Manager, David P. Duncan

#### Organics by GC

#### **Environmental Lab of Texas**

	<del></del>	Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-5 2' (7D27002-21) Soil									
Benzene	0.327	0.200	mg/kg dry	200	ED73008	04/30/07	05/02/07	EPA 8021B	
Toluene	3.44	0.200	**	"		н	11	"	
Ethylbenzene	11.3	0.200	**	•	н	11	11	н	
Xylene (p/m)	23.9	0 200	н	**	11	*	"	11	
Xylene (o)	4.19	0.200	11	11	"	11		"	r
Surrogate a,a,a-Trifluorotoluene		119 %	75-1	25	"	"	"	"	
Surrogate 4-Bromofluorobenzene		145 %	75-1	25	"	"	n	"	S-04
Carbon Ranges C6-C12	8570	100	mg/kg dry	10	ED72702	04/30/07	05/01/07	EPA 8015M	
Carbon Ranges C12-C28	33700	100	**	**	"	11	*	п	
Carbon Ranges C28-C35	ND	100	H	"	"	ш	Ħ	D.	
Total Hydrocarbons	42300	100	11	п		н	**	11	
Surrogate 1-Chlorooctane		21.2 %	70-1	30	"	"	"	"	S-06
Surrogate. 1-Chlorooctadecane		34.2 %	70-1	30	"	"	"	"	S-06
SB-5 5' (7D27002-22) Soil									
Benzene	ND	0 0250	mg/kg dry	25	ED73008	04/30/07	05/02/07	EPA 8021B	
Toluene	0.0380	0 0250	11	п	"	u	u	**	
Ethylbenzene	0.210	0.0250	**	**	**	**	"	11	
Xylene (p/m)	0.584	0 0250	**	**	11	"	"	**	
Xylene (o)	0.250	0 0250	п	tr	"	11	"	**	
Surrogate a,a,a-Trifluorotoluene		100 %	75-1	25	"	"	"	n	
Surrogate. 4-Bromofluorobenzene		129 %	75-1	25	"	"	"	"	S-04
Carbon Ranges C6-C12	295	50 0	mg/kg dry	5	ED72702	04/30/07	05/01/07	EPA 8015M	
Carbon Ranges C12-C28	1360	50 0	"	"	*1		и	n	
Carbon Ranges C28-C35	183	50.0	п	"		n	"	11	
Total Hydrocarbons	1840	50.0	"	"	11	11		**	
Surrogate 1-Chlorooctane		17 4 %	70-1	30	,,	"	"	n	S-06
Surrogate 1-Chlorooctadecane		21 4 %	70-1	30	"	"	"	n	S-06
SB-5 10' (7D27002-23) Soil									
Benzene	ND	0 0250	mg/kg dry	25	ED73008	04/30/07	05/02/07	EPA 8021B	
Toluene	J [0.0118]	0 0250	"	**	**	ш	н	**	1
Ethylbenzene	0.0556	0.0250	n	**	н	"	ii .	"	
Xylene (p/m)	0.148	0.0250	**	11	**	11	н	п	
Xylene (o)	0.0587	0.0250	Ħ	*		"		**	
Surrogate a,a,a-Trifluorotoluene		100 %	75-1	25	"	"	,,	"	
Surrogate 4-Bromofluorobenzene		106 %	75-1	25	η	"	"	"	
Carbon Ranges C6-C12	331	50.0	mg/kg dry	5	ED72702	04/30/07	05/01/07	EPA 8015M	

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Environmental Plus, Incorporated Project Chevron/ Brunson Argo TB #1
P.O. Box 1558 Project Number 200129

Eunice NM, 88231 Project Manager David P Duncan

## Organics by GC Environmental Lab of Texas

		- Lilviron	mentai La	10 01 10					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
SB-5 10' (7D27002-23) Soil	<u>.</u>								
Carbon Ranges C12-C28	3890	50.0	mg/kg dry	5	ED72702	04/30/07	05/01/07	EPA 8015M	
Carbon Ranges C28-C35	627	50.0	**	"	"	11	**	**	
Total Hydrocarbons	4850	50 0	"	**	tt.	**	**	"	
Surrogate 1-Chlorooctane		15 2 %	70-1.	30	,,	"	"	"	S-0
Surrogate 1-Chlorooctadecane		15.9 %	70-1.	30	"	n	n	"	S-0
SB-5 15' (7D27002-24) Soil									_
Benzene	ND	0 00200	mg/kg dry	2	ED73008	04/30/07	05/02/07	EPA 8021B	
Toluene	ND	0.00200	**	"	n.	"		**	
Ethylbenzene	ND	0.00200	**	11		11	п	ite	
Xylene (p/m)	ND	0.00200	11		u	и	"	n	
Xylene (o)	ND	0 00200	**	ш	,,	"	п	***	
Surrogate a,a,a-Trifluorotoluene		77.2 %	75-1.	25	"	"	"	"	
Surrogate 4-Bromofluorobenzene		796%	75-1.	25	"	"	"	"	
Carbon Ranges C6-C12	ND	10 0	mg/kg dry	1	ED72702	04/30/07	05/01/07	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	,,	п	**	11	**	"	
Carbon Ranges C28-C35	ND	10 0	n	,,	**	"	11	br	
Total Hydrocarbons	ND	10 0	**	11	н	"	n	н	
Surrogate 1-Chlorooctane		70.4 %	70-1.	30	n	"	"	n	
Surrogate 1-Chlorooctadecane		74 4 %	70-1.	30	"	n	"	"	
SB-6 2' (7D27002-25) Soil									
Benzene	ND	0 00200	mg/kg dry	2	ED73008	04/30/07	05/02/07	EPA 8021B	
Toluene	ND	0.00200	"	**	**	n	u	"	
Ethylbenzene	ND	0 00200	н	**	**	"	**	P	
Xylene (p/m)	ND	0 00200	**	"		n	"	"	
Xylene (o)	ND	0 00200	н		11	"	**	**	
Surrogate a,a,a-Trifluorotoluene		84 0 %	75-12	25	"	"	"	"	
Surrogate 4-Bromofluorobenzene		89 2 %	75-12	25	"	"	"	n	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	ED72702	04/30/07	05/01/07	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	н	"	"	"	
Carbon Ranges C28-C35	ND	10 0	**	п	"	п	п	**	
Total Hydrocarbons	ND	10 0	"	**	11	n	•	"	
Surrogate 1-Chlorooctane		70 6 %	70-13	30	"	,,	"	"	
Surrogate 1-Chlorooctadecane		70.0 %	70-13		"	n	"	n	

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Project. Chevron/ Brunson Argo TB #1
Project Number. 200129

Fax 505-394-2601

P.O. Box 1558 Eunice NM, 88231

Project Manager David P Duncan

#### Organics by GC Environmental Lab of Texas

l	ъ. т.	Reporting	**						
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
SB-6 5' (7D27002-26) Soil									
Benzene	ND	0.00200	mg/kg dry	2	ED73008	04/30/07	05/02/07	EPA 8021B	
Toluene	ND	0.00200	"	*1	"	**	п	11	
Ethylbenzene	ND	0.00200	11	**	"	"	**	11	
Xylene (p/m)	ND	0 00200	"	"	"	"	"	•	
Xylene (o)	ND	0.00200	н	"	"	**	**	**	
Surrogate a,a,a-Trifluorotoluene		77.2 %	75-12	?5	"	"	n	"	
Surrogate 4-Bromofluorobenzene		780%	75-12	25	"	"	"	n	
Carbon Ranges C6-C12	ND	10 0	mg/kg dry	1	ED72702	04/30/07	05/01/07	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	n	"	n	11	н	**	
Carbon Ranges C28-C35	ND	10.0	n	**	п	11	и	**	
Total Hydrocarbons	ND	10.0	н	"	n	"	11	**	
Surrogate · 1-Chlorooctane		71.6 %	70-13	30	"	"	"	"	
Surrogate 1-Chlorooctadecane		78 8 %	70-13	80	"	"	"	"	
SB-6 10' (7D27002-27) Soil									
Benzene	ND	0.00200	mg/kg dry	2	ED73008	04/30/07	05/02/07	EPA 8021B	
Toluene	ND	0.00200	"	**		11	"	**	
Ethylbenzene	ND	0 00200	**	"	te	и	п	11	
Xylene (p/m)	ND	0 00200	**	**	**	п	**	н	
Xylene (o)	ND	0.00200	n	**	*1	11	**	11	
Surrogate a,a,a-Trifluorotoluene		85.8 %	75-12	!5	"	"	"	"	
Surrogate 4-Bromofluorobenzene		84 4 %	75-12	5	"	"	"	"	
Carbon Ranges C6-C12	ND	100	mg/kg dry	1	ED72702	04/30/07	05/01/07	EPA 8015M	
Carbon Ranges C12-C28	ND	10 0	"	п	**	п	**	11	
Carbon Ranges C28-C35	ND	10 0	"	**	п	"	ч	11	
Total Hydrocarbons	ND	10.0	"	**	μ	**	**	**	
Surrogate: 1-Chlorooctane		70 2 %	70-13	0	"	"	n	"	
Surrogate 1-Chlorooctadecane		75.4 %	70-13	0	"	"	,,	"	

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P.O Box 1558 Eunice NM, 88231 Project Chevron/ Brunson Argo TB #1

Project Number. 200129

Project Manager David P Duncan

Fax 505-394-2601

#### General Chemistry Parameters by EPA / Standard Methods Environmental Lab of Texas

									1
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-1 2' (7D27002-01) Soil									
Chloride	J [6.90]	10.0	mg/kg	20	EE70706	05/07/07	05/07/07	EPA 300 0	J
% Moisture	6.5	0.1	%	1	ED73004	04/27/07	04/27/07	% calculation	
Sulfate	16.0	10.0	mg/kg	20	EE70706	05/07/07	05/07/07	EPA 300 0	
SB-1 5' (7D27002-02) Soil									
Chloride	35.8	5.00	mg/kg	10	EE70706	05/07/07	05/07/07	EPA 300 0	
% Moisture	7.9	0 1	%	1	ED73004	04/27/07	04/27/07	% calculation	
Sulfate	24.8	5 00	mg/kg	10	EE70706	05/07/07	05/07/07	EPA 300 0	
SB-1 10' (7D27002-03) Soil									
Chloride	21.6	5.00	mg/kg	10	EE70706	05/07/07	05/07/07	EPA 300 0	
% Moisture	11.1	0.1	%	1	ED73004	04/27/07	04/27/07	% calculation	
Sulfate	20.3	5.00	mg/kg	10	EE70706	05/07/07	05/07/07	EPA 300.0	
SB-1 15' (7D27002-04) Soil									
Chloride	13.3	5.00	mg/kg	10	EE70706	05/07/07	05/07/07	EPA 300 0	
% Moisture	12.8	0.1	%	1	ED73004	04/27/07	04/27/07	% calculation	
Sulfate	16.1	5.00	mg/kg	10	EE70706	05/07/07	05/07/07	EPA 300 0	
SB-1 20' (7D27002-05) Soil									
Chloride	J [4.54]	5 00	mg/kg	10	EE70706	05/07/07	05/07/07	EPA 300 0	J
% Moisture	11.3	0.1	%	1	ED73004	04/27/07	04/27/07	% calculation	
Sulfate	11.6	5 00	mg/kg	10	EE70706	05/07/07	05/07/07	EPA 300 0	
SB-2 2' (7D27002-06) Soil									
Chloride	J [7.07]	10.0	mg/kg	20	EE70706	05/07/07	05/07/07	EPA 300 0	J
% Moisture	13.2	0.1	%	i	ED73004	04/27/07	04/27/07	% calculation	
Sulfate	26.3	10.0	mg/kg	20	EE70706	05/07/07	05/07/07	EPA 300 0	
SB-2 5' (7D27002-07) Soil									
Chloride	74.6	10.0	mg/kg	20	EE70706	05/07/07	05/07/07	EPA 300 0	
% Moisture	9.9	0 1	%	1	ED73004	04/27/07	04/27/07	% calculation	
Sulfate	42.4	10 0	mg/kg	20	EE70706	05/07/07	05/07/07	EPA 300 0	

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P O Box 1558 Eunice NM, 88231 Project. Chevron/ Brunson Argo TB #1

Project Number. 200129

Project Manager David P. Duncan

Fax. 505-394-2601

#### General Chemistry Parameters by EPA / Standard Methods Environmental Lab of Texas

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-2 10' (7D27002-08) Soil									
Chloride	52.6	5.00	mg/kg	10	EE70706	05/07/07	05/07/07	EPA 300 0	
% Moisture	7.8	0.1	%	1	ED73004	04/27/07	04/27/07	% calculation	
Sulfate	24.4	5.00	mg/kg	10	EE70706	05/07/07	05/07/07	EPA 300 0	
SB-2 15' (7D27002-09) Soil									
Chloride	11.4	5.00	mg/kg	10	EE70706	05/07/07	05/07/07	EPA 300 0	
% Moisture	10.4	0 1	%	1	ED73004	04/27/07	04/27/07	% calculation	
Sulfate	23.8	5.00	mg/kg	10	EE70706	05/07/07	05/07/07	EPA 300 0	
SB-3 2' (7D27002-10) Soil									
Chloride	338	25 0	mg/kg	50	EE70706	05/07/07	05/07/07	EPA 300 0	
% Moisture	8.3	0.1	%	1	ED73004	04/27/07	04/27/07	% calculation	
Sulfate	91.4	25.0	mg/kg	50	EE70706	05/07/07	05/07/07	EPA 300 0	
SB-3 5' (7D27002-11) Soil									
Chloride	150	10 0	mg/kg	20	EE70706	05/07/07	05/07/07	EPA 300 0	
% Moisture	7.9	0 1	%	1	ED73004	04/27/07	04/27/07	% calculation	
Sulfate	21.4	10.0	mg/kg	20	EE70706	05/07/07	05/07/07	EPA 300 0	
SB-3 10' (7D27002-12) Soil									_
Chloride	588	50.0	mg/kg	100	EE70706	05/07/07	05/07/07	EPA 300 0	
% Moisture	8.2	0.1	%	1	ED73004	04/27/07	04/27/07	% calculation	
Sulfate	67.4	50 0	mg/kg	100	EE70706	05/07/07	05/07/07	EPA 300 0	
SB-3 15' (7D27002-13) Soil									
Chloride	303	10.0	mg/kg	20	EE70706	05/07/07	05/07/07	EPA 300 0	
% Moisture	7.9	0.1	%	1	ED73004	04/27/07	04/27/07	% calculation	
Sulfate	28.0	10.0	mg/kg	20	EE70706	05/07/07	05/07/07	EPA 300 0	
SB-3 20' (7D27002-14) Soil									
Chloride	171	50.0	mg/kg	100	EE70706	05/07/07	05/07/07	EPA 300.0	_
% Moisture	7.4	0 1	%	1	ED73004	04/27/07	04/27/07	% calculation	
Sulfate	69.1	50.0	mg/kg	100	EE70706	05/07/07	05/07/07	EPA 300 0	

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P.O. Box 1558 Eunice NM, 88231 Project. Chevron/ Brunson Argo TB #1

Project Number. 200129

Project Manager David P Duncan

#### General Chemistry Parameters by EPA / Standard Methods Environmental Lab of Texas

						_			
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
SB-3 25' (7D27002-15) Soil									
Chloride	93.3	5.00	mg/kg	10	EE70706	05/07/07	05/07/07	EPA 300 0	
% Moisture	2.6	0.1	%	1	ED73004	04/27/07	04/27/07	% calculation	
Sulfate	21.1	5.00	mg/kg	10	EE70706	05/07/07	05/07/07	EPA 300 0	
SB-3 30' (7D27002-16) Soil									
Chloride	78.1	20 0	mg/kg	40	EE70706	05/07/07	05/07/07	EPA 300 0	
% Moisture	2.7	0 1	%	1	ED73004	04/27/07	04/27/07	% calculation	
Sulfate	30.5	20.0	mg/kg	40	EE70706	05/07/07	05/07/07	EPA 300 0	
SB-4 2' (7D27002-17) Soil									
Chloride	159	10.0	mg/kg	20	EE70706	05/07/07	05/07/07	EPA 300.0	
% Moisture	12.5	0 1	%	1	ED73004	04/27/07	04/27/07	% calculation	
Sulfate	28.7	10 0	mg/kg	20	EE70706	05/07/07	05/07/07	EPA 300 0	
SB-4 5' (7D27002-18) Soil									
Chloride	126	5.00	mg/kg	10	EE70706	05/07/07	05/07/07	EPA 300 0	
% Moisture	10.2	0 1	%	1	ED73004	04/27/07	04/27/07	% calculation	
Sulfate	56.3	5 00	mg/kg	10	EE70706	05/07/07	05/07/07	EPA 300 0	
SB-4 10' (7D27002-19) Soil									
Chloride	106	5 00	mg/kg	10	EE70706	05/07/07	05/07/07	EPA 300 0	
% Moisture	7.3	0.1	%	1	ED73004	04/27/07	04/27/07	% calculation	
Sulfate	44.6	5.00	mg/kg	10	EE70706	05/07/07	05/07/07	EPA 300 0	
SB-4 15' (7D27002-20) Soil									
Chloride	201	50 0	mg/kg	100	EE70706	05/07/07	05/07/07	EPA 300 0	
% Moisture	8.6	0.1	%	1	ED73004	04/27/07	04/27/07	% calculation	
Sulfate	116	50.0	mg/kg	100	EE70706	05/07/07	05/07/07	EPA 300 0	
SB-5 2' (7D27002-21) Soil			_						
Chloride	12.7	10.0	mg/kg	20	EE70708	05/07/07	05/07/07	EPA 300.0	
% Moisture	15.3	0.1	%	l	ED73004	04/27/07	04/27/07	% calculation	
Sulfate	879	10.0	mg/kg	20	EE70708	05/07/07	05/07/07	EPA 300 0	

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P O Box 1558 Eunice NM, 88231 Project Chevron/ Brunson Argo TB #1

Project Number 200129

Project Manager. David P. Duncan

Fax 505-394-2601

#### General Chemistry Parameters by EPA / Standard Methods Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Deluter	Datab	Dramanad	A maluma J	Mathad	Na
SB-5 5' (7D27002-22) Soil		Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SD-3 5 (/D2/002-22) S0II								<del></del>	·
Chloride	16.5	5 00	mg/kg	10	EE70708	05/07/07	05/07/07	EPA 300 0	
% Moisture	10.9	0.1	%	1	ED73004	04/27/07	04/27/07	% calculation	
Sulfate	23.7	5 00	mg/kg	10	EE70708	05/07/07	05/07/07	EPA 300 0	
SB-5 10' (7D27002-23) Soil									
Chloride	21.6	5 00	mg/kg	10	EE70708	05/07/07	05/07/07	EPA 300 0	
% Moisture	8.7	0.1	%	1	ED73004	04/27/07	04/27/07	% calculation	
Sulfate	42.5	5 00	mg/kg	10	EE70708	05/07/07	05/07/07	EPA 300.0	
SB-5 15' (7D27002-24) Soil									
Chloride	J [4.48]	5.00	mg/kg	10	EE70708	05/07/07	05/07/07	EPA 300.0	
% Moisture	10.7	0.1	%	1	ED73004	04/27/07	04/27/07	% calculation	
Sulfate	36.4	5 00	mg/kg	10	EE70708	05/07/07	05/07/07	EPA 300 0	
SB-6 2' (7D27002-25) Soil									
Chloride	J [3.70]	5 00	mg/kg	10	EE70708	05/07/07	05/07/07	EPA 300 0	
% Moisture	2.5	0.1	%	1	ED73004	04/27/07	04/27/07	% calculation	
Sulfate	8.15	5 00	mg/kg	10	EE70708	05/07/07	05/07/07	EPA 300 0	
SB-6 5' (7D27002-26) Soil		_							
Chloride	5.46	5 00	mg/kg	10	EE70708	05/07/07	05/07/07	EPA 300 0	
% Moisture	5.8	0 1	%	1	ED73004	04/27/07	04/27/07	% calculation	
Sulfate	30.0	5 00	mg/kg	10	EE70708	05/07/07	05/07/07	EPA 300 0	
SB-6 10' (7D27002-27) Soil									
Chloride	115	10.0	mg/kg	20	EE70708	05/07/07	05/07/07	EPA 300 0	
% Moisture	5.3	0 1	%	1	ED73004	04/27/07	04/27/07	% calculation	
Sulfate	2040	10.0	mg/kg	20	EE70708	05/07/07	05/07/07	EPA 300 0	

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P.O Box 1558 Eunice NM, 88231 Project. Chevron/ Brunson Argo TB #1

Project Number: 200129

Project Manager. David P. Duncan

Fax. 505-394-2601

#### Organics by GC - Quality Control Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED72507 - Solvent Extraction (GC)										
Blank (ED72507-BLK1)				Prepared 0	4/25/07 A	nalyzed. 05	5/01/07			
Carbon Ranges C6-C12	ND	10.0	mg/kg wet							
Carbon Ranges C12-C28	ND	100	"							
Carbon Ranges C28-C35	ND	10 0	11							
Total Hydrocarbons	ND	10 0	н							
Surrogate 1-Chlorooctane	40 3		mg/kg	50 0		80 6	70-130			
Surrogate 1-Chlorooctadecane	47 7		"	50 0		95 4	70-130			
LCS (ED72507-BS1)				Prepared. 0	4/25/07 A	nalyzed. 05	5/01/07			
Carbon Ranges C6-C12	600	100	mg/kg wet	500		120	75-125			
Carbon Ranges C12-C28	471	10 0	**	500		94 2	75-125			
Carbon Ranges C28-C35	ND	10 0	"	0 00			75-125			
Total Hydrocarbons	1070	100	"	1000		107	75-125			
Surrogate 1-Chlorooctane	46 1		mg/kg	50 0		92 2	70-130			
Surrogate 1-Chlorooctadecane	49 5		"	50 0		99 0	70-130			
Calibration Check (ED72507-CCV1)				Prepared. 0	4/25/07 A	nalyzed. 05	/01/07			
Carbon Ranges C6-C12	211		mg/kg	250		84 4	80-120			
Carbon Ranges C12-C28	207		п	250		82 8	80-120			
Total Hydrocarbons	418		II.	500		83 6	80-120			
Surrogate 1-Chlorooctane	49 6		"	50 0		99 2	70-130			
Surrogate 1-Chlorooctadecane	57 8		"	50 0		116	70-130			
Matrix Spike (ED72507-MS1)	Sou	rce: 7D24008	3-04	Prepared: 0	4/25/07 Ai	nalyzed 05	/01/07			
Carbon Ranges C6-C12	636	100	mg/kg dry	515	ND	123	75-125			
Carbon Ranges C12-C28	538	100	**	515	ND	104	75-125			
Carbon Ranges C28-C35	ND	100		0 00	ND		75-125			
Total Hydrocarbons	1170	100	"	1030	ND	114	75-125			
Surrogate 1-Chlorooctane	64 0		mg/kg	50 0		128	70-130			

50 0

58 0

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Surrogate 1-Chlorooctadecane

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Project. Chevron/ Brunson Argo TB #1

Fax 505-394-2601

P.O. Box 1558 Eunice NM, 88231 Project Number. 200129
Project Manager. David P. Duncan

#### Organics by GC - Quality Control Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED72507 - Solvent Extraction (GC)										
		5D4400			04/05/05 :	1 1 2	- /01 /07			
Matrix Spike Dup (ED72507-MSD1)		rce: 7D24008			04/25/07 A					
Carbon Ranges C6-C12	641	10.0	mg/kg dry	515	ND	124	75-125	0 810	20	
Carbon Ranges C12-C28	529	100	li .	515	ND	103	75-125	0 966	20	
Carbon Ranges C28-C35	ND	10 0	"	0 00	ND		75-125		20	
Total Hydrocarbons	1170	10 0	"	1030	ND	114	75-125	0 00	20	
Surrogate 1-Chlorooctane	61 4		mg/kg	50 0		123	70-130			-
Surrogate 1-Chlorooctadecane	52 0		"	500		104	70-130			
Batch ED72701 - Solvent Extraction (GC)									-	
Blank (ED72701-BLK1)				Prepared: 6	04/27/07 A	nalyzed. 05	5/01/07			
Carbon Ranges C6-C12	ND	10 0	mg/kg wet							
Carbon Ranges C12-C28	ND	10 0	"							
Carbon Ranges C28-C35	ND	10 0	"							
Total Hydrocarbons	ND	10 0	"							
Surrogate 1-Chlorooctane	46 0		mg/kg	50 0		92 0	70-130			
Surrogate 1-Chlorooctadecane	49 3		"	50 0		98 6	70-130			
LCS (ED72701-BS1)				Prepared (	04/27/07 A	nalyzed 05	5/01/07			
Carbon Ranges C6-C12	605	100	mg/kg wet	500		121	75-125			
Carbon Ranges C12-C28	478	100	п	500		95 6	75-125			
Carbon Ranges C28-C35	ND	10 0	п	0 00			75-125			
Total Hydrocarbons	1080	10 0	н	1000		108	75-125			
Surrogate 1-Chlorooctane	54 9		mg/kg	50 0		110	70-130			
Surrogate 1-Chlorooctadecane	50 8		"	50 0		102	70-130			
Calibration Check (ED72701-CCV1)				Prepared. (	04/27/07 A	nalyzed. 05	5/01/07			
Carbon Ranges C6-C12	216		mg/kg	250		86 4	80-120			
Carbon Ranges C12-C28	214		"	250		85.6	80-120			
Total Hydrocarbons	430		"	500		86 0	80-120			
Surrogate 1-Chlorooctane	51 1		n	50 0		102	70-130			

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Surrogate 1-Chlorooctadecane

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50 0

P O. Box 1558 Eunice NM, 88231 Project. Chevron/ Brunson Argo TB #1

Project Number 200129

Project Manager David P Duncan

Fax: 505-394-2601

#### Organics by GC - Quality Control Environmental Lab of Texas

		Reporting		Spike	Source	0/5	%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch ED72701 - Solvent Extraction (GC)										
Matrix Spike (ED72701-MS1)	Sou	rce: 7D27002	2-04	Prepared.	04/27/07 A	nalyzed. 05	5/02/07			
Carbon Ranges C6-C12	690	10 0	mg/kg dry	573	ND	120	75-125			
Carbon Ranges C12-C28	547	10 0	"	573	ND	95 5	75-125			
Carbon Ranges C28-C35	ND	100	"	0 00	ND		75-125			
Total Hydrocarbons	1240	10 0	"	1150	ND	108	75-125			
Surrogate 1-Chlorooctane	59 3		mg/kg	50 0		119	70-130			
Surrogate 1-Chlorooctadecane	56 3		"	50 0		113	70-130			
Matrix Spike Dup (ED72701-MSD1)	Sou	rce: 7D27002	2-04	Prepared (	04/27/07 A	nalyzed. 05	5/02/07			
Carbon Ranges C6-C12	648	100	mg/kg dry	573	ND	113	75-125	6 01	20	
Carbon Ranges C12-C28	511	10 0	11	573	ND	89 2	75-125	6 82	20	
Carbon Ranges C28-C35	ND	10 0	и	0 00	ND		75-125		20	
Total Hydrocarbons	1160	10 0	п	1150	ND	101	75-125	6 70	20	
Surrogate 1-Chlorooctane	53 8		mg/kg	50 0		108	70-130			
Surrogate 1-Chlorooctadecane	50 1		"	50 0		100	70-130			
Batch ED72702 - Solvent Extraction (GC)										
Blank (ED72702-BLK1)				Prepared.	04/30/07 A	nalyzed. 05	5/01/07			
Carbon Ranges C6-C12	ND	10 0	mg/kg wet							
Carbon Ranges C12-C28	ND	10 0	**							
Carbon Ranges C28-C35	ND	10 0	"							
Total Hydrocarbons	ND	10 0	"							
Surrogate 1-Chlorooctane	36 5		mg/kg	50 0		73 0	70-130	·		
Surrogate 1-Chlorooctadecane	37 3		"	50 0		74 6	70-130			
LCS (ED72702-BS1)				Prepared. (	04/30/07 A	nalyzed. 05	5/01/07			
Carbon Ranges C6-C12	614	100	mg/kg wet	500		123	75-125			
Carbon Ranges C12-C28	551	10 0	"	500		110	75-125			

ND

1160

44 3

393

100

100

mg/kg

0.00

1000

50 0

50 0

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Carbon Ranges C28-C35

Surrogate 1-Chlorooctane

Surrogate 1-Chlorooctadecane

Total Hydrocarbons

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75-125

75-125

70-130

70-130

116

88 6

78 6

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P O Box 1558

Eunice NM, 88231

Project: Chevron/ Brunson Argo TB #1

Project Number 200129

Project Manager David P. Duncan

Fax 505-394-2601

#### Organics by GC - Quality Control Environmental Lab of Texas

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch ED72702 - Solvent Extraction (GC)										
Calibration Check (ED72702-CCV1)				Prepared. (	04/30/07 A	nalyzed 05	5/01/07			
Carbon Ranges C6-C12	290		mg/kg	250		116	80-120			
Carbon Ranges C12-C28	252		"	250		101	80-120			
Total Hydrocarbons	542		II .	500		108	80-120			
Surrogate 1-Chlorooctane	43 4		"	50 0		86 8	70-130			
Surrogate 1-Chlorooctadecane	40 2		"	50 0		80 4	70-130			
Matrix Spike (ED72702-MS1)	Sou	rce: 7D27002	2-24	Prepared (	04/30/07 A	nalyzed. 05	5/02/07			
Carbon Ranges C6-C12	636	10 0	mg/kg dry	560	ND	114	75-125			
Carbon Ranges C12-C28	535	10 0	"	560	ND	95.5	75-125			
Carbon Ranges C28-C35	ND	10 0	"	0 00	ND		75-125			
Total Hydrocarbons	1170	10 0	"	1120	ND	104	75-125			
Surrogate 1-Chlorooctane	42 7		mg/kg	50 0		85 4	70-130			
Surrogate 1-Chlorooctadecane	37 6		"	50 0		75 2	70-130			
Matrix Spike Dup (ED72702-MSD1)	Sou	rce: 7D27002	2-24	Prepared.	04/30/07 A	nalyzed 05	5/02/07			
Carbon Ranges C6-C12	677	10 0	mg/kg dry	560	ND	121	75-125	5 96	20	
Carbon Ranges C12-C28	598	10.0	"	560	ND	107	75-125	114	20	
Carbon Ranges C28-C35	ND	100	*	0 00	ND		75-125		20	
Total Hydrocarbons	1270	10.0	*	1120	ND	113	75-125	8 29	20	
Surrogate 1-Chlorooctane	52 9		mg/kg	50 0		106	70-130			
Surrogate 1-Chlorooctadecane	47 1		"	50 0		94 2	70-130			
Batch ED73006 - EPA 5030C (GC)										
Blank (ED73006-BLK1)				Prepared &	k Analyzed	. 04/30/07				
Benzene	ND	0 00100	mg/kg wet							
Toluene	ND	0 00100	**							
Ethylbenzene	ND	0 00100	**							
Xylene (p/m)	ND	0 00100	**							

ND

52 0

53 O

0 00100

ug/kg

50 0

50 0

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Xylenc (o)

Surrogate a,a,a-Trifluorotoluene

Surrogate 4-Bromofluorobenzene

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75-125

75-125

104

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Project Chevron/ Brunson Argo TB #1

Fax 505-394-2601

Eunice NM, 88231

Project Number 200129
Project Manager, David P. Duncan

#### Organics by GC - Quality Control Environmental Lab of Texas

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch ED73006 - EPA 5030C (GC)										
LCS (ED73006-BS1)				Prepared o	& Analyze	ed 04/30/07				
Benzene	0 0544	0 00100	mg/kg wet	0 0500		109	80-120			
Tolucne	0 0556	0 00100	п	0 0500		111	80-120			
Ethylbenzene	0 0570	0 00100	11	0 0500		114	80-120			
Xylene (p/m)	0.107	0 00100	u	0 100		107	80-120			
Xylene (o)	0 0564	0 00100	H	0 0500		113	80-120			
Surrogate a,a,a-Trifluorotoluene	54 2		ug/kg	50 0		108	75-125			
Surrogate 4-Bromofluorobenzene	55 6		"	50 0		111	75-125			
Calibration Check (ED73006-CCV1)				Prepared 6	& Analyze	ed 04/30/07				
Benzene	53 6		ug/kg	50 0		107	80-120			
Toluene	54 7		**	50 0		109	80-120			
Ethylbenzene	56 0		"	50 0		112	80-120			
Xylene (p/m)	102		**	100		102	80-120			
Xylene (o)	55 9		**	50 0		112	80-120			
Surrogate a,a,a-Trifluorotoluene	53 2		"	50 0		106	75-125			
Surrogate 4-Bromofluorobenzene	518		"	50 0		104	75-125			
Matrix Spike (ED73006-MS1)	Sou	rce: 7D26005	5-03	Prepared	04/30/07	Analyzed 0:	5/02/07			
Benzene	0 0990	0 00200	mg/kg dry	0 107	ND	92.5	80-120			
Toluene	0 0981	0 00200	**	0 107	ND	91 7	80-120			
Ethylbenzene	0 103	0 00200	**	0 107	ND	96 3	80-120			
Xylene (p/m)	0 190	0.00200	"	0.215	ND	88 4	80-120			
Xylene (o)	0 0995	0.00200	**	0 107	ND	93 0	80-120			
Surrogate a,a,a-Trifluorotoluene	43 8		ug/kg	50 0		87 6	75-125			
Surrogate 4-Bromofluorobenzene	43 7		"	50 0		87 4	75-125			
Matrix Spike Dup (ED73006-MSD1)	Sou	rce: 7D26005	5-03	Prepared	04/30/07	Analyzed 0:	5/02/07			
Benzene	0 102	0 00200	mg/kg dry	0 107	ND	95 3	80-120	2 98	20	
Toluene	0 102	0 00200	п	0 107	ND	95 3	80-120	3 85	20	
Ethylbenzene	0 104	0 00200	u	0 107	ND	97 2	80-120	0 930	20	
Xylene (p/m)	0 193	0 00200	11	0 215	ND	89 8	80-120	1 57	20	
Xylene (o)	0 101	0 00200	11	0 107	ND	94 4	80-120	1 49	20	
Surrogate a,a,a-Trıfluorotoluene	46 4		ug/kg	50 0		92 8	75-125			
Surrogate 4-Bromofluorobenzene	45 9		n	50 0		918	75-125			

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Environmental Plus, Incorporated Project. Chevron/ Brunson Argo TB #1
P O Box 1558 Project Number Eunice NM, 88231 Project Manager David P Duncan

#### Organics by GC - Quality Control Environmental Lab of Texas

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch ED73008 - EPA 5030C (GC)										
Blank (ED73008-BLK1)				Prepared 0	04/30/07 A1	nalyzed. 05	/02/07			
Benzene	ND	0 00100	mg/kg wet							
Toluene	ND	0 00100	и							
Ethylbenzene	ND	0 00100	II .							
Xylene (p/m)	ND	0 00100	II .							
Xylene (o)	ND	0 00100	11							
Surrogate a,a,a-Trifluorotoluene	52 3		ug/kg	50 0		105	75-125			
Surrogate 4-Bromofluorobenzene	49 5		"	50 0		99 0	75-125			
LCS (ED73008-BS1)				Prepared. (	04/30/07 Aı	nalyzed. 05	/02/07			
Benzene	0 0550	0 00100	mg/kg wet	0 0500		110	80-120			
Toluene	0 0558	0 00100	"	0.0500		112	80-120			
Ethylbenzene	0 0562	0 00100	"	0 0500		112	80-120			
Xylene (p/m)	0 105	0 00100	**	0.100		105	80-120			
Xylene (o)	0 0559	0 00100	"	0.0500		112	80-120			
Surrogate a,a,a-Trıfluorotoluene	56 3	1111111	ug/kg	50 0		113	75-125			
Surrogate 4-Bromofluorobenzene	54 8		"	50 0		110	75-125			
Calibration Check (ED73008-CCV1)				Prepared. 0	04/30/07 A	nalyzed. 05	/02/07			
Benzene	0 103		mg/kg wet	0 100		103	80-120			
Toluene	0 106		11	0 100		106	80-120			
Ethylbenzene	0 106		51	0 100		106	80-120			
Xylene (p/m)	0 200		"	0 200		100	80-120			
Xylene (o)	0 109		"	0 100		109	80-120			
Surrogate a,a,a-Trifluorotoluene	49 2		ug/kg	50 0		98 4	75-125			
Surrogate 4-Bromofluorobenzene	50 5		"	50 0		101	75-125			
Matrix Spike (ED73008-MS1)	Sou	ırce: 7D27002	-18	Prepared: 0	04/30/07 At	nalyzed· 05	/02/07			
Benzene	0 0943	0 00200	mg/kg dry	0 111	ND	85 0	80-120			
Toluene	0.0934	0 00200	**	0 111	ND	84 1	80-120			
Ethylbenzene	0 0940	0 00200	**	0 111	ND	84 7	80-120			
Xylene (p/m)	0 179	0 00200	**	0 223	ND	80 3	80-120			
Xylene (o)	0 0910	0 00200	11	0 111	ND	82 0	80-120			
Surrogate a,a,a-Trifluorotoluene	37 7	187 40	ug/kg	50 0		75 4	75-125			
Surrogate 4-Bromofluorobenzene	38 0		"	50 0		76 0	75-125			

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Project Number Chevron/ Brunson Argo TB #1
Project Number 200129

Fax. 505-394-2601

Eunice NM, 88231

Project Manager David P. Duncan

#### Organics by GC - Quality Control Environmental Lab of Texas

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

#### Batch ED73008 - EPA 5030C (GC)

Matrix Spike Dup (ED73008-MSD1)	Sour	rce: 7D27002	2-18	Prepared. 0	4/30/07 A	nalyzed. 0:	5/02/07			
Benzene	0 0949	0 00200	mg/kg dry	0 111	ND	85 5	80-120	0 587	20	
Toluene	0 0935	0 00200	11	0 111	ND	84 2	80-120	0 119	20	
Ethylbenzene	0 0948	0 00200	"	0 111	ND	85 4	80-120	0 823	20	
Xylene (p/m)	0 177	0 00200	"	0 223	ND	79 4	80-120	1 13	20	M8
Xylene (o)	0.0903	0 00200	**	0 111	ND	81.4	80-120	0 734	20	
Surrogate a,a,a-Trifluorotoluene	37.9		ug/kg	50 0		75 8	75-125			
Surrogate 4-Bromofluorobenzene	38 4		"	50 0		768	75-125			

Environmental Plus, Incorporated Project Chevron/ Brunson Argo TB #1 P.O. Box 1558

Project Number. 200129

Fax 505-394-2601

Eunice NM, 88231 Project Manager. David P Duncan

216

100

200

6 90

105

80-120

#### General Chemistry Parameters by EPA / Standard Methods - Quality Control **Environmental Lab of Texas**

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch ED73004 - General Preparation (I	Prep)									
Blank (ED73004-BLK1)				Prepared &	Analyzed.	. 04/27/07				
% Solids	100		%							
Duplicate (ED73004-DUP1)	Sour	ce: 7D26005	-01	Prepared &	. Analyzed	04/27/07				
% Solids	97 4		%		97 0			0 412	20	
Duplicate (ED73004-DUP2)	Sour	ce: 7D27002	-16	Prepared &	. Analyzed.	04/27/07				
% Solids	97 1		%		97 3			0 206	20	
Batch EE70706 - General Preparation (V	WetChem)									
Blank (EE70706-BLK1)				Prepared &	z Analyzed	05/07/07				
Sulfate	ND	0 500	mg/kg							
Chloride	ND	0 500	п							
LCS (EE70706-BS1)				Prepared &	. Analyzed.	. 05/07/07				
Sulfate	10.6	0 500	mg/kg	10 0		106	80-120			
Chloride	9 95	0 500	п	10 0		99 5	80-120			
Calibration Check (EE70706-CCV1)				Prepared &	. Analyzed.	05/07/07				
Sulfate	11 1		mg/kg	100		111	80-120			
Chloride	9 02		ч	10 0		90 2	80-120			
Duplicate (EE70706-DUP1)	Sour	ce: 7D27002	-01	Prepared &	. Analyzed.	05/07/07				
Sulfate	15 8	10 0	mg/kg		160			1 26	20	
Chloride	6 77	10 0			6 90			1 90	20	
Matrix Spike (EE70706-MS1)	Sour	ce: 7D27002	-01	Prepared &	: Analyzed:	05/07/07				
Sulfate	211	10 0	mg/kg	200	160	97 5	80-120			
mu a la										

Environmental Lab of Texas

Chloride

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Project Chevron/ Brunson Argo TB #1

Fax. 505-394-2601

P.O. Box 1558 Eunice NM, 88231 Project Number. 200129
Project Manager. David P Duncan

# General Chemistry Parameters by EPA / Standard Methods - Quality Control Environmental Lab of Texas

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch EE70706 - General Preparation (	WetChem)				· · · · · · · · · · · · · · · · · · ·					
Matrix Spike (EE70706-MS2)	Sour	ce: 7D27002-	-11	Prepared &	Analyzed	05/07/07				
Sulfate	131	10 0	mg/kg	200	21 4	54 8	80-120			QM-10
Chloride	746	10 0	"	200	150	298	80-120			QM-10
Batch EE70708 - General Preparation (	WetChem)									
Blank (EE70708-BLK1)				Prepared &	Analyzed.	05/07/07				
Sulfate	ND	0 500	mg/kg							
Chloride	ND	0 500	n							
LCS (EE70708-BS1)				Prepared &	Analyzed	05/07/07				
Sulfate	10 1	0 500	mg/kg	100		101	80-120	-		
Chloride	10 1	0 500	11	10.0		101	80-120			
Calibration Check (EE70708-CCV1)				Prepared &	Analyzed	05/07/07				
Chloride	9 20		mg/kg	10 0		92 0	80-120			
Sulfate	11 0		"	10 0		110	80-120			
Duplicate (EE70708-DUP1)	Sour	ce: 7D27002	-21	Prepared &	Analyzed.	05/07/07				
Chloride	13 6	10 0	mg/kg		12 7			6 84	20	
Sulfate	864	10 0	н		879			1 72	20	
Duplicate (EE70708-DUP2)	Sour	ce: 7D30017-	-05	Prepared &	Analyzed	05/07/07				
Chloride	5 03	5 00	mg/kg		5 06			0 595	20	
Sulfate	41 2	5 00	"		41 4			0 484	20	
Matrix Spike (EE70708-MS1)	Sour	ce: 7D27002-	-21	Prepared &	Analyzed.	05/07/07				
Chloride	222	10 0	mg/kg	200	12.7	105	80-120			
Sulfate	1260	10 0	ır	200	879	190	80-120			QM-10

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Project Chevron/ Brunson Argo TB #1

Fax. 505-394-2601

P.O Box 1558 Eunice NM, 88231 Project Number. 200129

Project Manager David P. Duncan

#### General Chemistry Parameters by EPA / Standard Methods - Quality Control Environmental Lab of Texas

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

#### Batch EE70708 - General Preparation (WetChem)

Matrix Spike (EE70708-MS2)	Source: 7D30017-05			Prepared &			
Chloride	101	5 00	mg/kg	100	5 06	95 9	80-120
Sulfate	138	5 00	"	100	41 4	96 6	80-120

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Environmental Plus, Incorporated Project Chevron/ Brunson Argo TB #1 Fax. 505-394-2601

P.O Box 1558 Project Number. 200129

Eunice NM, 88231 Project Manager. David P Duncan

#### **Notes and Definitions**

The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or S-06 matrix interference's. The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect. S-04 LCS/LCSD were analyzed in place of MS/MSD. QM-10 The MS and/or MSD were below the acceptance limits See Blank Spike (LCS). M8 Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag) DET Analyte DETECTED Analyte NOT DETECTED at or above the reporting limit ND NR Not Reported dry Sample results reported on a dry weight basis RPD Relative Percent Difference LCS Laboratory Control Spike MS Matrix Spike Dup Duplicate

Report Approved By:

nen Burron

Date:

5/9/2007

Brent Barron, Laboratory Director/Corp. Technical Director Celey D. Keene, Org. Tech Director Raland K. Tuttle, Laboratory Consultant James Mathis, QA/QC Officer Jeanne Mc Murrey, Inorg. Tech Director

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Environmental Plus, Incorporated Project. Chevron/ Brunson Argo TB #1 Fax. 505-394-2601

P.O. Box 1558 Project Number. 200129
Eunice NM, 88231 Project Manager. David P. Duncan

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If you have received this material in error, please notify us immediately at 432-563-1800.

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Page 28 of 28

# **Environmental Plus, Inc.**

Chain of Custody Form

2100 Avenue O, Eunice, NM 88231

P.O. Box 1558, Eunice, NM 88231

LAB: ELT

		(505) 394-2601 Environmental Plus, Inc.										-	- Cons						-		-				-	Tarana a
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City, State, Zip		<b>New Mexico</b>									(12.00m) (12.00m)	(E	· ]	entra Mariana Mariana												
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Client Company	Chevron	USA					l					842	Į.			l					1					1
Facility Name	Brunso	n Argo TB #1	1				l																			
Location	UL-D, S	ec. 10, T 22	S, R	37	E					A	ttn:	Dav	rid F	P. Duncan												
Project Referenc	ce 200129										F	PO E	Зох	1558		1								-		
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2815174			(G)RAB OR (C)OMP.	Π			MA	rrix			PR	ESE	RV.	SAMPLI	NG											
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	SB-1 (2')		X	1			X					X		25-Apr-07	7:15	X			Х		<u> </u>					L
	SB-1 (5')		X	1			X					X		25-Apr-07	7:23	X	X		X		<u> </u>	<u> </u>				L
	SB-1 (10')		X	1			Х					X		25-Apr-06	7:58	X	X	X	X	<u> </u>						L
	SB-1 (15')		X	1			X					X		25-Apr-07	8:35	X	X	X	X	<u> </u>						L
-05 5	SB-1 (20')		X	1			Х				L	X		25-Apr-07	9:29	X	The state of the last	X	X		<u></u>					
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# Environmental Plus, Inc.

Chain of Custody Form

2100 Avenue O, Eunice, NM 88231

P.O. Box 1558, Eunice, NM 88231

	FAX: (505) 394-260														1440											
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	SB-3 (25')		X	1			X		<u> </u>			X	_	25-Apr-07	14:31	X	_	X			_					
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# Environmental Plus, Inc.

Chain of Custody Form

2100 Avenue O, Eunice, NM 88231 (505) 394-3481 FAX: (505) 394-2601

P.O. Box 1558, Eunice, NM 88231

LAB: ELT

Company Name	FAX: (505) 394-260		1				1375		Tagent.		-,61						ماده		. cons	. 276	.07-		1.40+7		y':
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LAB I.D.	SAMPLE I				GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	отнев:	ACID/BASE	ICE/COOL	ОТНЕЯ	DATE	TIME	BTEX 8021B	TPH 8015M	CHLORIDES (CI)	SULFATES (SO4")	Н	TCLP	OTHER >>>	РАН		(Marie Control of Cont
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Peliveled by:	Sample Cool & Intact (as No						Che	ecked	Ву:							برداستست	<b>.</b>			-					

#### Environmental Lab of Texas

Variance/ Corrective Action Re	port- Sampi	e Log-Ir	١	
client. <u>Invironmental Plus</u>				
Marian Incan				
Lab ID#. 102/1602				
Initials: W				
Sample Receipt	Checklist			
Campio recorp.	0,,,,,,,,,,			Client Initials
#1 Temperature of container/ cooler?	Yes	No	1,0 °0	7
#2 Shipping container in good condition?	X es	No		
#3 Custody Seals intact on shipping container/ cooler?	Yes	No	Not Present	
#4 Custody Seals intact on sample bottles/ container?	Yes	No	Not Present	
#5 Chain of Custody present?	Yes	No		
#6 Sample instructions complete of Chain of Custody?	₹€5	No		
#7 Chain of Custody signed when relinquished/ received?	Yes	No		
#8 Chain of Custody agrees with sample label(s)?	Xes	No	ID written on Cont./ Lid	
#9 Container label(s) legible and intact?	Yes	No	Not Applicable	
#10 Sample matrix/ properties agree with Chain of Custody?	Yes	No		
#11 Containers supplied by ELOT?	Yes	No		
#12 Samples in proper container/ bottle?	Yes	No	See Below	
#13 Samples properly preserved?	∦es	No	See Below	
#14 Sample bottles intact?	Xes .	No		
#15 Preservations documented on Chain of Custody?	Yes	No		
#16 Containers documented on Chain of Custody?	Yes	No		
#17 Sufficient sample amount for indicated test(s)?	Yes	No	See Below	
#18 All samples received within sufficient hold time?	(Ýes)	No	See Below	
#19 Subcontract of sample(s)?	Yes	No	Not Applicable	
#20 VOC samples have zero headspace?	y∕es,	No	Not Applicable	
Variance Docu	mentation			
Contact: Contacted by:		l th	Date/ Time:	
Regarding:				1976
Corrective Action Taken:			1	
	· · · · · · · · · · · · · · · · · · ·			
Check all that Apply: See attached e-mail/ fax				
Client understands and would	ld like to prod	eed with	analysis	
Cooling process had begun				
<u> </u>		, 0		

**ATTACHMENT III** 

**SOIL BORING LOGS** 

					Ł	og (	of Test	Borings		(NOTE - Page 1 of 1)
.11	I.						Projec	t Number:	200129	
	<b></b>	Envi	RONMEN	ITAL F	LUS, I	NC.	Projec	t Name:	Chevron - Brunso	on Argo Tank Battery #1
		REM Fl	EDIAL (	CONSTRU	JCTION		Locatio	ni UL-B, S	Section 9, Townsh	ip 22 South, Range 37 East
	,			94-3481			Boring N	lumber: SI	B1-1 Surfac	ce Elevation: 3,408-feet amsl
١,,	e e	Recovery (inches)	2	sgc (c	ide sis (g)	ও ত	동원	2-	tart Date: 4-25-0	07 Time: 0630 hrs
Time	Sample Type	P C P	Moisture	PID Readings (ppm)	Chloride Analysis (mg/Kg)	U.S.C.S. Symbol	Depth (feet)	С		1-25-07 Time: 1000 hrs
	• • • • • • • • • • • • • • • • • • •	₩.	Σ	α̈	Ω∢∨	_ ,			Description	
0715	DC		moist	2,400	320				2' TOPSOIL,	olly, moist
							_			_
0723	SP	8	noiet	2,000	220		5	$\vdash$	5' TOPSOIL,	ally majet
0/23	35	8	moist	2,000	320		+		J THE SHIE,	oky, hoist
										_
-										_
							10	$\vdash$	10/ 041/	7.40
0758	SP	6	no	39.1	320		+		10' SANI	J/Clay
							$\vdash$			_
										_
							15			
0835	SP	4	no	36.7	240		+		15' CALICHE, Utt	le hard, rocky
										<del></del>
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							20			
0929	SP	4	no	4.9	160		ֈ	\	20' CALICHE, litt	
							_		End of Soil Bo	ring at 21' bgs
							-			
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ENVIRONMENTAL PLUS, INC. CONSULTING AND REMEDIAL CONSTRUCTION   Project Number   200129   Project Number   Chevron - Brunson Argo Tank Battery #1   Location   UB., Section 9, Tomship 22 South, Range 37 Eas   Boring Number   SBI-2   Surface Elevation 3,408-feet and SBI-2   SET   Date   4-25-07   Time; 1015 hrs   Description   Date   4-25-07   Time; 1015 hrs   Description   Date   SET   SET						L	ا وه۔	Of Test	: Borings			(NOTE - Page 1 of 1)	
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1325   SP   dry   36   440	1250	SP		dry	25	720	_		10	10' CALICHE
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1400   SP   dry   40   320   20' CALICHE	1325	SP		dry	36	440			15	15' CALICHE
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	Ψ	ر ار ا	a s	gs	esis O	<u>رة بر</u>	23	Start Date: 4-25-07 Time: 1530 hrs
Time	Sample Type	Recovery (inches)	Malsture	PID Readings (ppm)	Chloride Analysis (mg/Kg)	U.S.C.S. Symbol	Depth (feet)	Completion Date: 4-25-07 Time: 1648 hrs
	S.	જ은	δ	8,	75 €	⊐∽		Description
								_
1555	DC	-	moist	25	240		<del> -</del>	2' TOPSOIL/Clay
1555	20		110134					
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1600	SP		moist	24	240		<del>  -</del> 5	5' TOPSOIL/Clay
							_	_
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1620	SP	_	dry	40	240		11	10' CALICHE
IOLU	3,		l ur y	1.0			+	
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.11	).						Proje	ct Number: 200129
	1	Envi	RONMEN	ITAL F	LUS, I	NC.	Proje	ct Name: Chevron - Brunson Argo Tank Battery #1
		REM	EDIAL (	CONSTRU NEW ME:	JCTION		Locati	ion: UL-B, Section 9, Township 22 South, Range 37 East
-11	<b>!</b> .	L	505-39	94-3481	XIOL		Boring	Number: SB1-5 Surface Elevation: 3,408-feet amsl
	٠, به	s)	2	sg	g Sis	2.5	42	Start Date: 4-25-07 Time: 1655 hrs
Time	Sample Type	Recovery (inches)	Moisture	PID Readings (ppm)	Chloride Analysis (mg/Kg)	U.S.C.S.	Depth (feet)	Completion Date: 4-26-07 Time: 0840 hrs
	Ŋ,	જ유	€	R <sub>0</sub>	구주 €			Description
								_
1700	DC		moist	357	160			2' SAND, very oily
								5
1710	SP		moist	170	160		`	5' CALICHE, Gray
							-	_
							_	_
								_
1830	SP		dry	130	160		1	10' SAND, Red
								_
							_	_
0820	SP		dry		· 160		1	5 15' SAND, Red
-			J ,					End of Soil Boring at 16' bgs
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Date	Vate Tim	e So		urement Casing Depth	Cave-	n I W	~ ** [	Drilling Method: Auger
_		De	<u>p</u> ith   -	Depth -	Depth -		_evel	Backfill Method: Bentonite
-	-		-	-	-	-	- 1	Field Representative: GB
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					Ĺ	_og	□f Te	st Boring	)5	(NDTE - Page 1 of 1)
in.		-					Proj	ect Numbe	rı 200129	
<u>_</u>		Envi	RONMEN	ITAL F	LUS, I	NC.	Proj	ect Name:	Chevron - Bruns	on Argo Tank Battery #1
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**			505-39	94-3481			Boring	Number	SB1-6 Surfa	ce Elevation: 3,408-feet ams
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Time	Type	Recovery (inches)	Molsture	PID Readings (ppm)	Chloride Analysis (mg/Kg)	U.S.C.S. Symbol	Depth	;	Completion Date:	4-26-07 Time: 1045 hrs
		~~ <u>~</u>	Σ	až ,	04.≥				Description	
0855	DC		moist		160				2′	SAND
			:				<u> </u>			
0905	SP		moist	<u>.</u>	160			-5	5′	SAND
0900	3F		MOIS		160					
										_
20.45		_			160		_	10	10/ CANI	D/CALICHE
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Date	Time	Sa De	mple epth	Casing Depth	Cave-i Depth	n W L	ater evel	Drilling Me		
-	<u>-</u>		-					Backfill Me		
								Field Repr	esentative: GB	

# State of New Mexico Oil Conservation Division

Closure Report Attachment Checklist: Each of the following items must be included in the closure report.

A scaled site and sampling diagram as described in 19.15.29.11 NMAC

Incident ID	
District RP	IRP-1295
Facility ID	
Application ID	

## Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

must be notified 2 days prior to liner inspection).	s of the liner integrity if applicable (Note: appropriate OCD District office
☐ Laboratory analyses of final sampling (Note: appropriate OD ☐ Description of remediation activities	C District office must be notified 2 days prior to final sampling)
I hereby certify that the information given above is true and complete	ata ta tha haut of multimoulul
and regulations all operators are required to report and/or file certa	ete to the best of my knowledge and understand that pursuant to OCD rules in release notifications and perform corrective actions for releases which
should their operations have failed to adequately investigate and re	f a C-141 report by the OCD does not relieve the operator of liability
numan nealth or the environment. In addition, OCD acceptance of	a C-141 report does not relieve the operator of responsibility for ations. The responsible party acknowledges they must substantially
restore, rectaim, and re-vegetate the impacted surface area to the co	onditions that existed prior to the release or their final land use in
accordance with 19.15.29.13 NMAC including notification to the (	
Printed Name: Amy Barnhill	Title: Waste and Water Specialist
Signature: My Mule	Date: 9-26-19
email: ABarnhill@chevron.com	Telephone: 432-687-7108
OCD O. L.	
OCD Only	
Received by: Cristina Eads	Date: 12/20/2019
Closure approval by the OCD does not relieve the responsible and	
remediate contamination that poses a threat to groundwater, surface	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible.
party of compliance with any other federal, state, or local laws and/	or regulations.
Closure Approved by:Denied	Date: 01/08/2020
Printed Name: Cristina Eads	
Timed Name.	Title: Environmental Specialist

# **CLOSURE REPORT**

### **BRUNSON ARGO TANK BATTERY #1**

EPI REF: #200129 NMOCD 1RP #1295

UL-D (NW¼ OF THE NW¼) OF SECTION 10, T 22 S, R 37 E
~1.7 MILES SOUTH OF EUNICE,
LEA COUNTY, NEW MEXICO

LATITUDE: N 32° 24' 36.41" LONGITUDE: W 103° 09' 31.39"

## FEBRUARY 2008

#### PREPARED BY:

ENVIRONMENTAL PLUS, INC. 2100 AVENUE O EUNICE, NEW MEXICO 88231

PREPARED FOR:



#### ENVIRONMENTAL PLUS, INC.

CONSULTING AND ENVIRONMENTAL REMEDIATION

13 February, 2008

Mr. Larry Johnson Environmental Engineer Specialist New Mexico Oil Conservation Division 1625 North French Drive Hobbs, New Mexico 88240

RE: Closure Report

Chevron USA – Brunson Argo Tank Battery #1 UL-D (NW ¼ of the NW ¼), Section 10, T 22 S, R 37 E Longitude: 32° 24' 36.41"; Latitude: 103° 09' 31.39"

EPI Ref. #200129; NMOCD 1RP #1295

#### Dear Mr. Johnson:

Environmental Plus, Inc., (EPI) on behalf of Mr. Bill A. Anderson, Chevron USA (Chevron), submits this letter *Closure Report* for the above referenced Site.

Activities were initiated to bring the impacted area into conformance with NMOCD requirements. For clarity and cross reference elimination purposes, the following Letter Closure Report offers Site Background history, Site Delineation, Remediation Activities and Conclusion.

#### Site Background

The Site is located in UL-D (NW ¼ of the NW ¼) of Section 10, T22S, R37E at an elevation of approximately 3,408-feet above mean sea level (amsl). The property is owned by the Priscilla Brunson Moody Estate (c/o Mr. Charles James Moody). A search for water wells was completed utilizing the New Mexico Office of the State Engineer's website and a database maintained by the United States Geological Survey (USGS). One (1) water supply well (USGS #5) exists within a 1,000-foot radius of the release site. Additionally, eight (8) water supply wells are located within a 1.0-mile radius of the release site (reference *Figure 2*). Groundwater data taken from domestic and USGS water wells within a one 1.0-mile radius of the release site indicates an average water depth of approximately sixty-six (66) feet below ground surface (bgs) (reference *Figure 4* and *Table 1*). Utilizing this information, New Mexico Oil Conservation Division (NMOCD) Remedial Goals for this Site were determined as follows:

Parameter	Remedial Goal
Benzene	10 parts per million
BTEX	50 parts per million
TPH	100 parts per million

<sup>\*</sup> Chloride residuals may not be capable of impacting local groundwater above NMWQCC of 250 mg/L

P.O. BOX 1558 ••• 2100 AVENUE O ••• EUNICE, NEW MEXICO 88231



#### Site Delineation

On April 14, 2007 EPI conducted a site assessment consisting of a GPS survey of and photographing the release area. On April 25<sup>th</sup> and 26<sup>th</sup>, 2007, EPI mobilized at the tank battery to direct the location and depth of six (6) soil borings. Four (4) soil borings were advanced within confines of the bermed area, a fifth (5<sup>th</sup>) approximately twenty-five (25) feet southeast of the bermed area, and a 6<sup>th</sup> approximately one hundred-three (103) feet north-northeast of the bermed area for background reference data (reference *Figure 5*). During advancement of soil borings, soil samples were collected at two (2) foot intervals initially, then at five (5) foot increments thereafter to total depth (TD) of the soil boring. Information regarding lithology of soil borings is provided in Attachment III, *Soil Boring Logs*.

Laboratory analysis indicated TPH constituent concentrations ranged from <30 mg/Kg (SB1-5 @ 15') to 42,300 mg/Kg (SB1-5 @ 2'). BTEX and Sulfate concentrations were reported below NMOCD remedial threshold goals. Chloride concentrations ranged from 5.5 mg/Kg (SB1-6(BG) @ 5') to 588 mg/Kg (SB1-3 @ 10') (reference *Table 2* and *Figure 5*).

From January 21 through 29, 2008 final soil samples were collected from the sidewalls and floor of the excavation. BTEX constituent concentrations were not analyzed. Chloride concentrations were reported below NMOCD remedial threshold goals. TPH constituent concentrations ranged from <20 mg/Kg (MEWSW-1 @ 16') to 6,020 mg/Kg (NEBH-1 @ 15') (reference *Table 3* and *Figure 6*).

#### **Remedial Activities**

From December 26, 2007 through January 23, 2008 approximately 8,492 tons of contaminated soils were removed and transported to Sundance Services Inc., and 714 tons transported to EPI Land Farm. From January 29 through February 7, 2008 the excavation was backfilled with 1,536 yds³ of caliche and 5,858 yds³ of clean topsoil. On February 1, 2008 EPI installed 40-mil polyethylene liners over the northern and central deep excavations and a 20-mil polyethylene liner over the entire excavation. After completing backfilling activities the disturbed areas were contoured to allow natural drainage, disked, will be seeded with a blend approved by the property owner. To prevent wind and water erosion, a winter cover (wheat or rye) will be applied over the disturbed area. This application will be followed by reseeding the disturbed area in late spring 2008 when moisture levels are high and survival of newly emerged grass is greater.

#### **Conclusion**

Based on projected groundwater elevation (~66-ft bgs) and as residual hydrocarbon and chloride concentrations diminish with vertical depth (reference *Table 2*), are confined to a relatively small area, and with installation of 40-mil and 20-mil liners, groundwater should not be impacted. Therefore no further action should be required at this site.



Questions, concerns and/or needs for additional technical information should be directed to David P. Duncan at (575) 394-3481 or via e-mail at dduncan@envplus.net. Official communications should be directed to Mr. Bill A. Anderson at (575) 394-1237 (office), (505) 441-5438 (cellular) or via email at billyanderson@chevron.com. Correspondence should be addressed to:

> Mr. Bill A. Anderson Chevron USA P.O. Box 1949 Eunice, New Mexico 88231

Sincerely,

ENVIRONMENTAL PLUS, INC.

**Daniel Dominguez Environmental Consultant** 

Bill A. Anderson, Chevron USA – Eunice, NM cc: Charles James Moody, Estate Executor - Eugene, OR File

Encl: Figure 1 – Area Map

Figure 2 – Site Location Map

Figure 3 – Site Map

Figure 4 – Groundwater Gradient Map

Figure 5 – Soil Boring Location Map

Figure 6 – Final Sample Map

Figure 7 – Excavation/Liner Map

Table 1 – Well Information Report

Table 2 – Summary of Soil Boring Field Analysis and Laboratory Analytical Results

Table 3 – Summary of Excavation Field Analysis and Laboratory Analytical Results

Attachment I – Site Photographs

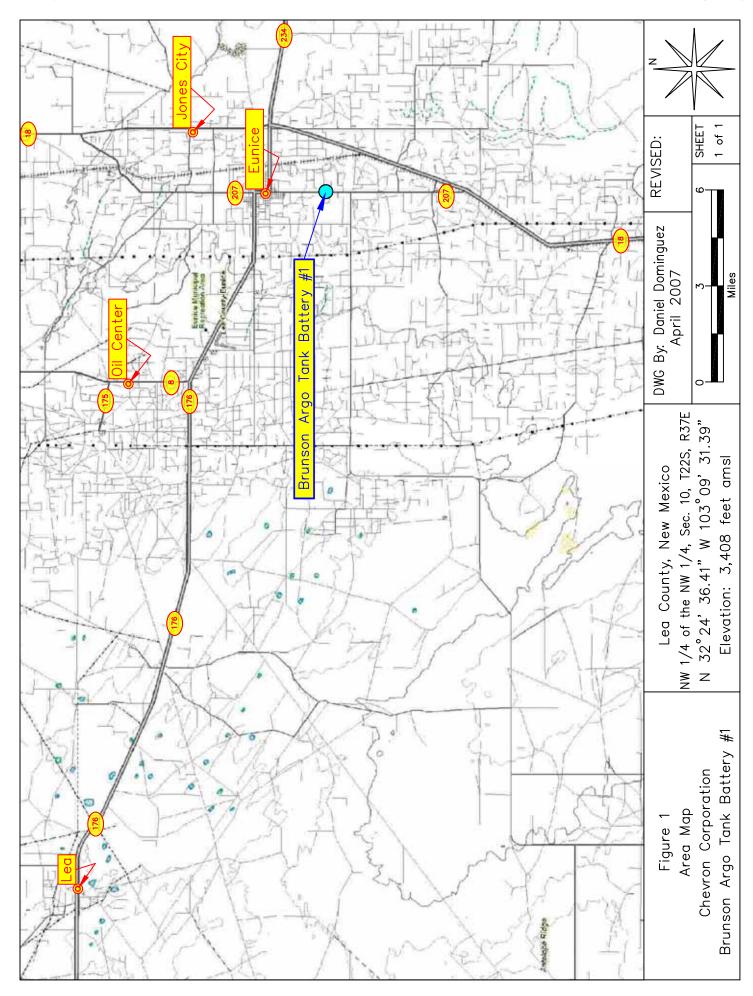
Attachment II – Laboratory Analytical Results and Chain-of-Custody Form

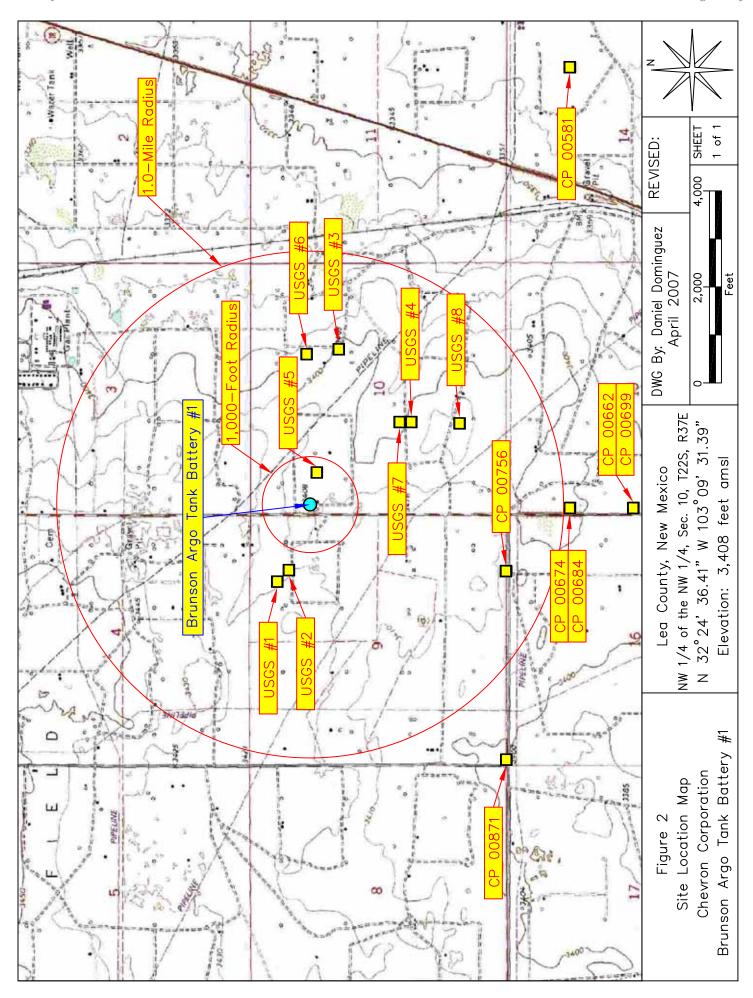
Attachment III – Soil Boring Logs

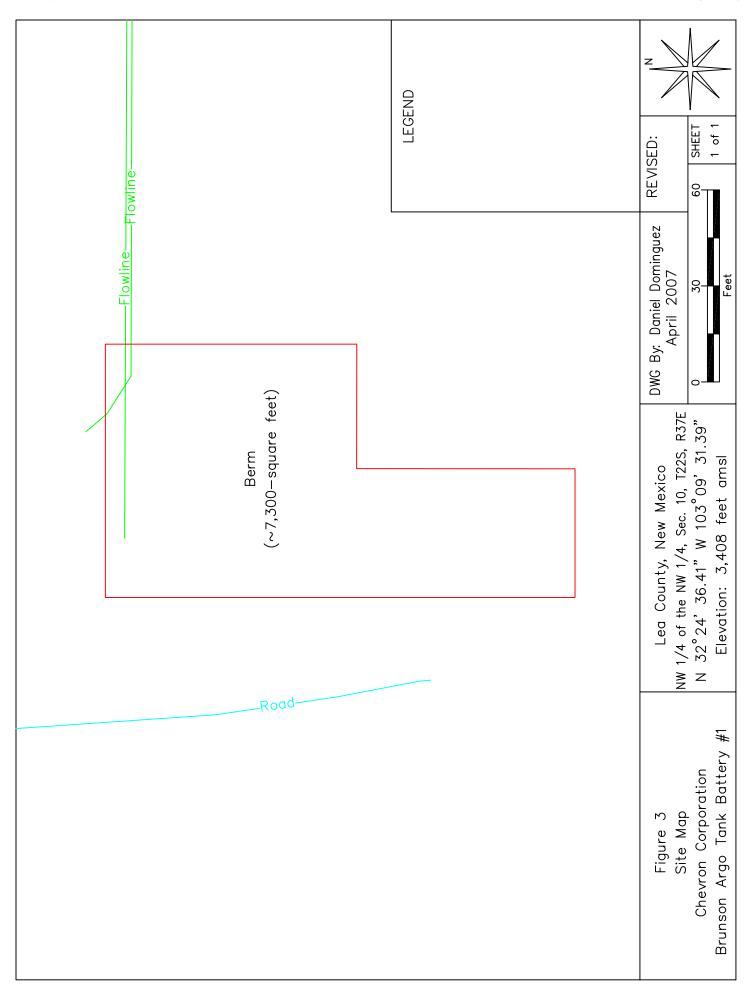
Attachment IV – Information and Metrics

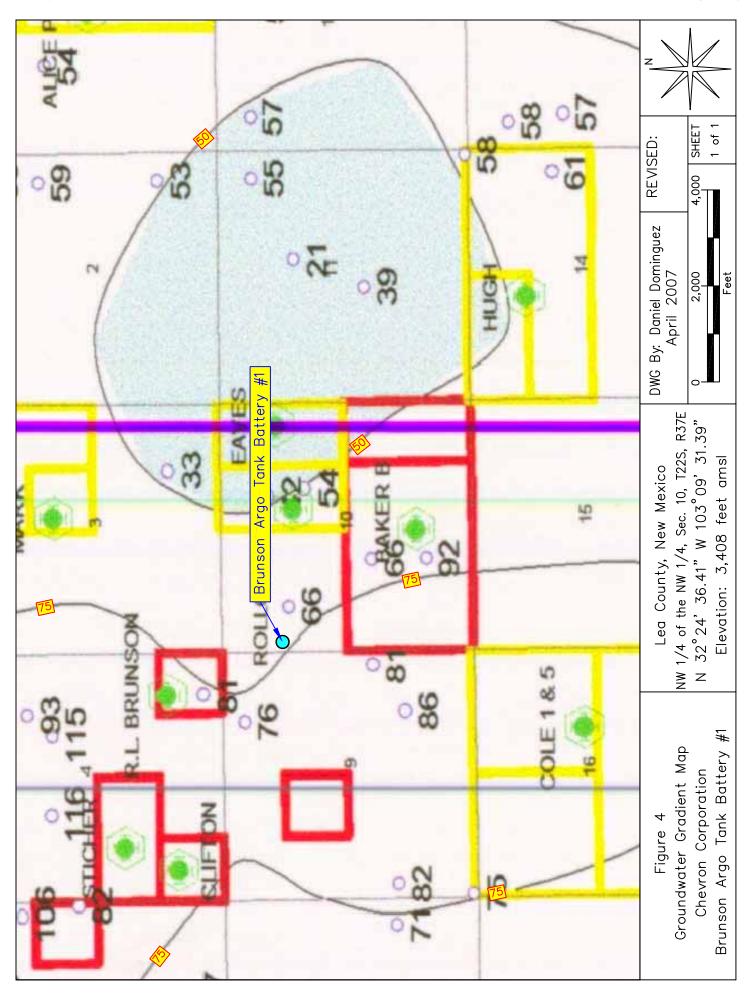
Initial NMOCD Form C-141 Final NMOCD Form C-141

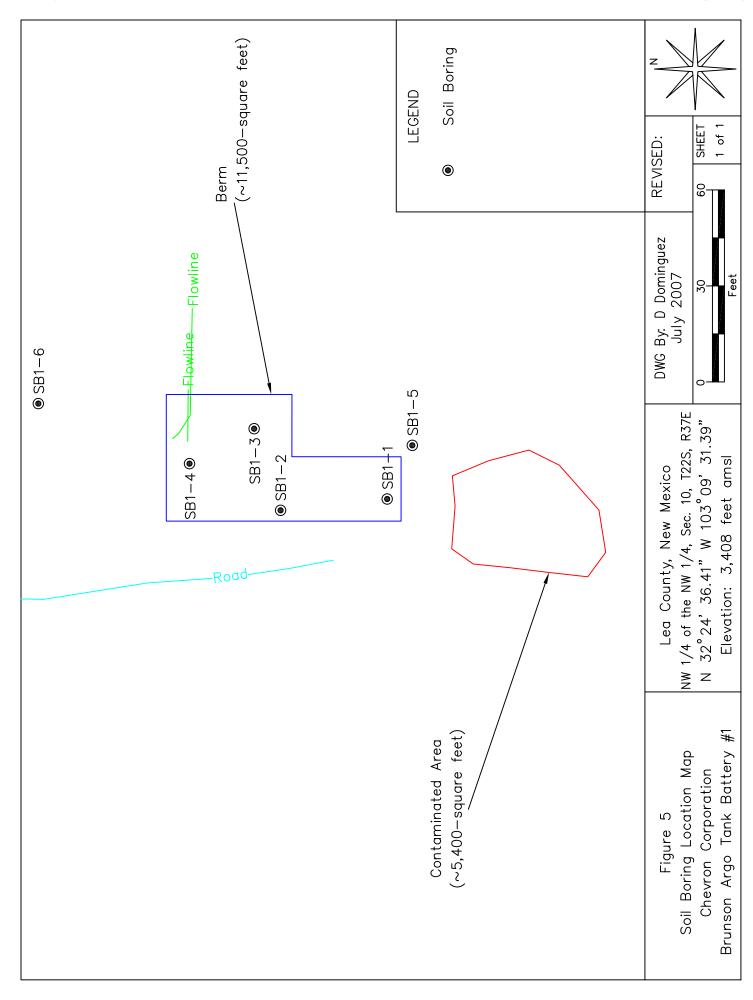
## **FIGURES**

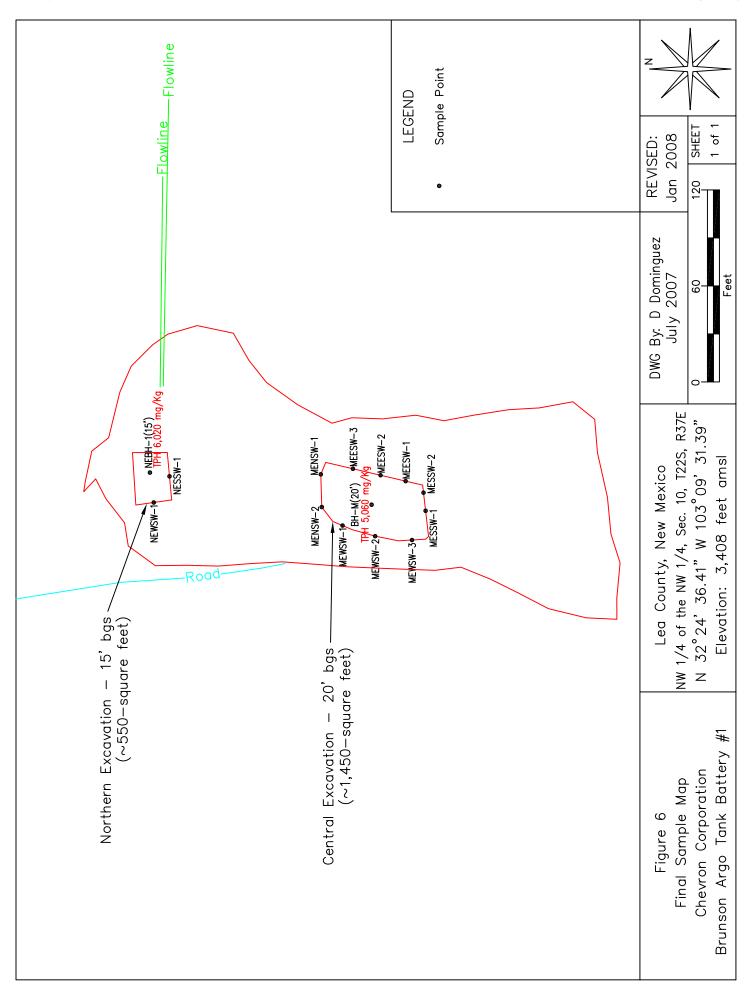


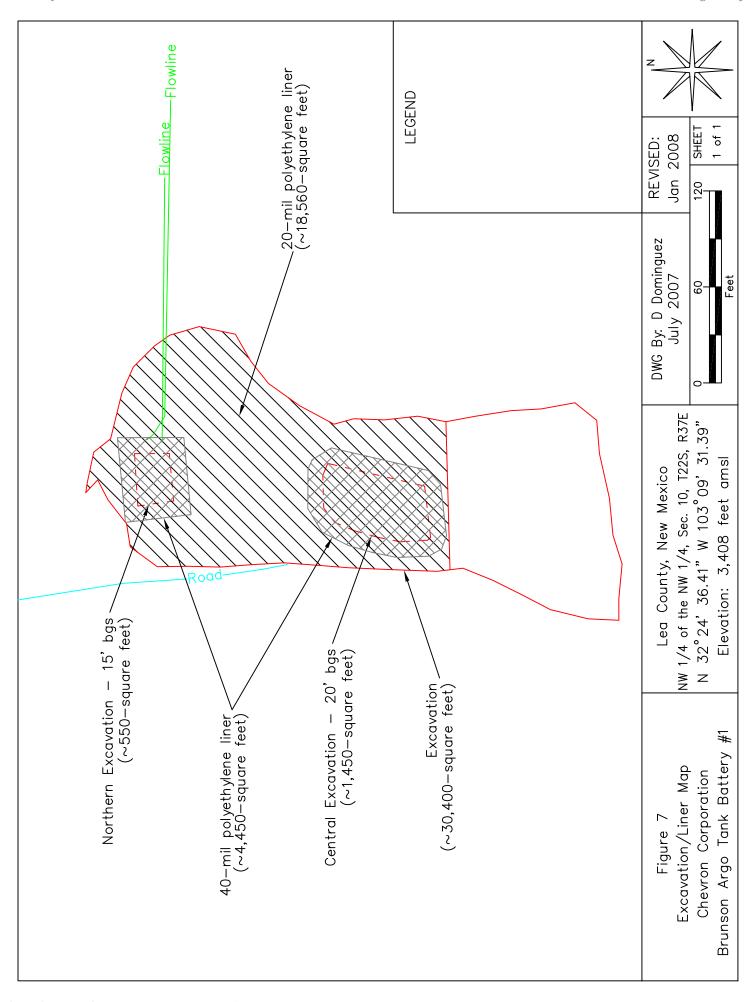












# **TABLES**

TABLE 1

# WELL INFORMATION REPORT\*

Chevron North America - Brunson Argo Tank Battery #1 (Ref #200129)

Well Number	Diversion	Owner	911	Twen	Rno	Secon	Latitude	Longitude	Date	Surface	Depth to
	TO STORY			1	0	F F F 222		b	Measured	Elevation	(ft bgs)
CP 00581	3	NORTHERN NATURAL GAS CO.	SAN	22S	37E	14 222	N32° 23' 43.32"	W103° 07' 44.48"	18-Apr-79	3,335	92
CP 00662	3	GEORGE SCHELLER	DOM	22S	37E	15 133	N32° 23' 30.26"	W103° 09' 32.15"	20-Jul-83	3,405	150
CP 00674	3	WARREN & VERNA HUGHES	DOM	22S	37E	15 11	N32° 23' 43.31"	W103° 09' 32.15"	27-Mar-85	3,399	75
CP 00684	3	WARREN & VUNA HUGHES	MUL	22S	37E	15 11	N32° 23' 43.31"	W103° 09' 32.15"	01-Aug-85	3,399	180
CP 00699	3	MARTIN CARRASCO	DOM	22S	37E	15 1	N32° 23' 30.26"	W103° 09' 32.15"	02-Jun-86	3,405	100
CP 00756	3	CHARLIE BETTIS	DOM	22S	37E	09 442	N32° 23' 56.34"	W103° 09' 47.53"	30-Oct-90	3,408	82
CP 00871	3	BILL OR BARBARA TRULL	DOM	22S	37E	60 3	N32° 23' 56.30"	N32° 23' 56.30"   W103° 10' 33.67"	29-Sep-97	3,400	94
USGS #1				22S	37E	09 212			17-Mar-81	3,415	76.2
USGS #2				22S	37E	09 223			22-Jan-76	3,415	78.57
OSGS #3				22S	37E	10 232			27-Jan-76	3,400	54.44
USGS #4				22S	37E	10 321			27-Jan-76	3,400	69.54
OSGS #5				22S	37E	10 132			27-Jan-76	3,405	62.59
OSGS #6				22S	37E	10 214			27-Jan-76	3,399	41.88
OSGS #7				22S	37E	10 321			17-Mar-81	3,399	66.05
OSGS #8				22S	37E	10 341			15-Feb-96	3,410	91.64
CP 00679	3	FRED FERBRACHE	DOM	22S	37E	15 33	N32° 23' 4.17"	W103° 09' 32.14"	20-May-85	3,380	86
CP 00708	3	ROBERT A. CUETO	DOM	22S	37E	15	N32° 23' 4.17"	W103° 09' 32.14"	15-Apr-87	3,380	185
CP 00709	3	JAMES D. SMITH	DOM	22S	37E	15 342	N32° 23' 4.17"	W103° 09' 16.78"	29-Apr-87	3,385	28

<sup>\* =</sup> Data obtained from the New Mexico Office of the State Engineer Website (http://iwaters.ose.state.nm.us:7001/iWATERS/wr\_RegisServlet1) and USGS Database.

# Shaded area indicates wells not shown on Figure 2

 $<sup>^{\</sup>rm A}$  = in acre feet per annum

<sup>&</sup>lt;sup>B</sup> = Interpolated from USGS Topographical Map

MUL = Multiple Domestic Households DOM = Domestic one household

<sup>(</sup>quarters are 1=NW, 2=NE, 3=SW, 4=SE) (quarters are biggest to smallest - X Y are in Feet - UTM are in Meters)

TABLE 2 Summary of Soil Boring Field Analyses and Laboratory Analytical Results

y of Soil Boring Field Analyses and Laboratory Analytical R Chevron U.S.A. Inc. Brunson Argo #1 (NMOCD Ref.#1295; EPI Ref.# 200129)

Summary of Soil Boring Field Analyses and Laboratory Analytical Results TABLE 2

Brunson Argo #1 (NMOCD Ref.#1295; EPI Ref.# 200129) Chevron U.S.A. Inc.

	Depth (feet)	Soil Status	Sample Date	PID Field Analysis (ppm)	Field Chloride Analyses (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylene (p/m) (mg/Kg)	Xylenes (o) (mg/Kg)	Total BTEX (mg/Kg)	Carbon Ranges (C6-C12) (mg/Kg)	Carbon Ranges (C12-C28) (mg/Kg)	Carbon Ranges (C28 C35) (mg/Kg)	Total Hydrocarbons (C6-C35) (mg/Kg)	Sulfate (mg/Kg)	Chloride (mg/Kg)
	25	In-situ	25-Apr-07	34.0	240	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.125	<10.0	<10.0	<10.0	<30.0	21.1	93.3
	30	In-situ	25-Apr-07	30.0	240	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.125	<10.0	<10.0	<10.0	<30.0	30.5	78.1
	2	In-situ	25-Apr-07	25.0	240	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.125	<10.0	<10.0	<10.0	<30.0	28.7	159
	5	In-situ	25-Apr-07	24.0	240	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.125	<10.0	<10.0	<10.0	<30.0	56.3	126
	10	In-situ	25-Apr-07	40.0	240	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.125	14.4	901	174	1,090	44.6	106
	15	In-situ	25-Apr-07	40.0	240	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.125	15.0	618	102	735	116	201
	2	In-situ	25-Apr-07	357	160	0.327	3.44	11.3	23.9	4.19	42.80	8,570	33,700	<10.0	42,300	879	12.7
	5	In-situ	25-Apr-07	170	160	<0.0250	0.0380	0.210	0.584	0.250	1.08	295	1,360	183	1,840	23.7	16.5
	10	In-situ	25-Apr-07	130	160	<0.0250	J [0.0118]	0.0556	0.148	0.0587	0.362	331	3,890	627	4,850	42.5	21.6
	15	In-situ	25-Apr-07		160	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.125	<10.0	<10.0	<10.0	<30.0	36.4	J [4.48]
SB1-6 (BG)	2	In-situ	26-Apr-07		160	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.125	<10.0	<10.0	<10.0	<30.0	8.15	J [3.70]
SB1-6 (BG)	5	In-situ	26-Apr-07	1	160	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.125	<10.0	<10.0	<10.0	<30.0	30.0	5.5
SB1-6 (BG)	10	In-situ	26-Apr-07	-	160	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.125	<10.0	<10.0	<10.0	<30.0	2,040	115
ź	1ОСD Reп	NMOCD Remedial Thresholds	splot	100		10					50				100		250
are	in excess of	NMOCD Ren	Bolded values are in excess of NMOCD Remediation Threshold Goals	Goals													

For Analyzed Tracks of America Limit. Therefore, result is an estimated concentration (CPL J-Flag. BG = Background Soil Boring

 ${\bf TABLE~3}$  Summary of Excavation Field Analyses and Laboratory Analytical Results

ry of Excavation Field Analyses and Laboratory Analytical F Chevron U.S.A. Inc. Brunson Argo #1 (NMOCD Ref.#1295; EPI Ref.# 200129)

			1	1		1					
Chloride (mg/Kg)		1	1	1	1		1	1	1 1	1	:
Total Petroleum Hydrocarbons (C6-C28) (mg/Kg)	:	:	:	:	:	:	:	:	:	:	
Diesel Range Organics (GRO) (>C10-C28) (mg/Kg)		:	:	:	:		:	:	:	:	:
Gas Range Organics (GRO) (C6-C10) (mg/Kg)	:	:	:	:	:		:	:	:	:	:
Xylenes (o) Total BTEX (mg/Kg)		:	:	:	:	:	:	:	:	1	:
Xylenes (o) (mg/Kg)			:								:
Xylene (p/m) (mg/Kg)		:	:	1	:	-	1	:	:	1	:
Ethylbenzene (mg/Kg)	:	:	:	1	:	1	1	:	:	:	
Toluene (mg/Kg)	1	;	;	:	;	:	:	;	;	1	
Benzene (mg/Kg)	1	:	1	1	:	1	1	:	1	1	-
Field Chloride Analyses (mg/Kg)	240	200	200	200	160	240	:	:	200	240	200
PID Field Analysis (ppm)	375	:	1	1	:	1	1	:	1	1	442
Sample Date	28-Dec-07	28-Dec-07	02-Jan-08								
Soil Status	In situ	Stockpile	Excavated								
Depth (feet)	3	;	:	:	;	:	:	;	;	1	1.5
Sample I.D.	BH-1 (SE)	SP-1 (SP)	SP-1 (SP)	SP-2 (SP)	SP-3 (SP)	SP-4 (SP)	SP-5 (SP)	SP-6 (SP)	SP-7 (SP)	SP-8 (SP)	SSW-1

 ${\bf TABLE~3}$  Summary of Excavation Field Analyses and Laboratory Analytical Results

ry of Excavation Field Analyses and Laboratory Analytical I Chevron U.S.A. Inc. Brunson Argo #1 (NMOCD Ref.#1295; EPI Ref.# 200129)

Chloride (mg/Kg)			:				-		<16		<16
Total Petroleum Hydrocarbons (C6-C28) (mg/Kg)	:	:	:	:	:	:	:		<20.0	:	
Diesel Range Organics (GRO) (>C10-C28) (mg/Kg)	:	:	:	1	1	:	1		<10.0	:	
Gas Range Organics (GRO) (C6-C10) (mg/Kg)	:		:		-	:	:		<10.0	:	
Total BTEX (mg/Kg)			:-								
Xylenes (o) (mg/Kg)	:		:		-	:	:		:	:	
Xylene (p/m) (mg/Kg)	:	:	:	1	1	:	:	-	:	1	-
Ethylbenzene (mg/Kg)	:		:			:-	:		:-	:	
Toluene (mg/Kg)	:		:-				:			:	
Benzene (mg/Kg)	:	:	:	:	:	:	1	-	:	:	:
Field Chloride Analyses (mg/Kg)	240	240	240	160	200	160	240	160	1	1	
PID Field Analysis (ppm)	4.9	2.7	8.9	6.3	4.9	4.2	6.5	4.7		-	
Sample Date	02-Jan-07	02-Jan-08	03-Jan-08	03-Jan-08	03-Jan-08						
Soil Status	In situ										
Depth (feet)	1.5	1.5	1.5	1.5	3	3	3	3	1.5	1.5	1.5
Sample I.D.	SSW-1B	SSW-2	SSW-3	SSW-4	BH-1 (SE)	BH-2 (SE)	BH-3 (SE)	BH-4 (SE)	SSW-1B*	SSW-2B*	SSW-3A*

 ${\bf TABLE~3}$  Summary of Excavation Field Analyses and Laboratory Analytical Results

ry of Excavation Field Analyses and Laboratory Analytical 1 Chevron U.S.A. Inc. Brunson Argo #1 (NMOCD Ref.#1295; EPI Ref.# 200129)

0.0											
Chloride (mg/Kg)	:	<40	:	<16	:	<16	:	<16	:	<16	:
Total Petroleum Hydrocarbons (C6-C28) (mg/Kg)	:	<20.0	:	:	:	10.9	:	-	:	<20.0	:
Diesel Range Organics (GRO) (>C10-C28) (mg/Kg)	;	<10.0	:	:	1	10.9	-	-	1	<10.0	:
Gas Range Organics (GRO) (C6-C10) (mg/Kg)	;	<10.0	:	:	-	<10.0		-	:	<10.0	:
Total BTEX (mg/Kg)	:	-	:		-	:			:		:
Xylenes (o) Total BTEX (mg/Kg)	:	1	:	1	1	:	-	-	1	1	!
Xylene (p/m) (mg/Kg)	:	1	1	1	1	1	-	-	1	1	1
Ethylbenzene (mg/Kg)	:	1	:	1	1	:		-	1	1	:
Toluene (mg/Kg)	:	-	1	-	-	1		-	-	-	:
Benzene (mg/Kg)											:
Field Chloride Analyses (mg/Kg)	:	1	:	:	1	200	200	240	240	200	200
PID Field Analysis (ppm)						2.1	2.2	2.7	4.0	3	5
Sample Date	03-Jan-08	03-Jan-08	03-Jan-07	03-Jan-08							
Soil Status	In situ										
Depth (feet)	1.5	3	3	3	3	3	3	3	3	1.5	1.5
Sample I.D.	SSW-4A*	BH-1A*	BH-2A*	BH-3A*	BH-4A*	BH-5A*	*89-HB	BH-7A*	*84*	I-MSM	WSW-2

 ${\bf TABLE~3}$  Summary of Excavation Field Analyses and Laboratory Analytical Results

ry of Excavation Field Analyses and Laboratory Analytical I Chevron U.S.A. Inc. Brunson Argo #1 (NMOCD Ref.#1295; EPI Ref.# 200129)

Chloride (mg/Kg)	<16	:	<16	240	08	:	<16	:	:	48	:
Total Petroleum Hydrocarbons (C6-C28) (mg/Kg)	:	:	;	148		:			:		:
Diesel Range Organics (GRO) (>C10-C28) (mg/Kg)		-	1	148	-	1		-	1	1	:
Gas Range Organics (GRO) (C6-C10) (mg/Kg)			:	<10.0							:
Total BTEX (mg/Kg)	:		;		-	:		-	:		:
Xylenes (o) (mg/Kg)											
Xylene (p/m) (mg/Kg)	:	:	:	:	:	:	-	-	:	:	:
Ethylbenzene (mg/Kg)		:	:	1	:	:	-	-	:	1	:
Toluene (mg/Kg)	:	1	1	1	1	1	-	-	1	1	
Benzene (mg/Kg)	:	:	:	:	:	:	:	-	:	:	
Field Chloride Analyses (mg/Kg)	200	160	200	240	240	200	200	160	160	240	200
PID Field Analysis (ppm)	9	0.0	4.7	12.0	1.4	3.2	2.1	0.0	0.0	3.5	1.9
Sample Date	03-Jan-08	03-Jan-08	03-Jan-08	04-Jan-08							
Soil Status	In situ										
Depth (feet)	1.5	1.5	1.5	3	3	3	3	4	4	4	4
Sample I.D.	£-MSM	ESW-1	ESW-2	6-HB	BH-10	BH-11	BH-12	BH-13	BH-14	BH-15	BH-16

 ${\bf TABLE~3}$  Summary of Excavation Field Analyses and Laboratory Analytical Results

ry of Excavation Field Analyses and Laboratory Analytical.

Chevron U.S.A. Inc.

Brunson Argo #1 (NMOCD Ref.#1295; EPI Ref.# 200129)

0.5											
Chloride (mg/Kg)	<16	<16	<16	<16	<16	<16	16	<16	<16	<16	16
Total Petroleum Hydrocarbons (C6-C28) (mg/Kg)	<20.0	:	<20.0	:	<20.0	:	:		<20.0	:	:
Diesel Range Organics (GRO) (>C10-C28) (mg/Kg)	<10.0	:	<10.0	:	<10.0.	:	:	!	<10.0	:	-
Gas Range Organics (GRO) (C6-C10) (mg/Kg)	<10.0		<10.0		<10.0				<10.0		1
Total BTEX (mg/Kg)											-
Xylenes (o) (mg/Kg)	-	1	1	1	1	1	1	1	1	1	
Xylene (p/m) (mg/Kg)	:	1	1	1	1	1	1	1	1	1	
Ethylbenzene (mg/Kg)	:	:	:	1	1	:	1	1	:	1	
Toluene (mg/Kg)	:	-	;	1		1	1		1	1	-
Benzene (mg/Kg)	:	1	1	1	1	1	1	1	1	1	-
Field Chloride Analyses (mg/Kg)	200	200	160	240	200	80	160	120	80	80	80
PID Field Analysis (ppm)	1.5	0.0	2.7	2.5	1.0	0.6	0.0	0.6	6.0	0.7	0.0
Sample Date	04-Jan-08	08-Jan-08	04-Jan-08	04-Jan-08	10-Jan-08						
Soil Status	In situ										
Depth (feet)	1.5	2	1.5	2	2	4	1	3	1	4	2
Sample I.D.	ESW-3	ESW-4	WSW-4	S-WSW	ESW-5	ESW-6	ESW-7	ESW-8	6-MS3	ESW-10	MSW-6

TABLE 3
Summary of Excavation Field Analyses and Laboratory Analytical Results

ry of Excavation Field Analyses and Laboratory Analytical Chevron U.S.A. Inc.

Brunson Argo #1 (NMOCD Ref.#1295; EPI Ref.# 200129)

e le											
Chloride (mg/Kg)	<16	16	48	96	32	640	288	-	<16	80	64
Total Petroleum Hydrocarbons (C6-C28) (mg/Kg)		<20.0	<20.0	<20.0	:	44.8	:		:	:	<20.0
Diesel Range Organics (GRO) (>C10-C28) (mg/Kg)		<10.0	<10.0	<10.0		44.8					<10.0
Gas Range Organics (GRO) (C6-C10) (mg/Kg)		<10.0	<10.0	<10.0		<10.0					<10.0
Total BTEX (mg/Kg)	-	-	;		-				-		-
Xylenes (o) (mg/Kg)											-
Xylene (p/m) (mg/Kg)	-	:	:	:	:	:	:		:	:	1
Ethylbenzene (mg/Kg)	-	:	:	1	:	:	:		:	1	-
Toluene (mg/Kg)		1					:-		1		
Benzene (mg/Kg)		-	:						:-		-
Field Chloride Analyses (mg/Kg)	120	200	160	200	160	480	200	360	120	160	240
PID Field Analysis (ppm)	0.5	1.8	2.7	3.2	1.0	2.4	:		:	0.3	1.2
Sample Date	10-Jan-08	10-Jan-08	10-Jan-08	10-Jan-08	11-Jan-08	11-Jan-08	16-Jan-08	22-Jan-08	22-Jan-08	11-Jan-08	11-Jan-08
Soil Status	In situ	Excavated	Excavated	Excavated	In situ	In situ	In situ				
Depth (feet)	2	3	1	3.5	1	3	3	3	3	2	4
Sample I.D.	WSW-7	WSW-8	6-MSM	WSW-10	ESW-11	ESW-12	ESW-12B	ESW-12C	ESW-12D	ESW-13	ESW-14

 $\begin{tabular}{ll} TABLE~3\\ Summary~of~Excavation~Field~Analyses~and~Laboratory~Analytical~Results\\ \end{tabular}$ 

ry of Excavation Field Analyses and Laboratory Analytical F Chevron U.S.A. Inc. Brunson Argo #1 (NMOCD Ref.#1295; EPI Ref.# 200129)

g (g											
Chloride (mg/Kg)	48	480	32	64	16	<16	<16	16	32		-
Total Petroleum Hydrocarbons (C6-C28) (mg/Kg)	103		:	<20.0	-	7,190	6,220	72.7	8,140	:	:
Diesel Range Organics (GRO) (>C10-C28) (mg/Kg)	103	:	:	<10.0	1	5,320	4,410	72.7	7,380	:	-
Gas Range Organics (GRO) (C6-C10) (mg/Kg)	<10.0		:	<10.0	1	1,870	1,810	<10.0	092	:	-
Total BTEX (mg/Kg)	:	:	:	:	-	:			:		
Xylenes (o) Total BTEX (mg/Kg)	:	:	:	1	1	1	-	-	1	1	
Xylene (p/m) (mg/Kg)	-	:	1	1	1	1	-	-	1	1	-
Ethylbenzene (mg/Kg)		:	:	1	:	!	-	-	!	1	-
Toluene (mg/Kg)	:	-	1	1	1	1		-	1	1	
Benzene (mg/Kg)	:	:	:	1	1	1	-		1	:	-
Field Chloride Analyses (mg/Kg)	200	240	240	200	160	1	-	1	1	1	-
PID Field Analysis (ppm)	0.0	0.2	:	9.0	0.7	-	-	-	-	0.0	0.1
Sample Date	11-Jan-08	11-Jan-08	16-Jan-08	11-Jan-08	11-Jan-08	11-Jan-08	11-Jan-08	11-Jan-08	11-Jan-08	14-Jan-08	14-Jan-08
Soil Status	In situ	Excavated	In situ								
Depth (feet)	1	3	3	2	1	17	14	10	7	9	9
Sample I.D.	NSW-1	NSW-2	NSW-2B	NSW-3	NSW-4	BH1-ES	BH2-ES	BH1-WS	BH1-NS	NSW-1	ESW-1

 ${\bf TABLE~3}$  Summary of Excavation Field Analyses and Laboratory Analytical Results

ry of Excavation Field Analyses and Laboratory Analytical R Chevron U.S.A. Inc. Brunson Argo #1 (NMOCD Ref.#1295; EPI Ref.# 200129)

Chloride (mg/Kg)	1	:	1	16	64	<16	32	32	16	16	48
Total Petroleum Hydrocarbons (C6-C28) (img/Kg)	-	:	;	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0
Diesel Range Total Organics Hyd (GRO) (C (>C10-C28) (in (mg/Kg)				<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Gas Range Diese Organics Org (GRO) (C (C6-C10) (>C1 (mg/Kg) (m		1	:	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Total BTEX () (mg/Kg) (rt	-	1	:	1	-	1	:	-	:	:	1
Xylenes (o) TG (mg/Kg)	-	1	:	:	:	1	:	-	:	:	:
Xylene (p/m) (mg/Kg)	-	1	:	1	-	1	-	1	1	-	1
Ethylbenzene (mg/Kg)						!					
Toluene (mg/Kg)	:-	1	:	!	-	!	:		!	:	-
Benzene (mg/Kg)						1					
Field Chloride Analyses (mg/Kg)	160	160	200			!					-
PID Field Analysis (ppm)		5.8	8.7	1.8	2.1	1.9	2.3		5.2	21.7	2.8
Sample Date	14-Jan-08										
Soil Status	In situ										
Depth (feet)	7	9	9	9	9	7	7	9	9	9	9
Sample I.D.	BH-1	WSW-1	WSW-2	SP-1	SP-2	SP-3	SP-4	SP-5	SP-6	SP-7	SP-8

 ${\bf TABLE~3}$  Summary of Excavation Field Analyses and Laboratory Analytical Results

ry of Excavation Field Analyses and Laboratory Analytical I Chevron U.S.A. Inc. Brunson Argo #1 (NMOCD Ref.#1295; EPI Ref.# 200129)

Sample I.D.	Depth (fect)	Soil Status	Sample Date	PID Field Analysis (ppm)	Field Chloride Analyses (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylene (p/m) (mg/Kg)	Xylenes (o) (mg/Kg)	Total BTEX (mg/Kg)	Gas Range Organics (GRO) (C6-C10) (mg/Kg)	Diesel Range Organics (GRO) (>C10-C28) (mg/Kg)	Total Petroleum Hydrocarbons (C6-C28) (mg/Kg)	Chloride (mg/Kg)
6-dS	9	In situ	14-Jan-08	5.5	1	:	:	:	1	1	1	<10.0	<10.0	<20.0	08
SP-10	9	In situ	14-Jan-08	2.1	1	1	1	:	:	1	1	<10.0	<10.0	<20.0	16
BH-17	ĸ	In situ	14-Jan-08	3.7	1	:	:	:	;	:	:	<10.0	<10.0	<20.0	<16
BH-18	7	In situ	14-Jan-08	177	1	;	:	:	;	;	:	<10.0	232	232	96
BH-19	7	In situ	14-Jan-08	88.7	1	1	:	:	;	;	1	12.4	1,850	1,862	<16
BH-20	7	In situ	14-Jan-08	3.3				-				<10.0	33.9	33.9	48
NEESW-1	9	n situ	14-Jan-08	33.4	160	:		:		:	-	<10.0	<10.0	<20.0	96
NESSW-1	9	In situ	14-Jan-08	4.4	240			-				<10.0	<10.0	<20.0	288
NEWSW-1	9	In situ	14-Jan-08	3.2	160	-		-				<10.0	<10.0	<20.0	<16
NENSW-1	9	Excavated	14-Jan-08	3.5	240	-	:	-	-	:		<10.0	<10.0	<20.0	272
NENSW-1B	5	In situ	23-Jan-08	5.9	160	:	:	:	-	1	;	<10.0	42.5	42.5	<16

TABLE 3 Summary of Excavation Field Analyses and Laboratory Analytical Results

ry of Excavation Field Analyses and Laboratory Analytical I Chevron U.S.A. Inc. Brunson Argo #1 (NMOCD Ref.#1295; EPI Ref.# 200129)

<u></u>											
Chloride (mg/Kg)	48	32	464	512	<16	1,630	320	32	96	112	32.0
Total Petroleum Hydrocarbons (C6-C28) (mg/Kg)	1,271	1,518	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	17.3
Diesel Range Organics (GRO) (>C10-C28) (mg/Kg)	831	1,400	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	17.3
Gas Range Organics (GRO) (C6-C10) (mg/Kg)	440	118	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Total BTEX (mg/Kg)	1	1		1	1		1	1	1	1	-
Xylenes (o) Total BTEX (mg/Kg)	:	-		:	-		-	-	-	:	:
Xylene (p/m) (mg/Kg)	:	:		:	:		:	:	:	:	-
Ethylbenzene (mg/Kg)	:	-			-		:	-	:		
Toluene (mg/Kg)	:	1		1	1		1	1	1	1	
Benzene (mg/Kg)	:	:	:	:	:	:	:	:	:	:	:
Field Chloride Analyses (mg/Kg)	:	1	480	400	160	1,200	240	240	200	200	200
PID Field Analysis (ppm)	452	295	2.1	2.4	2.9	1.4	0.0	0.0	0.2	0.5	0.0
Sample Date	14-Jan-08	14-Jan-08	15-Jan-08								
Soil Status	In situ	In situ	Excavated	In situ	In situ	Excavated	In situ				
Depth (feet)	7	7	5	7	5	5	7	5	5	5	9
Sample I.D.	NB-1	NB-2	BH-21	BH-21B	ВН-22	ВН-23	BH-23B	BH-24	BH-25	BH-26	SP-11

 ${\bf TABLE~3}$  Summary of Excavation Field Analyses and Laboratory Analytical Results

ry of Excavation Field Analyses and Laboratory Analytical I Chevron U.S.A. Inc. Brunson Argo #1 (NMOCD Ref.#1295; EPI Ref.# 200129)

Sample I.D.	Depth (feet)	Soil Status	Sample Date	PID Field Analysis (ppm)	Field Chloride Analyses (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylene (p/m) (mg/Kg)	Xylenes (o) (mg/Kg)	Total BTEX (mg/Kg)	Gas Range Organics (GRO) (C6-C10) (mg/Kg)	Diesel Range Organics (GRO) (>C10-C28) (mg/Kg)	Total Petroleum Hydrocarbons (C6-C28) (mg/Kg)	Chloride (mg/Kg)
SP-12	9	In situ	15-Jan-08	0.1	200	;	:	:	:	1	:	<10.0	<10.0	<20.0	112
SP-13	9	Excavated	15-Jan-08	0.2	400	:	1	:	1	:	1				
SP-13B	9	In situ	15-Jan-08	1	240	;	:	:	;	;	;	<10.0	<10.0	<20.0	224
ВН-М	20	In situ	17-Jan-08	1,458	1	:		:				1,490	3,570	5,060	:
MENSW-1	12	In situ	21-Jan-08	1.3				-				<10.0	34.0	34.0	<16
MENSW-2	17	In situ	21-Jan-08	1.8		-		-		-		<10.0	15.4	15.4	
MEWSW-1	10	In situ	21-Jan-08	2.4	-	-		-				<10.0	<10.0	<20.0	:
MEWSW-2	11	In situ	21-Jan-08	1.3	-	-	:	1	1	:	-	<10.0	<10.0	<20.0	<16
MEWSW-3	17	In situ	21-Jan-08	134	1	:	-	:	1	-	-	<10.0	848	848	:
MESSW-1	16	In situ	21-Jan-08	6.2	-	1	:	:	-	:	:	<10.0	<10.0	<20.0	:
MESSW-2	11	In situ	21-Jan-08	3.1	-	:	:	:	1	1	-	<10.0	<10.0	<20.0	16

Summary of Excavation Field Analyses and Laboratory Analytical Results TABLE 3

# Brunson Argo #1 (NMOCD Ref.#1295; EPI Ref.# 200129) Chevron U.S.A. Inc.

Sample I.D.	Depth (feet)	Soil Status	Sample Date	PID Field Analysis (ppm)	Field Chloride Analyses (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylene (p/m) (mg/Kg)	Xylenes (o) (mg/Kg)	Total BTEX (mg/Kg)	Gas Range Organics (GRO) (C6-C10) (mg/Kg)	Diesel Range Organics (GRO) (>C10-C28) (mg/Kg)	Total Petroleum Hydrocarbons (C6-C28) (mg/Kg)	Chloride (mg/Kg)
MEESW-1	15	In situ	21-Jan-08	2.3	1	:	:	:				<10.0	<10.0	<20.0	1
MEESW-2	18	In situ	21-Jan-08	185	1	:	1	1	1	;	;	<10.0	401	401	224
MEESW-3	10	In situ	21-Jan-08	102	1	:	:	:				<10.0	211	211	1
NSW-1	5	In situ	23-Jan-08	85.7	800	1	:	:			-	1	1	1	1
NSW-2	11	In situ	23-Jan-08	2.7	280	-	-						-	-	-
WSW-1	10	In situ	23-Jan-08	3.5	200	1	-					-	-	-	
SSW-1	10	In situ	23-Jan-08	2.9	260									-	-
NEBH-1	15	In situ	23-Jan-08	579	200	-	-					1,450	4,570	6,020	160
NESSW-1	10	In situ	29-Jan-08	0.0	240	1	-					<10.0	<10.0	<20.0	144
NEWSW-1	10	In situ	29-Jan-08	0.2	200	:	:		-			<10.0	<10.0	<20.0	64
NN	AOCD Rem	NMOCD Remedial Threshold Goals	Goals	100		10					50			100	250
Rolded values a	to appropriate	F NIMOCD Domod	woltres and in awages of MMOCD Demodiation Threshold Goals	ole.											

Bolded values are in excess of NMOCD Remediation Threshold Goals
--- Not Analyzed
--- Detected, but below the Reporting Limit. Therefore, result is an estimated concentration (CPL J-Flag,
Nomenclature: BG = Background Soil Boring; BH=Bottom Hole; SW=Sidewall (E=east, W=west, S=south and N=north)

## **ATTACHMENTS**

# ATTACHMENT I SITE PHOTOGRAPHS



Photograph No. 1 – Lease Sign.



Photograph No. 2 – Looking northeasterly at interior of bermed area



Photograph No. 3 – Looking northeasterly at interior of bermed area



Photograph No. 4 – Looking northerly at interior of bermed area



Photograph No. 5 – Looking easterly across excavation.



Photograph No. 6 – Looking west across excavation.



Photograph No. 7 – Looking easterly across excavation.



Photograph No. 8 – Looking southerly across excavation prepped for liner.



Photograph No. 9 – Installation of 40-mil liner over northern deep excavation.



Photograph No. 10 – Installation of 40-mil liner over central deep excavation.

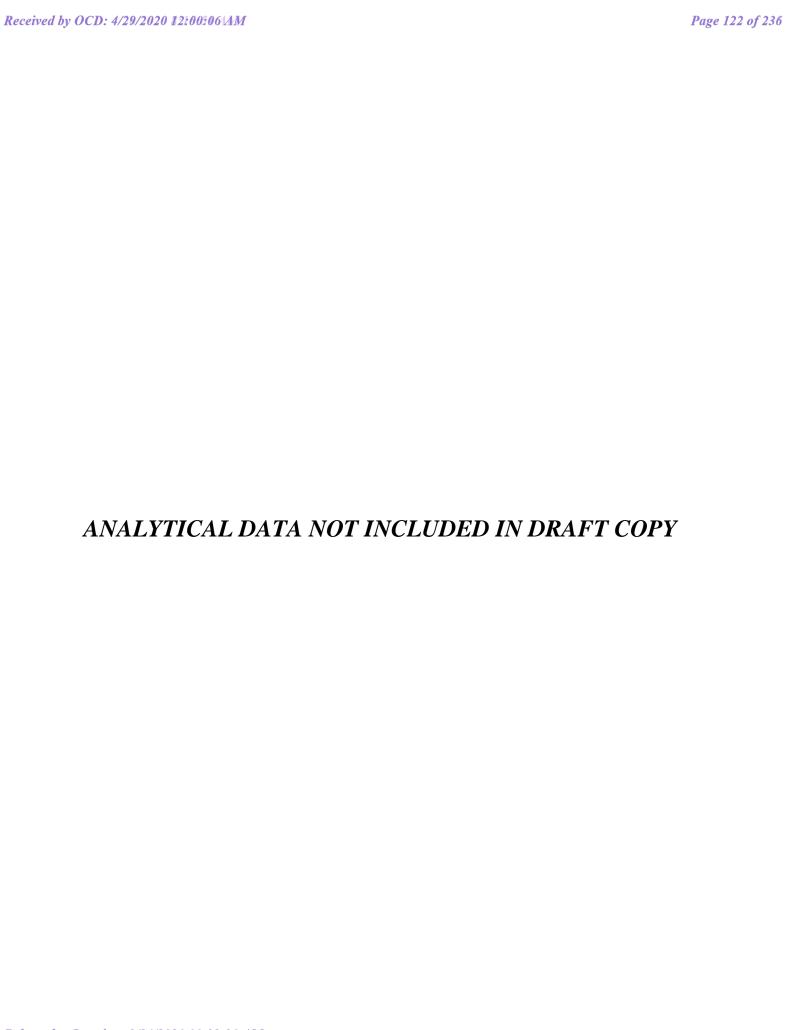


Photograph No. 11 – Installation of 20-mil liner over entire excavation.



Photograph No. 12 – Remediated site.

# ATTACHMENT II LABORATORY ANALYTICAL RESULTS AND CHAIN-OF-CUSTODY FORM





# Analytical Report

#### **Prepared for:**

David P. Duncan
Environmental Plus, Incorporated
P.O. Box 1558
Eunice, NM 88231

Project: Chevron/ Brunson Argo TB #1

Project Number: 200129

Location: UL-D, Sec. 10, T22S, R37E

Lab Order Number: 7D27002

Report Date: 05/09/07

Environmental Plus, Incorporated Project: Chevron/ Brunson Argo TB #1

P.O. Box 1558 Project Number: 200129

Eunice NM, 88231 Project Manager: David P. Duncan

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB-1 2'	7D27002-01	Soil	04/25/07 07:15	04-27-2007 10:30
SB-1 5'	7D27002-02	Soil	04/25/07 07:23	04-27-2007 10:30
SB-1 10'	7D27002-03	Soil	04/25/07 07:58	04-27-2007 10:30
SB-1 15'	7D27002-04	Soil	04/25/07 08:35	04-27-2007 10:30
SB-1 20'	7D27002-05	Soil	04/25/07 09:29	04-27-2007 10:30
SB-2 2'	7D27002-06	Soil	04/25/07 10:10	04-27-2007 10:30
SB-2 5'	7D27002-07	Soil	04/25/07 10:15	04-27-2007 10:30
SB-2 10'	7D27002-08	Soil	04/25/07 10:35	04-27-2007 10:30
SB-2 15'	7D27002-09	Soil	04/25/07 11:53	04-27-2007 10:30
SB-3 2'	7D27002-10	Soil	04/25/07 12:30	04-27-2007 10:30
SB-3 5'	7D27002-11	Soil	04/25/07 12:45	04-27-2007 10:30
SB-3 10'	7D27002-12	Soil	04/25/07 12:50	04-27-2007 10:30
SB-3 15'	7D27002-13	Soil	04/25/07 13:25	04-27-2007 10:30
SB-3 20'	7D27002-14	Soil	04/25/07 14:00	04-27-2007 10:30
SB-3 25'	7D27002-15	Soil	04/25/07 14:31	04-27-2007 10:30
SB-3 30'	7D27002-16	Soil	04/25/07 14:45	04-27-2007 10:30
SB-4 2'	7D27002-17	Soil	04/25/07 15:55	04-27-2007 10:30
SB-4 5'	7D27002-18	Soil	04/25/07 16:00	04-27-2007 10:30
SB-4 10'	7D27002-19	Soil	04/25/07 16:20	04-27-2007 10:30
SB-4 15'	7D27002-20	Soil	04/25/07 14:40	04-27-2007 10:30
SB-5 2'	7D27002-21	Soil	04/25/07 17:00	04-27-2007 10:30
SB-5 5'	7D27002-22	Soil	04/25/07 15:10	04-27-2007 10:30
SB-5 10'	7D27002-23	Soil	04/25/07 18:30	04-27-2007 10:30
SB-5 15'	7D27002-24	Soil	04/26/07 08:20	04-27-2007 10:30
SB-6 2'	7D27002-25	Soil	04/26/07 08:55	04-27-2007 10:30
SB-6 5'	7D27002-26	Soil	04/26/07 09:05	04-27-2007 10:30
SB-6 10'	7D27002-27	Soil	04/26/07 09:45	04-27-2007 10:30

Environmental Plus, Incorporated

Project: Chevron/ Brunson Argo TB #1

P.O. Box 1558

Project Number: 200129

Eunice NM, 88231

Project Manager: David P. Duncan

#### Organics by GC Environmental Lab of Texas

		Reporting	** **						
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-1 2' (7D27002-01) Soil									
Benzene	ND	0.0250	mg/kg dry	25	ED73006	04/30/07	04/30/07	EPA 8021B	
Toluene	0.148	0.0250	"	"	"	"	"	"	
Ethylbenzene	0.513	0.0250	"	"	"	"	"	"	
Xylene (p/m)	0.821	0.0250	"	"	"	"	"	"	
Xylene (o)	0.174	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		103 %	75-1	25	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		130 %	75-1	25	"	"	"	"	S-0
Carbon Ranges C6-C12	290	10.0	mg/kg dry	1	ED72507	04/25/07	05/01/07	EPA 8015M	
Carbon Ranges C12-C28	834	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	95.5	10.0	"	"	"	"	"	"	
Total Hydrocarbons	1220	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		93.6 %	70-1	30	"	"	"	"	
Surrogate: 1-Chlorooctadecane		106 %	70-1	30	"	"	"	"	
SB-1 5' (7D27002-02) Soil									
Benzene	ND	0.0250	mg/kg dry	25	ED73006	04/30/07	04/30/07	EPA 8021B	
Toluene	0.248	0.0250	"	"	"	"	"	"	
Ethylbenzene	1.18	0.0250	"	"	"	"	"	"	
Xylene (p/m)	1.49	0.0250	"	"	"	"	"	"	
Xylene (o)	0.439	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		108 %	75-1	25	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		150 %	75-1	25	"	"	"	"	S-0
Carbon Ranges C6-C12	668	10.0	mg/kg dry	1	ED72507	04/25/07	05/01/07	EPA 8015M	
Carbon Ranges C12-C28	1830	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	143	10.0	"	"	"	"	"	"	
<b>Total Hydrocarbons</b>	2640	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		94.0 %	70-1	30	"	"	"	"	
Surrogate: 1-Chlorooctadecane		124 %	70-1	30	"	"	"	"	
SB-1 10' (7D27002-03) Soil									
Benzene	ND	0.0250	mg/kg dry	25	ED73006	04/30/07	04/30/07	EPA 8021B	
Toluene	0.0267	0.0250	"	"	"	"	"	"	
Ethylbenzene	0.0441	0.0250	"	"	"	"	"	"	
Xylene (p/m)	0.0675	0.0250	"	"	"	"	"	"	
Xylene (o)	J [0.0221]	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		105 %	75-1	25	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		115 %	75-1	25	"	"	"	"	
Carbon Ranges C6-C12	29.8	10.0	mg/kg dry	1	ED72507	04/25/07	05/01/07	EPA 8015M	
Environmental Lab of Tayas									

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Environmental Plus, Incorporated

Project: Chevron/ Brunson Argo TB #1

P.O. Box 1558

Project Number: 200129

Eunice NM, 88231

Project Manager: David P. Duncan

**Environmental Lab of Texas** 

### Organics by GC

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
SB-1 10' (7D27002-03) Soil									
Carbon Ranges C12-C28	54.7	10.0	mg/kg dry	1	ED72507	04/25/07	05/01/07	EPA 8015M	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbons	84.5	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		80.4 %	70-1	130	"	"	"	"	
Surrogate: 1-Chlorooctadecane		85.6 %	70-1	130	"	"	"	"	
SB-1 15' (7D27002-04) Soil									
Benzene	ND	0.00200	mg/kg dry	2	ED73006	04/30/07	04/30/07	EPA 8021B	
Toluene	ND	0.00200	"	"	"	"	"	"	
Ethylbenzene	ND	0.00200	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00200	"	"	"	"	"	"	
Xylene (o)	ND	0.00200	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		95.0 %	75-1	125	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.0 %	75-1	125	"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	ED72701	04/27/07	05/01/07	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbons	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		82.4 %	70-1	130	"	"	"	"	
Surrogate: 1-Chlorooctadecane		97.4 %	70-1	130	"	"	"	"	
SB-1 20' (7D27002-05) Soil									
Benzene	ND	0.00200	mg/kg dry	2	ED73006	04/30/07	04/30/07	EPA 8021B	
Toluene	ND	0.00200	"	"	"	"	"	"	
Ethylbenzene	ND	0.00200	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00200	"	"	"	"	"	"	
Xylene (o)	ND	0.00200	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		91.2 %	75-1	125	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		90.8 %	75-1	125	"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	ED72701	04/27/07	05/01/07	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbons	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		86.6 %	70-1	130	"	"	"	"	
Surrogate: 1-Chlorooctadecane		99.6 %	70-1		"	"	"	"	

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Environmental Plus, Incorporated

Project: Chevron/ Brunson Argo TB #1

P.O. Box 1558

Project Number: 200129

Eunice NM, 88231

Project Manager: David P. Duncan

#### Organics by GC Environmental Lab of Texas

		231711 011	inentai La	01 1 1					
Australia	D l4	Reporting	T T:4-						
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-2 2' (7D27002-06) Soil									
Benzene	ND	0.00200	mg/kg dry	2	ED73006	04/30/07	04/30/07	EPA 8021B	
Toluene	ND	0.00200	"	"	"	"	"	"	
Ethylbenzene	ND	0.00200	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00200	"	"	"	"	"	"	
Xylene (o)	ND	0.00200	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		78.6 %	75-12	25	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		76.2 %	75-12	25	"	"	"	"	
Carbon Ranges C6-C12	11.4	10.0	mg/kg dry	1	ED72701	04/27/07	05/01/07	EPA 8015M	
Carbon Ranges C12-C28	122	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	26.9	10.0	"	"	"	"	"	"	
<b>Total Hydrocarbons</b>	160	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		84.0 %	70-1.	30	"	"	"	"	
Surrogate: 1-Chlorooctadecane		94.6 %	70-1.	30	"	"	"	"	
SB-2 5' (7D27002-07) Soil									
Benzene	ND	0.00200	mg/kg dry	2	ED73006	04/30/07	04/30/07	EPA 8021B	
Toluene	ND	0.00200	"	"	"	"	"	"	
Ethylbenzene	ND	0.00200	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00200	"	"	"	"	"	"	
Xylene (o)	ND	0.00200	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		79.4 %	75-12	25	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		76.0 %	75-12	25	"	"	"	"	
Carbon Ranges C6-C12	18.2	10.0	mg/kg dry	1	ED72701	04/27/07	05/01/07	EPA 8015M	
Carbon Ranges C12-C28	652	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	93.3	10.0	"	"	"	"	"	"	
Total Hydrocarbons	764	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		84.0 %	70-1.	30	"	"	"	"	
Surrogate: 1-Chlorooctadecane		110 %	70-1.	30	"	"	"	"	
SB-2 10' (7D27002-08) Soil									
Benzene	ND	0.00200	mg/kg dry	2	ED73006	04/30/07	04/30/07	EPA 8021B	
Toluene	ND	0.00200	"	"	"	"	"	"	
Ethylbenzene	ND	0.00200	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00200	"	"	"	"	"	"	
Xylene (o)	ND	0.00200	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		90.2 %	75-12	25	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		89.4 %	75-12	25	"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	ED72701	04/27/07	05/01/07	EPA 8015M	

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Environmental Plus, Incorporated

P.O. Box 1558

Eunice NM, 88231

Project: Chevron/ Brunson Argo TB #1

Project Number: 200129

Project Manager: David P. Duncan

#### Organics by GC

#### **Environmental Lab of Texas**

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
SB-2 10' (7D27002-08) Soil									
Carbon Ranges C12-C28	ND	10.0	mg/kg dry	1	ED72701	04/27/07	05/01/07	EPA 8015M	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbons	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		93.8 %	70-1	130	"	"	"	"	
Surrogate: 1-Chlorooctadecane		106 %	70-1	130	"	"	"	"	
SB-2 15' (7D27002-09) Soil									
Benzene	ND	0.00200	mg/kg dry	2	ED73006	04/30/07	04/30/07	EPA 8021B	
Toluene	ND	0.00200	"	"	"	"	"	"	
Ethylbenzene	ND	0.00200	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00200	"	"	"	"	"	"	
Xylene (o)	ND	0.00200	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		89.4 %	75-1	125	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		88.6 %	75-1	125	"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	ED72701	04/27/07	05/01/07	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbons	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		80.4 %	70-1	130	"	"	"	"	
Surrogate: 1-Chlorooctadecane		94.2 %	70-1	130	"	"	"	"	
SB-3 2' (7D27002-10) Soil									
Benzene	ND	0.00200	mg/kg dry	2	ED73006	04/30/07	04/30/07	EPA 8021B	
Toluene	ND	0.00200	"	"	"	"	"	"	
Ethylbenzene	J [0.00113]	0.00200	"	"	"	"	"	"	
Xylene (p/m)	0.00487	0.00200	"	"	"	"	"	"	
Xylene (o)	ND	0.00200	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		83.4 %	75-1	125	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		85.0 %	75-1	125	"	"	"	"	
Carbon Ranges C6-C12	14.5	10.0	mg/kg dry	1	ED72701	04/27/07	05/01/07	EPA 8015M	
Carbon Ranges C12-C28	53.9	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	10.8	10.0	"	"	"	"	"	"	
<b>Total Hydrocarbons</b>	79.2	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		84.8 %	70-1	130	"	"	"	"	
Surrogate: 1-Chlorooctadecane		100 %	70-1		,,	"	"	"	

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Environmental Plus, Incorporated Project: Chevron/ Brunson Argo TB #1

P.O. Box 1558 Project Number: 200129

Eunice NM, 88231 Project Manager: David P. Duncan

Organics by GC

### **Environmental Lab of Texas**

	<b>7</b>	Reporting	** **						
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-3 5' (7D27002-11) Soil									
Benzene	ND	0.00200	mg/kg dry	2	ED73006	04/30/07	04/30/07	EPA 8021B	
Toluene	ND	0.00200	"	"	"	"	"	"	
Ethylbenzene	ND	0.00200	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00200	"	"	"	"	"	"	
Xylene (o)	ND	0.00200	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		94.6 %	75-12	25	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		88.8 %	75-12	25	"	"	"	"	
Carbon Ranges C6-C12	12.4	10.0	mg/kg dry	1	ED72701	04/27/07	05/01/07	EPA 8015M	
Carbon Ranges C12-C28	37.3	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	J [9.31]	10.0	"	"	"	"	"	"	
Total Hydrocarbons	49.7	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		85.0 %	70-1.	30	"	"	"	"	
Surrogate: 1-Chlorooctadecane		97.0 %	70-1.	30	"	"	"	"	
SB-3 10' (7D27002-12) Soil									
Benzene	ND	0.00200	mg/kg dry	2	ED73006	04/30/07	04/30/07	EPA 8021B	
Toluene	ND	0.00200	"	"	"	"	"	"	
Ethylbenzene	ND	0.00200	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00200	"	"	"	"	"	"	
Xylene (o)	ND	0.00200	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		93.4 %	75-12	25	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.2 %	75-12	25	"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	ED72701	04/27/07	05/01/07	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbons	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		83.4 %	70-1.	30	"	"	"	"	
Surrogate: 1-Chlorooctadecane		96.4 %	70-1.	30	"	"	"	"	
SB-3 15' (7D27002-13) Soil									
Benzene	ND	0.00200	mg/kg dry	2	ED73006	04/30/07	04/30/07	EPA 8021B	
Toluene	ND	0.00200	"	"	"	"	"	"	
Ethylbenzene	ND	0.00200	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00200	"	"	"	"	"	"	
Xylene (o)	ND	0.00200	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		95.2 %	75-12	25	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.2 %	75-12	25	"	"	"	"	
Carbon Ranges C6-C12	ND		mg/kg dry	1	ED72701	04/27/07	05/01/07	EPA 8015M	

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Environmental Plus, Incorporated

Project: Chevron/ Brunson Argo TB #1

P.O. Box 1558 Eunice NM, 88231 Project Number: 200129

Project Manager: David P. Duncan

#### Organics by GC

#### **Environmental Lab of Texas**

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
SB-3 15' (7D27002-13) Soil									
Carbon Ranges C12-C28	ND	10.0	mg/kg dry	1	ED72701	04/27/07	05/01/07	EPA 8015M	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbons	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		81.2 %	70-1	130	"	"	"	"	
Surrogate: 1-Chlorooctadecane		93.0 %	70-1	130	"	"	"	"	
SB-3 20' (7D27002-14) Soil									
Benzene	ND	0.00200	mg/kg dry	2	ED73006	04/30/07	04/30/07	EPA 8021B	
Toluene	ND	0.00200	"	"	"	"	"	"	
Ethylbenzene	ND	0.00200	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00200	"	"	"	"	"	"	
Xylene (o)	ND	0.00200	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		96.8 %	75-1	125	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		93.6 %	75-1	125	"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	ED72701	04/27/07	05/01/07	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbons	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		76.8 %	70-1	130	"	"	"	"	
Surrogate: 1-Chlorooctadecane		90.0 %	70-1	130	"	"	"	"	
SB-3 25' (7D27002-15) Soil									
Benzene	ND	0.00200	mg/kg dry	2	ED73006	04/30/07	04/30/07	EPA 8021B	
Toluene	ND	0.00200	"	"	"	"	"	"	
Ethylbenzene	ND	0.00200	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00200	"	"	"	"	"	"	
Xylene (o)	ND	0.00200	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		90.4 %	75-1	125	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		90.0 %	75-1	125	"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	ED72701	04/27/07	05/01/07	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbons	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		70.2 %	70-1	130	"	"	"	"	
Surrogate: 1-Chlorooctadecane		94.8 %	70-1		"	"	"	"	

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Environmental Plus, Incorporated Project: Chevron/ Brunson Argo TB #1

P.O. Box 1558 Project Number: 200129

Eunice NM, 88231 Project Manager: David P. Duncan

Organics by GC

#### **Environmental Lab of Texas**

	_	Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
SB-3 30' (7D27002-16) Soil									
Benzene	ND	0.00200	mg/kg dry	2	ED73006	04/30/07	04/30/07	EPA 8021B	
Toluene	ND	0.00200	"	"	"	"	"	"	
Ethylbenzene	ND	0.00200	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00200	"	"	"	"	"	"	
Xylene (o)	ND	0.00200	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		101 %	75-12	?5	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		96.4 %	75-12	25	"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	ED72701	04/27/07	05/01/07	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbons	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		78.6 %	70-13	30	"	"	"	"	
Surrogate: 1-Chlorooctadecane		90.8 %	70-13	80	"	"	"	"	
SB-4 2' (7D27002-17) Soil									
Benzene	ND	0.00200	mg/kg dry	2	ED73006	04/30/07	04/30/07	EPA 8021B	
Toluene	ND	0.00200	"	"	"	"	"	"	
Ethylbenzene	ND	0.00200	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00200	"	"	"	"	"	"	
Xylene (o)	ND	0.00200	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		85.2 %	75-12	25	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		79.8 %	75-12	25	"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	ED72701	04/27/07	05/01/07	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbons	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		83.4 %	70-13	80	"	"	"	"	
Surrogate: 1-Chlorooctadecane		98.6 %	70-13	80	"	"	"	"	
SB-4 5' (7D27002-18) Soil									
Benzene	ND	0.00200	mg/kg dry	2	ED73008	04/30/07	05/02/07	EPA 8021B	
Toluene	ND	0.00200	"	"	"	"	"	"	
Ethylbenzene	ND	0.00200	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00200	"	"	"	"	"	"	
Xylene (o)	ND	0.00200	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		82.8 %	75-12	?5	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		80.0 %	75-12	?5	"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	ED72701	04/27/07	05/01/07	EPA 8015M	

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Environmental Plus, Incorporated

Project: Chevron/ Brunson Argo TB #1

P.O. Box 1558

Project Number: 200129

Eunice NM, 88231

Project Manager: David P. Duncan

### Organics by GC

**Environmental Lab of Texas** 

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
SB-4 5' (7D27002-18) Soil									
Carbon Ranges C12-C28	ND	10.0	mg/kg dry	1	ED72701	04/27/07	05/01/07	EPA 8015M	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbons	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		80.2 %	70-1	130	"	"	"	"	
Surrogate: 1-Chlorooctadecane		91.0 %	70-1	130	"	"	"	"	
SB-4 10' (7D27002-19) Soil									
Benzene	ND	0.00200	mg/kg dry	2	ED73008	04/30/07	05/02/07	EPA 8021B	
Toluene	ND	0.00200	"	"	"	"	"	"	
Ethylbenzene	ND	0.00200	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00200	"	"	"	"	"	"	
Xylene (o)	ND	0.00200	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		77.0 %	75-1	125	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		75.4 %	75-1	125	"	"	"	"	
Carbon Ranges C6-C12	14.4	10.0	mg/kg dry	1	ED72701	04/27/07	05/01/07	EPA 8015M	
Carbon Ranges C12-C28	901	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	174	10.0	"	"	"	"	"	"	
Total Hydrocarbons	1090	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		95.8 %	70-1	130	"	"	"	"	
Surrogate: 1-Chlorooctadecane		111 %	70-1	130	"	"	"	n,	
SB-4 15' (7D27002-20) Soil									
Benzene	ND	0.00200	mg/kg dry	2	ED73008	04/30/07	05/02/07	EPA 8021B	
Toluene	ND	0.00200	"	"	"	"	"	"	
Ethylbenzene	ND	0.00200	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00200	"	"	"	"	"	"	
Xylene (o)	ND	0.00200	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		77.8 %	75-1	125	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		78.2 %	75-1	125	"	"	"	"	
Carbon Ranges C6-C12	15.0	10.0	mg/kg dry	1	ED72701	04/27/07	05/01/07	EPA 8015M	
Carbon Ranges C12-C28	618	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	102	10.0	"	"	"	"	"	"	
Total Hydrocarbons	735	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		88.6 %	70-1	130	"	"	"	"	
Surrogate: 1-Chlorooctadecane		109 %	70-1		"	"	"	"	

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Environmental Plus, Incorporated

Project: Chevron/ Brunson Argo TB #1

P.O. Box 1558

Project Number: 200129

Eunice NM, 88231 Project Manager: David P. Duncan

### Organics by GC

Environmental Lab of Texas											
		Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes		
SB-5 2' (7D27002-21) Soil											
Benzene	0.327	0.200	mg/kg dry	200	ED73008	04/30/07	05/02/07	EPA 8021B			
Toluene	3.44	0.200	"	"	"	"	"	"			
Ethylbenzene	11.3	0.200	"	"	"	"	"	"			
Xylene (p/m)	23.9	0.200	"	"	"	"	"	"			
Xylene (o)	4.19	0.200	"	"	"	"	"	"			
Surrogate: a,a,a-Trifluorotoluene		119 %	75-1	25	"	"	"	"			
Surrogate: 4-Bromofluorobenzene		145 %	75-1	25	"	"	"	"	S-04		
Carbon Ranges C6-C12	8570	100	mg/kg dry	10	ED72702	04/30/07	05/01/07	EPA 8015M			
Carbon Ranges C12-C28	33700	100	"	"	"	"	"	"			
Carbon Ranges C28-C35	ND	100	"	"	"	"	"	"			
<b>Total Hydrocarbons</b>	42300	100	"	"	"	"	"	"			
Surrogate: 1-Chlorooctane		21.2 %	70-1	30	"	"	"	"	S-06		
Surrogate: 1-Chlorooctadecane		34.2 %	70-1	30	"	"	"	"	S-06		
SB-5 5' (7D27002-22) Soil											
Benzene	ND	0.0250	mg/kg dry	25	ED73008	04/30/07	05/02/07	EPA 8021B			
Toluene	0.0380	0.0250	"	"	"	"	"	"			
Ethylbenzene	0.210	0.0250	"	"	"	"	"	"			
Xylene (p/m)	0.584	0.0250	"	"	"	"	"	"			
Xylene (o)	0.250	0.0250	"	"	"	"	"	"			
Surrogate: a,a,a-Trifluorotoluene		100 %	75-1	25	"	"	"	"			
Surrogate: 4-Bromofluorobenzene		129 %	75-1	25	"	"	"	"	S-04		
Carbon Ranges C6-C12	295	50.0	mg/kg dry	5	ED72702	04/30/07	05/01/07	EPA 8015M			
Carbon Ranges C12-C28	1360	50.0	"	"	"	"	"	"			
Carbon Ranges C28-C35	183	50.0	"	"	"	"	"	"			
<b>Total Hydrocarbons</b>	1840	50.0	"	"	"	"	"	"			
Surrogate: 1-Chlorooctane		17.4 %	70-1	30	"	"	"	"	S-06		
Surrogate: 1-Chlorooctadecane		21.4 %	70-1	30	"	"	"	n .	S-06		
SB-5 10' (7D27002-23) Soil											
Benzene	ND	0.0250	mg/kg dry	25	ED73008	04/30/07	05/02/07	EPA 8021B			
Toluene	J [0.0118]	0.0250	"	"	"	"	"	"	J		
Ethylbenzene	0.0556	0.0250	"	"	"	"	"	"			
Xylene (p/m)	0.148	0.0250	"	"	"	"	"	"			
Xylene (o)	0.0587	0.0250	"	"	"	"	"	"			
Surrogate: a,a,a-Trifluorotoluene		100 %	75-1	25	"	"	"	"			
Surrogate: 4-Bromofluorobenzene		106 %	75-1	25	"	"	"	"			
Carbon Ranges C6-C12	331	50.0	mg/kg dry	5	ED72702	04/30/07	05/01/07	EPA 8015M			

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Environmental Plus, Incorporated Project: Chevron/ Brunson Argo TB #1

P.O. Box 1558 Project Number: 200129

Eunice NM, 88231 Project Manager: David P. Duncan

#### Organics by GC

**Environmental Lab of Texas** 

#### Reporting Result Limit Units Analyte Dilution Batch Prepared Analyzed Method Notes SB-5 10' (7D27002-23) Soil EPA 8015M 3890 Carbon Ranges C12-C28 50.0 mg/kg dry ED72702 04/30/07 05/01/07 Carbon Ranges C28-C35 627 50.0 **Total Hydrocarbons** 4850 50.0 70-130 Surrogate: 1-Chlorooctane 15.2 % S-06 Surrogate: 1-Chlorooctadecane 15.9 % 70-130 S-06 SB-5 15' (7D27002-24) Soil Benzene ND 0.00200 mg/kg dry 2 ED73008 04/30/07 05/02/07 EPA 8021B Toluene 0.00200 ND Ethylbenzene 0.00200 ND Xylene (p/m) ND 0.00200 Xylene (o) 0.00200 ND 75-125 77.2 % Surrogate: a,a,a-Trifluorotoluene 75-125 Surrogate: 4-Bromofluorobenzene 79.6 % Carbon Ranges C6-C12 ND 10.0 mg/kg dry ED72702 04/30/07 05/01/07 EPA 8015M Carbon Ranges C12-C28 10.0 ND Carbon Ranges C28-C35 10.0 ND Total Hydrocarbons 10.0 ND Surrogate: 1-Chlorooctane 70.4 % 70-130 74.4 % 70-130 Surrogate: 1-Chlorooctadecane SB-6 2' (7D27002-25) Soil Benzene ND 0.00200 mg/kg dry 2 ED73008 04/30/07 05/02/07 EPA 8021B Toluene ND 0.00200 Ethylbenzene 0.00200 ND Xylene (p/m) ND 0.00200 0.00200 Xylene (o) ND 84.0 % 75-125 Surrogate: a,a,a-Trifluorotoluene Surrogate: 4-Bromofluorobenzene 89.2 % 75-125 Carbon Ranges C6-C12 10.0 mg/kg dry ED72702 04/30/07 05/01/07 EPA 8015M ND Carbon Ranges C12-C28 10.0 ND Carbon Ranges C28-C35 ND 10.0 Total Hydrocarbons ND 10.0 70.6% 70-130 Surrogate: 1-Chlorooctane 70-130 Surrogate: 1-Chlorooctadecane 70.0 %

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Environmental Plus, Incorporated

Project: Chevron/ Brunson Argo TB #1

P.O. Box 1558

Project Number: 200129

Eunice NM, 88231

Project Manager: David P. Duncan

#### Organics by GC

#### **Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-6 5' (7D27002-26) Soil									
Benzene	ND	0.00200	mg/kg dry	2	ED73008	04/30/07	05/02/07	EPA 8021B	
Toluene	ND	0.00200	"	"	"	"	"	"	
Ethylbenzene	ND	0.00200	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00200	"	"	"	"	"	"	
Xylene (o)	ND	0.00200	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		77.2 %	75-1	25	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		78.0 %	75-1	25	"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	ED72702	04/30/07	05/01/07	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbons	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		71.6 %	70-1	30	"	"	"	"	
Surrogate: 1-Chlorooctadecane		78.8 %	70-1	30	"	"	"	"	
SB-6 10' (7D27002-27) Soil									
Benzene	ND	0.00200	mg/kg dry	2	ED73008	04/30/07	05/02/07	EPA 8021B	
Toluene	ND	0.00200	"	"	"	"	"	"	
Ethylbenzene	ND	0.00200	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00200	"	"	"	"	"	"	
Xylene (o)	ND	0.00200	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		85.8 %	75-1	25	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		84.4 %	75-1	25	"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	ED72702	04/30/07	05/01/07	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbons	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		70.2 %	70-1	30	"	"	"	"	
Surrogate: 1-Chlorooctadecane		75.4 %	70-1	30	,,	"	"	"	

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Environmental Plus, Incorporated Project: Chevron/ Brunson Argo TB #1

P.O. Box 1558 Project Number: 200129

Eunice NM, 88231 Project Manager: David P. Duncan

#### General Chemistry Parameters by EPA / Standard Methods Environmental Lab of Texas

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-1 2' (7D27002-01) Soil									
Chloride	J [6.90]	10.0	mg/kg	20	EE70706	05/07/07	05/07/07	EPA 300.0	J
% Moisture	6.5	0.1	%	1	ED73004	04/27/07	04/27/07	% calculation	
Sulfate	16.0	10.0	mg/kg	20	EE70706	05/07/07	05/07/07	EPA 300.0	
SB-1 5' (7D27002-02) Soil									
Chloride	35.8	5.00	mg/kg	10	EE70706	05/07/07	05/07/07	EPA 300.0	
% Moisture	7.9	0.1	%	1	ED73004	04/27/07	04/27/07	% calculation	
Sulfate	24.8	5.00	mg/kg	10	EE70706	05/07/07	05/07/07	EPA 300.0	
SB-1 10' (7D27002-03) Soil									
Chloride	21.6	5.00	mg/kg	10	EE70706	05/07/07	05/07/07	EPA 300.0	
% Moisture	11.1	0.1	%	1	ED73004	04/27/07	04/27/07	% calculation	
Sulfate	20.3	5.00	mg/kg	10	EE70706	05/07/07	05/07/07	EPA 300.0	
SB-1 15' (7D27002-04) Soil									
Chloride	13.3	5.00	mg/kg	10	EE70706	05/07/07	05/07/07	EPA 300.0	
% Moisture	12.8	0.1	%	1	ED73004	04/27/07	04/27/07	% calculation	
Sulfate	16.1	5.00	mg/kg	10	EE70706	05/07/07	05/07/07	EPA 300.0	
SB-1 20' (7D27002-05) Soil									
Chloride	J [4.54]	5.00	mg/kg	10	EE70706	05/07/07	05/07/07	EPA 300.0	J
% Moisture	11.3	0.1	%	1	ED73004	04/27/07	04/27/07	% calculation	
Sulfate	11.6	5.00	mg/kg	10	EE70706	05/07/07	05/07/07	EPA 300.0	
SB-2 2' (7D27002-06) Soil									
Chloride	J [7.07]	10.0	mg/kg	20	EE70706	05/07/07	05/07/07	EPA 300.0	J
% Moisture	13.2	0.1	%	1	ED73004	04/27/07	04/27/07	% calculation	
Sulfate	26.3	10.0	mg/kg	20	EE70706	05/07/07	05/07/07	EPA 300.0	
SB-2 5' (7D27002-07) Soil									
Chloride	74.6	10.0	mg/kg	20	EE70706	05/07/07	05/07/07	EPA 300.0	
% Moisture	9.9	0.1	%	1	ED73004	04/27/07	04/27/07	% calculation	
Sulfate	42.4	10.0	mg/kg	20	EE70706	05/07/07	05/07/07	EPA 300.0	

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Environmental Plus, Incorporated Project: Chevron/ Brunson Argo TB #1

P.O. Box 1558 Project Number: 200129

Eunice NM, 88231 Project Manager: David P. Duncan

#### General Chemistry Parameters by EPA / Standard Methods Environmental Lab of Texas

Analyta	Result	Reporting Limit	Units						
Analyte	Resuit	Lillit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-2 10' (7D27002-08) Soil									
Chloride	52.6	5.00	mg/kg	10	EE70706	05/07/07	05/07/07	EPA 300.0	
% Moisture	7.8	0.1	%	1	ED73004	04/27/07	04/27/07	% calculation	
Sulfate	24.4	5.00	mg/kg	10	EE70706	05/07/07	05/07/07	EPA 300.0	
SB-2 15' (7D27002-09) Soil									
Chloride	11.4	5.00	mg/kg	10	EE70706	05/07/07	05/07/07	EPA 300.0	
% Moisture	10.4	0.1	%	1	ED73004	04/27/07	04/27/07	% calculation	
Sulfate	23.8	5.00	mg/kg	10	EE70706	05/07/07	05/07/07	EPA 300.0	
SB-3 2' (7D27002-10) Soil									
Chloride	338	25.0	mg/kg	50	EE70706	05/07/07	05/07/07	EPA 300.0	
% Moisture	8.3	0.1	%	1	ED73004	04/27/07	04/27/07	% calculation	
Sulfate	91.4	25.0	mg/kg	50	EE70706	05/07/07	05/07/07	EPA 300.0	
SB-3 5' (7D27002-11) Soil									
Chloride	150	10.0	mg/kg	20	EE70706	05/07/07	05/07/07	EPA 300.0	
% Moisture	7.9	0.1	%	1	ED73004	04/27/07	04/27/07	% calculation	
Sulfate	21.4	10.0	mg/kg	20	EE70706	05/07/07	05/07/07	EPA 300.0	
SB-3 10' (7D27002-12) Soil									
Chloride	588	50.0	mg/kg	100	EE70706	05/07/07	05/07/07	EPA 300.0	
% Moisture	8.2	0.1	%	1	ED73004	04/27/07	04/27/07	% calculation	
Sulfate	67.4	50.0	mg/kg	100	EE70706	05/07/07	05/07/07	EPA 300.0	
SB-3 15' (7D27002-13) Soil									
Chloride	303	10.0	mg/kg	20	EE70706	05/07/07	05/07/07	EPA 300.0	
% Moisture	7.9	0.1	%	1	ED73004	04/27/07	04/27/07	% calculation	
Sulfate	28.0	10.0	mg/kg	20	EE70706	05/07/07	05/07/07	EPA 300.0	
SB-3 20' (7D27002-14) Soil									
Chloride	171	50.0	mg/kg	100	EE70706	05/07/07	05/07/07	EPA 300.0	
% Moisture	7.4	0.1	%	1	ED73004	04/27/07	04/27/07	% calculation	
Sulfate	69.1	50.0	mg/kg	100	EE70706	05/07/07	05/07/07	EPA 300.0	

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Environmental Plus, Incorporated Project: Chevron/ Brunson Argo TB #1 Fax: 505-394-2601

P.O. Box 1558 Project Number: 200129

Eunice NM, 88231 Project Manager: David P. Duncan

#### General Chemistry Parameters by EPA / Standard Methods Environmental Lab of Texas

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-3 25' (7D27002-15) Soil									
Chloride	93.3	5.00	mg/kg	10	EE70706	05/07/07	05/07/07	EPA 300.0	
% Moisture	2.6	0.1	%	1	ED73004	04/27/07	04/27/07	% calculation	
Sulfate	21.1	5.00	mg/kg	10	EE70706	05/07/07	05/07/07	EPA 300.0	
SB-3 30' (7D27002-16) Soil									
Chloride	78.1	20.0	mg/kg	40	EE70706	05/07/07	05/07/07	EPA 300.0	
% Moisture	2.7	0.1	%	1	ED73004	04/27/07	04/27/07	% calculation	
Sulfate	30.5	20.0	mg/kg	40	EE70706	05/07/07	05/07/07	EPA 300.0	
SB-4 2' (7D27002-17) Soil									
Chloride	159	10.0	mg/kg	20	EE70706	05/07/07	05/07/07	EPA 300.0	
% Moisture	12.5	0.1	%	1	ED73004	04/27/07	04/27/07	% calculation	
Sulfate	28.7	10.0	mg/kg	20	EE70706	05/07/07	05/07/07	EPA 300.0	
SB-4 5' (7D27002-18) Soil									
Chloride	126	5.00	mg/kg	10	EE70706	05/07/07	05/07/07	EPA 300.0	
% Moisture	10.2	0.1	%	1	ED73004	04/27/07	04/27/07	% calculation	
Sulfate	56.3	5.00	mg/kg	10	EE70706	05/07/07	05/07/07	EPA 300.0	
SB-4 10' (7D27002-19) Soil									
Chloride	106	5.00	mg/kg	10	EE70706	05/07/07	05/07/07	EPA 300.0	
% Moisture	7.3	0.1	%	1	ED73004	04/27/07	04/27/07	% calculation	
Sulfate	44.6	5.00	mg/kg	10	EE70706	05/07/07	05/07/07	EPA 300.0	
SB-4 15' (7D27002-20) Soil									
Chloride	201	50.0	mg/kg	100	EE70706	05/07/07	05/07/07	EPA 300.0	
% Moisture	8.6	0.1	%	1	ED73004	04/27/07	04/27/07	% calculation	
Sulfate	116	50.0	mg/kg	100	EE70706	05/07/07	05/07/07	EPA 300.0	
SB-5 2' (7D27002-21) Soil									
Chloride	12.7	10.0	mg/kg	20	EE70708	05/07/07	05/07/07	EPA 300.0	
% Moisture	15.3	0.1	%	1	ED73004	04/27/07	04/27/07	% calculation	
Sulfate	879	10.0	mg/kg	20	EE70708	05/07/07	05/07/07	EPA 300.0	

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Environmental Plus, Incorporated Project: Chevron/ Brunson Argo TB #1

P.O. Box 1558 Project Number: 200129

Eunice NM, 88231 Project Manager: David P. Duncan

#### General Chemistry Parameters by EPA / Standard Methods Environmental Lab of Texas

#### Reporting Result Limit Units Analyte Dilution Batch Prepared Analyzed Method Notes SB-5 5' (7D27002-22) Soil EPA 300.0 16.5 Chloride 5.00 mg/kg 10 EE70708 05/07/07 05/07/07 % calculation % Moisture 10.9 0.1 % 1 ED73004 04/27/07 04/27/07 **Sulfate** 23.7 EPA 300.0 5.00 mg/kg 10 EE70708 05/07/07 05/07/07 SB-5 10' (7D27002-23) Soil EPA 300.0 Chloride 21.6 5.00 mg/kg 10 EE70708 05/07/07 05/07/07 % Moisture 8.7 % % calculation 0.1 ED73004 04/27/07 04/27/07 EPA 300.0 **Sulfate** 42.5 5.00 mg/kg 10 EE70708 05/07/07 05/07/07 SB-5 15' (7D27002-24) Soil EPA 300.0 Chloride J [4.48] 5.00 mg/kg 10 EE70708 05/07/07 05/07/07 % Moisture 10.7 0.1 % % calculation 1 ED73004 04/27/07 04/27/07 EPA 300.0 Sulfate 36.4 5.00 mg/kg 10 EE70708 05/07/07 05/07/07 SB-6 2' (7D27002-25) Soil Chloride J [3.70] 5.00 mg/kg EPA 300.0 10 EE70708 05/07/07 05/07/07 % Moisture % calculation 2.5 0.1 % ED73004 04/27/07 04/27/07 Sulfate 8.15 5.00 mg/kg EPA 300.0 10 EE70708 05/07/07 05/07/07 SB-6 5' (7D27002-26) Soil Chloride EPA 300.0 5.46 5.00 mg/kg 10 EE70708 05/07/07 05/07/07 % Moisture 5.8 0.1 % % calculation 1 ED73004 04/27/07 04/27/07 Sulfate 30.0 EPA 300.0 5.00 mg/kg 10 EE70708 05/07/07 05/07/07 SB-6 10' (7D27002-27) Soil EPA 300.0 Chloride 115 10.0 mg/kg 20 EE70708 05/07/07 05/07/07 % Moisture 5.3 % % calculation 0.1 ED73004 04/27/07 04/27/07 1 Sulfate 2040 EPA 300.0 10.0 mg/kg 20 EE70708 05/07/07 05/07/07

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Environmental Plus, Incorporated Project: Chevron/ Brunson Argo TB #1 Fax: 505-394-2601

P.O. Box 1558 Project Number: 200129

Eunice NM, 88231 Project Manager: David P. Duncan

#### Organics by GC - Quality Control Environmental Lab of Texas

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch ED72507 - Solvent Extraction (GC)										
Blank (ED72507-BLK1)				Prepared: (	04/25/07 Ar	nalyzed: 05	/01/07			
Carbon Ranges C6-C12	ND	10.0	mg/kg wet							
Carbon Ranges C12-C28	ND	10.0	"							
Carbon Ranges C28-C35	ND	10.0	"							
Total Hydrocarbons	ND	10.0	"							
Surrogate: 1-Chlorooctane	40.3		mg/kg	50.0		80.6	70-130			
Surrogate: 1-Chlorooctadecane	47.7		"	50.0		95.4	70-130			
LCS (ED72507-BS1)				Prepared: (	04/25/07 Ar	nalyzed: 05	//01/07			
Carbon Ranges C6-C12	600	10.0	mg/kg wet	500		120	75-125			
Carbon Ranges C12-C28	471	10.0	"	500		94.2	75-125			
Carbon Ranges C28-C35	ND	10.0	"	0.00			75-125			
Total Hydrocarbons	1070	10.0	"	1000		107	75-125			
Surrogate: 1-Chlorooctane	46.1		mg/kg	50.0		92.2	70-130			
Surrogate: 1-Chlorooctadecane	49.5		"	50.0		99.0	70-130			
Calibration Check (ED72507-CCV1)				Prepared: (	04/25/07 Ar	nalyzed: 05	/01/07			
Carbon Ranges C6-C12	211		mg/kg	250		84.4	80-120			
Carbon Ranges C12-C28	207		"	250		82.8	80-120			
Total Hydrocarbons	418		"	500		83.6	80-120			
Surrogate: 1-Chlorooctane	49.6		"	50.0		99.2	70-130			
Surrogate: 1-Chlorooctadecane	57.8		"	50.0		116	70-130			
Matrix Spike (ED72507-MS1)	Sou	ırce: 7D24008	3-04	Prepared: 0	04/25/07 Ar	nalyzed: 05	/01/07			
Carbon Ranges C6-C12	636	10.0	mg/kg dry	515	ND	123	75-125			
Carbon Ranges C12-C28	538	10.0	"	515	ND	104	75-125			
Carbon Ranges C28-C35	ND	10.0	"	0.00	ND		75-125			
Total Hydrocarbons	1170	10.0	"	1030	ND	114	75-125			
Surrogate: 1-Chlorooctane	64.0		mg/kg	50.0		128	70-130			
Surrogate: 1-Chlorooctadecane	58.0		"	50.0		116	70-130			

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Environmental Plus, Incorporated Project: Chevron/ Brunson Argo TB #1

P.O. Box 1558 Project Number: 200129

Eunice NM, 88231 Project Manager: David P. Duncan

#### **Organics by GC - Quality Control Environmental Lab of Texas**

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

#### **Batch ED72507 - Solvent Extraction (GC)**

Matrix Spike Dup (ED72507-MSD1)	Source	Source: 7D24008-04			nalyzed: 0:	5/01/07			
Carbon Ranges C6-C12	641	10.0 mg/kg dr	y 515	ND	124	75-125	0.810	20	
Carbon Ranges C12-C28	529	10.0 "	515	ND	103	75-125	0.966	20	
Carbon Ranges C28-C35	ND	10.0 "	0.00	ND		75-125		20	
Total Hydrocarbons	1170	10.0 "	1030	ND	114	75-125	0.00	20	
Surrogate: 1-Chlorooctane	61.4	mg/kg	50.0		123	70-130			
Surrogate: 1-Chlorooctadecane	52.0	"	50.0		104	70-130			

Blank (ED72701-BLK1)				Prepared: 04/27/	07 Analyzed: 05	5/01/07
Carbon Ranges C6-C12	ND	10.0	mg/kg wet			
Carbon Ranges C12-C28	ND	10.0	"			
Carbon Ranges C28-C35	ND	10.0	"			
Total Hydrocarbons	ND	10.0	"			
Surrogate: 1-Chlorooctane	46.0		mg/kg	50.0	92.0	70-130
Surrogate: 1-Chlorooctadecane	49.3		"	50.0	98.6	70-130
LCS (ED72701-BS1)				Prepared: 04/27/	07 Analyzed: 05	5/01/07
Carbon Ranges C6-C12	605	10.0	mg/kg wet	500	121	75-125
Carbon Ranges C12-C28	478	10.0	"	500	95.6	75-125
Carbon Ranges C28-C35	ND	10.0	"	0.00		75-125
Total Hydrocarbons	1080	10.0	"	1000	108	75-125
Surrogate: 1-Chlorooctane	54.9		mg/kg	50.0	110	70-130
Surrogate: 1-Chlorooctadecane	50.8		"	50.0	102	70-130
Calibration Check (ED72701-CCV1)				Prepared: 04/27/	07 Analyzed: 05	5/01/07
Carbon Ranges C6-C12	216		mg/kg	250	86.4	80-120
Carbon Ranges C12-C28	214		"	250	85.6	80-120
Total Hydrocarbons	430		"	500	86.0	80-120
Surrogate: 1-Chlorooctane	51.1		"	50.0	102	70-130

50.0

59.9

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Surrogate: 1-Chlorooctadecane

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Environmental Plus, Incorporated Project: Chevron/ Brunson Argo TB #1

P.O. Box 1558

Project Number: 200129

Eunice NM, 88231 Project Manager: David P. Duncan

#### Organics by GC - Quality Control Environmental Lab of Texas

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

#### **Batch ED72701 - Solvent Extraction (GC)**

Matrix Spike (ED72701-MS1)	Source	Source: 7D27002-04			04/27/07 A	Analyzed: 05	5/02/07			
Carbon Ranges C6-C12	690	10.0	mg/kg dry	573	ND	120	75-125			
Carbon Ranges C12-C28	547	10.0	"	573	ND	95.5	75-125			
Carbon Ranges C28-C35	ND	10.0	"	0.00	ND		75-125			
Total Hydrocarbons	1240	10.0	"	1150	ND	108	75-125			
Surrogate: 1-Chlorooctane	59.3		mg/kg	50.0		119	70-130			
Surrogate: 1-Chlorooctadecane	56.3		"	50.0		113	70-130			
Matrix Spike Dup (ED72701-MSD1)	Source	e: 7D27002	-04	Prepared: 0	04/27/07 A	analyzed: 05	5/02/07			
Carbon Ranges C6-C12	648	10.0	mg/kg dry	573	ND	113	75-125	6.01	20	
Carbon Ranges C12-C28	511	10.0	"	573	ND	89.2	75-125	6.82	20	
Carbon Ranges C28-C35	ND	10.0	"	0.00	ND		75-125		20	

_						
Carbon Ranges C28-C35	ND	10.0 "	0.00	ND		75-125
Total Hydrocarbons	1160	10.0 "	1150	ND	101	75-125
Surrogate: 1-Chlorooctane	53.8	mg/kg	50.0		108	70-130
Surrogate: 1-Chlorooctadecane	50.1	"	50.0		100	70-130

#### **Batch ED72702 - Solvent Extraction (GC)**

Blank (ED72702-BLK1)				Prepared: 04/30	/07 Analyzed: 05	/01/07	
Carbon Ranges C6-C12	ND	10.0	mg/kg wet				
Carbon Ranges C12-C28	ND	10.0	"				
Carbon Ranges C28-C35	ND	10.0	"				
Total Hydrocarbons	ND	10.0	"				
Surrogate: 1-Chlorooctane	36.5		mg/kg	50.0	73.0	70-130	
Surrogate: 1-Chlorooctadecane	37.3		"	50.0	74.6	70-130	
LCS (ED72702-BS1)				Prepared: 04/30	/07 Analyzed: 05	/01/07	
Carbon Ranges C6-C12	614	10.0	mg/kg wet	500	123	75-125	
Carbon Ranges C12-C28	551	10.0	"	500	110	75-125	
Carbon Ranges C28-C35	ND	10.0	"	0.00		75-125	
Total Hydrocarbons	1160	10.0	"	1000	116	75-125	
Surrogate: 1-Chlorooctane	44.3		mg/kg	50.0	88.6	70-130	
Surrogate. 1-Chioroociane	77.3		1118/118	30.0	00.0	, 0 150	

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Environmental Plus, Incorporated Project: Chevron/ Brunson Argo TB #1

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P.O. Box 1558 Eunice NM, 88231 Project Number: 200129

Project Manager: David P. Duncan

**Organics by GC - Quality Control Environmental Lab of Texas** 

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

<b>Batch ED72702 - Solvent Extraction (GC</b>	<u>C)</u>									
Calibration Check (ED72702-CCV1)				Prepared: 0	04/30/07 A	nalyzed: 05	5/01/07			
Carbon Ranges C6-C12	290		mg/kg	250		116	80-120			
Carbon Ranges C12-C28	252		"	250		101	80-120			
Total Hydrocarbons	542		"	500		108	80-120			
Surrogate: 1-Chlorooctane	43.4		"	50.0		86.8	70-130			
Surrogate: 1-Chlorooctadecane	40.2		"	50.0		80.4	70-130			
Matrix Spike (ED72702-MS1)	Source	: 7D27002	2-24	Prepared: 0	04/30/07 A	nalyzed: 05	5/02/07			
Carbon Ranges C6-C12	636	10.0	mg/kg dry	560	ND	114	75-125			
Carbon Ranges C12-C28	535	10.0	"	560	ND	95.5	75-125			
Carbon Ranges C28-C35	ND	10.0	"	0.00	ND		75-125			
Total Hydrocarbons	1170	10.0	"	1120	ND	104	75-125			
Surrogate: 1-Chlorooctane	42.7		mg/kg	50.0		85.4	70-130			
Surrogate: 1-Chlorooctadecane	37.6		"	50.0		75.2	70-130			
Matrix Spike Dup (ED72702-MSD1)	Source	: 7D27002	2-24	Prepared: 0	04/30/07 A	nalyzed: 05	5/02/07			
Carbon Ranges C6-C12	677	10.0	mg/kg dry	560	ND	121	75-125	5.96	20	
Carbon Ranges C12-C28	598	10.0	"	560	ND	107	75-125	11.4	20	
Carbon Ranges C28-C35	ND	10.0	"	0.00	ND		75-125		20	
Total Hydrocarbons	1270	10.0	"	1120	ND	113	75-125	8.29	20	
Surrogate: 1-Chlorooctane	52.9		mg/kg	50.0		106	70-130			

#### Batch ED73006 - EPA 5030C (GC)

Surrogate: 1-Chlorooctadecane

Blank (ED73006-BLK1)				Prepared & Anal	repared & Analyzed: 04/30/07					
Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00100	"							
Xylene (o)	ND	0.00100	"							
Surrogate: a,a,a-Trifluorotoluene	52.0		ug/kg	50.0	104	75-125				
Surrogate: 4-Bromofluorobenzene	53.0		"	50.0	106	75-125				

50.0

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Environmental Plus, Incorporated Project: Chevron/ Brunson Argo TB #1 Fax: 505-394-2601

P.O. Box 1558 Project Number: 200129

Eunice NM, 88231 Project Manager: David P. Duncan

#### Organics by GC - Quality Control Environmental Lab of Texas

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch ED73006 - EPA 5030C (GC)										
LCS (ED73006-BS1)				Prepared &	Analyzed:	04/30/07				
Benzene	0.0544	0.00100	mg/kg wet	0.0500		109	80-120			
Toluene	0.0556	0.00100	"	0.0500		111	80-120			
Ethylbenzene	0.0570	0.00100	"	0.0500		114	80-120			
Xylene (p/m)	0.107	0.00100	"	0.100		107	80-120			
Xylene (o)	0.0564	0.00100	"	0.0500		113	80-120			
Surrogate: a,a,a-Trifluorotoluene	54.2		ug/kg	50.0		108	75-125			
Surrogate: 4-Bromofluorobenzene	55.6		"	50.0		111	75-125			
Calibration Check (ED73006-CCV1)				Prepared &	Analyzed:	04/30/07				
Benzene	53.6		ug/kg	50.0		107	80-120			
Toluene	54.7		"	50.0		109	80-120			
Ethylbenzene	56.0		"	50.0		112	80-120			
Xylene (p/m)	102		"	100		102	80-120			
Xylene (o)	55.9		"	50.0		112	80-120			
Surrogate: a,a,a-Trifluorotoluene	53.2		"	50.0		106	75-125			
Surrogate: 4-Bromofluorobenzene	51.8		"	50.0		104	75-125			
Matrix Spike (ED73006-MS1)	Sou	rce: 7D26005	5-03	Prepared: 0	04/30/07 A	nalyzed: 05	5/02/07			
Benzene	0.0990	0.00200	mg/kg dry	0.107	ND	92.5	80-120			
Toluene	0.0981	0.00200	"	0.107	ND	91.7	80-120			
Ethylbenzene	0.103	0.00200	"	0.107	ND	96.3	80-120			
Xylene (p/m)	0.190	0.00200	"	0.215	ND	88.4	80-120			
Xylene (o)	0.0995	0.00200	"	0.107	ND	93.0	80-120			
Surrogate: a,a,a-Trifluorotoluene	43.8		ug/kg	50.0		87.6	75-125			
Surrogate: 4-Bromofluorobenzene	43.7		"	50.0		87.4	75-125			
Matrix Spike Dup (ED73006-MSD1)	Sou	rce: 7D26005	5-03	Prepared: 0	04/30/07 A	nalyzed: 05	5/02/07			
Benzene	0.102	0.00200	mg/kg dry	0.107	ND	95.3	80-120	2.98	20	
Toluene	0.102	0.00200	"	0.107	ND	95.3	80-120	3.85	20	
Ethylbenzene	0.104	0.00200	"	0.107	ND	97.2	80-120	0.930	20	
Xylene (p/m)	0.193	0.00200	"	0.215	ND	89.8	80-120	1.57	20	
Xylene (o)	0.101	0.00200	"	0.107	ND	94.4	80-120	1.49	20	
Surrogate: a,a,a-Trifluorotoluene	46.4		ug/kg	50.0		92.8	75-125			
Surrogate: 4-Bromofluorobenzene	45.9		"	50.0		91.8	75-125			

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Environmental Plus, Incorporated Project: Chevron/ Brunson Argo TB #1 Fax: 505-394-2601

P.O. Box 1558 Project Number: 200129

Eunice NM, 88231 Project Manager: David P. Duncan

## Organics by GC - Quality Control Environmental Lab of Texas

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch ED73008 - EPA 5030C (GC)										
Blank (ED73008-BLK1)				Prepared: (	04/30/07 A	nalyzed: 05	/02/07			
Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00100	"							
Xylene (o)	ND	0.00100	"							
Surrogate: a,a,a-Trifluorotoluene	52.3		ug/kg	50.0		105	75-125			
Surrogate: 4-Bromofluorobenzene	49.5		"	50.0		99.0	75-125			
LCS (ED73008-BS1)				Prepared: (	04/30/07 A	nalyzed: 05	/02/07			
Benzene	0.0550	0.00100	mg/kg wet	0.0500		110	80-120			
Toluene	0.0558	0.00100	"	0.0500		112	80-120			
Ethylbenzene	0.0562	0.00100	"	0.0500		112	80-120			
Xylene (p/m)	0.105	0.00100	"	0.100		105	80-120			
Xylene (o)	0.0559	0.00100	"	0.0500		112	80-120			
Surrogate: a,a,a-Trifluorotoluene	56.3		ug/kg	50.0		113	75-125			
Surrogate: 4-Bromofluorobenzene	54.8		"	50.0		110	75-125			
Calibration Check (ED73008-CCV1)				Prepared: (	04/30/07 A	nalyzed: 05	/02/07			
Benzene	0.103		mg/kg wet	0.100		103	80-120			
Toluene	0.106		"	0.100		106	80-120			
Ethylbenzene	0.106		"	0.100		106	80-120			
Xylene (p/m)	0.200		"	0.200		100	80-120			
Xylene (o)	0.109		"	0.100		109	80-120			
Surrogate: a,a,a-Trifluorotoluene	49.2		ug/kg	50.0		98.4	75-125			
Surrogate: 4-Bromofluorobenzene	50.5		"	50.0		101	75-125			
Matrix Spike (ED73008-MS1)	Sou	ırce: 7D27002	2-18	Prepared: 0	04/30/07 A	nalyzed: 05	/02/07			
Benzene	0.0943	0.00200	mg/kg dry	0.111	ND	85.0	80-120			
Toluene	0.0934	0.00200	"	0.111	ND	84.1	80-120			
Ethylbenzene	0.0940	0.00200	"	0.111	ND	84.7	80-120			
Xylene (p/m)	0.179	0.00200	"	0.223	ND	80.3	80-120			
Xylene (o)	0.0910	0.00200	"	0.111	ND	82.0	80-120			
Surrogate: a,a,a-Trifluorotoluene	37.7		ug/kg	50.0		75.4	75-125			
Surrogate: 4-Bromofluorobenzene	38.0		"	50.0		76.0	75-125			

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Environmental Plus, Incorporated Project: Chevron/ Brunson Argo TB #1

Result

P.O. Box 1558 Project Number: 200129

Eunice NM, 88231 Project Manager: David P. Duncan Fax: 505-394-2601

## **Organics by GC - Quality Control Environmental Lab of Texas**

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

Ratch	ED73008 -	EPA	5030C (	(C)

Analyte

Matrix Spike Dup (ED73008-MSD1)	Sour	rce: 7D27002	-18	Prepared: 0	04/30/07 A	nalyzed: 05	5/02/07			
Benzene	0.0949	0.00200	mg/kg dry	0.111	ND	85.5	80-120	0.587	20	
Toluene	0.0935	0.00200	"	0.111	ND	84.2	80-120	0.119	20	
Ethylbenzene	0.0948	0.00200	"	0.111	ND	85.4	80-120	0.823	20	
Xylene (p/m)	0.177	0.00200	"	0.223	ND	79.4	80-120	1.13	20	M8
Xylene (o)	0.0903	0.00200	"	0.111	ND	81.4	80-120	0.734	20	
Surrogate: a,a,a-Trifluorotoluene	37.9		ug/kg	50.0		75.8	75-125			
Surrogate: 4-Bromofluorobenzene	38.4		"	50.0		76.8	75-125			

Environmental Plus, Incorporated Project: Chevron/ Brunson Argo TB #1 Fax: 505-394-2601

P.O. Box 1558 Project Number: 200129

Eunice NM, 88231 Project Manager: David P. Duncan

## General Chemistry Parameters by EPA / Standard Methods - Quality Control Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
		Liiiit	Omts	Level	Result	70KLC	Limits	КГБ	Dillit	110103
Batch ED73004 - General Preparation (P	rep)									
Blank (ED73004-BLK1)				Prepared &	Analyzed:	: 04/27/07				
% Solids	100		%							
Duplicate (ED73004-DUP1)	Sour	ce: 7D26005	-01	Prepared &	Analyzed:	: 04/27/07				
% Solids	97.4		%		97.0			0.412	20	
Duplicate (ED73004-DUP2)	Sour	ce: 7D27002	-16	Prepared &	Analyzed:	: 04/27/07				
% Solids	97.1		%		97.3			0.206	20	
Batch EE70706 - General Preparation (W	VetChem)									
Blank (EE70706-BLK1)				Prepared &	: Analyzed:	: 05/07/07				
Sulfate	ND	0.500	mg/kg							
Chloride	ND	0.500	"							
LCS (EE70706-BS1)				Prepared &	: Analyzed:	: 05/07/07				
Sulfate	10.6	0.500	mg/kg	10.0		106	80-120			
Chloride	9.95	0.500	"	10.0		99.5	80-120			
Calibration Check (EE70706-CCV1)				Prepared &	Analyzed:	: 05/07/07				
Sulfate	11.1		mg/kg	10.0		111	80-120			
Chloride	9.02		"	10.0		90.2	80-120			
Duplicate (EE70706-DUP1)	Sour	ce: 7D27002	-01	Prepared &	: Analyzed:	: 05/07/07				
Sulfate	15.8	10.0	mg/kg		16.0			1.26	20	
Chloride	6.77	10.0	"		6.90			1.90	20	
Matrix Spike (EE70706-MS1)	Source: 7D27002-01 Prepared & A				Analyzed:	: 05/07/07				
Sulfate	211	10.0	mg/kg	200	16.0	97.5	80-120			
Chloride	216	10.0	"	200	6.90	105	80-120			

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Fax: 505-394-2601 Environmental Plus, Incorporated Project: Chevron/ Brunson Argo TB #1

P.O. Box 1558 Project Number: 200129 Eunice NM, 88231

Project Manager: David P. Duncan

1260

10.0

200

879

190

80-120

## General Chemistry Parameters by EPA / Standard Methods - Quality Control **Environmental Lab of Texas**

Analysis	D agult	Reporting	Linita	Spike	Source	0/DEC	%REC	DDD	RPD	Notes
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch EE70706 - General Preparation (V	WetChem)									
Matrix Spike (EE70706-MS2)	Sou	rce: 7D27002	-11	Prepared &	Analyzed:	05/07/07				
Sulfate	131	10.0	mg/kg	200	21.4	54.8	80-120			QM-1
Chloride	746	10.0	"	200	150	298	80-120			QM-1
Batch EE70708 - General Preparation (V	WetChem)									
Blank (EE70708-BLK1)				Prepared &	Analyzed:	05/07/07				
Sulfate	ND	0.500	mg/kg							
Chloride	ND	0.500	"							
LCS (EE70708-BS1)				Prepared &	Analyzed:	05/07/07				
Sulfate	10.1	0.500	mg/kg	10.0		101	80-120			
Chloride	10.1	0.500	"	10.0		101	80-120			
Calibration Check (EE70708-CCV1)				Prepared &	Analyzed:	05/07/07				
Chloride	9.20		mg/kg	10.0		92.0	80-120			
Sulfate	11.0		"	10.0		110	80-120			
<b>Duplicate (EE70708-DUP1)</b>	Sou	rce: 7D27002	-21	Prepared &	Analyzed:	05/07/07				
Chloride	13.6	10.0	mg/kg		12.7			6.84	20	
Sulfate	864	10.0	"		879			1.72	20	
Duplicate (EE70708-DUP2)	Sou	rce: 7D30017-	-05	Prepared &	Analyzed:	05/07/07				
Chloride	5.03	5.00	mg/kg		5.06			0.595	20	
Sulfate	41.2	5.00	"		41.4			0.484	20	
Matrix Spike (EE70708-MS1)	Sou	rce: 7D27002	-21	Prepared &	05/07/07					
Chloride	222	10.0	mg/kg	200	12.7	105	80-120			

Sulfate

QM-10

Fax: 505-394-2601 Environmental Plus, Incorporated Project: Chevron/ Brunson Argo TB #1

P.O. Box 1558 Project Number: 200129 Project Manager: David P. Duncan Eunice NM, 88231

## General Chemistry Parameters by EPA / Standard Methods - Quality Control

## **Environmental Lab of Texas**

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

## Batch EE70708 - General Preparation (WetChem)

Matrix Spike (EE70708-MS2)	Sour	ce: 7D30017-	05	Prepared &	Analyzed:	05/07/07	
Chloride	101	5.00	mg/kg	100	5.06	95.9	80-120
Sulfate	138	5.00	"	100	41.4	96.6	80-120

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Environmental Plus, Incorporated Project: Chevron/ Brunson Argo TB #1 Fax: 505-394-2601

P.O. Box 1558 Project Number: 200129

Eunice NM, 88231 Project Manager: David P. Duncan

## **Notes and Definitions**

S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or

matrix interference's.

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

QM-10 LCS/LCSD were analyzed in place of MS/MSD.

M8 The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).

J Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:

Bun Buron

Date:

5/9/2007

Brent Barron, Laboratory Director/Corp. Technical Director Celey D. Keene, Org. Tech Director Raland K. Tuttle, Laboratory Consultant

James Mathis, QA/QC Officer Jeanne Mc Murrey, Inorg. Tech Director

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Environmental Plus, Incorporated Project: Chevron/ Brunson Argo TB #1 Fax: 505-394-2601

P.O. Box 1558 Project Number: 200129
Eunice NM, 88231 Project Manager: David P. Duncan

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-563-1800.

Environmental Lab of Texas

A Xenco Laboratories Company

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 28 of 28

Page 1 of 3

Chain of Custody Form

LAB: ELT

Environmental Plus, Inc.

LAB: ELT	TOTILIZED DESCRIPTION	ANALYSIS REGUES!											(so <sub>4</sub> =	O15M	ВТЕХ ВТЕХ ВТЕХ ВТЕХ ВТЕХ ВТЕХ ВТЕХ ВТЕХ	× × ×	× × ×	× × ×	× × ×	-	×	×	×	×		uplus.net					
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	Eunice, NM 88231 FAX: (505) 394-2601	Envi			Eun			Brui	UL-I					SAMI		(10)	CD 4 (E1)	2 20-1 (3)	SB-1 (10)	SB-1 (13)	SB-1 (20)	SB-2 (2)	SB-2 (5)	9 SB-2(15')					300m		
	2100 Avenue O, Eunice, NM 88231 (505) 394-3481 FAX: (505) 394-26	υ	EPI Project Manager	Mailing Address	City, State, Zip	EPI Phone#/Fax#	Client Company	Facility Name	Location	Project Reference	EPI Sampler Name	9×10/2	2000	LAB I.D.	MOSTAN				00/	7	2	) F		700	10		Sample, Relinquished:	Relinquished by:	) warm [	Delivered by:	

Chain of Custody Form

Environmental Plus, Inc.

2100 Avenue O, Eunice, NM 88231 P.O. Box 1 (505) 394-3481 FAX: (505) 394-2601

P.O. Box 1558, Eunice, NM 88231

ANALYSIS BEOLIEST	AIVAL 1919 HEAGEG					TH 8015M CHLORIDES (CI) SULFATES (SO <sub>4</sub> <sup>-</sup> ) HO TCLP TCLP							12:30 X X X X	×	12:50 X X X X X	13:25 X X X X X	14:00 X X X X	14:31 X X X X	14:45 X X X X	15:55 X X X X	16:00 X X X X X	16:20 X X X X X 1		n@envplus.net			
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FAX: (505) 394-2601	Environmental Plus, Inc.	lain Olness	P.O. BOX 1558	Eunice New Mexico 88231	505-394-3481 / 505-394-2601	Chevron USA	Brunson Argo TB #1	UL-D, Sec. 10, T 22 S,	200129	George Blackburn		SAMPLE I.D.				(0)	(0)	(2)	(6)			(,0)	(0)	4/27/2007	Time 07 0 0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
(505) 394-3481 FAX: (5	Company Name	EPI Project Manager	Mailing Address	City, State, Zip	EPI Phone#/Fax#	Client Company	Facility Name	Location	Project Reference	EPI Sampler Name		LABI.D.7		(1) 1 SB-3 (2)	V	(01) SSB-3 (10)	(c1) 5-dc 4 6 4 7	4	(2) SB-3 (2)	(C) A-RS (A) (A) (A) (A) (A) (A) (A) (A) (A) (A)	7 0 SB-4 (5')	(2): C2 (2): C2 (10):	7 / 10 20-4 (	Sampler Relinquished:	Grow Works	Relinquisheg by:	

Chain of Custody Form

LAB: ELT

Environmental Plus, Inc.

(505) 394-3481 FAX: (505) 394-2601

2100 Avenue O, Eunice, NM 88231

P.O. Box 1558, Eunice, NM 88231

ANALYSIS REQUEST **HA**9 <<< REPLO TCLP Hd SULFATES (SO<sub>4</sub><sup>=</sup>) CHLORIDES (CI') M2108 H9T E-mail results to: dduncan@envplus.net BTEX 8021B 18:30 14:40 17:00 15:10 TIME 8:20 8:55 9:02 9:45 SAMPLING 25-Apr-06 25-Apr-07 25-Apr-07 26-Apr-07 26-Apr-07 26-Apr-07 26-Apr-07 25-Apr-07 Attn: David P. Duncan DATE Eunice, NM 88231 PO Box 1558 Bill To REMARKS: PRESERV. OTHER × × ICE/COOF ACID/BASE OTHER: Checked By STUDGE MATRIX CBNDE OIF Room × × × × ×  $\times$ TIOS **HELLAN STERM** яэтам дилояр Sample Cool & Intact ш Received By 505-394-3481 / 505-394-2601 UL-D, Sec. 10, T 22 S, R 37 # CONTAINERS Eunice New Mexico 88231 Environmental Plus, Inc. × (G) RAB OR (C)OMP. × × ×  $\times$ × Brunson Argo TB #1 4/27/2007 ime 0700 George Blackburn 16/2m Or P.O. BOX 1558 Chevron USA lain Olness SAMPLE I.D. 200129 4 SB-5 (10') 4.5 SB-5 (15') 8 SB-6 (10') 100× SB-4 (15) SB-5 (2') SB-5 (5') SB-6 (2') ) SB-6 (5') EPI Project Manager **EPI Sampler Name** Project Reference **EPI Phone#/Fax#** Company Name Mailing Address Client Company City, State, Zip Facility Name LAB I.D. \_ocation

## Environmental Lab of Texas

ort- Sample	Log-In		
Checklist			
			lient Initials
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		Not Present	
Yes	No		
₹ <del>es</del>	No		
<del>Yes</del>	No		
Yes	No	ID written on Cont./ Lid	
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	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes	Yes No Yes No	Checklist  Yes No O O O O O O O O O O O O O O O O O O

Page 156 of 236



ANALYTICAL RESULTS FOR ENVIRONMENTAL PLUS, INC. ATTN: DAVID P. DUNCAN

P.O. BOX 1558 **EUNICE, NM 88231** FAX TO: (575) 394-2601

Receiving Date: 01/03/08 Reporting Date: 01/04/08

Project Owner: CHEVRON USA (200129) Project Name: BRUNSON ARGO TB #1

Project Location: UL-D, SECT. 10, T 22 S, R 37 E

Analysis Date: 01/04/08 Sampling Date: 01/03/08

Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: AB

Analyzed By: AB

		Cl <sup>-</sup>
LAB NUMBER	SAMPLE ID	(mg/kg)
H14014-1	SSW-1 (1.5')	< 16
H14014-2	SSW-3 (1.5')	< 16
H14014-3	BH-1 (3')	< 40
H14014-4	BH-3 (3')	< 16
H14014-5	BH-5 (3')	< 16
H14014-6	BH-7 (3')	< 16
H14014-7	WSW-1 (1.5')	< 16
H14014-8	WSW-3 (1.5')	< 16
H14014-9	ESW-1 (1.5')	< 16
H14014-10	ESW-2 (1.5')	< 16
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percen	t Difference	< 0.1

METHOD: Standard Methods 4500-CIB

Note: Analyses performed on 1:4 w:v aqueous extracts.

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# Chain of Custody Form

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o Iı														3	¥]€ J	(lab staff)	- 11	Received By:	源	Date Date	Hinguished by:
magi						ğ	rsnid	can@envį	esults to: dduncan@envplus.net	E-mail res	Ψ			B		2	, BY	Received By:	R <sub>0</sub>	01/03/08	mpler Relinquished:
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21			lacksquare		×		T	8:52	03-Jan-08		×	<del> </del>	$\vdash$		X			1	G	8 WSW-3 (1.5')	<i>1</i> 2 ∞ 8 WS
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32:	H	H			×			8:30	03-Jan-08	Ė	X	Н	Н		X			1	G	BH-7 (3')	.06 - 6BH-
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								ING	SAMPLING	ERV.	PRESERV.	F		RIX	MATRIX						
									Eunice, NM 88231-1949	NM 8	ce,	监	_							David Robinson	<b>EPI Sampler Name</b>
									(1949	P.O. Box 1	P.O.									200129	Project Reference
							_		nderson	Attn: Bill And	n: E	₽					E	R 37	S, F	UL-D, Sect. 10, T 22	Location
									V	Å										Brunson Argo TB #1	Facility Name
										7										Chevron USA	Client Company
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																		31	882	Eunice New Mexico 88231	City, State, Zip
									Ē											P.O. BOX 1558	Mailing Address
											7									David P. Duncan	<b>EPI Project Manager</b>
ST	QUE	ANALYSIS REQUEST	YSIS	Á	A		September 1		o	BIII To			ara;		qual-	,,,,,,		''	Inc.	Environmental Plus,	Company Name
					7															FAX: (575) 394-2601	375) 394-3481 FAX
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Page 1 of 1	TI																				236



ANALYTICAL RESULTS FOR ENVIRONMENTAL PLUS, INC. ATTN: DAVID P. DUNCAN

P.O. BOX 1558 EUNICE, NM 88231 FAX TO: (505) 394-2601

Receiving Date: 01/03/08 Reporting Date: 01/04/08

Project Owner: CHEVRON USA (200129) Project Name: BRUNSON ARGO TB #1

Project Location: UL-D, SECT. 10, T 22 S, R 37 E

Sampling Date: 01/03/08

Sample Type: SOIL

Sample Condition: COOL & INTACT

Page 158 of 236

Sample Received By: AB

Analyzed By: BC

		GRO	DRO
		$(C_6-C_{10})$	(>C <sub>10</sub> -C <sub>28</sub> )
LAB NUMBER	SAMPLE ID	(mg/Kg)	(mg/Kg)

ANALYSIS DATE:	01/03/08	01/03/08
	<10.0	<10.0
H14014-1 SSW-1 (1.5') H14014-3 BH-1 (3')	<10.0	<10.0
H14014-5 BH-5 (3')	<10.0	10.9
H14014-7 WSW-1 (1.5')	<10.0	<10.0
H14014-9 ESW-1 (1.5')	<10.0	<10.0
111-10110		
Quality Control	828	818
True Value QC	800	800
% Recovery	103	102
Relative Percent Difference	4.1	0.2

METHOD: SW-846 8015 M

Page 159 of 236



**ANALYTICAL RESULTS FOR ENVIRONMENTAL PLUS, INC.** 

ATTN: DAVID P. DUNCAN P.O. BOX 1558

**EUNICE, NM 88231** FAX TO: (575) 394-2601

Receiving Date: 01/03/08

Reporting Date: 01/04/08 Project Owner: CHEVRON USA (200129)

Project Name: BRUNSON ARGO TB #1

Project Location: UL-D, SECT. 10, T 22 S, R 37 E

Analysis Date: 01/04/08 Sampling Date: 01/03/08 Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: AB

Analyzed By: AB

		CI
LAB NUMBER	SAMPLE ID	(mg/kg)
H14014-1	SSW-1 (1.5')	< 16
H14014-2	SSW-3 (1.5')	< 16
H14014-3	BH-1 (3')	< 40
H14014-4	BH-3 (3')	< 16
H14014-5	BH-5 (3')	< 16
H14014-6	BH-7 (3')	< 16
H14014-7	WSW-1 (1.5')	< 16
H14014-8	WSW-3 (1.5')	< 16
H14014-9	ESW-1 (1.5')	< 16
H14014-10	ESW-2 (1.5')	< 16
Quality Control		500
True Value QC		500
% Recovery	A COMPANY OF THE COMP	100
Relative Percent	Difference	< 0.1

METHOD: Standard Methods	4500-CIB

Note: Analyses performed on 1:4 w:v aqueous extracts.

236 Invironmental Plus, Inc. 2100 Avenue O, Eunice, NM 88231 8875) 394-3481 FAX: (575) 394-2601

P.O. Box 1558, Eunice, NM 88231

Chain of Custody Form

LAB:

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sed	at	ıncan	P. D	Javid	its to I	resul	mail	Ш	QUEST	ORDER REQUESTED - E-mail results to David P. Duncan at	NOTE: RUSH	OTE:	} Z		/	4	1	J	'	V		01/03/08	Josh	ed Moreck (
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ıgı						~	s.ne	nlavue	າcan@e	lts to: dduncan@envplus.net	E-mail resu	-mai	ш			<b>.</b>	)	i.	By:	Received By:	Recu	01/03/08		Dilipier Helinquisned:
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										)49	P.O. Box 1949	). В	P.C										e 200129	Project Reference
										Attn: Bill Anderson	And	B	it :	Þ					E	R 37	Ş,	ect. 10, T 22	UL-D, Sect. 10,	Location
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		***															4		=	260	<del>9</del> 4.	-3481 / 575-394-2601	<b>575-394-3481</b>	EPI Phone#/Fax#
																				23	88	Eunice New Mexico 88231	Eunice I	City, State, Zip
										Ī	heyro	20	Ω									X 1558	P.O. BOX 1558	Mailing Address
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ANALYTICAL RESULTS FOR ENVIRONMENTAL PLUS, INC. ATTN: DAVID P. DUNCAN

P.O. BOX 1558 EUNICE, NM 88231 FAX TO: (575) 394-2601

Receiving Date: 01/04/08 Reporting Date: 01/07/08

Project Owner: CHEVRON USA (200129) Project Name: BRUNSON ARGO TB #1

Project Location: UL-D, SECT. 10, T 22 S, R 37 E

Sampling Date: 01/04/08

Sample Type: SOIL

Sample Condition: COOL & INTACT

Page 161 of 236

Sample Received By: ML Analyzed By: CK/BC

		GRO	DRO
		$(C_{6}-C_{10})$	(>C <sub>10</sub> -C <sub>28</sub> )
LAB NUMBER	SAMPLE ID	(mg/Kg)	(mg/Kg)

ANALYSIS D	ATE:	01/04/08	01/04/08
H14020-1	BH-9 (3')	<10.0	148
H14020-5	ESW-3 (1.5')	<10.0	<10.0
H14020-7	WSW-4 (1.5')	<10.0	<10.0
Quality Contr		212	206
True Value C		200	200
% Recovery		106	103
Relative Perc	cent Difference	11.8	0.9

METHOD: SW-846 8015 M



ANALYTICAL RESULTS FOR ENVIRONMENTAL PLUS, INC. ATTN: DAVID P. DUNCAN

P.O. BOX 1558 EUNICE, NM 88231 FAX TO: (575) 394-2601

Receiving Date: 01/04/08 Reporting Date: 01/04/08

Project Owner: CHEVRON USA (200129) Project Name: BRUNSON ARGO TB #1

Project Location: UL-D, SECT. 10, T 22 S, R 37 E

Analysis Date: 01/04/08 Sampling Date: 01/04/08

Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: ML

Analyzed By: HM

		Cl_
LAB NUMBER	SAMPLE ID	(mg/kg)
H14020-1	BH-9 (3')	240
H14020-2	BH-10 (3')	80
H14020-3	BH-12 (3')	< 16
H14020-4	BH-15 (4')	48
H14020-5	ESW-3 (1.5')	< 16
H14020-6	ESW-4 (2')	< 16
H14020-7	WSW-4 (1.5')	< 16
H14020-8	WSW-5 (2')	< 16
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percer	nt Difference	< 0.1

METHOD: Standard Methods 4500-Cl'B

Note: Analyses performed on 1:4 w:v aqueous extracts.

Chemist

Date

of 236

Invironmental Plus, Inc.

Page 00 Avenue O, Eunice, NM 88231

Page 200 200 Early (ETE) 200 2001

P.O. Box 1558, Eunice, NM 88231

Chain of Custody Form

Page 1 of 1

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- E-mail results to David	alts to	l rest	Ξ-mai	y! - F	es on	ıalyse	ide Ar	hlori	for C	QUESTED	NOTE: RUSH ORDER REQUESTED for Chloride Analyses only! -	TE: A	NO					sta <sup>ff</sup> )	Received By: (lab staff	d By:	ceive		Date // , ⊘ ⊃ 01/04/08	8	elinquished by:
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ng:							_	i.net	plus	can@env	E-mail results to: dduncan@envplus.net	ailr	蓝	<b>\</b>		$\searrow$	_	<b>\</b>	7	i By:	Received By:	Rec	01/04/08		ampler Relinguished:
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											31  -	Eunice, NM 882	ľΖ	Sign				Γ					David Robinson	ne	EPI Sampler Name
								-			P.O. Box 1949	30X	0. E	٠.									200129	è	Project Reference
											derson	Attn: Bill And	₽	Ħ.	7-					m	R 37	S, F	UL-D, Sect. 10, T 22		Location
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																							Chevron USA		Client Company
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																					13	882	<b>Eunice New Mexico 88231</b>		City, State, Zip
											<u>.</u>	<b>S</b>	i	•									P.O. BOX 1558		Mailing Address
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	i		2	2	ANALYSIS RECLIEST							i											FAX: (575) 394-2601	-AX: (575,	575) 394-3481 F

Page 164 of 236



ANALYTICAL RESULTS FOR ENVIRONMENTAL PLUS, INC.

ATTN: DAVID P. DUNCAN P.O. BOX 1558 EUNICE, NM 88231 FAX TO: (575) 394-2601

Receiving Date: 01/10/08 Reporting Date: 01/11/08

Project Owner: CHEVRON USA (200129)
Project Name: BRUNSON ARGO TB #1

Project Location: UL-D, SECT. 10, T 22 S, R 37 E

Analysis Date: 01/10/08 Sampling Date: 01/10/08 Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: ML

Analyzed By: HM

		Cl
LAB NUMBER	SAMPLE ID	(mg/kg)
H14056-1	ESW-5 (2')	< 16
H14056-2	ESW-6 (4')	< 16
H14056-3	ESW-7 (1')	16
H14056-4	ESW-8 (3')	< 16
H14056-5	ESW-9 (1')	< 16
H14056-6	ESW-10 (4')	< 16
H14056-7	WSW-6 (4')	16
H14056-8	WSW-7 (2')	< 16
H14056-9	WSW-8 (3')	16
H14056-10	WSW-9 (1')	48
H14056-11	WSW-10 (3.5')	96
Quality Control	, , , , , , , , , , , , , , , , , , ,	500
True Value QC		500
% Recovery		100
Relative Percer	t Difference	2.0

	4500-CFB
METHOD: Standard Methods	4000-CID
WETTOB: Claridate Modicae	

Note: Analyses performed on 1:4 w:v aqueous extracts.

Kusta Specto

Date



ANALYTICAL RESULTS FOR **ENVIRONMENTAL PLUS, INC.** 

ATTN: DAVID P. DUNCAN P.O. BOX 1558

**EUNICE, NM 88231** FAX TO: (575) 394-2601

Receiving Date: 01/10/08

Reporting Date: 01/11/08

Project Owner: CHEVRON USA (200129) Project Name: BRUNSON ARGO TB #1

Project Location: UL-D, SECT. 10, T 22 S, R 37 E

Sampling Date: 01/10/08

Sample Type: SOIL

Sample Condition: COOL & INTACT

Page 165 of 236

Sample Received By: ML

Analyzed By: BC/CK

		GRO	DRO
		$(C_{6}-C_{10})$	(>C <sub>10</sub> -C <sub>28</sub> )
LAB NUMBER	SAMPLE ID	(mg/Kg)	(mg/Kg)

ANALYSIS DA	TE:	01/10/08	01/10/08
H14056-1	ESW-5 (2')	<10.0	<10.0
H14056-5	ESW-9 (1')	<10.0	<10.0
H14056-9	WSW-8 (3')	<10.0	<10.0
H14056-10	WSW-9 (1')	<10.0	<10.0
H14056-11	WSW-10 (3.5')	<10.0	<10.0
Quality Control		804	843
True Value QC		800	800
% Recovery		101	105
Relative Perce	nt Difference	0.4	3.7

METHOD: SW-846 8015 M

# 15 nvironmental Plus, Inc. 16 nvironmental Plus, Inc. 18 00 West Avenue O, Eunice, NM 88231 18 00 West Avenue O, Eunice, NM 88231 18 00 West Avenue O, Eunice, NM 88231

P.O. Box 1558, Eunice, NM 88231

Chain of Custody Form

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														7 <b>(*</b>									P.O. BOX 1558		Mailing Address	Σ
														<b>\</b>									David P. Duncan	ager	EPI Project Manager	Ш
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167 nvironmental Plus, Inc.
28 00 West Avenue O, Eunice, NM 88231
(29 75) 394-3481 FAX: (575) 394-2601

P.O. Box 1558, Eunice, NM 88231

Chain of Custody Form

LAB:

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Page 2 of 2

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									P.O. Box 1949	Вох	0	7				<u> </u>					200129	Project Reference
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Page 168 of 236



ANALYTICAL RESULTS FOR ENVIRONMENTAL PLUS, INC. ATTN: DAVID P. DUNCAN

P.O. BOX 1558 **EUNICE, NM 88231** 

FAX TO: (575) 394-2601

Receiving Date: 01/14/08 Reporting Date: 01/15/08

Project Owner: CHEVRON USA (200129) Project Name: BRUNSON ARGO TB #1

Project Location: UL-D, SECT. 10, T 22 S, R 37 E

Analysis Date: 01/15/08 Sampling Date: 01/11/08 Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: ML

Analyzed By: KS

		CI_
LAB NUMBER	SAMPLE ID	(mg/kg)
H14070-1	ESW-11 (1')	32
H14070-2	ESW-12 (3')	640
H14070-3	ESW-13 (2')	80
H14070-4	ESW-14 (4')	64
H14070-5	NSW-1 (1')	48
H14070-6	NSW-2 (3')	480
H14070-7	NSW-3 (2')	64
H14070-8	NSW-4 (1')	16
H14070-9	BH1-ES (17')	< 16
H14070-10	BH2-ES (14')	< 16
H14070-11	BH1-WS (10')	16
H14070-12	BH1-NS (7')	32
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percen	t Difference	< 0.1

-	METHOD:	Standard Methods	4500-CIB
1	INE I HOD:	Standard Methods	4500-CIB

Note: Analyses performed on 1:4 w:v aqueous extracts.

Busta Specto



ANALYTICAL RESULTS FOR ENVIRONMENTAL PLUS, INC. ATTN: DAVID P. DUNCAN

P.O. BOX 1558 EUNICE, NM 88231 FAX TO: (575) 394-2601

Receiving Date: 01/14/08 Reporting Date: 01/16/08

Project Owner: CHEVRON USA (200129)

Project Name: BRUNSON ARGO TB#1

Project Location: UL-D, SECT. 10, T 22 S, R 37 E

Sampling Date: 01/11/08

Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: ML

Analyzed By: BC

		GRO	DRO
		$(C_6-C_{10})$	(>C <sub>10</sub> -C <sub>28</sub> )
LAB NUMBER	SAMPLE ID	(mg/Kg)	(mg/Kg)

ANALYSIS DA	ATE:	01/14/08	01/14/08
H14070-2	ESW-12 (3')	<10.0	44.8
H14070-4	ESW-14 (4')	<10.0	<10.0
H14070-5	NSW-1 (1')	<10.0	103
H14070-7	NSW-3 (2')	<10.0	<10.0
H14070-9	BH1-ES (17')	1870	5320
H14070-10	BH2-ES (14')	1810	4410
H14070-11	BH1-WS (10')	<10.0	72.7
H14070-12	BH1-NS (7')	760	7380
Quality Contro	ol	773	773
True Value Q	C	800	800
% Recovery		96.6	96.6
Relative Perce	ent Difference	1.0	0.4

METHOD: SW-846 8015 M

Chemist

1//6/09 Date

# **Environmental Plus, Inc.**

2100 West Avenue O, Eunice, NM 88231

P.O. Box 1558, Eunice, NM 88231

Chain of Custody Form

LAB:

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LE I.D.	_	# CONTAINERS	GROUND WATER	WASTEWATER		CRUDE OIL	SLUDGE	отнев:	ACID/BASE	ICE/COOL	отнев	DATE	TIME	BTEX 8021B	TPH 8015M	CHLORIDES (CI)	SULFATES (SO4")	Hd	TCLP	OTHER >>>	РАН		
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# **Environmental Plus, Inc.**

Chain of Custody Form

2100 West Avenue O, Eunice, NM 88231

Received by OCD: 4/29/2020 12:00:061AM

P.O. Box 1558, Eunice, NM 88231

LAB:

	FAX: (575) 394-2601					210712-044		or other	SURW	210000	200300				\$2500000				7/0		==	1150		00005-000
Company Name	Environmental Plus	Inc									:	Bill T	0			1	A	NAL	YS	SH	EQ	UES	1	$\neg \tau$
EPI Project Mana										-	he	21/1	ron											-
Mailing Address										Bo	111	= V I												
City, State, Zip	Eunice New Mexico												7.33											
EPI Phone#/Fax#		94-	260	1_																				- 1
Client Company	Chevron USA																							
Facility Name	Brunson Argo TB #1											-			1									
Location	UL-D, Sect. 10, T 22	S, F	37	E									nderson											- 1
Project Referenc													1949											- 1
EPI Sampler Nan	ne David Robinson								Eu				8231-1949											
		٠.		L	_	MA	ΓRIX	_	_	PR	ESE	RV.	SAMPLI	NG										
LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	отнев:	ACID/BASE	ICE/COOL	отнев	DATE	TIME	BTEX 8021B	TPH 8015M	CHLORIDES (CI')	SULFATES (SO4")	Hd	TCLP	OTHER >>>	РАН		
the state of the s	BH1-WS (10')	G	1			Х					X		11-Jan-08	15:17		Х	Х							
-12 12	BH1-NS (7')	G	1			Х					Х		11-Jan-08	15:18		Х	Х							
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Page 172 of 236



ANALYTICAL RESULTS FOR ENVIRONMENTAL PLUS, INC. ATTN: DAVID P. DUNCAN

P.O. BOX 1558 EUNICE, NM 88231

FAX TO: (575) 394-2601

Receiving Date: 01/15/08 Reporting Date: 01/17/08

Project Owner: CHEVRON USA (200129) Project Name: BRUNSON ARGO TB#1

Project Location: UL-D, SECT. 10, T 22 S, R 37 E

Sampling Date: 01/15/08 Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: ML Analyzed By: BC/KS

	GRO	DRO	
	$(C_6-C_{10})$	(>C <sub>10</sub> -C <sub>28</sub> )	CI*
LAB NUMBER SAMPLE ID	(mg/Kg)	(mg/Kg)	(mg/Kg)

ANALYSIS DATE	01/16/08	01/16/08	01/16/08
H14093-1 SP-11 (6')	<10.0	17.3	32
H14093-2 SP-12 (6')	<10.0	<10.0	112
H14093-3 SP-13B (6')	<10.0	<10.0	224
H14093-4 BH-21B (7')	<10.0	<10.0	512
H14093-5 BH-23B (7')	<10.0	<10.0	320
Quality Control	790	811	500
True Value QC	800	800	500
% Recovery	98.8	101	100
Relative Percent Difference	1.1	2.3	<0.1

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; CIT Std. Methods 4500-CITB \*Analyses performed on 1:4 w:v aqueous extracts.

1/11/08

H14093 EPI

## **Environmental Plus, Inc.**

Chain of Custody Form

2100 West Avenue O, Eunice, NM 88231 (575) 394-3481 FAX: (575) 394-2601

P.O. Box 1558, Eunice, NM 88231

LAB:

Company Name	FAX: (575) 394-2601 Environme	ental Plus.	Inc									В	Bill T	o				A	NAL	YS	IS F	EQ	UES	ST.	
EPI Project Mana			,	_							Selective (C						- Special Section								T
Mailing Address											C	he	evi	ron											
City, State, Zip	Eunice Ne	w Mexico	882	31								- Charles	lone di												
EPI Phone#/Fax#	575-394-34	481 / 575-3	394-	260	1																				
Client Company	Chevron US	SA																							
Facility Name	Brunson A	Argo TB #1										1000	-												
Location	UL-D, Sect	t. 10, T 22	S, F	37	Έ					1	Attn	: Bi	II A	nderson											- 1
Project Reference	ce 200129										P	.0.	Вох	1949											
EPI Sampler Nar	ne David Rob	oinson								Eu	nic	e, N	M 8	8231-1949											
							MAT	RIX			PR	ESE	RV.	SAMPLI	NG										
LAB I.D.	SAMPLE I.C	D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	отнев:	ACID/BASE	ICE/COOL	отнев	DATE	TIME	BTEX 8021B	TPH 8015M	CHLORIDES (CI')	SULFATES (SO4")	Hd	TCLP	OTHER >>>	РАН		
H14093-1 1	SP-11 (6')		G	1			Х					X		15-Jan-08	12:30		Х	Х							
-2 2	SP-12 (6')		G	1			Х					Х		15-Jan-08	13:30		Х	Х						$\Box$	
	SP-13B (6')		G	1			Х					Х		15-Jan-08	14:00		Х							$\Box$	$\perp$
	BH-21B (7')		G	1			Х					Х		15-Jan-08	12:31		Х						Ш	$\Box$	$\perp$
-5 5	BH-23B (7')		G	1	L		Х					Х		15-Jan-08	13:32	L	Х	Х					Ш	Ш	$\dashv$
6																L								$\sqcup$	$\dashv$
7			_	L												L								$\Box$	$\dashv$
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Sampler Relinquished: Relinquished by:  July Vintho Delivered by:	Quin-	01/16/08 Time H 45 01/1 <b>9</b> 08 3:50p	Rece	4	1/n By/(1	ab sta	(iff)	A) B) Chi		∠ By:		E-m	nail r	esults to: ddun	can@envp	olus.	net								
		Sample Yes			act \	_		40	SI	3															



ANALYTICAL RESULTS FOR ENVIRONMENTAL PLUS, INC. ATTN: DAVID P. DUNCAN

P.O. BOX 1558 EUNICE, NM 88231 FAX TO: (575) 394-2601

Receiving Date: 01/15/08 Reporting Date: 01/16/08

Quality Control

True Value QC

Relative Percent Difference

% Recovery

Project Owner: CHEVRON USA (200129)
Project Name: BRUNSON ARGO TB#1

Project Location: UL-D, SECT. 10, T 22 S, R 37 E

Sampling Date: 01/15/08

Sample Type: SOIL

DRO

(>C10-C28)

773

800

96.6

0.4

Sample Condition: COOL & INTACT

CI\*

500

500

100

< 0.1

Sample Received By: ML Analyzed By: BC/HM

LAB NUMBER SAMPLE ID	(mg/Kg)	(mg/Kg)	(mg/Kg)
ANALYSIS DATE	01/16/08	01/16/08	01/16/08
H14089-1 BH-21 (5')	<10.0	<10.0	464
H14089-2 BH-22 (5')	<10.0	<10.0	<16
H14089-3 BH-23 (5')	<10.0	<10.0	1630
H14089-4 BH-24 (5')	<10.0	<10.0	32
H14089-5 BH-25 (5')	<10.0	<10.0	96
H14089-6 BH-26 (5')	<10.0	<10.0	112

GRO

(Ce-C10)

773

800

96.6

1.0

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; CI: Std. Methods 4500-CIB \*Analyses performed on 1:4 w:v aqueous extracts.

Chemist /

Date

H14089 EPI

# **Environmental Plus, Inc.**

2100 West Avenue O, Eunice, NM 88231

(575) 394-3481 FAX: (575) 394-2601

P.O. Box 1558, Eunice, NM 88231

Chain of Custody Form

LAB:

Company Name	Environme	ental Plus,	Inc									В	ill T	ō				A	NAL	YS	IS R	EQ	UES	T	
EPI Project Mana	ager David P. D	Duncan																						П	Т
Mailing Address	P.O. BOX	1558									C	he	eVI	ron											
City, State, Zip	Eunice Ne	w Mexico	882	31								1	No. of Street											- 1	- 1
EPI Phone#/Fax	<sup>#</sup> 575-394-3	481 / 575-3	94-	260	1						Die Control													- 1	- 1
Client Company	Chevron U	SA										No.												- 1	
Facility Name	Brunson /	Argo TB #1																						- 1	
Location	UL-D, Sec	t. 10, T 22	S, F	37	E					-	Attn	: Bi	II A	nderson											
Project Reference	e 200129										Р	.0.	Вох	1949											
EPI Sampler Nar	ne David Rob	binson								Eu	nic	e, N	M 8	8231-1949										- 1	- 1
			Γ.				MA	RIX			PR	ESE	RV.	SAMPLI	NG	1									
LAB I.D.	SAMPLE I.I	D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUND WATER	WASTEWATER	TIOS	CRUDE OIL	SLUDGE	отнея:	ACID/BASE	ICE/COOL	отнев	DATE	TIME	BTEX 8021B	TPH 8015M	CHLORIDES (CI')	SULFATES (SO4")	Hd	TCLP	OTHER >>>	РАН		
H14089-1 1	BH-21 (5')		G	1			Х					Х		15-Jan-08	7:30		Х	Х							
-2 2	BH-22 (5')		G	1			Χ					Χ		15-Jan-08	7:31		Х	Х							
-3 3	BH-23 (5')		G	1			Х					Х		15-Jan-08	7:32		Х	Х							
-4 4	BH-24 (5')		G	1			Χ					Χ		15-Jan-08	7:33		Х	Х							
-5 5	BH-25 (5')		G	1			Х					Χ		15-Jan-08	7:34	Г	Х	Х							
-6 6	BH-26 (5')		G	1			Х					Х		15-Jan-08	7:35	Г	Х	Х							
7																Г									
8																Г	Г								
9																									
10																Г	Г								
			Red Red																						
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	g: 9/24/2021 11:32:21 A	Sample	500	& Int	act C lo			Che M	Cked		3														



ANALYTICAL RESULTS FOR ENVIRONMENTAL PLUS, INC.

ATTN: DAVID P. DUNCAN P.O. BOX 1558

EUNICE, NM 88231 FAX TO: (575) 394-2601

Receiving Date: 01/17/08 Reporting Date: 01/17/08

Project Owner: CHEVRON USA (200129)
Project Name: BRUNSON ARGO TB #1

Project Location: UL-D, SECT. 10, T 22 S, R 37 E

Analysis Date: 01/17/08 Sampling Date: 01/16/08 Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: AB

Analyzed By: KS

	CI
LAB NUMBER SAMPLE ID	(mg/kg)
H14101-1 ESW-12B (3')	288
H14101-2 NSW-2B (3')	32
Quality Control	500
True Value QC	500
% Recovery	100
Relative Percent Difference	< 0.1

METHOD: Standard Methods 4500-CIB

Note: Analyses performed on 1:4 w:v aqueous extracts.

Chemist Suproles

Date

H14101 EPI

## **Environmental Plus, Inc.**

Chain of Custody Form

2100 West Avenue O, Eunice, NM 88231

Received by OCD: 4/29/2020 12:00:061AM

P.O. Box 1558, Eunice, NM 88231

LAB:

Company Name	Environmental Plus	, Inc	·.								E	Bill T	ō				Α	NAL	YS	IS F	REQ	UES	Т	
EPI Project Mana																Г	Г			Г	П		П	T
Mailing Address	P.O. BOX 1558									C	h	evi	ron											- 1
City, State, Zip	Eunice New Mexico	882	31																					
EPI Phone#/Fax#	575-394-3481 / 575-	394-	260	1						10														
Client Company	Chevron USA																							
Facility Name	Brunson Argo TB #	1									- Telli													
.ocation	UL-D, Sect. 10, T 22	S, I	₹ 37	Έ						Attn	: Bi	II A	nderson											- 1
Project Referenc	e 200129									Р	.0.	Вох	1949											
EPI Sampler Nan	ne David Robinson								Eu	nic	e, N	M 8	8231-1949											
		T.				MA	ΓRIX			PR	ESE	RV.	SAMPLI	NG										
LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	отнея:	ACID/BASE	ICE/COOL	отнев	DATE	TIME	BTEX 8021B	TPH 8015M	CHLORIDES (CI)	SULFATES (SO <sub>4</sub> ")	Hd	TCLP	OTHER >>>	РАН		
H14101 -1	ESW-12B (3')	G	1			Х					Х		16-Jan-08	14:45			Х							
	NSW-2B (3')	G	1			Х					Х		16-Jan-08	14:46			Х							
3																								
4																								
5																								
6																								
7																L	L		L	L				_
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Sampler Relinquished:	01/17/08	Rec	eived	By:	_			,			E-m	nail r	esults to: ddun	can@envp	lus.	net								
Relinquished by:	Time	11	alle	7/2	ab oto	100	17	_																
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zenvered by.	Samp	le Coo		act Vo		1 -	L	/2	by.															



ANALYTICAL RESULTS FOR ENVIRONMENTAL PLUS, INC. ATTN: DAVID P. DUNCAN

P.O. BOX 1558 EUNICE, NM 88231 FAX TO: (575) 394-2601

Receiving Date: 01/18/08 Reporting Date: 01/21/08

Project Number: CHEVRON USA (200129)
Project Name: BRUNSON ARGO TB #1

LAB NUMBER SAMPLE ID

Project Location: UL-D, SECT. 10, T 22 S, R 37 E

Sampling Date: 01/17/08 Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: ML

Analyzed By: CK

GRO

DRO

 $(C_6-C_{12})$ 

 $(>C_{12}-C_{28})$ 

(mg/kg)

(mg/kg)

ANALYSIS DATE	01/18/08	01/18/08
H14109-1 BH-M (20')	1490	3570
		-
Quality Control	554	527
True Value QC	500	500
% Recovery	111	105
Relative Percent Difference	0.5	12.8

METHODS: TPH GRO & DRO: EPA SW-846 8015 M

Chemist

Date

H14109T EPI

# **Environmental Plus, Inc.**

2100 West Avenue O, Eunice, NM 88231

P.O. Box 1558, Eunice, NM 88231

Chain of Custody Form

LAB:

Company Name	Environmental Plus	, Inc	c.								E	Bill 7	Го				Α	NAI	LYS	IS F	REQ	UES	T	
EPI Project Manag												1001001000				П			Г	П			П	$\Box$
Mailing Address	P.O. BOX 1558										h	ev	ron		ı				ı					
City, State, Zip	Eunice New Mexico	882	231								100	Ross .											- 1	
EPI Phone#/Fax#	575-394-3481 / 575-3	394-	260	1						- 10					ı				ı					
Client Company	Chevron USA									9										ı				
Facility Name	Brunson Argo TB #	1																	ı				١	
Location	UL-D, Sect. 10, T 22	S, I	R 37	Έ						Attn	: Bi	II A	nderson			ı		ı	ı					
Project Reference	200129												( 1949											
EPI Sampler Name									Eu	ınic	e, N	IM 8	8231-1949			ı				ı			- 1	
		Ι.	П	Г		MA	rrix				ESE	-	SAMPLI	NG	1									
LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	отнев:	ACID/BASE	ICE/COOL	отнев	DATE	TIME	BTEX 8021B	TPH 8015M	CHLORIDES (CI')	SULFATES (SO₄⁼)	Hd	TCLP	OTHER >>>	РАН		
H14109- 1B	H-M (20')	G	1			Х					Х		17-Jan-08	14:40		Х								$\Box$
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	9/24/2021 11:32:21 AM			act lo		,	Й	A	B															



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR ENVIRONMENTAL PLUS, INC. ATTN: DAVID P. DUNCAN P.O. BOX 1558

EUNICE, NM 88231 FAX TO: (575) 394-2601

Receiving Date: 01/22/08 Reporting Date: 01/23/08

Project Owner: CHEVRON USA (200129) Project Name: BRUNSON ARGO TB #1

Project Location: UL-D, SECT. 10, T 22 S, R 37 E

Sampling Date: 01/21/08 Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: NF

Analyzed By: BC

		GRO	DRO
		$(C_6-C_{10})$	(>C <sub>10</sub> -C <sub>28</sub> )
LAB NUMBER	SAMPLE ID	(mg/Kg)	(mg/Kg)

ANALYSIS DA	ATE:	01/22/08	01/22/08
H14128-1	MENSW-1 (12')	<10.0	34.0
H14128-2	MENSW-2 (17')	<10.0	15.4
H14128-3	MEWSW-1 (10')	<10.0	<10.0
H14128-4	MEWSW-2 (11')	<10.0	<10.0
H14128-5	MEWSW-3 (17')	<10.0	848
H14128-6	MESSW-1 (16')	<10.0	<10.0
H14128-7	MESSW-2 (11')	<10.0	<10.0
H14128-8	MEESW-1 (15')	<10.0	<10.0
H14128-9	MEESW-2 (18')	<10.0	401
H14128-10	MEESW-3 (10')	<10.0	211
Quality Contro	ol	842	745
True Value Qo	3	800	800
% Recovery		105	93.1
Relative Perce	ent Difference	1.1	1.6

METHOD: SW-846 8015 M

Chemist

Date

H14128A EPI

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR ENVIRONMENTAL PLUS, INC. ATTN: DAVID P. DUNCAN

P.O. BOX 1558 **EUNICE, NM 88231** FAX TO: (575) 394-2601

Receiving Date: 01/22/08

Reporting Date: 01/23/08

Project Owner: CHEVRON USA (200129)

Project Name: BRUNSON ARGO TB #1

Project Location: UL-D, SECT. 10, T 22 S, R 37 E

Analysis Date: 01/22/08 Sampling Date: 01/21/08

Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: NF

Analyzed By: HM

LAB NUMBER	SAMPLE ID	Cl (mg/kg)
H14128-1	MENSW-1 (12')	< 16
H14128-4	MEWSW-2 (11')	< 16
H14128-7	MESSW-2 (11')	16
H14128-9	MEESW-2 (18')	224
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percen	t Difference	< 0.1

METHOD: Standard Methods 4500-CIB Note: Analyses performed on 1:4 w:v aqueous extracts.

### H14128 EPI

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.

Page 182 of 236



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR **ENVIRONMENTAL PLUS, INC.** ATTN: DAVID P. DUNCAN

P.O. BOX 1558 **EUNICE, NM 88231** FAX TO: (575) 394-2601

Receiving Date: 01/23/08 Reporting Date: 01/23/08

Project Owner: CHEVRON USA (200129) Project Name: BRUNSON ARGO TB #1

Project Location: UL-D, SECT. 10, T 22 S, R 37 E

Analysis Date: 01/23/08 Sampling Date: 01/22/08

Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: ML

Analyzed By: HM

LAB NUMBER SAMPLE ID	(mg/kg)
H14136-1 ESW-12D (3')	< 16
5	
	**************************************
Quality Control	500
True Value QC	500
% Recovery	100
Relative Percent Difference	< 0.1

METHOD: Standard Methods 4500-CITB

Note: Analysis performed on a 1:4 w:v aqueous extract.

Chain of Custody Forr

Cardinal

LAB:

Invironmental Plus, Inc.

🔊 00 West Avenue O, Eunice, NM 88231 FAX: (575) 394-2601 **\$75)** 394-3481

P.O. Box 1558, Eunice, NM 88231

Received by OCD: 4/29/2020 12:00:06 AM Page 183 of 236 ANALYSIS REQUEST HA9 <<< A3HTO TCLP Hd SULFATES (SO<sub>4</sub>") CHLORIDES (CI') **M2108 H97** E-mail results to: dduncan@envplus.net **BTEX 8021B** TIME 8:30 SAMPLING 22-Jan-08 Eunice, NM 88231-1949 DATE Attn: Bill Anderson P.O. Box 1949 Chevron Bill To PRESERV. **NER** ICE/COOF **ACID/BASE** :A3HTO SLUDGE MATRIX Soor CENDE OIL SOIF Received By: (lab staff) **MASTEWATER** aren яэтам дипояр UL-D, Sect. 10, T 22 S, R 37 E Sample Cool & Intact Received By: 575-394-3481 / 575-394-2601 # CONTAINERS Eunice New Mexico 88231 Environmental Plus, Inc. G .чмо(э) яо вая(э) Brunson Argo TB #1 01/23/08 01/23/08 David P. Duncan David Robinson P.O. BOX 1558 Chevron USA SAMPLE I.D. 200129 Room ESW-12D (3') PI Project Manager **EPI Sampler Name** Poject Reference Pl Phone#/Fax# Mailing Address Company Name ient Company ty, State, Zip range sampler-Relinquished: cility Name LAB I.D. Relinquished by: cation

Page 184 of 236



ANALYTICAL RESULTS FOR

ENVIRONMENTAL PLUS, INC.

ATTN: DAVID P. DUNCAN

P.O. BOX 1558 EUNICE, NM 88231 FAX TO: (575) 394-2601

Receiving Date: 01/23/08

Reporting Date: 01/28/08

Project Owner: CHEVRON USA (200129)
Project Name: BRUNSON ARGO TB #1

Project Location: UL-D, SECT. 10, T 22 S, R 37 E

Sampling Date: 01/23/08

Sample Type: SOIL
Sample Condition: COOL & INTACT

Sample Received By: ML

Analyzed By: BC/KS

	GRO	DRO	
	$(C_6-C_{10})$	(>C <sub>10</sub> -C <sub>28</sub> )	CI*
LAB NUMBER SAMPLE ID	(mg/Kg)	(mg/Kg)	(mg/Kg)

ANALYSIS DATE	01/25/08	01/25/08	01/24/08
H14143-1 NEBH-1 (15')	1450	4570	160
H14143-2 NENSW-1B (5')	<10.0	42.5	<16
Quality Control	749	766	490
True Value QC	800	800	500
% Recovery	93.7	95.8	98.0
Relative Percent Difference	1.0	6.1	2.0

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; Cl<sup>-</sup>: Std. Methods 4500-Cl<sup>-</sup>B \*Analyses performed on 1:4 w:v aqueous extracts.

H14143 EPI

Date

# 185 invironmental Plus, Inc. 186 invironmental Plus, Inc. 1875) 394-3481 FAX: (575) 394-2601

P.O. Box 1558, Eunice, NM 88231

Chain of Custody Form

LAB:

Cardinal

Projugation FAX.	(3/3/394-200/		İ	İ		İ																1			I	1
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<b>EPI Project Manager</b>					<u></u>						5	2														
Mailing Address	P.O. BOX 1558																									,
City, State, Zip	Eunice New Mexico 88231	882	31				٠					V														
EPI Phone#/Fax#	575-394-3481 / 575-394-2601	94-2	260																							
Client Company	Chevron USA									- ASS																
Facility Name	Brunson Argo TB #1																									
Location	UL-D, Sect. 10, T 22 S,	S, R	37	ш	Ĺ					Att	2: 0	iii /	Attn: Bill Anderson			والمالالمنوان					-					
Project Reference	200129				Ш						Ö	Во	P.O. Box 1949													
<b>EPI Sampler Name</b>	David Robinson								ш	lnic	ě,	Z	Eunice, NM 88231-1949						-							
						MA.	MATRIX			PF	₹ESI	PRESERV.	. SAMPLING	ភ												
LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	ACID/BASE		OTHER		TIME	BTEX 8021B	TPH 8015M	CHLORIDES (CI')	SULFATES (SO <sub>4</sub> =)	рН	TCLP	OTHER >>>	PAH	FAII			
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Simpler/Relinduished:/	01/23/08	Rece	Received By:	By:		`					ΪŢ	E-mail res	results to: dduncan@envplus.net	can@envp	us.	net										ag
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ANALYTICAL RESULTS FOR ENVIRONMENTAL PLUS, INC. ATTN: DAVID P. DUNCAN

P.O. BOX 1558 EUNICE, NM 88231 FAX TO: (575) 394-2601

Receiving Date: 01/30/08

Reporting Date: 01/31/08

Project Owner: CHEVRON USA (200129)
Project Name: BRUNSON ARGO TB#1

Project Location: UL-D, SECT. 10, T 22 S, R 37 E

Sampling Date: 01/29/08

Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: ML Analyzed By: BC/KS

	GRO	DRO	
	$(C_6-C_{10})$	(>C <sub>10</sub> -C <sub>28</sub> )	CI*
LAB NUMBER SAMPLE ID	(mg/kg)	(mg/kg)	(mg/kg)

ANALYSIS DATE	01/30/08	01/30/08	01/30/08
H14180-1 NESSW-1 (10')	<10.0	<10.0	144
H14180-2 NEWSW-1 (10')	<10.0	<10.0	64
	The state of the state of		
Quality Control	749	763	500
True Value QC	800	800	500
% Recovery	93.6	95.3	100
Relative Percent Difference	2.9	4.5	<0.1

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; CI: Std. Methods 4500-CIB \*Analyses performed on 1:4 w:v aqueous extracts.

Chemist

Date

H14180 EPI

# **Environmental Plus, Inc.**

2100 West Avenue O, Eunice, NM 88231

P.O. Box 1558, Eunice, NM 88231

Chain of Custody Form

LAB:

Cardinal

	FAX: (575) 394-2601																								
Company Name		ental Plus	, Inc	). 								B	ill T	o			districts.	A	NAL	YSI	IS R	IEQ	UES	ST.	
EPI Project Mana		Duncan									-	· II.													
Mailing Address											-	.ne	evi	ron											
City, State, Zip		ew Mexico	882	231																					
EPI Phone#/Fax#	<del>\$ 575-394-3</del>	481 / 575-3	94-	260	1						B		-												
Client Company	Chevron U	ISA																							
Facility Name	Brunson	Argo TB #1											NAME OF TAXABLE PARTY.												
Location	UL-D, Sec	ct. 10, T 22	S, I	₹ 37	E						Attn	: Bi	II A	nderson											
Project Reference					,						P	.0.	Вох	1949											
EPI Sampler Nar	ne David Rol	binson								Εu	ınic	e, N	M 8	8231-1949											
				Π			MA	TRIX			PR	ESE	RV.	SAMPLI	NG										
			(G)RAB OR (C)OMP.		æ					Г	Г								(_1						
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LAB I.D.	SAMPLE I.I	D.	Ĭ,	# CONTAINERS	GROUND WATER	WASTEWATER		널			SE	_				18	Σ	CHLORIDES (CI)	SE (			^ ^			
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# ATTACHMENT III SOIL BORING LOGS

					L	-09	Of Test	Borin	gs	(N□TE - Page 1 of 1)
- 11							Projec	t Numbe	r: 200129	
= E	=	Envi	RONMEN	ITAL P TING AN	LUS, I	VC.	Projec	t Name:	Chevron - Brunso	on Argo Tank Battery #1
	7	REM FI	EDIAL (	CONSTRU NEW MEX	CTION		Locatio	n: UL-	-B, Section 9, Townsh	ip 22 South, Range 37 East
		_`	505-39	94-3481			Boring N	lumber:	SB1-1 Surfac	ze Elevation: 3,408-feet amsl
	le e	ery 's)	ıre	PID Readings (ppm)	ide sis (g)	S. ol	£\$		Start Date: 4-25-0	07 Time: 0630 hrs
Time	Sample Type	Recovery (inches)	Moisture	PII Padir (ppr	Chloride Analysis (mg/Kg)	U.S.C.S. Symbol	Depth (feet)			1-25-07 Time: 1000 hrs
	,	ಷ್ತ	Σ	ă.	O ← ∨				Description	
										_
0715	DC		moist	2,400	320				2' TOPSOIL,	oily, moist
										_
0722	SD.		noiet	2 000	220		5	$\vdash$	5′ TOPSOIL,	oily moist
0723	SP	8	moist	2,000	320		_	`	J TUFSUIL,	— —
										_
										_
							10		404 0 444	
0758	SP	6	no	39.1	320			\	10' SANI	J/Clay
										_
										_
							15			_
0835	SP	4	no	36.7	240		+ -		15' CALICHE, littl	le hard, rocky
							_			_
										_
							20	L		_
0929	SP	4	no	4.9	160				20' CALICHE, litt	le hard, rocky
							_		End of Soil Bo	ring at 21' bgs
							-			_
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							25			
							<u> </u>			_
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Date		e So	ample	urement Casing	Cave-i	n W	ater Dr	illing Me	thod: Auger	
_	+	De	epth -	Depth -	Depth -	ı L	evel	ackfill M	ethod: Bentonite	
_	<u> </u>		-	-	-	1	- Fi	eld Repr	esentative: GB	
					1			•		

					L	.09 [	]f Test	t Boring	S		(N□TE - Page 1 o	f 1)
-11							Projec	t Number	: 200129	<u> </u>		
= E	=	Envi	RONMEN	ITAL F	Lus, Ii	VC.	Projec	t Name:	Chevron - B	3runsor	n Argo Tank Batter	y #1
	7	REM FI	EDIAL (	CONSTRU NEW MEX	CTION		Locatio	n: UL-I	3, Section 9, To	ownship	22 South, Range	37 East
			505-39	94-3481			Boring N	lumber:	SB1-2 S	Surface	e Elevation: 3,408-f	eet amsl
0.	le e	Recovery (inches)	ıre	ן טפר לו	ide sis (g)	.S. ol	£3		Start Date: 4	4-25-07	7 Time: 1005 k	irs
Time	Sample Type	PCOV	Moisture	PID Readings (ppm)	Chloride Analysis (mg/Kg)	U.S.C.S. Symbol	Depth (feet)				-25-07 Time: <u>12</u>	15 hrs
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	∞ ≅	Σ	α.	O				Descrip	ption		
												_
1010	DC	2	moist	50.2	240					2' CLA	r, oily	
							_					_
1015	SP	5	moist	30.0	240		5	$\vdash$	!	5' SANI	D/Clav	
1010	0.		11015 \$	0010	210							
							_					_
1035	SP	10	dry	9.8	160		10	$\vdash$		10' CAL	_ICHE	
1033	31	10	ur y	7.0	100							
												_
							_					_
1153	SP	15	dry	5	160		15	$\vdash$	15' CALT	CHF. ho	ard - refusal	
1133	31	10	ur y		100						ing at 16' bgs	
												_
							20					
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Date	Wate	e So	ample	Casina	s (feet Cave-i	n Wa	ater Dr	rilling Met	hod: Auger			
		De	epth -	Depth -	Depth -	L	evel 🗀	ackfill Me	thod: Benton	nite		
-	-		-	-	-		- Fi	eld Repre	sentative: GB	3		
	•	<u> </u>										

Project Numbers   200129   Project Numbers   2						L	.og [	lf Test	Bori	ngs			(NOTE - I	Page 1 of 1	1
Constitution   Cons	- 11							Projec	t Numb	er: 21	00129	-			
REPHEIAL CONSTRUCTION   Surface   Salida   Surface   S	_E	-	Envi	RONMEN	ITAL F	Lus, Ii	۱C.	Projec	t Name	: Che	vron - Br	runsor	n Argo Tank	Battery #	<b>‡</b> 1
Sociation   Soci		7	REM FI	EDIAL (	CONSTRU	ICTION		Locatio	n: UL	B, Sect	tion 9, Tov	wnship	22 South,	Range 37	East
1230   DC				505-39	94-3481	(ICL		Boring N	lumber:	SB1-3	Su Su	urface	Elevation:	3,408-feet	amsl
1230   DC		ا م	ery s)	l L	gs )	de sis g)	S. Ol	<u>ج</u> ک		Star-	t Date: <u>4-</u>	-25-07	7 Tim	<sub>e:</sub> 1225 hrs	
1230   DC	Time	ampl Type	y on or	ist.	PID adin (ppm	nlori Jalys Jg/K	J.S.C.	Jept fee		Comp	letion Dat	te: <u>4-</u>	-25-07	Time: <u>1545</u>	hrs
1225   SP		S	\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \	Ψ	Re	7,4,2	S				Descript	tion			
1225   SP															
1255   SP   dry   40.2   800	1230	DC		moist	14.4	800		+			2' TC	OPSOIL	, Reddish		
1255   SP   dry   40.2   800									)						
1250 SP								5	$\sqsubseteq$						
1325   SP   dry   36   440   15   15' CALICHE	1225	SP		dry	40.2	800		+			,	5' CAL	.ICHE		/_
1325   SP   dry   36   440   15   15' CALICHE								$\vdash$							_
1325   SP   dry   36   440   15   15' CALICHE															_
1325   SP   dry   36   440   15   15' CALICHE								10							_
1325   SP   dry   36   440   15' CALICHE	1250	SP		dry	25	720		10			1	10' CAL	_ICHE		
1325   SP   dry   36   440   15' CALICHE															
1325   SP   dry   36   440   15' CALICHE								-							_
1325   SP   dry   36   440   15' CALICHE															
1430   SP   dry   40   320   20' CALICHE	1325	SP		dry	36	440		15			1	15′ CAL	_ICHE		
1430   SP   dry   40   320   20' CALICHE									)						
1430   SP   dry   40   320   20' CALICHE															_
1430   SP   dry   40   320   20' CALICHE								_							_
1431 SP dry 34 240 25 25' CALICHE  1525 SP dry 30 240 30' CALICHE/Sandstone End of Soil Boring at 31' bgs  Water Level Measurements (feet)  Date Time Sample Casing Cave-in Depth Backfill Method: Bentonite	1400	SD.		dev	40	320		20	$\vdash \setminus$		a	20' CAI	_ICHE		
1431 SP dry 34 240  1525 SP dry 30 240  Water Level Measurements (feet)  Date Time Sample Casing Cave-in Depth Dep	1400	31		ur y	70	<u> </u>		+	`						_
1431 SP dry 34 240  1525 SP dry 30 240  Water Level Measurements (feet)  Date Time Sample Casing Cave-in Depth Dep															
1431 SP dry 34 240  1525 SP dry 30 240  Water Level Measurements (feet)  Date Time Sample Casing Cave-in Depth Dep															_
1525 SP dry 30 240  Water Level Measurements (feet)  Date Time Sample Depth Depth Depth Level  Backfill Method: Bentonite  Backfill Method: Bentonite								25	$\vdash$		_	OE/ O/:	TOUE		
1525   SP   dry   30   240   30' CALICHE/Sandstone   End of Soil Boring at 31' bgs	1431	SP	-	dry	34	240		+			2	∠oʻ CAI	LIUHE		/ _
1525   SP   dry   30   240   30' CALICHE/Sandstone   End of Soil Boring at 31' bgs															_
1525   SP   dry   30   240   30' CALICHE/Sandstone   End of Soil Boring at 31' bgs															_
1525   SP   dry   30   240   30' CALICHE/Sandstone   End of Soil Boring at 31' bgs								30							
Water Level Measurements (feet)  Date Time Sample Casing Cave-in Water Depth Depth Depth Level Backfill Method: Bentonite	1525	SP		dry	30	240		+ "							/_
Date Time Sample Casing Cave-in Water Depth Depth Depth Level Backfill Method: Bentonite		   Wate	 er Leve	 el Meas	 urement	s (feet	;)	<u> </u>	<u></u>	:		oil Bor	ing at 31' b	gs	
Backfill Method: Bentonite	Date		ne So	ımple	Casing	Cave-i	n Wa	evel -			<del>-</del>				
Field Representative: GB		_		-		-		_ Bo				te			
								Fi	eld Rep	presentat	tive: GB				

Project Number:   200129   Project Number:   2						L	-09	Of Tes	st Bor	rings			(NDTE -	Page 1 of 1	>
Consult Time   Supple   Cosing   Cosi	ıllı		_			_		Proje	ct Num	nber:	200129				
Control   Cont	<b>=</b>	=	FNVI	RONMEN CONSUL	ITAL F TING AN	'LUS, II ID	NC.	Proje	ct Nam	16:	Chevron -	Brunso	n Argo Tanl	< Battery	#1
150   SP			REM El	JNICE, N	NEW MEX	CTION KICO		Locati	on: l	UL−B,	Section 9,	Townshi	p 22 South,	Range 37	East
1555   DC				505-39	1			Boring	Number						
1555   DC	Je	ple pe	iver)	ture	D lings m)	ride ysis 'Kg)	C.S. bol	et)							
1555   DC	<u> </u>	Sam Tyl	Reco	Mois	Read (pp	Chlo Anal (mg/	U.S.I	) Dep (fe		l			-25-0/	Time: 1648	nrs_
1600   SP											Desc	ription			
1600   SP	1555	7.0		<u>.</u>		0.10		+	$\vdash$			0/ TUD6/	DIL (Class		_
1620   SP	1555	DC		moist	25	240		_		\		2. 10521	LIL/Clay		/ -
1620   SP															
1620   SP	1600	SP		moist	24	240		`	`  `			5' TOPSI	DIL/Clay		/_]
1620   SP								-							_
1620   SP															_
1620   SP								1							_
1640   SP	1620	SP		dry	40	240		+		\		10' CA	ALICHE		/_
1640   SP															_
1640   SP															
End of Soil Boring at 16' bgs								1	5						
Water Level Measurements (feet)  Date Time Sample Casing Cave-in Depth Depth Depth Depth Level	1640	SP		dry	40	240		+		\				.05	/-
Water Level Measurements (feet)  Date Time Sample Casing Cave-in Depth D											LIIG OI	SOR DOI	ing at 10 k	93	_
Water Level Measurements (feet)  Date Time Sample Casing Cave-in Depth D															
Water Level Measurements (feet)  Date Time Sample Depth Depth Depth Level								<u> </u>	0						
Water Level Measurements (feet)  Date Time Sample Depth Depth Depth Level															_
Water Level Measurements (feet)  Date Time Sample Depth Depth Depth Level															_
Water Level Measurements (feet)  Date Time Sample Depth Depth Depth Level															_
Water Level Measurements (feet)  Date Time Sample Casing Cave-in Depth Depth Depth Level  Backfill Method: Bentonite								<u> </u>	5						
Water Level Measurements (feet)  Date Time Sample Casing Cave-in Depth Depth Depth Level  Backfill Method: Bentonite															-
Water Level Measurements (feet)  Date Time Sample Casing Cave-in Depth Depth Depth Level  Backfill Method: Bentonite															_
Water Level Measurements (feet)  Date Time Sample Casing Cave-in Depth Depth Depth Level  Backfill Method: Bentonite								_							_
Date Time Sample Casing Cave-in Water Depth Depth Level Backfill Method: Bentonite								3	0						
Date Time Sample Casing Cave-in Water Depth Depth Level Backfill Method: Bentonite															_
Depth Depth Level Backfill Method: Bentonite	Date		e So			Cave-i	n V	ater	Drilling	Metho	od: Augei	r			
Field Representative: GB			De	epth	Depth -	Depth -	Ĺ	.evel	Backfill	l Meth	od: Bent	onite			
	_	-		-	_	_		-	Field Re	eprese	entative:	GB			

					L	og l	Of Tes	t Borin	gs	(N□TE - Page 1 of	1)
-,0							Projec	t Numbe	rı 200129		
	=	Envi	RONMEN	ITAL F	Lus, Ii	VC.	Projec	t Name:	Chevron - Brunso	on Argo Tank Battery	<sup>,</sup> #1
	1	REM	EDIAL (	CONSTRU NEW MEX	CTION		Locatio	n: UL-	-B, Section 9, Townsh	ip 22 South, Range 3	7 East
			505-39	94-3481	1100		Boring N	lumber:	SB1-5 Surfac	ce Elevation: 3,408-fe	et amsl
	ا ا	ery s)	ı.e	sgi )	de sis g)	o.s.	42		Start Date: 4-25-0	07	<b>`</b> 5
Time	Sample Type	Recovery (inches)	Moisture	PID Readings (ppm)	Chloride Analysis (mg/Kg)	U.S.C.S. Symbol	Depth (feet)		Completion Date: _	1-26-07 Time: <u>084</u>	0 hrs
	<i>S</i>	&;	Σ	Re	24.2	ר כ			Description		
											_
1700	DC		moist	357	160				2' SAND,	very oily	
							5		_, _, _		
1710	SP		moist	170	160			\	5' CALIC	CHE, Gray	_/ _
											-
											_
											_
1830	SP		dry	130	160		+ "		10' SAI	ND, Red	_/_
							_				_
											_
							15				_
0820	SP		dry		160		13		15′ SA	ND, Red	
							_		End of Soil Bo	oring at 16' bgs	_
							_				_
											_
							20				
							_				_
							-				_
							<del></del> 25				
											_
											_
							_				_
							30				
											_
Do+c				urement			Di Di	⊥ ^illing Me	thod: Auger		
Date	Tim	De	imple epth	Casing Depth	Cave-i Depth	L L	evel	ackfill M	<del></del>		
_	_		_	_	-		_		resentative: GB		
					<u> </u>				C JETT (M MAE) MD		

Project Numbers   200129   Project Numbers   2						L	og	Of Tes	t Boring	5	(NOTE - Page	2 1 of 1)
Consult Fine   Cons	.0							Projec	t Number	: 200129		
Control   Cont	E	5	Envi	RONMEN	ITAL F	Lus, I	NC.	Projed	t Name:	Chevron - Bro	unson Argo Tank Ba	ttery #1
Social Social	7	7	REM	EDIAL (	CONSTRU	ICTION		Locatio	n: UL-I	3, Section 9, Tow	vnship 22 South, Rai	nge 37 East
	.11		El	505-39	94-3481	KICH		Boring	Number:	SB1-6 Su	rface Elevation: 3,4	08-feet amsl
		Φ.	200	a L	s6	åë €	ري ح	- CO		Start Date: 4-	26-07 Time: 08	845 hrs
	Time	ampl Fype	Ches	istu	PID adin ppm)	iloric alys g/Kg	S.C.S Ymbo	ept! Feet				
0905   SP		N,	8음	δ	Re	구주훈	⊃ω					
0905   SP								_				_
0905   SP	0855	DC		moist		160					2' SAND	
160	1000			11015								
160								5				_
	0905	SP		moist		160					5' SAND	/_
												_
												_
												_
Water Level Measurements (Feet)  Date Time Sample Casing Cave-in Depth Depth Depth Depth Level  Backfill Methods Bentonite  Date Time Sample Depth Dep	0945	SP		dry		160		10		10′ 3	SAND/CALICHE	
Water Level Measurements (feet)  Date Time Sample Casing Depth Depth Depth Depth Depth Sackfill Method: Bentonite  Dackfill Method: Bentonite										End of So	il Boring at 11' bgs	_
Water Level Measurements (feet)  Date Time Sample Casing Depth Depth Depth Depth Depth Sackfill Method: Bentonite  Dackfill Method: Bentonite								_				_
Water Level Measurements (feet)  Date Time Sample Casing Depth Depth Depth Depth Depth Sackfill Method: Bentonite  Dackfill Method: Bentonite												_
Water Level Measurements (feet)  Date Time Sample Casing Cave-in Depth D								15	i			
Water Level Measurements (feet)  Date Time Sample Casing Cave-in Depth D												_
Water Level Measurements (feet)  Date Time Sample Casing Cave-in Depth D												_
Water Level Measurements (feet)  Date Time Sample Casing Cave-in Depth D								_				_
Water Level Measurements (feet)  Date Time Sample Depth Depth Depth Level  Backfill Method: Bentonite  Backfill Method: Bentonite								<u> </u>	ı			
Water Level Measurements (feet)  Date Time Sample Depth Depth Depth Level  Backfill Method: Bentonite  Backfill Method: Bentonite												_
Water Level Measurements (feet)  Date Time Sample Depth Depth Depth Level  Backfill Method: Bentonite  Backfill Method: Bentonite												_
Water Level Measurements (feet)  Date Time Sample Depth Depth Depth Level  Backfill Method: Bentonite  Backfill Method: Bentonite												_
Water Level Measurements (feet)  Date Time Sample Casing Cave-in Depth Depth Level  Backfill Method: Bentonite								25	i			
Water Level Measurements (feet)  Date Time Sample Casing Cave-in Depth Depth Level  Backfill Method: Bentonite												_
Water Level Measurements (feet)  Date Time Sample Casing Cave-in Depth Depth Level  Backfill Method: Bentonite												_
Water Level Measurements (feet)  Date Time Sample Casing Cave-in Depth Depth Level  Backfill Method: Bentonite												_
Water Level Measurements (feet)  Date Time Sample Casing Cave-in Depth Depth Level  Backfill Method: Bentonite												<u> </u>
Date Time Sample Casing Cave-in Water Depth Depth Level Backfill Method: Bentonite												_
Date Time Sample Casing Cave-in Water Depth Depth Level Backfill Method: Bentonite		   Wate	 er Leve	 el Meas	 urement	s (feet	t)					
Backfill Method: Bentonite	Date		ie So	ample	Casina	Cave-i	n W	EVEL -				
Field Representative: GB	<b>—</b>			-	-	-			Backfill Me		e e	
				_				F	ield Repre	sentative: GB		

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**

					Ol	PERATOR		Initial Repo	ort 🛛 Final Repo
Name of Cor						Contact: Bill A			
Address: P.C						•	<b>:</b> (575) 394-123'		
Facility Nam	ne: Brunso	n Argo Tanl	Battery	#1	]	Facility Type:	Decommissione	d Tank Batter	у
Surface Own (c/o Charles .			son Mood	y Mineral Ov	vner:			API No.	:
`		• •		LOCATI	ON (	OF RELEASE		1	
Unit Letter D	Section 10	Township 22S	Range 37E	Feet from the		th/South Line	Feet from the	East/West Li	ne County Lea
		L	atitude:	N32° 24' 36.41"	•	Longitude: \	W103° 09' 31.39	'''	·
				NATUR	E O	F RELEASE			
Type of Relea							lease: Historical		ecovered: Historical
	ease: Histor	rical releases t	from decor	nmissioned Tank			r of Occurrence:		Hour of Discovery:
Battery Was Immedia	ta Notice (	Livon?				N/A If YES, To W	hom?	N/A	
vv as illilieula	ite Notice (		Yes 🔲 1	No 🛛 Not Requ	iired	N/A	mom :		
By Whom?						Date and Hou	ır: N/A		
Was a Watero	course Rea	ched?					ne Impacting the	Watercourse:	
			Yes 🛛 N	No .		Not Applicable			
Depth to water	er: ~66 ft								
If a Watercou	rse was Im	pacted, Desc	ribe Fully	* Not Applicable					
Describe Caus	so of Probl	am and Rame	adial Actic	on Taken.* Histor	ical re	leases from deco	ommissioned Tank	Rattery	
Describe Area contaminated s February 7, 20	Affected a soils were re 08 the exca	and Cleanup emoved and tr vation was ba	Action Ta ansported ckfilled w	<b>Iken.*</b> From Decer to Sundance Servi ith 1,536 yds <sup>3</sup> of ca	mber 2 ces In aliche	26, 2007 through c., and 714 tons and 5,858 yds <sup>3</sup> c	January 23, 2008 transported to EPI of clean topsoil. On	approximately Land Farm. Fr n February 1, 20	8,492 tons of com January 29 through 008 EPI installed 40- ation. After completing
owner. To prev	vent wind a	nd water erosi	on, a wint		rye) v	vill be applied ov	er the disturbed a	rea. This applica	ved by the property ation will be followed
I hereby certify and regulations endanger public operator of liab surface water,	y that the in s all operato ic health or pility should human heal	formation given or are required the environmental their operation of the environmental their operation.	en above in the action of the	s true and complet and/or file certain cceptance of a C-1 ailed to adequately	e to the release 41 rependent of the tenth o	te best of my known to be notifications a port by the NMO stigate and remediceptance of a C-	owledge and under and perform correct CD marked as "Fi liate contamination	estand that pursu tive actions for anal Report" doe in that pose a thr	ant to NMOCD rules releases which may
							OIL CONSERV	ATION DIVI	SION
Signature:									
Printed Name	e: Bill A. A	nderson			1	Approved by Di	strict Supervisor	:	
Title: HES Ch	ampion				1	Approval Date:		Expiration 1	Date:
E-mail Addre	ss: billyand	lerson@chevr	on.com			Conditions of A	pproval:		Attached
Date:		Phon	ne: (575) 3	94-1237					
Attach Addit	ional She								

# Appendix C

**Regulatory Communications** 

From: <u>Eads, Cristina, EMNRD</u>
To: <u>"ABarnhill@chevron.com"</u>

 Cc:
 Bradford EMNRD Billings (Bradford.Billings@state.nm.us)

 Subject:
 1RP-1295 Brunson Argo Tank Battery #1 Closure Request

**Date:** Thursday, January 9, 2020 8:18:00 AM

Attachments: (C-141 Denied) Closure Request Brunson Argo Tank Battery 1 1RP-1295.pdf

Amy,

The OCD has reviewed the closure report for the Brunson Argo Tank Battery #1, 1RP-1295. This closure request is denied for the following reason:

• The release has not been fully delineated to the given closure criteria of 100 mg/kg TPH. The bottom samples, NEBH-1 (15') and BH-M(20'), taken from the deep excavations, exceed 100 mg/kg TPH. Samples BH1-ES, BH2-ES, and BH1-NS exceed 100 mg/kg TPH and the location from where these samples were taken is unknown.

Sample

The OCD requests Chevron perform additional site characterization by installing a two additional soil bores, one within the 20' excavation and the other within the 15' excavation, to vertically delineate to TPH-100 mg/kg. Please include a scaled site map with locations of additional soil bores relative to the previously excavated area. If analytical results show there is no risk to groundwater contamination, Chevron can request a variance to keep the remainder of the affected soil in place.

I appreciate you taking the time to find additional sample data for this work which was completed over a decade ago. Thank you for your continued efforts. Please let me know if you have any questions.

Regards,

### **Cristina Eads**

Environmental Bureau

EMNRD – Oil Conservation Division

1220 South St. Francis Drive

Santa Fe, New Mexico 87505

505.476.3084

email: Cristina.Eads@state.nm.us

OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to groundwater, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Appendix D

**Laboratory Reports** 



### Certificate of Analysis Summary 654782

Larson and Associates, Inc., Midland, TX

**Project Name: Brunson Argo Battery #1** 

**Project Id:** 19-0148-01 Mark Larson

**Contact:** 

**Date Received in Lab:** Fri 03.06.2020 09:50

**Report Date:** 03.11.2020 17:51

Project Manager: Holly Taylor **Project Location:** 

	Lab Id:	654782-00	01	654782-00	)2	654782-00	)3	654782-00	)4	654782-00	05	654782-00	)6
Analysis Requested	Field Id:	B-2 (0')		B-2 (5')		B-2 (10')		B-2 (15')		B-2 (20')		B-2 (25')	
Anutysis Requesieu	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	03.05.2020 1	13:51	03.05.2020 1	3:53	03.05.2020 1	3:58	03.05.2020	3:59	03.05.2020	14:05	03.05.2020 1	4:07
TPH by SW8015 Mod	Extracted:	03.06.2020 1	11:00	03.06.2020 1	1:00	03.06.2020 1	1:00	03.06.2020	1:00	03.06.2020	11:00	03.06.2020 1	1:00
	Analyzed:	03.06.2020 1	13:49	03.06.2020 1	4:45	03.06.2020 1	5:03	03.06.2020	5:22	03.06.2020	15:40	03.06.2020 1	5:59
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.9	49.9	< 50.0	50.0	< 50.0	50.0	<49.9	49.9	< 50.0	50.0	< 50.0	50.0
Diesel Range Organics (DRO)		<49.9	49.9	< 50.0	50.0	< 50.0	50.0	<49.9	49.9	< 50.0	50.0	< 50.0	50.0
Motor Oil Range Hydrocarbons (MRO)		<49.9	49.9	<50.0	50.0	< 50.0	50.0	<49.9	49.9	< 50.0	50.0	<50.0	50.0
Total TPH		<49.9	49.9	< 50.0	50.0	< 50.0	50.0	<49.9	49.9	< 50.0	50.0	< 50.0	50.0

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Holly Taylor Project Manager



### Certificate of Analysis Summary 654782

Larson and Associates, Inc., Midland, TX

**Project Name: Brunson Argo Battery #1** 

**Project Id:** 19-0148-01 Mark Larson

**Contact:** 

**Date Received in Lab:** Fri 03.06.2020 09:50

**Report Date:** 03.11.2020 17:51

Project Manager: Holly Taylor **Project Location:** 

	Lab Id:	654782-00	07	654782-00	)8	654782-00	)9	654782-0	10	654782-0	11	654782-01	12
Analysis Requested	Field Id:	B-2 (30')	)	B-2 (35')	)	B-2 (40')		B-1 (0')		B-1 (5')		B-1 (10')	
Anutysis Requesieu	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	03.05.2020	14:10	03.05.2020 1	4:11	03.05.2020 1	14:15	03.05.2020 1	4:20	03.05.2020	14:23	03.05.2020 1	14:25
TPH by SW8015 Mod	Extracted:	03.06.2020	11:00	03.06.2020 1	1:00	03.06.2020 1	11:00	03.06.2020 1	1:00	03.06.2020	11:00	03.06.2020 1	11:00
	Analyzed:	03.06.2020	16:18	03.06.2020 1	6:36	03.06.2020 1	16:55	03.06.2020 1	7:13	03.06.2020	17:51	03.06.2020 1	18:09
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.9	49.9	<49.9	49.9	<49.8	49.8	< 50.0	50.0	< 50.0	50.0	< 50.0	50.0
Diesel Range Organics (DRO)		<49.9	49.9	<49.9	49.9	<49.8	49.8	< 50.0	50.0	< 50.0	50.0	< 50.0	50.0
Motor Oil Range Hydrocarbons (MRO)		<49.9	49.9	<49.9	49.9	<49.8	49.8	< 50.0	50.0	<50.0	50.0	<50.0	50.0
Total TPH		<49.9	49.9	<49.9	49.9	<49.8	49.8	< 50.0	50.0	<50.0	50.0	< 50.0	50.0

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Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Holly Taylor Project Manager



### Certificate of Analysis Summary 654782

Larson and Associates, Inc., Midland, TX

**Project Name: Brunson Argo Battery #1** 

**Project Id:** 19-0148-01 Mark Larson

**Contact:** 

**Date Received in Lab:** Fri 03.06.2020 09:50

**Report Date:** 03.11.2020 17:51

Project Manager: Holly Taylor **Project Location:** 

	Lab Id:	654782-0	13	654782-01	4	654782-01	15	654782-0	16	654782-0	17	654782-01	18
Analysis Requested	Field Id:	B-1 (15')	)	B-1 (20')	,	B-1 (25')		B-1 (30')		B-1 (35')		B-1 (40')	
Anuiysis Kequesieu	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	03.05.2020	14:26	03.05.2020 1	4:27	03.05.2020 1	4:32	03.05.2020	4:33	03.05.2020	14:34	03.05.2020 1	14:35
TPH by SW8015 Mod	Extracted:	03.06.2020	11:00	03.06.2020 1	1:00	03.06.2020 1	1:00	03.06.2020	1:00	03.06.2020	11:00	03.06.2020 1	11:00
	Analyzed:	03.06.2020	18:28	03.06.2020 1	8:46	03.06.2020 1	9:06	03.06.2020	9:24	03.06.2020	19:43	03.06.2020 2	20:02
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.9	49.9	<49.9	49.9	<49.8	49.8	< 50.0	50.0	< 50.0	50.0	<49.9	49.9
Diesel Range Organics (DRO)		<49.9	49.9	<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9
Motor Oil Range Hydrocarbons (MRO)		<49.9	49.9	<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9
Total TPH		<49.9	49.9	<49.9	49.9	<49.8	49.8	< 50.0	50.0	<50.0	50.0	<49.9	49.9

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Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Holly Taylor Project Manager



# **Analytical Report 654782**

### for

### Larson and Associates, Inc.

**Project Manager: Mark Larson** 

Brunson Argo Battery #1 19-0148-01 03.11.2020

Collected By: Client



### 1211 W. Florida Ave Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122): Texas (T104704215-19-30), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054) Oklahoma (2019-058), North Carolina (681), Arkansas (19-037-0)

> Xenco-Dallas (EPA Lab Code: TX01468): Texas (TX104704295-19-22), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-19-16) Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-19-21) Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-19) Xenco-Carlsbad (LELAP): Louisiana (05092) Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-19-5) Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757) Xenco-Tampa: Florida (E87429), North Carolina (483)



03.11.2020

Project Manager: Mark Larson Larson and Associates, Inc. P. O. Box 50685 Midland, TX 79710

Reference: XENCO Report No(s): 654782

Brunson Argo Battery #1

Project Address:

### Mark Larson:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 654782. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 654782 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Hely Taylor

Holly Taylor

Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico



# **Sample Cross Reference 654782**

### Larson and Associates, Inc., Midland, TX

Brunson Argo Battery #1

Sample Id	Matrix	<b>Date Collected</b>	Sample Depth	Lab Sample Id
B-2 (0')	S	03.05.2020 13:51		654782-001
B-2 (5')	S	03.05.2020 13:53		654782-002
B-2 (10')	S	03.05.2020 13:58		654782-003
B-2 (15')	S	03.05.2020 13:59		654782-004
B-2 (20')	S	03.05.2020 14:05		654782-005
B-2 (25')	S	03.05.2020 14:07		654782-006
B-2 (30')	S	03.05.2020 14:10		654782-007
B-2 (35')	S	03.05.2020 14:11		654782-008
B-2 (40')	S	03.05.2020 14:15		654782-009
B-1 (0')	S	03.05.2020 14:20		654782-010
B-1 (5')	S	03.05.2020 14:23		654782-011
B-1 (10')	S	03.05.2020 14:25		654782-012
B-1 (15')	S	03.05.2020 14:26		654782-013
B-1 (20')	S	03.05.2020 14:27		654782-014
B-1 (25')	S	03.05.2020 14:32		654782-015
B-1 (30')	S	03.05.2020 14:33		654782-016
B-1 (35')	S	03.05.2020 14:34		654782-017
B-1 (40')	S	03.05.2020 14:35		654782-018

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### **CASE NARRATIVE**



Client Name: Larson and Associates, Inc. Project Name: Brunson Argo Battery #1

Project ID: Report Date: 03.11.2020 19-0148-01 Work Order Number(s): 654782 Date Received: 03.06.2020

Sample receipt non conformances and comments:
Sample receipt non conformances and comments per sample:

None



ARM

### **Certificate of Analytical Results 654782**

### Larson and Associates, Inc., Midland, TX

Brunson Argo Battery #1

Sample Id: B-2(0')Matrix: Soil Date Received:03.06.2020 09:50

Lab Sample Id: 654782-001 Date Collected: 03.05.2020 13:51

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM % Moisture:

Analyst: Date Prep: 03.06.2020 11:00 Seq Number: 3118855

Basis: Wet Weight

Parameter	Cas Numbe	r Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9		mg/kg	03.06.2020 13:49	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9		mg/kg	03.06.2020 13:49	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9		mg/kg	03.06.2020 13:49	U	1
Total TPH	PHC635	<49.9	49.9		mg/kg	03.06.2020 13:49	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane		111-85-3	99	%	70-135	03.06.2020 13:49		
o-Terphenyl		84-15-1	102	%	70-135	03.06.2020 13:49		



### Larson and Associates, Inc., Midland, TX

Brunson Argo Battery #1

Sample Id: **B-2** (5') Matrix: Soil Date Received:03.06.2020 09:50

Lab Sample Id: 654782-002 Date Collected: 03.05.2020 13:53

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM % Moisture:

Analyst: ARM Date Prep: 03.06.2020 11:00 Basis: Wet Weight

Parameter	Cas Number	r Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0		mg/kg	03.06.2020 14:45	U	1
Diesel Range Organics (DRO)	C10C28DRO	< 50.0	50.0		mg/kg	03.06.2020 14:45	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	< 50.0	50.0		mg/kg	03.06.2020 14:45	U	1
Total TPH	PHC635	<50.0	50.0		mg/kg	03.06.2020 14:45	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane		111-85-3	87	%	70-135	03.06.2020 14:45		
o-Terphenyl		84-15-1	90	%	70-135	03.06.2020 14:45		



### Larson and Associates, Inc., Midland, TX

Brunson Argo Battery #1

Sample Id: **B-2 (10')** Matrix: Soil Date Received:03.06.2020 09:50

Lab Sample Id: 654782-003 Date Collected: 03.05.2020 13:58

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM % Moisture:

Analyst: ARM Date Prep: 03.06.2020 11:00 Basis: Wet Weight

Parameter	Cas Number	r Result	RL		Units	<b>Analysis Date</b>	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0		mg/kg	03.06.2020 15:03	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0		mg/kg	03.06.2020 15:03	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	< 50.0	50.0		mg/kg	03.06.2020 15:03	U	1
Total TPH	PHC635	<50.0	50.0		mg/kg	03.06.2020 15:03	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane		111-85-3	85	%	70-135	03.06.2020 15:03		
o-Terphenyl		84-15-1	87	%	70-135	03.06.2020 15:03		



### Larson and Associates, Inc., Midland, TX

Brunson Argo Battery #1

Sample Id: **B-2 (15')** Matrix: Soil Date Received:03.06.2020 09:50

Lab Sample Id: 654782-004 Date Collected: 03.05.2020 13:59

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM % Moisture:

Analyst: ARM Date Prep: 03.06.2020 11:00 Basis: Wet Weight

Parameter	Cas Numbe	r Result	RL		Units	<b>Analysis Date</b>	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9		mg/kg	03.06.2020 15:22	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9		mg/kg	03.06.2020 15:22	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9		mg/kg	03.06.2020 15:22	U	1
Total TPH	PHC635	<49.9	49.9		mg/kg	03.06.2020 15:22	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane		111-85-3	83	%	70-135	03.06.2020 15:22		
o-Terphenyl		84-15-1	86	%	70-135	03.06.2020 15:22		



### Larson and Associates, Inc., Midland, TX

03.06.2020 11:00

Basis:

70-135

03.06.2020 15:40

Wet Weight

Brunson Argo Battery #1

Sample Id: **B-2 (20')** Matrix: Soil Date Received:03.06.2020 09:50

Lab Sample Id: 654782-005 Date Collected: 03.05.2020 14:05

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Date Prep:

Tech: DVM % Moisture:

84-15-1

Seq Number: 3118855

o-Terphenyl

ARM

Analyst:

Parameter	Cas Number	r Result	RL		Units	<b>Analysis Date</b>	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0		mg/kg	03.06.2020 15:40	U	1
Diesel Range Organics (DRO)	C10C28DRO	< 50.0	50.0		mg/kg	03.06.2020 15:40	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	< 50.0	50.0		mg/kg	03.06.2020 15:40	U	1
Total TPH	PHC635	< 50.0	50.0		mg/kg	03.06.2020 15:40	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane		111-85-3	86	%	70-135	03.06.2020 15:40		

89



### Larson and Associates, Inc., Midland, TX

03.06.2020 11:00

Basis:

70-135

03.06.2020 15:59

Wet Weight

Brunson Argo Battery #1

Sample Id: **B-2 (25')** Matrix: Soil Date Received:03.06.2020 09:50

Lab Sample Id: 654782-006 Date Collected: 03.05.2020 14:07

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Date Prep:

Tech: DVM % Moisture:

84-15-1

Seq Number: 3118855

o-Terphenyl

ARM

Analyst:

Parameter	Cas Numbe	r Result	RL		Units	<b>Analysis Date</b>	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	< 50.0	50.0		mg/kg	03.06.2020 15:59	U	1
Diesel Range Organics (DRO)	C10C28DRO	< 50.0	50.0		mg/kg	03.06.2020 15:59	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	< 50.0	50.0		mg/kg	03.06.2020 15:59	U	1
Total TPH	PHC635	<50.0	50.0		mg/kg	03.06.2020 15:59	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane		111-85-3	86	%	70-135	03.06.2020 15:59		

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### Larson and Associates, Inc., Midland, TX

Brunson Argo Battery #1

Sample Id: **B-2 (30')** Matrix: Soil Date Received:03.06.2020 09:50

Lab Sample Id: 654782-007 Date Collected: 03.05.2020 14:10

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM % Moisture:

Analyst: ARM Date Prep: 03.06.2020 11:00 Basis: Wet Weight

Parameter	Cas Number	r Result	RL		Units	<b>Analysis Date</b>	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9		mg/kg	03.06.2020 16:18	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9		mg/kg	03.06.2020 16:18	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9		mg/kg	03.06.2020 16:18	U	1
Total TPH	PHC635	<49.9	49.9		mg/kg	03.06.2020 16:18	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane		111-85-3	86	%	70-135	03.06.2020 16:18		
o-Terphenyl		84-15-1	89	%	70-135	03.06.2020 16:18		



### Larson and Associates, Inc., Midland, TX

03.06.2020 11:00

Basis:

70-135

03.06.2020 16:36

Wet Weight

Brunson Argo Battery #1

Sample Id: **B-2** (35') Matrix: Soil Date Received:03.06.2020 09:50

Lab Sample Id: 654782-008 Date Collected: 03.05.2020 14:11

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Date Prep:

Tech: DVM % Moisture:

84-15-1

Seq Number: 3118855

o-Terphenyl

ARM

Analyst:

Parameter	Cas Numbe	r Result	RL		Units	<b>Analysis Date</b>	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9		mg/kg	03.06.2020 16:36	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9		mg/kg	03.06.2020 16:36	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9		mg/kg	03.06.2020 16:36	U	1
Total TPH	PHC635	<49.9	49.9		mg/kg	03.06.2020 16:36	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane		111-85-3	85	%	70-135	03.06.2020 16:36		

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### Larson and Associates, Inc., Midland, TX

Brunson Argo Battery #1

Sample Id: **B-2 (40')** Matrix: Soil Date Received:03.06.2020 09:50

Lab Sample Id: 654782-009 Date Collected: 03.05.2020 14:15

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM % Moisture:

84-15-1

Analyst: ARM Date Prep: 03.06.2020 11:00 Basis: Wet Weight

Seq Number: 3118855

o-Terphenyl

Parameter	Cas Numbe	r Result	RL		Units	<b>Analysis Date</b>	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8		mg/kg	03.06.2020 16:55	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8		mg/kg	03.06.2020 16:55	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8		mg/kg	03.06.2020 16:55	U	1
Total TPH	PHC635	<49.8	49.8		mg/kg	03.06.2020 16:55	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane		111-85-3	83	%	70-135	03.06.2020 16:55		

86

70-135

03.06.2020 16:55



### Larson and Associates, Inc., Midland, TX

Brunson Argo Battery #1

Sample Id: **B-1** (0') Matrix: Soil Date Received:03.06.2020 09:50

Lab Sample Id: 654782-010 Date Collected: 03.05.2020 14:20

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM % Moisture:

Analyst: ARM Date Prep: 03.06.2020 11:00 Basis: Wet Weight

Parameter	Cas Numbe	r Result	RL		Units	<b>Analysis Date</b>	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0		mg/kg	03.06.2020 17:13	U	1
Diesel Range Organics (DRO)	C10C28DRO	< 50.0	50.0		mg/kg	03.06.2020 17:13	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	< 50.0	50.0		mg/kg	03.06.2020 17:13	U	1
Total TPH	PHC635	<50.0	50.0		mg/kg	03.06.2020 17:13	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane		111-85-3	85	%	70-135	03.06.2020 17:13		
o-Terphenyl		84-15-1	87	%	70-135	03.06.2020 17:13		

o-Terphenyl



### **Certificate of Analytical Results 654782**

### Larson and Associates, Inc., Midland, TX

Brunson Argo Battery #1

Sample Id: B-1 (5') Matrix: Soil Date Received:03.06.2020 09:50

Lab Sample Id: 654782-011 Date Collected: 03.05.2020 14:23

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM % Moisture:

84-15-1

Analyst: ARM Date Prep: 03.06.2020 11:00 Seq Number: 3118855 Basis: Wet Weight

03.06.2020 17:51

70-135

Parameter	Cas Numbe	r Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	< 50.0	50.0		mg/kg	03.06.2020 17:51	U	1
Diesel Range Organics (DRO)	C10C28DRO	< 50.0	50.0		mg/kg	03.06.2020 17:51	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	< 50.0	50.0		mg/kg	03.06.2020 17:51	U	1
Total TPH	PHC635	<50.0	50.0		mg/kg	03.06.2020 17:51	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane		111-85-3	86	%	70-135	03.06.2020 17:51		

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## Larson and Associates, Inc., Midland, TX

Brunson Argo Battery #1

Sample Id: **B-1** (10') Matrix: Soil Date Received:03.06.2020 09:50

Lab Sample Id: 654782-012 Date Collected: 03.05.2020 14:25

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM % Moisture:

Analyst: ARM Date Prep: 03.06.2020 11:00 Basis: Wet Weight

Parameter	Cas Number	r Result	$\mathbf{RL}$		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0		mg/kg	03.06.2020 18:09	U	1
Diesel Range Organics (DRO)	C10C28DRO	< 50.0	50.0		mg/kg	03.06.2020 18:09	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	< 50.0	50.0		mg/kg	03.06.2020 18:09	U	1
Total TPH	PHC635	<50.0	50.0		mg/kg	03.06.2020 18:09	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane		111-85-3	87	%	70-135	03.06.2020 18:09		
o-Terphenyl		84-15-1	90	%	70-135	03.06.2020 18:09		



## Larson and Associates, Inc., Midland, TX

Brunson Argo Battery #1

Sample Id: **B-1** (15') Matrix: Soil Date Received:03.06.2020 09:50

Lab Sample Id: 654782-013 Date Collected: 03.05.2020 14:26

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM % Moisture:

Analyst: ARM Date Prep: 03.06.2020 11:00 Basis: Wet Weight

Parameter	Cas Number	r Result	RL		Units	<b>Analysis Date</b>	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9		mg/kg	03.06.2020 18:28	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9		mg/kg	03.06.2020 18:28	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9		mg/kg	03.06.2020 18:28	U	1
Total TPH	PHC635	<49.9	49.9		mg/kg	03.06.2020 18:28	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane		111-85-3	85	%	70-135	03.06.2020 18:28		
o-Terphenyl		84-15-1	87	%	70-135	03.06.2020 18:28		



## Larson and Associates, Inc., Midland, TX

Brunson Argo Battery #1

Sample Id: **B-1 (20')** Matrix: Soil Date Received:03.06.2020 09:50

Lab Sample Id: 654782-014 Date Collected: 03.05.2020 14:27

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM % Moisture:

Analyst: ARM Date Prep: 03.06.2020 11:00 Basis: Wet Weight

Parameter	Cas Numbe	r Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9		mg/kg	03.06.2020 18:46	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9		mg/kg	03.06.2020 18:46	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9		mg/kg	03.06.2020 18:46	U	1
Total TPH	PHC635	<49.9	49.9		mg/kg	03.06.2020 18:46	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane		111-85-3	90	%	70-135	03.06.2020 18:46		
o-Terphenyl		84-15-1	93	%	70-135	03.06.2020 18:46		



## Larson and Associates, Inc., Midland, TX

Brunson Argo Battery #1

Sample Id: **B-1** (25') Matrix: Soil Date Received:03.06.2020 09:50

Lab Sample Id: 654782-015 Date Collected: 03.05.2020 14:32

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM % Moisture:

Analyst: ARM Date Prep: 03.06.2020 11:00 Basis: Wet Weight

Parameter	Cas Number	r Result	RL		Units	<b>Analysis Date</b>	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8		mg/kg	03.06.2020 19:06	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8		mg/kg	03.06.2020 19:06	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8		mg/kg	03.06.2020 19:06	U	1
Total TPH	PHC635	<49.8	49.8		mg/kg	03.06.2020 19:06	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane		111-85-3	82	%	70-135	03.06.2020 19:06		
o-Terphenyl		84-15-1	84	%	70-135	03.06.2020 19:06		



## Larson and Associates, Inc., Midland, TX

Brunson Argo Battery #1

Sample Id: **B-1 (30')** Matrix: Soil Date Received:03.06.2020 09:50

Lab Sample Id: 654782-016 Date Collected: 03.05.2020 14:33

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM % Moisture:

Analyst: ARM Date Prep: 03.06.2020 11:00 Basis: Wet Weight

Parameter	Cas Number	r Result	RL		Units	<b>Analysis Date</b>	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0		mg/kg	03.06.2020 19:24	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0		mg/kg	03.06.2020 19:24	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0		mg/kg	03.06.2020 19:24	U	1
Total TPH	PHC635	<50.0	50.0		mg/kg	03.06.2020 19:24	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane		111-85-3	83	%	70-135	03.06.2020 19:24		
o-Terphenyl		84-15-1	82	%	70-135	03.06.2020 19:24		



## Larson and Associates, Inc., Midland, TX

Brunson Argo Battery #1

Sample Id: **B-1** (35') Matrix: Soil Date Received:03.06.2020 09:50

Lab Sample Id: 654782-017 Date Collected: 03.05.2020 14:34

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM % Moisture:

Analyst: ARM Date Prep: 03.06.2020 11:00 Basis: Wet Weight

Parameter	Cas Number	r Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0		mg/kg	03.06.2020 19:43	U	1
Diesel Range Organics (DRO)	C10C28DRO	< 50.0	50.0		mg/kg	03.06.2020 19:43	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	< 50.0	50.0		mg/kg	03.06.2020 19:43	U	1
Total TPH	PHC635	<50.0	50.0		mg/kg	03.06.2020 19:43	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane		111-85-3	84	%	70-135	03.06.2020 19:43		
o-Terphenyl		84-15-1	87	%	70-135	03.06.2020 19:43		



## Larson and Associates, Inc., Midland, TX

Brunson Argo Battery #1

Sample Id: **B-1** (**40**') Matrix: Soil Date Received:03.06.2020 09:50

Lab Sample Id: 654782-018 Date Collected: 03.05.2020 14:35

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM % Moisture:

Analyst: ARM Date Prep: 03.06.2020 11:00 Basis: Wet Weight

Parameter	Cas Number	r Result	RL		Units	<b>Analysis Date</b>	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9		mg/kg	03.06.2020 20:02	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9		mg/kg	03.06.2020 20:02	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9		mg/kg	03.06.2020 20:02	U	1
Total TPH	PHC635	<49.9	49.9		mg/kg	03.06.2020 20:02	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane		111-85-3	84	%	70-135	03.06.2020 20:02		
o-Terphenyl		84-15-1	86	%	70-135	03.06.2020 20:02		



# Flagging Criteria

- X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
- **B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- **D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F RPD exceeded lab control limits.
- J The target analyte was positively identified below the quantitation limit and above the detection limit.
- U Analyte was not detected.
- L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- **H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- **K** Sample analyzed outside of recommended hold time.
- **JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.
- \*\* Surrogate recovered outside laboratory control limit.

**BRL** Below Reporting Limit. **ND** Not Detected.

**RL** Reporting Limit

MDL Method Detection Limit SDL Sample Detection Limit LOD Limit of Detection

PQL Practical Quantitation Limit MQL Method Quantitation Limit LOQ Limit of Quantitation

**DL** Method Detection Limit

NC Non-Calculable

SMP Client Sample BLK Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample BKSD/LCSD Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate MS Matrix Spike MSD: Matrix Spike Duplicate

- + NELAC certification not offered for this compound.
- \* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

Flag

Flag

#### **QC Summary** 654782



#### Larson and Associates, Inc.

Brunson Argo Battery #1

SW8015P Analytical Method: TPH by SW8015 Mod Prep Method: 3118855 03.06.2020 Seq Number: Matrix: Solid Date Prep:

MB Sample Id: 7698313-1-BLK LCS Sample Id: 7698313-1-BKS LCSD Sample Id: 7698313-1-BSD

LCS RPD MB Spike LCS LCSD Limits %RPD Units Analysis LCSD **Parameter** Result Amount Result %Rec Result %Rec Limit Date Gasoline Range Hydrocarbons (GRO) 1000 865 87 0 20 03.06.2020 13:12 <15.0 863 86 70-135 mg/kg 03.06.2020 13:12 70-135 20 mg/kg Diesel Range Organics (DRO) 1000 946 95 957 1 <15.0 96

MB LCSD Limits Units Analysis MB LCS LCS LCSD **Surrogate** %Rec Flag %Rec Flag Flag Date %Rec 03.06.2020 13:12 1-Chlorooctane 82 102 100 70-135 03.06.2020 13:12 o-Terphenyl 86 90 90 70-135 %

SW8015P Analytical Method: TPH by SW8015 Mod Prep Method:

Seq Number: 3118855 Matrix: Solid Date Prep: 03.06.2020

MB Sample Id: 7698313-1-BLK

MBUnits Analysis Flag **Parameter** Result Date 03.06.2020 12:54 Motor Oil Range Hydrocarbons (MRO) < 50.0 mg/kg

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P 3118855 Seq Number: Matrix: Soil Date Prep: 03.06.2020

Parent Sample Id: 654782-001 MS Sample Id: 654782-001 S MSD Sample Id: 654782-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	F
Gasoline Range Hydrocarbons (GRO)	<15.0	999	884	88	898	90	70-135	2	20	mg/kg	03.06.2020 14:08	
Diesel Range Organics (DRO)	<15.0	999	977	98	988	99	70-135	1	20	mg/kg	03.06.2020 14:08	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	105		108		70-135	%	03.06.2020 14:08
o-Terphenyl	94		99		70-135	%	03.06.2020 14:08

Received by	OCD: 4/29/2	020 12:00:00	51AM			_	Page 226 of 236
RELINQUISHED BY:(Signature)  LABORATORY:   (C)	RELINQUISHED BY:(Signature) RELINQUISHED BY:(Signature)	B (15)	B-1 (4b/) B-1 (5') B-1 (1b/)	6-3 (35) 6-3 (35)	83 (10') 83 (0') 83 (0')	TRRP report?  Time Zone: Time zone/State: Field Sample I.D.	AGISON & SOCIATES, Environmental Cor
ignature)	SX:(Signatute) BY:(Signature)				2/5/2	S=SOIL P= W=WATER SL A=AIR OT	es, Inc.
DATE/TIME	PATE/TIME  PATE/TIME	14.00 14.00 06.11	14.33	\$ 555 \$ 555	85.52 85.52 13.63 10.63	P=PAINT SL=SLUDGE OT=OTHER  te Time Matrix	
RECEIVED BY: (Signature)	RECEIVED BY: (Signature)					# of Containers  HCI HNO <sub>3</sub> H <sub>2</sub> SO <sub>4</sub> □ NaOH □ ICE UNPRESSERVED  # of Containers	507 N. Marienfeld, Ste. 200 Midland, TX 79701 432-687-0901
OTHER 1404/5 GARRIER BILL# HAND DELIVERED	RECEIVING TEMP:					Selection of the contract of t	DATE: 3/(0/20)  PO#:  PROJECT LOCATION OR NAME: POPROJECT LOCATION OR NAME: POPROJECT #: 19-0146-0

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	DATE/TIME	DATE/TIME	3/2 CJ													プジング	ガガ	20 II.3	Date Time			P=PAINT SL=SLUDGE OT=OTHER						
			B												-			3.5	Matrix						)/ I	E 0 7		
	RECEIVED BY: (Signature)	RÉCEIVED BY: (Signature)	RECEWED BY: (Si																# of Co HCI HNO <sub>3</sub> H <sub>2</sub> SO <sub>4</sub>			PRESERVATION		432-687-0901	50/ N. Marienteld, Ste. Midland, TX 79701			
	gnature)	gnature)	(Signature) 3															<b>メ</b>	ICE UNPRE	<i>•</i> .		ATION		901	d, Ste. 200 79701			
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#### **XENCO Laboratories**

#### Prelogin/Nonconformance Report- Sample Log-In

Client: Larson and Associates, Inc.

Acceptable Temperature Range: 0 - 6 degC

Date/ Time Received: 03.06.2020 09.50.00 AM

Air and Metal samples Acceptable Range: Ambient

Work Order #: 654782

Analyst:

Temperature Measuring device used: R9

	Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?		-1.5	
#2 *Shipping container in good condition?		Yes	
#3 *Samples received on ice?		Yes	
#4 *Custody Seals intact on shipping contain	ner/ cooler?	N/A	
#5 Custody Seals intact on sample bottles?		N/A	
#6*Custody Seals Signed and dated?		N/A	
#7 *Chain of Custody present?		Yes	
#8 Any missing/extra samples?		No	
#9 Chain of Custody signed when relinquish	ed/ received?	Yes	
#10 Chain of Custody agrees with sample la	bels/matrix?	Yes	
#11 Container label(s) legible and intact?		Yes	
#12 Samples in proper container/ bottle?		Yes	
#13 Samples properly preserved?		Yes	
#14 Sample container(s) intact?		Yes	
#15 Sufficient sample amount for indicated to	est(s)?	Yes	
#16 All samples received within hold time?		Yes	
#17 Subcontract of sample(s)?		N/A	
#18 Water VOC samples have zero headspa	ace?	N/A	

* Must be completed for	after-hours deliver	y of samples	prior to placii	ng in the refrigerator

Checklist completed by:	Afri	Date: <u>03.06.2020</u>
	Alexis Jaime	
Checklist reviewed by:	thely Taylor	Date: 03 09 2020

Holly Taylor

PH Device/Lot#:

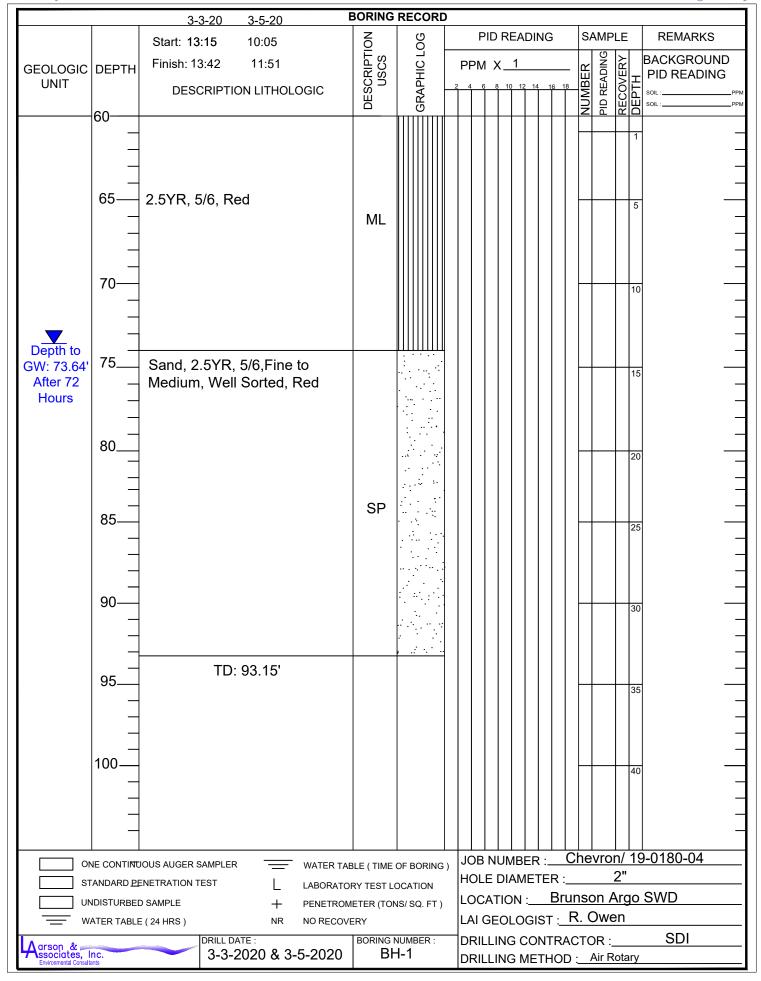
Appendix E

**Soil Boring Logs** 

					BORING	R	ECO	RD	)											
		Start: 14	1:20		NO		90			PI	DΙ	REA	۱D	NG		S	AMF	LE		REMARKS
GEOLOGIC	DEPTH	Finish: 14:40				DESCRIPTION USCS GRAPHIC LOG			Ρ	PPM X_1							PID READING	∃RY	DEPTH	BACKGROUND PID READING
UNIT		DESC	CRIPTION LI	THOLOGIC	SCF		APF	-	2	4 6 1 1	8	10 1	12 1	4 16	18	NUMBER	REA	lS S	PTH	SOIL:PPM
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				BORING	RECORD											
		Start: 13	3:50	NO	90		PID	R	EAC	ING	i	S	AMF	LE		REMARKS
GEOLOGIC	DEPTH	Finish: 1	4:15	DESCRIPTION USCS	GRAPHIC LOG	PP	M >	x_	1			ď	JING	ERY		BACKGROUND PID READING
UNIT		DESC	CRIPTION LITHOLOGIC	SCF	AP -	2 4	6 8	8 10	12	14 1	6 18	NUMBER	PID READING	SOVE	DEPTH	SOIL:PPM
	0	0:11 0	1 0 5 VD 5 (0 VV II		G. B.							Ž	문	REC		SOIL :PPM
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	_	Medium		SP												
	5 —													-	5	
	_		R, 8/2, Moderate													
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		E ( 24 HRS )	NR NO RECO			LA	LAI GEOLOGIST : R. Owen									
∆arson ,& ==			DRILL DATE :		NUMBER:								OR :			SDI
/ \SSOCIATES, In Environmental Consulta	riC.	Agrson & 3-5-2020				DR	DRILLING METHOD : Air Rotary									

		3-3	3-20	3-5-20	E		RECORD											
		Start: 13	:15	10:05		N O	90		PIE	RE	ΑC	DINC	3	S	AMP	LE	•	REMARKS
GEOLOGIC	DEPTH	Finish: 13	3:42	11:51		DESCRIPTION USCS	GRAPHIC LOG	PI	PM	X_1	1			ER	READING	/ERY	DEPTH	BACKGROUND PID READING
UNIT		DESC	CRIPTION	ON LITHOLO	GIC	ESC	\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \	2 4	6	8 10	12	14	16 18	NUMBER	RE/	00	Ē	SOIL :PPM
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Agrson & Sociates, I Environmental Consulta	nc. ants		3-3-2	2020 & 3-5	-2020	l Bl	H-1	DI	RILL	ING	М	ETH	HOD	<u>:_</u>	Air R	ota	ary	



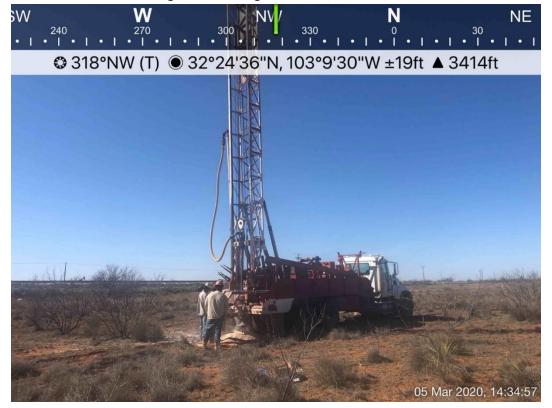
Appendix F

**Photographs** 

1RP-1295 Chevron USA, Inc. Brunson Argo Battery #1



Drilling BH-1, Viewing Northwest, March 3, 2020



Delineating Backfilled Excavation Area, Viewing Northwest, March 5, 2020

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720 District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division** 1220 S. St Francis Dr. **Santa Fe, NM 87505** 

CONDITIONS

Action 5199

#### CONDITIONS

Operator:	OGRID:
CHEVRON U S A INC	4323
6301 Deauville Blvd	Action Number:
Midland, TX 79706	5199
	Action Type:
	[C-141] Release Corrective Action (C-141)

#### CONDITIONS

Created By	Condition	Condition Date						
bbillings	None	9/24/2021						