BTA Oil Producers, LLC
104 S. Pecos
Midland,, Texas 79701
Office: (432) 682-3753 Fax: (432) 683-0325

November 20, 2009

Oil Conservation Division
1625 N. French Dr.
Hobbs, New Mexico 88210

Re: BTA 8705 JV-P GEM Battery

Dear Mr. Leking:

BTA Oil Producers, LLC is pleased to present this Remediation and Closure Report for the site known as BTA 8705 JV-P GEM Battery. The GEM Battery site is located in Lea County approximately six miles east of the intersection of NM 176 and US 62/180. This report describes the activities of September 10, 2009 to October 14, 2009. No other activities have taken place or are planned for this site.

Respectfully,

Joseph A. Baca, P.G.
BTA Oil Producers, LLC
Environmental Co-coordinator

Approved by:
Geoffrey Leking
NMOCD - Hobbs
12/16/10

SITE REMEDIATION AND CLOSURE REPORT

8705 JV-P GEM Battery
Unit "N", Section 2, Township 20 South and Range 33 East
6.0 miles northeast of the intersection of NM176 and US 62/180
Lea County, New Mexico
BTA Project Number: Env. 2009-050

Prepared for:
Oil Conservation Division
1625 N. French Dr.
Hobbs, New Mexico 88210

Prepared by:
BTA Oil Producers
104 S. Pecos
Midland, Texas 79701

October 2009

Joseph A. Baca, P.G
Environmental Coordinator

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1.0 INTRODUCTION

BTA Oil Producers (BTA) is pleased to submit this Site Remediation and Closure Report (SRCR) for the BTA GEM South Battery (GEM) remediation of the crude oil contaminated soil. The GEM (Project No. Env. 2009-050) site is located in Lea County approximately 6.0 miles northeast of the intersection of NM176 and US 62/180, Lea County, New Mexico. The GPS coordinates are N 32° 35.758' and W 103° 38.155'. A Site Location Map is provided as FIGURE 1.

According to BTA field personnel, on Saturday, September10, 2009 the pumper was making his rounds and went by the GEM South Battery and found that a check valve on the oil line from the treater to the circulating pump had failed. Upon further investigation it was found that one of the sides of the check valve had cracked and broke away causing the release. It was also found that approximately 30 barrels of crude oil was released, and approximately 5 barrels were recovered. A vacuum truck was dispatched from a nearby town and 25-barrels of oil were recovered and put back into the tank (Figure 2). The pumper immediately notified the BTA Oil Producers, LLC offices of the release. The release was verbally reported to the Oil Conservation Division (OCD) in Hobbs, New Mexico on September 10, 2009 and a New Mexico form C-141 was subsequently completed and submitted to the NMOCD on September 10, 2009. A copy of the C-141 is included with this report in the Appendices as Appendix A.

1.1 Purpose of Report

The purpose of this report is to document remediation activities and present supporting analytical data to the NMOCD requesting remediation of the referenced produced water release accordance with the applicable NMOCD cleanup guidelines for produced water releases.

2.0 SUMMARY OF FIELD ACTIVITIES

2.1 Impacted Soil Removal

After the roustabout crew completed repair activities related to the failed check valve, BTA, mobilized equipment to the site the morning of September 10, 2009. A backhoe, and two (2) belly dumps were utilized to remove the impacted soil to an approved disposal facility.

Visual and olfactory methods were used to delineate the impacted to the site. Excavated impacted soil from the release was removed and shipped to Lea Land, LLC Disposal Facility. This material included only impacted soil from the battery excavation, which measured approximately 80-feet long by approximately 30-feet wide by approximately 2.5-feet deep. A soil volume of approximately 222 yds^3, that included impacted battery soil was removed from the site and transported to an approved disposal site. Approximately 230 yds^3 of clean soil and caliche were trucked into the site and used to backfill the excavation.

2.2 Confirmation Soil Sampling – Excavated Area

Laboratory submitted samples were placed in a new sterile glass container, equipped with a Teflon-lined lid furnished by the laboratory. The samples were labeled, placed on ice, chilled to a temperature of approximately 4°C and transported to Trace Analysis, Inc in Midland, Texas for analysis of DRO (Mod. 8015B), GRO (S 8015B), BTEX (8021 B) and Chlorides (SM 4500-CI B). Appropriate chain-of-custody documentation and shipping protocols were followed.

On October 7, 2009 six (6) soil samples were collected from the walls and floor of the excavation. The samples were identified as BHSW-2, SSW-1, NW-3, BHSE-1, BHNM-3 and SNW-2. All samples collected were submitted to a laboratory for DRO, GRO, BTEX and Chloride analysis. A second

sampling event was schedule, because the samples identified as NW-3, BHSW-2 and BHN-3 were found to be above regulatory limits

On October 9, 2009 three (3) soil samples were collected from the walls and floor of the excavation. The samples were identified as NW-3 #2, BHSW-2 #2 and BHN-2 #2. All samples collected were submitted to a laboratory for Chloride analysis.

2.3 Analytical Results

On October 8, 2009 results were received and it was found that DRO, GRO, BTEX concentrations in the samples identified BHSW-2, SSW-1, NW-3, BHSE-1, BHNM-3 and SNW-2 were found to be below regulatory limits. The Chlorides analysis indicated that the samples identified as NW-3 #2, BHSW-2 #2 and BHN-3 #2 were found above regulatory limits.

On October 12, 2009 results were received and it was found that Chloride concentrations in the samples identified NW-2 #2; BHSW-2 #2 and BHN-3 #2 were found to be below regulatory limits.

2.4 SITE RESTORATION

Based on the confirmation soil samples collected from the site and analytical results of those samples and the written approval from the New Mexico Oil Conservation Division in Hobbs, the site was deemed clean, and was backfilled and the site was restored to its original condition.

3.0 SUMMARY AND REQUEST FOR CLOSURE

Based on the laboratory analyzed confirmation soil samples collected from the site, impacted soil was removed, properly disposed at an approved disposal facility. The site was remediated to below applicable regulatory clean up levels. Consequently, no further action is recommended or planned for the site at this time. BTA requests that the OCD grant closure to the GEM Battery release of crude oil and produced water of September 10, 2009.

4.0 LIMITATIONS

BTA has prepared this Site Closure Report to the best of its ability. No other warranty, expressed or implied, is made or intended. BTA has examined and relied upon documents referenced in the report and on oral statements made by certain individuals. BTA has not conducted an independent examination of the facts contained in referenced materials and statements. We have presumed the genuineness of the documents and that the information provided in documents or statements is true and accurate. BTA has prepared this report in a professional manner, using a degree of skill and care. BTA also notes that the facts and conditions referenced in this report may change over time and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.

This report has been prepared by BTA. The information contained in this report including all exhibits and attachments may not be used by any other party without the express written consent of BTA.

5.0 DISTRIBUTION

Site Remediation and Closure Report
BTA Oil Producers, LLC
Gem Battery
Lea County, New Mexico
BTA Project No. Env. 2008-050

Copies 1-2
Oil Conservation Division (OCD)
1625 N. French Dr.
Hobbs, New Mexico 88210

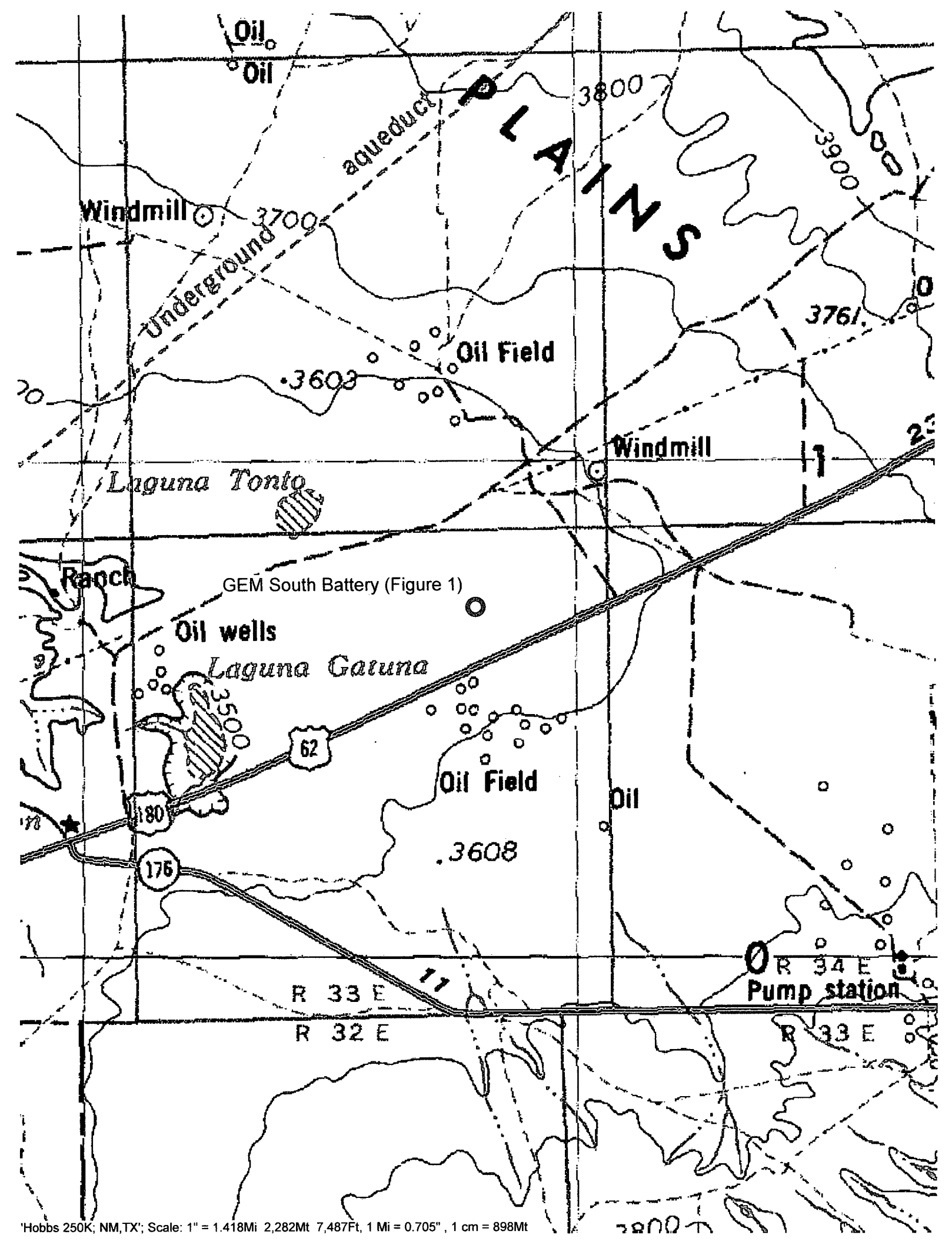
Copy 3
BTA Central File

COPY # _____

ATTACHMENTS

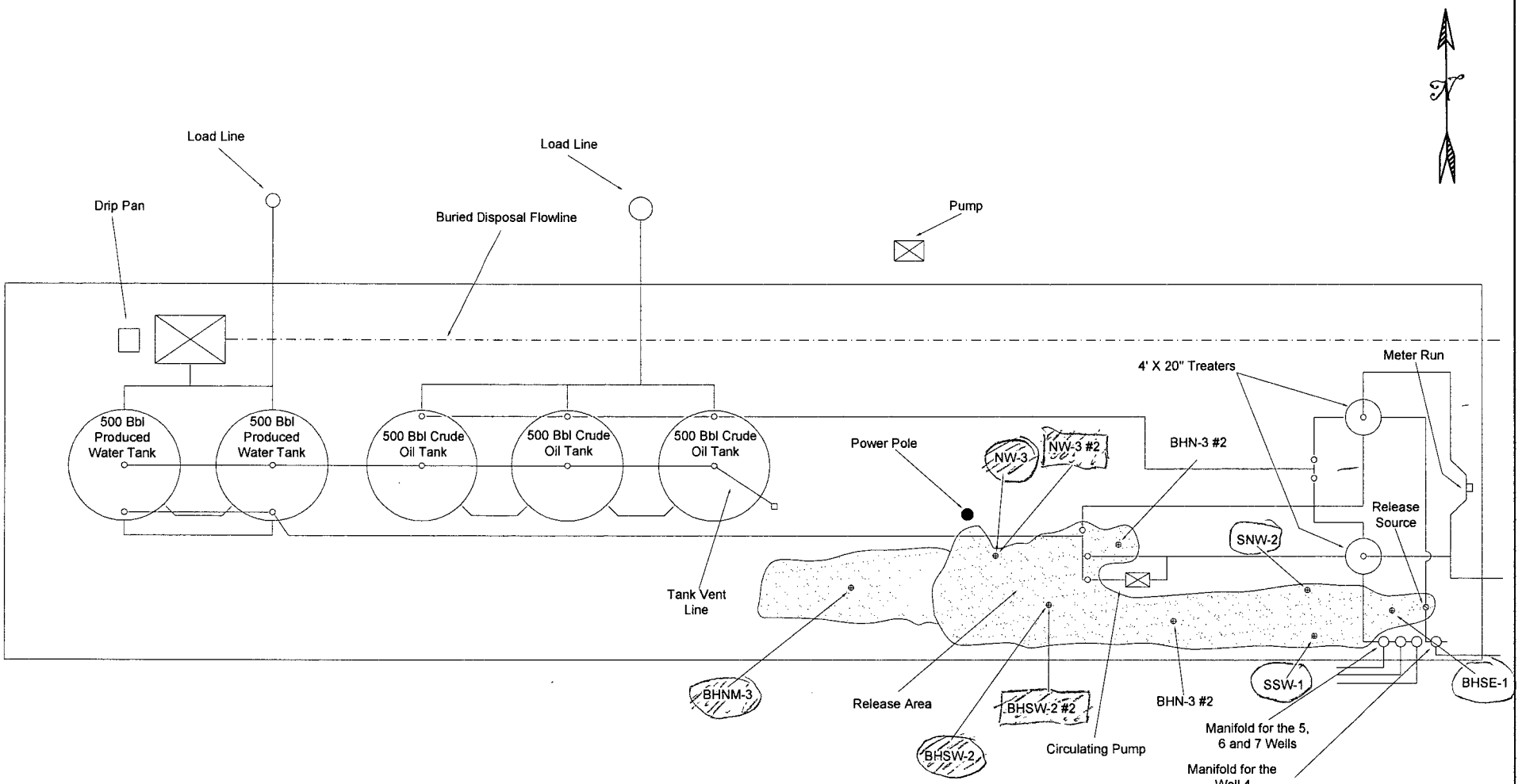
FIGURES

Figure 1



'Hobbs 250K; NM,TX'; Scale: 1" = 1.418Mi 2,282Mt 7,487Ft, 1 Mi = 0.705" , 1 cm = 898Mt

Figure 2



NOT DRAWN TO SCALE

BTA	
Revision	
0	09/14/2009

BTA Oil Producers
(Midland, Texas)

BTA Oil Producers JV-P 8705,
GEM South Tank Battery
(Figure 2)

Section 2, T20S, R33E
Lea County, New Mexico

Scale: None
Drawn by: jab

Date: 09.14.2009
Checked by: jab

TABLES

Table I

Sidewall and Floor Soil TPH Analytical Results
Sidewall and Floor Soil BTEX Analysis
BTA - GEM Battery - Lea County, New Mexico
BTA Project Number Env. 2009-050

			Analytical Methods						
			8015		8021B				4500
SAMPLE DATE	SAMPLE IDENTIFICATION	TOTAL TPH	DRO mg/Kg	GRO mg/Kg	BENZENE mg/Kg	TOLUENE mg/Kg	ETHYLBENZENE mg/Kg	XYLENE mg/Kg	Chlorides
Excavation									
10/7/2009	BHSW-2	<51.0	<50.0	<1.00	<0.0100	<0.0100	<0.0100	<0.0100	**513**
10/7/2009	SSW-1	<51.0	<50.0	<1.00	<0.0100	<0.0100	<0.0100	<0.0100	<200
10/7/2009	NW-3	65.5	65.5	<1.00	<0.0100	<0.0100	<0.0100	<0.0100	**1,550**
10/7/2009	BHSE-1	<51.0	<50.0	<1.00	<0.0100	<0.0100	<0.0100	<0.0100	<200
10/7/2009	BHNM-3	<51.0	<50.0	<1.00	<0.0100	<0.0100	<0.0100	<0.0100	**1,410**
10/7/2009	SNW-2	<51.0	<50.0	<1.00	<0.0100	<0.0100	<0.0100	<0.0100	<200
10/9/2009	NW-3 #2	NA	NA	NA	NA	NA	NA	NA	<200
10/9/2009	BHSW-2 #2	NA	NA	NA	NA	NA	NA	NA	244
10/9/2009	BHN-3 #2	NA	NA	NA	NA	NA	NA	NA	306

Note: Values in bold are outside regulatory limits

APPENDICES

Appendix A

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

State of New Mexico
Energy Minerals and Natural Resources

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

RECEIVED
NOV 20 2009
HOBBSOCD

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

☒ Initial Report ☐ Final Report

Name of Company BTA Oil Producers LLC	Contact Skip Baca
Address 104 S Pecos, Midland, TX 79701	Telephone No. 432-682-3753
Facility Name Gem, 8705 JV-P Battery	Facility Type Tank Battery

Surface Owner State (Ken Smith, Grazing)	Mineral Owner State	Lease No. V-2199

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
C	2	20S	33E	660	North	2310	West	Lea

Latitude_____ **Longitude**_____

NATURE OF RELEASE

Type of Release Minor	Volume of Release 30 bbls	Volume Recovered 25 bbls
Source of Release Broken Valve	Date and Hour of Occurrence 10:30 a.m. 09/10/2009	Date and Hour of Discovery 10:30 a.m. 09/10/2009
Was Immediate Notice Given? Did not have details ☐ Yes ☒ No ☐ Not Required	If YES, To Whom? Larry Johnson, voice msg, Hobbs District office	
By Whom? Pam Inskeep	Date and Hour 7:45 a.m. 09/11/2009	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse. N/A	

If a Watercourse was Impacted, Describe Fully.*

N/A

Describe Cause of Problem and Remedial Action Taken.*

Broken valve on circulating pump. Turned off pump. Replaced valve.
Vacuum truck recovered 25 bbls of oil, returned to tank.

Describe Area Affected and Cleanup Action Taken.*

Affected area is inside dike. Will remove affected soil and dispose of at Leeland. Will replace with clean soil.

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

Signature: Pam Inskeep	OIL CONSERVATION DIVISION	
Printed Name: Pam Inskeep	Approved by District Supervisor:	
Title: Regulatory Administrator	Approval Date:	Expiration Date:
E-mail Address: pinskeep@btaoil.com	Conditions of Approval:	Attached ☐
Date: 09/11/2009 Phone: 432-682-3753		

* Attach Additional Sheets If Necessary

Appendix B

Summary Report

Ron Rounsaville
Nova Safety & Environmental
2057 Commerce St.
Midland, TX 79703

Report Date: October 8, 2009

Work Order: 9100723

Project Location: Hobbs, NM
Project Name: BTA Gem Battery
Project Number: BTA

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
211844	BHSW-2	soil	2009-10-06	14:42	2009-10-07
211845	SSW-1	soil	2009-10-06	14:40	2009-10-07
211846	NW-3	soil	2009-10-06	14:35	2009-10-07
211847	BHSE-1	soil	2009-10-06	14:48	2009-10-07
211848	BHNM-3	soil	2009-10-06	14:55	2009-10-07
211849	SNW-2	soil	2009-10-06	14:45	2009-10-07

	BTEX				TPH DRO	TPH GRO
Sample - Field Code	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylene (mg/Kg)	DRO (mg/Kg)	GRO (mg/Kg)
211844 - BHSW-2	<0.0100	<0.0100	<0.0100	<0.0100	<50.0	<1.00
211845 - SSW-1	<0.0100	<0.0100	<0.0100	<0.0100	<50.0	<1.00
211846 - NW-3	<0.0100	<0.0100	<0.0100	<0.0100	**65.5**	<1.00
211847 - BHSE-1	<0.0100	<0.0100	<0.0100	<0.0100	<50.0	<1.00
211848 - BHNM-3	<0.0100	<0.0100	<0.0100	<0.0100	<50.0	<1.00
211849 - SNW-2	<0.0100	<0.0100	<0.0100	<0.0100	<50.0	<1.00

Sample: 211844 - BHSW-2

Param	Flag	Result	Units	RL
Chloride		**513**	mg/Kg	4.00

Sample: 211845 - SSW-1

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 211846 - NW-3

Param	Flag	Result	Units	RL
Chloride		**1550**	mg/Kg	4.00

Sample: 211847 - BHSE-1

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 211848 - BHNM-3

Param	Flag	Result	Units	RL
Chloride		**1410**	mg/Kg	4.00

Sample: 211849 - SNW-2

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

TRACEANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
200 East Sunset Road, Suite E El Paso, Texas 79922 888•588•3443 915•585•3443 FAX 915•585•4944
5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313
6015 Harris Parkway, Suite 110 Ft. Worth, Texas 76132 817•201•5260
E-Mail: lab@traceanalysis.com

Certifications

WBENC: 237019 **HUB:** 1752439743100-86536 **DBE:** VN 20657
NCTRCA WFWB38444Y0909

NELAP Certifications

Lubbock: T104704219-08-TX LELAP-02003 Kansas E-10317 **El Paso:** T104704221-08-TX LELAP-02002 **Midland:** T104704392-08-TX

Analytical and Quality Control Report

Ron Rounsaville
Nova Safety & Environmental
2057 Commerce St.
Midland, TX, 79703

Report Date: October 8, 2009

Work Order: 9100723

Project Location: Hobbs, NM
Project Name: BTA Gem Battery
Project Number: BTA

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
211844	BHSW-2	soil	2009-10-06	14:42	2009-10-07
211845	SSW-1	soil	2009-10-06	14:40	2009-10-07
211846	NW-3	soil	2009-10-06	14:35	2009-10-07
211847	BHSE-1	soil	2009-10-06	14:48	2009-10-07
211848	BHNM-3	soil	2009-10-06	14:55	2009-10-07
211849	SNW-2	soil	2009-10-06	14:45	2009-10-07

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 19 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director
Dr. Michael Abel, Project Manager

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project BTA Gem Battery were received by TraceAnalysis, Inc. on 2009-10-07 and assigned to work order 9100723. Samples for work order 9100723 were received intact at a temperature of 6.4 deg. C.

Samples were analyzed for the following tests using their respective methods.

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
BTEX	S 8021B	54881	2009-10-07 at 15:00	64265	2009-10-07 at 13:15
Chloride (Titration)	SM 4500-Cl B	54886	2009-10-07 at 16:15	64270	2009-10-08 at 09:15
TPH DRO	Mod. 8015B	54883	2009-10-07 at 10:33	64267	2009-10-07 at 10:33
TPH GRO	S 8015B	54881	2009-10-07 at 15:00	64266	2009-10-07 at 13:42

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 9100723 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 211844 - BHSW-2

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	64265	Date Analyzed:	2009-10-07	Analyzed By:	AG
Prep Batch:	54881	Sample Preparation:	2009-10-07	Prepared By:	AG

Parameter	Flag	Result	RL	Units	Dilution	RL
Benzene		<0.0100		mg/Kg	1	0.0100
Toluene		<0.0100		mg/Kg	1	0.0100
Ethylbenzene		<0.0100		mg/Kg	1	0.0100
Xylene		<0.0100		mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.69	mg/Kg	1	2.00	84	64.4 - 111.2
4-Bromofluorobenzene (4-BFB)		1.71	mg/Kg	1	2.00	86	43.1 - 128.4

Sample: 211844 - BHSW-2

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	64270	Date Analyzed:	2009-10-08	Analyzed By:	AR
Prep Batch:	54886	Sample Preparation:	2009-10-07	Prepared By:	AR

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**513**		mg/Kg	50	4.00

Sample: 211844 - BHSW-2

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	64267	Date Analyzed:	2009-10-07	Analyzed By:	kg
Prep Batch:	54883	Sample Preparation:	2009-10-07	Prepared By:	kg

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO		<50.0		mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		128	mg/Kg	1	100	128	13.2 - 219.3

Sample: 211844 - BHSW-2

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	64266	Date Analyzed:	2009-10-07	Analyzed By:	AG
Prep Batch:	54881	Sample Preparation:	2009-10-07	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		<1.00	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.85	mg/Kg	1	2.00	92	65.3 - 109.9
4-Bromofluorobenzene (4-BFB)		1.83	mg/Kg	1	2.00	92	61.7 - 119.9

Sample: 211845 - SSW-1

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	64265	Date Analyzed:	2009-10-07	Analyzed By:	AG
Prep Batch:	54881	Sample Preparation:	2009-10-07	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.79	mg/Kg	1	2.00	90	64.4 - 111.2
4-Bromofluorobenzene (4-BFB)		1.83	mg/Kg	1	2.00	92	43.1 - 128.4

Sample: 211845 - SSW-1

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	64270	Date Analyzed:	2009-10-08	Analyzed By:	AR
Prep Batch:	54886	Sample Preparation:	2009-10-07	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		<200	mg/Kg	50	4.00

Sample: 211845 - SSW-1

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	64267	Date Analyzed:	2009-10-07	Analyzed By:	kg
Prep Batch:	54883	Sample Preparation:	2009-10-07	Prepared By:	kg

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		116	mg/Kg	1	100	116	13.2 - 219.3

Sample: 211845 - SSW-1

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	64266	Date Analyzed:	2009-10-07	Analyzed By:	AG
Prep Batch:	54881	Sample Preparation:	2009-10-07	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		<1.00	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.99	mg/Kg	1	2.00	100	65.3 - 109.9
4-Bromofluorobenzene (4-BFB)		1.94	mg/Kg	1	2.00	97	61.7 - 119.9

Sample: 211846 - NW-3

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	64265	Date Analyzed:	2009-10-07	Analyzed By:	AG
Prep Batch:	54881	Sample Preparation:	2009-10-07	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.82	mg/Kg	1	2.00	91	64.4 - 111.2
4-Bromofluorobenzene (4-BFB)		1.84	mg/Kg	1	2.00	92	43.1 - 128.4

Sample: 211846 - NW-3

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	64270	Date Analyzed:	2009-10-08	Analyzed By:	AR
Prep Batch:	54886	Sample Preparation:	2009-10-07	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**1550**	mg/Kg	50	4.00

Sample: 211846 - NW-3

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	64267	Date Analyzed:	2009-10-07	Analyzed By:	kg
Prep Batch:	54883	Sample Preparation:	2009-10-07	Prepared By:	kg

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**65.5**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		126	mg/Kg	1	100	126	13.2 - 219.3

Sample: 211846 - NW-3

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	64266	Date Analyzed:	2009-10-07	Analyzed By:	AG
Prep Batch:	54881	Sample Preparation:	2009-10-07	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		<1.00	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.00	mg/Kg	1	2.00	100	65.3 - 109.9
4-Bromofluorobenzene (4-BFB)		1.96	mg/Kg	1	2.00	98	61.7 - 119.9

Sample: 211847 - BHSE-1

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	64265	Date Analyzed:	2009-10-07	Analyzed By:	AG
Prep Batch:	54881	Sample Preparation:	2009-10-07	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.77	mg/Kg	1	2.00	88	64.4 - 111.2
4-Bromofluorobenzene (4-BFB)		1.79	mg/Kg	1	2.00	90	43.1 - 128.4

Sample: 211847 - BHSE-1

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	64270	Date Analyzed:	2009-10-08	Analyzed By:	AR
Prep Batch:	54886	Sample Preparation:	2009-10-07	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		<200	mg/Kg	50	4.00

Sample: 211847 - BHSE-1

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	64267	Date Analyzed:	2009-10-07	Analyzed By:	kg
Prep Batch:	54883	Sample Preparation:	2009-10-07	Prepared By:	kg

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		122	mg/Kg	1	100	122	13.2 - 219.3

Sample: 211847 - BHSE-1

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	64266	Date Analyzed:	2009-10-07	Analyzed By:	AG
Prep Batch:	54881	Sample Preparation:	2009-10-07	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		<1.00	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.96	mg/Kg	1	2.00	98	65.3 - 109.9
4-Bromofluorobenzene (4-BFB)		1.90	mg/Kg	1	2.00	95	61.7 - 119.9

Sample: 211848 - BHNM-3

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	64265	Date Analyzed:	2009-10-07	Analyzed By:	AG
Prep Batch:	54881	Sample Preparation:	2009-10-07	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.72	mg/Kg	1	2.00	86	64.4 - 111.2
4-Bromofluorobenzene (4-BFB)		1.74	mg/Kg	1	2.00	87	43.1 - 128.4

Sample: 211848 - BHNM-3

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	64270	Date Analyzed:	2009-10-08	Analyzed By:	AR
Prep Batch:	54886	Sample Preparation:	2009-10-07	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**1410**	mg/Kg	50	4.00

Sample: 211848 - BHNM-3

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	64267	Date Analyzed:	2009-10-07	Analyzed By:	kg
Prep Batch:	54883	Sample Preparation:	2009-10-07	Prepared By:	kg

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		113	mg/Kg	1	100	113	13.2 - 219.3

Sample: 211848 - BHNM-3

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	64266	Date Analyzed:	2009-10-07	Analyzed By:	AG
Prep Batch:	54881	Sample Preparation:	2009-10-07	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		<1.00	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.90	mg/Kg	1	2.00	95	65.3 - 109.9
4-Bromofluorobenzene (4-BFB)		1.86	mg/Kg	1	2.00	93	61.7 - 119.9

Sample: 211849 - SNW-2

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	64265	Date Analyzed:	2009-10-07	Analyzed By:	AG
Prep Batch:	54881	Sample Preparation:	2009-10-07	Prepared By:	AG

Parameter	Flag	Result	RL	Units	Dilution	RL
Benzene		<0.0100		mg/Kg	1	0.0100
Toluene		<0.0100		mg/Kg	1	0.0100
Ethylbenzene		<0.0100		mg/Kg	1	0.0100
Xylene		<0.0100		mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.74	mg/Kg	1	2.00	87	64.4 - 111.2
4-Bromofluorobenzene (4-BFB)		1.76	mg/Kg	1	2.00	88	43.1 - 128.4

Sample: 211849 - SNW-2

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	64270	Date Analyzed:	2009-10-08	Analyzed By:	AR
Prep Batch:	54886	Sample Preparation:	2009-10-07	Prepared By:	AR

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		<200		mg/Kg	50	4.00

Sample: 211849 - SNW-2

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	64267	Date Analyzed:	2009-10-07	Analyzed By:	kg
Prep Batch:	54883	Sample Preparation:	2009-10-07	Prepared By:	kg

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		117	mg/Kg	1	100	117	13.2 - 219.3

Sample: 211849 - SNW-2

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	64266	Date Analyzed:	2009-10-07	Analyzed By:	AG
Prep Batch:	54881	Sample Preparation:	2009-10-07	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		<1.00	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.92	mg/Kg	1	2.00	96	65.3 - 109.9
4-Bromofluorobenzene (4-BFB)		1.85	mg/Kg	1	2.00	92	61.7 - 119.9

Method Blank (1) QC Batch: 64265

QC Batch:	64265	Date Analyzed:	2009-10-07	Analyzed By:	AG
Prep Batch:	54881	QC Preparation:	2009-10-07	Prepared By:	AG

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.00410	mg/Kg	0.01
Toluene		<0.00310	mg/Kg	0.01
Ethylbenzene		<0.00240	mg/Kg	0.01
Xylene		<0.00650	mg/Kg	0.01

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.75	mg/Kg	1	2.00	88	64.9 - 122.7
4-Bromofluorobenzene (4-BFB)		1.67	mg/Kg	1	2.00	84	43.9 - 121.9

Method Blank (1) QC Batch: 64266

QC Batch: 64266 | Date Analyzed: 2009-10-07 | Analyzed By: AG
Prep Batch: 54881 | QC Preparation: 2009-10-07 | Prepared By: AG

Parameter	Flag	MDL Result	Units	RL
GRO		<0.396	mg/Kg	1

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.95	mg/Kg	1	2.00	98	66.2 - 125
4-Bromofluorobenzene (4-BFB)		1.83	mg/Kg	1	2.00	92	62 - 120.5

Method Blank (1) QC Batch: 64267

QC Batch: 64267 | Date Analyzed: 2009-10-07 | Analyzed By: kg
Prep Batch: 54883 | QC Preparation: 2009-10-07 | Prepared By: kg

Parameter	Flag	MDL Result	Units	RL
DRO		<5.86	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		120	mg/Kg	1	100	120	13 - 178.5

Method Blank (1) QC Batch: 64270

QC Batch: 64270 | Date Analyzed: 2009-10-08 | Analyzed By: AR
Prep Batch: 54886 | QC Preparation: 2009-10-07 | Prepared By: AR

Parameter	Flag	MDL Result	Units	RL
Chloride		<2.18	mg/Kg	4

Laboratory Control Spike (LCS-1)

QC Batch: 64265 | Date Analyzed: 2009-10-07 | Analyzed By: AG
Prep Batch: 54881 | QC Preparation: 2009-10-07 | Prepared By: AG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	2.03	mg/Kg	1	2.00	<0.00410	102	75.4 - 115.7
Toluene	1.99	mg/Kg	1	2.00	<0.00310	100	78.4 - 113.6
Ethylbenzene	1.89	mg/Kg	1	2.00	<0.00240	94	76 - 114.2
Xylene	5.72	mg/Kg	1	6.00	<0.00650	95	76.9 - 113.6

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	2.09	mg/Kg	1	2.00	<0.00410	104	75.4 - 115.7	3	20
Toluene	2.06	mg/Kg	1	2.00	<0.00310	103	78.4 - 113.6	3	20
Ethylbenzene	1.98	mg/Kg	1	2.00	<0.00240	99	76 - 114.2	5	20
Xylene	6.00	mg/Kg	1	6.00	<0.00650	100	76.9 - 113.6	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.77	1.77	mg/Kg	1	2.00	88	88	65 - 122.9
4-Bromofluorobenzene (4-BFB)	1.87	1.87	mg/Kg	1	2.00	94	94	43.8 - 124.9

Laboratory Control Spike (LCS-1)

QC Batch: 64266 | Date Analyzed: 2009-10-07 | Analyzed By: AG
Prep Batch: 54881 | QC Preparation: 2009-10-07 | Prepared By: AG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	17.8	mg/Kg	1	20.0	<0.396	89	52.5 - 114.3

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	18.9	mg/Kg	1	20.0	<0.396	94	52.5 - 114.3	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	2.00	2.00	mg/Kg	1	2.00	100	100	66.2 - 128.7
4-Bromofluorobenzene (4-BFB)	1.94	1.96	mg/Kg	1	2.00	97	98	64.1 - 127.4

Laboratory Control Spike (LCS-1)

QC Batch: 64267 | Date Analyzed: 2009-10-07 | Analyzed By: kg
Prep Batch: 54883 | QC Preparation: 2009-10-07 | Prepared By: kg

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	190	mg/Kg	1	250	<5.86	76	57.4 - 133.4

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	190	mg/Kg	1	250	<5.86	76	57.4 - 133.4	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Triacontane	82.8	84.3	mg/Kg	1	100	83	84	48.5 - 146.7

Laboratory Control Spike (LCS-1)

QC Batch: 64270 | Date Analyzed: 2009-10-08 | Analyzed By: AR
Prep Batch: 54886 | QC Preparation: 2009-10-07 | Prepared By: AR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	98.4	mg/Kg	1	100	<2.18	98	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	99.8	mg/Kg	1	100	<2.18	100	85 - 115	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 211757

QC Batch: 64265 | Date Analyzed: 2009-10-07 | Analyzed By: AG
Prep Batch: 54881 | QC Preparation: 2009-10-07 | Prepared By: AG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	1.91	mg/Kg	1	2.00	<0.00410	96	57.7 - 140.7
Toluene	1.90	mg/Kg	1	2.00	<0.00310	95	53.4 - 146.6
Ethylbenzene	1.86	mg/Kg	1	2.00	<0.00240	93	62.1 - 141.6
Xylene	5.62	mg/Kg	1	6.00	<0.00650	94	61.2 - 142.7

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

continued ...

matrix spikes continued ...

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	2.00	mg/Kg	1	2.00	<0.00410	100	57.7 - 140.7	5	20
Toluene	2.00	mg/Kg	1	2.00	<0.00310	100	53.4 - 146.6	5	20
Ethylbenzene	1.98	mg/Kg	1	2.00	<0.00240	99	62.1 - 141.6	6	20
Xylene	6.03	mg/Kg	1	6.00	<0.00650	100	61.2 - 142.7	7	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.78	1.76	mg/Kg	1	2	89	88	62.7 - 119.6
4-Bromofluorobenzene (4-BFB)	1.89	1.88	mg/Kg	1	2	94	94	49.6 - 136.7

Matrix Spike (MS-1) Spiked Sample: 211757

QC Batch: 64266 | Date Analyzed: 2009-10-07 | Analyzed By: AG
Prep Batch: 54881 | QC Preparation: 2009-10-07 | Prepared By: AG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	16.3	mg/Kg	1	20.0	<0.396	82	10 - 198.3

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	17.0	mg/Kg	1	20.0	<0.396	85	10 - 198.3	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.91	1.97	mg/Kg	1	2	96	98	65.5 - 123
4-Bromofluorobenzene (4-BFB)	1.98	2.03	mg/Kg	1	2	99	102	58.6 - 140

Matrix Spike (MS-1) Spiked Sample: 211747

QC Batch: 64267 | Date Analyzed: 2009-10-07 | Analyzed By: kg
Prep Batch: 54883 | QC Preparation: 2009-10-07 | Prepared By: kg

continued ...

matrix spikes continued ...

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	204	mg/Kg	1	250	<5.86	82	35.2 - 167.1

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	228	mg/Kg	1	250	<5.86	91	35.2 - 167.1	11	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Triacontane	87.4	92.5	mg/Kg	1	100	87	92	34.5 - 178.4

Matrix Spike (MS-1) Spiked Sample: 211849

QC Batch: 64270 | Date Analyzed: 2009-10-08 | Analyzed By: AR
Prep Batch: 54886 | QC Preparation: 2009-10-07 | Prepared By: AR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	9940	mg/Kg	100	10000	<218	98	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	10000	mg/Kg	100	10000	<218	99	85 - 115	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (CCV-1)

QC Batch: 64265 | Date Analyzed: 2009-10-07 | Analyzed By: AG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0985	98	80 - 120	2009-10-07
Toluene		mg/Kg	0.100	0.0983	98	80 - 120	2009-10-07
Ethylbenzene		mg/Kg	0.100	0.0931	93	80 - 120	2009-10-07
Xylene		mg/Kg	0.300	0.286	95	80 - 120	2009-10-07

Standard (CCV-2)

QC Batch: 64265 Date Analyzed: 2009-10-07 Analyzed By: AG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0996	100	80 - 120	2009-10-07
Toluene		mg/Kg	0.100	0.0983	98	80 - 120	2009-10-07
Ethylbenzene		mg/Kg	0.100	0.0929	93	80 - 120	2009-10-07
Xylene		mg/Kg	0.300	0.280	93	80 - 120	2009-10-07

Standard (CCV-1)

QC Batch: 64266 Date Analyzed: 2009-10-07 Analyzed By: AG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	1.19	119	80 - 120	2009-10-07

Standard (CCV-2)

QC Batch: 64266 Date Analyzed: 2009-10-07 Analyzed By: AG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.991	99	80 - 120	2009-10-07

Standard (CCV-2)

QC Batch: 64267 Date Analyzed: 2009-10-07 Analyzed By: kg

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	268	107	80 - 120	2009-10-07

Standard (CCV-3)

QC Batch: 64267 Date Analyzed: 2009-10-07 Analyzed By: kg

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	268	107	80 - 120	2009-10-07

Standard (CCV-4)

QC Batch: 64267 Date Analyzed: 2009-10-07 Analyzed By: kg

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	264	106	80 - 120	2009-10-07

Standard (ICV-1)

QC Batch: 64270 Date Analyzed: 2009-10-08 Analyzed By: AR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	100	100	85 - 115	2009-10-08

Standard (CCV-1)

QC Batch: 64270 Date Analyzed: 2009-10-08 Analyzed By: AR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	99.8	100	85 - 115	2009-10-08

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Company Name: 2057 Commerce — Phone #:

Address: (Street, City, Zip) — Fax #:

Contact Person: Ron Ramsville — E-mail:

Invoice to: (If different from above) BTA Skip Baca — BTA GEM Battery

Project #: BTA — Project Name:

Project Location (including state): Hobbs, NM — Sampler Signature:

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME	MTBE 8021 / 602 / 8260 / 624	BTEX 8021 / 602 / 8260 / 624	TPH TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270 / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260 / 624	GC/MS Semi. Vol. 8270 / 625	PCB's 8082 / 608	Pesticides 8081 / 608	BOD, TSS, pH	Moisture Content	Chloride					Turn Around Time if different from standard	Hold
21184	BHSW-2	1	4oz		X							X	X	10/6/09	2:42	X		X	X													X	X					
845	SSW-1	1	4oz		X							X	X	10/6/09	2:40	X			X													X	X					
846	NW-3	1	4oz		X							X	X	10/6/09	2:35	X			X													X	X					
847	BHSE-1	1	4oz		X							X	X	10/6/09	2:48	X			X													X	X					
848	BHNM-3	1	4oz		X							X	X	10/6/09	2:55	X			X													X	X					
849	SNW-2	1	4oz		X							X	X	10/6/09	2:45	X			X													X	X					

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	
Michael Owen	NOVA	10-7-09	7:13 A.M.	Brian Bay	Nova	10/7/09	7:13	INST ____ OBS ____ °C COR ____ °C
Brian Bay	Nova	10-7-09	3:25	[illegible]	Trace	10/7/09	15:25	INST ____ OBS 6.4 °C COR ____ °C
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	INST ____ OBS ____ °C COR ____ °C

LAB USE ONLY

Intact Y / N

Headspace Y / N / NA

Log-in-Review

REMARKS: Direct Bill BTA Please Rush

- Dry Weight Basis Required
- TRRP Report Required
- Check If Special Reporting Limits Are Needed

Carrier # Carry-in

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

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Summary Report

Ron Rounsaville
Nova Safety & Environmental
2057 Commerce St.
Midland, TX 79703

Report Date: October 12, 2009

Work Order: 9100917

Project Location: Hobbs, NM
Project Name: BTA Gem Battery
Project Number: BTA

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
212057	NW-3 #2	soil	2009-10-09	08:50	2009-10-09
212058	BHSW-2 #2	soil	2009-10-09	08:15	2009-10-09
212059	BHN-3 #2	soil	2009-10-09	08:45	2009-10-09

Sample: 212057 - NW-3 #2

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 212058 - BHSW-2 #2

Param	Flag	Result	Units	RL
Chloride		**244**	mg/Kg	4.00

Sample: 212059 - BHN-3 #2

Param	Flag	Result	Units	RL
Chloride		**306**	mg/Kg	4.00

TRACEANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
200 East Sunset Road, Suite E El Paso, Texas 79922 888•588•3443 915•585•3443 FAX 915•585•4944
5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313
6015 Harris Parkway, Suite 110 Ft. Worth, Texas 76132 817•201•5260
E-Mail: lab@traceanalysis.com

Certifications

WBENC: 237019 **HUB:** 1752439743100-86536 **DBE:** VN 20657
NCTRCA WFWB38444Y0909

NELAP Certifications

Lubbock: T104704219-08-TX LELAP-02003 Kansas E-10317 **El Paso:** T104704221-08-TX LELAP-02002 **Midland:** T104704392-08-TX

Analytical and Quality Control Report

Ron Rounsaville
Nova Safety & Environmental
2057 Commerce St.
Midland, TX, 79703

Report Date: October 12, 2009

Work Order: 9100917

Project Location: Hobbs, NM
Project Name: BTA Gem Battery
Project Number: BTA

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
212057	NW-3 #2	soil	2009-10-09	08:50	2009-10-09
212058	BHSW-2 #2	soil	2009-10-09	08:15	2009-10-09
212059	BHN-3 #2	soil	2009-10-09	08:45	2009-10-09

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

Dr. Blair Leftwich, Director
Dr. Michael Abel, Project Manager

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project BTA Gem Battery were received by TraceAnalysis, Inc. on 2009-10-09 and assigned to work order 9100917. Samples for work order 9100917 were received intact at a temperature of 6.3 deg. C.

Samples were analyzed for the following tests using their respective methods.

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
Chloride (Titration)	SM 4500-Cl B	54856	2009-10-07 at 12:25	64336	2009-10-09 at 16:14

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 9100917 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 212057 - NW-3 #2

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	64336	Date Analyzed:	2009-10-09	Analyzed By:	AR
Prep Batch:	54856	Sample Preparation:	2009-10-09	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		<200	mg/Kg	50	4.00

Sample: 212058 - BHSW-2 #2

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	64336	Date Analyzed:	2009-10-09	Analyzed By:	AR
Prep Batch:	54856	Sample Preparation:	2009-10-09	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**244**	mg/Kg	50	4.00

Sample: 212059 - BHN-3 #2

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	64336	Date Analyzed:	2009-10-09	Analyzed By:	AR
Prep Batch:	54856	Sample Preparation:	2009-10-09	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**306**	mg/Kg	50	4.00

Method Blank (1) QC Batch: 64336

QC Batch:	64336	Date Analyzed:	2009-10-09	Analyzed By:	AR
Prep Batch:	54856	QC Preparation:	2009-10-07	Prepared By:	AR

Parameter	Flag	MDL Result	Units	RL
Chloride		<2.18	mg/Kg	4

Laboratory Control Spike (LCS-1)

QC Batch: 64336 | Date Analyzed: 2009-10-09 | Analyzed By: AR
Prep Batch: 54856 | QC Preparation: 2009-10-07 | Prepared By: AR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	98.7	mg/Kg	1	100	<2.18	99	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	99.3	mg/Kg	1	100	<2.18	99	85 - 115	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 212059

QC Batch: 64336 | Date Analyzed: 2009-10-09 | Analyzed By: AR
Prep Batch: 54856 | QC Preparation: 2009-10-07 | Prepared By: AR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	10700	mg/Kg	100	10000	306	104	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	10800	mg/Kg	100	10000	306	105	85 - 115	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1)

QC Batch: 64336 | Date Analyzed: 2009-10-09 | Analyzed By: AR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	99.5	100	85 - 115	2009-10-09

Standard (CCV-1)

QC Batch: 64336 | Date Analyzed: 2009-10-09 | Analyzed By: AR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	101	101	85 - 115	2009-10-09

LAB Order ID # 9100917

Page 1 of 1

TraceAnalysis, Inc.

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NOVA Safety & Environmental email: lab@traceanalysis.com (432) 631-6688

Company Name: 2057 Commerce
Address: (Street, City, Zip) Ron Rousville
Contact Person:
Phone #:
Fax #:
E-mail:
Invoice to: (If different from above) BTA Skip Baca
Project #:
Project Name: BTA GEM Battery
Project Location (including state): Hobbs, NM
Sampler Signature:

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
2(2057	NW-3 #2	1	4oz		X							X	X	10/9/09	8:50 AM
058	BHSW-2 #2	1	4oz		X							X	X	10/9/09	8:15 A.M.
059	BHN-3 #2	1	4oz		X							X	X	10/9/09	8:45 A.M.

LAB # (LAB USE ONLY)	MTBE 8021 / 602 / 8260 / 624	BTEX 8021 / 602 / 8260 / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	CHLORINATED ORGANICS / PVHC	PAH 8270 / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260 / 624	GC/MS Semi. Vol. 8270 / 625	PCB's 8082 / 608	Pesticides 8081 / 608	BOD, TSS, pH	Moisture Content	Chloride	Turn Around Time if different from standard	Hold
2(2057	X	X	X	X														X		
058	X	X	X	X														X		
059	X	X	X	X														X		

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
Michael Owen	NOVA	10/10/09	11:34		Trac	10/9/09	11:34

INST ____ OBS 6.3 °C COR ____ °C

LAB USE ONLY
Intact Y / N
Headspace Y / N NA
Log-In-Review ____

REMARKS:
Direct Bill
BTA
(rush)

- [ ] Dry Weight Basis Required
- [ ] TRRP Report Required
- [ ] Check If Special Reporting Limits Are Needed

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

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Carrier # ____