NM1 - 6

GENERAL CORRESPONDENCE

YEAR(S): 2004

Microsoft TerraServer Display Image USGS Aerial Photograph

47 km E of Carlsbad, New Mexico, United States 22 Oct 1996

USGS

Microsoft TerraServer Display Image USGS Aerial Photograph

46 km E of Carlsbad, New Mexico, United States 22 Oct 1996

USGS

Microsoft TerraServer Display Image USGS Aerial Photograph

47 km E of Carlsbad, New Mexico, United States 22 Oct 1996

USGS

Microsoft TerraServer Display Image USGS Aerial Photograph

47 km E of Carlsbad, New Mexico, United States 22 Oct 1996

USGS

US HWY 62/180

1750.2'

687.9'

578.3'

CO. RD. C-29

2172.4'

933.1'

466.6'

20'

Berm

Berm

Berm

Berm

Berm

P1

P2

P3

P4

Open

Open

Closed

50 B

Open

Closed

Open

Closed

50 A

CLEAN CALICHE

51

50

32

31

30

NORTH

600 0 600 1200 FEET

SCALE 1" = 600'

CRI
CONTROLLED RECOVERY INC.
P.O. BOX 388 • HOBBS, NM 88241 • (505) 393-1079

April 7, 2004

Martyne Kieling
NMOCD
1220 South St. Francis Drive
Santa Fe, NM 87505

Dear Ms. Kieling,

CRI is expanding the cell in the solid waste area and constructing a cell for Agave Energy.

This is to confirm our phone notification of 04-07-04.

Sincerely,

Ken Marsh

CRI
CONTROLLED RECOVERY INC.
P.O. BOX 388 • HOBBS, NM 88241 • (505) 393-1079

March 8, 2004

Martyne Kieling
State of New Mexico
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505

RE: Controlled Recovery, Inc.
Section 27, Township 20 South, Range 32 East, Lea County, New Mexico.
Registration of Pits and below grade tanks per NMOCD Pit Rule 19.15.2.53 NMAC

Dear Ms. Kieling,

CRI has recently furnished to NMOCD information pertaining to all pits, ponds, and tanks located at CRI's Facility.

This letter is to comply with the Pit Rule (if required by CRI) in accordance with CRI's existing facility and operation.

Please advise if any further action is required in this matter.

Sincerely,

Ken Marsh

FIFTH JUDICIAL DISTRICT COURT
STATE OF NEW MEXICO
COUNTY OF LEA

CONTROLLED RECOVERY INC.,
a New Mexico Corporation,

Plaintiff,

vs. **NO. CV-2001-310**

CHRIS WILLIAMS, New Mexico Oil Conservation Division District 1 Supervisor, Hobbs, New Mexico; NEW MEXICO OIL CONSERVATION DIVISION, a State Agency; and LORI WROTENBERY, New Mexico Oil Conservation Division Director,

Defendants.

STIPULATION OF DISMISSAL

Pursuant to Rule 1-041(A)(1)(b) NMRA 2004, the parties, having reached a settlement, hereby dismiss this action with prejudice.

Respectfully submitted:

HOLLAND & HART, LLP

By: _____

Michael H. Feldewert
P.O. Box 2208
Santa Fe, NM 87504-2208
(505) 988-4421

HEIDEL, SAMBERSON, NEWELL, COX & McMAHON

C. Gene Samberson
Post Office Drawer 1599
Lovington, NM 88260
(505) 396-5303

ATTORNEYS for CONTROLLED RECOVERY, INC.

By: David K. Brooks

David K. Brooks
Special Assistant Attorney General
Oil Conservation Division
Energy, Minerals & Natural Resources Department
State of New Mexico
1220 South St. Francis Drive
Santa Fe, NM 87505
(505) 476-3450

ATTORNEY for DEFENDANTS

3197157_1.DOC

CRI
CONTROLLED RECOVERY INC.
P.O. BOX 388 • HOBBS, NM 88241 • (505) 393-1079

RECEIVED
JAN 30 2004

January 26, 2004

Martyne Kieling
State of New Mexico
Oil Conservation Division
1220 S. St. Francis Drive
Santa Fe, NM 87505

Oil Conservation Division
1220 S. St. Francis Drive
Santa Fe, NM 87505

RE: **Solid Waste Disposal #22**

Dear Ms Kieling,

Enclosed please find updated plat of current disposal cells and past burial operations. The general plan of operation for solid waste disposal has been previously submitted to OCD.

Sincerely,

Ken Marsh

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON
Governor
Joanna Prukop
Cabinet Secretary

January 23, 2004

Lori Wrotenbery
Director
Oil Conservation Division

Mr. Michael H. Feledwert
Holland & Hart
P.O. Box 2208
Santa Fe, NM 87504-2208

RE: January 13, 2004 Letter

Dear Mr. Feldewert:

The New Mexico Oil Conservation Division (OCD) has received the Holland and Hart letter dated January 13, 2004 and draft Settlement Agreement attached. The OCD has reviewed the general plan outlined for the solid waste disposal area and the August 20, 2003 letter regarding the mechanical stabilization method. The OCD hereby approves the general plan for the solid waste disposal area and the mechanical stabilization method as described.

Please be advised that this approval does not relieve Controlled Recovery Inc. of liability should their operations result in pollution of surface water, ground water or the environment. In addition, OCD approval does not relieve Controlled Recovery Inc of responsibility for compliance with other federal, state or local regulations.

Please let me know if you have any additional questions. I can be reached at (505) 476-3488.

Sincerely

Martyne J. Kieling
Environmental Geologist

Xc: Hobbs District
Mr. Ken Marsh, Controlled Recovery, Inc.

HOLLAND&HART LLP

Michael H. Feldewert
Recognized Specialist in the Area of
Natural Resources - oil and gas law -
New Mexico Board of Legal Specialization

mfeldewert@hollandhart.com

January 13, 2004

RECEIVED

JAN 13 2004

Oil Conservation Division
1220 S. St. Francis Drive
Santa Fe, NM 87505

VIA HAND DELIVERY

David K. Brooks, Legal Bureau
New Mexico Energy, Minerals and
Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

Re: Controlled Recovery Inc., v. Chris Williams et al.
Cause No. CV 2001-310G

Dear David:

Enclosed are my efforts to document the settlement reached by the parties in the above referenced matter. I attempted to show in redline the agreed upon changes to CRI's proposed "operational conditions" as I understand them. Please review this agreement and provide me with your comments.

Pursuant to paragraph 21 of this draft Settlement Agreement, CRI submits the following General Plan for its Solid Waste Disposal Area:

> Area 50, and Area 51 if necessary, will be utilized for the solid waste disposal area. Cells are excavated on an as needed basis, including cells that are dedicated to one generator. Cover is placed on closed cells in accordance with CRI's Closure Plan. The waste material will be placed in the cells to conform to the surrounding topography, and will not exceed an elevation of 3,552 feet.

Finally, enclosed is the August 20, 2003, letter under which CRI describes its current mechanical stabilization method. Please confirm that this plan is acceptable to the Division.

Sincerely,

Michael H. Feldewert

MHF/jlp

3178055_1.DOC

SETTLEMENT AGREEMENT

This Settlement Agreement is entered into as of the ____ day of _____, 2004, by and between Controlled Recovery, Inc. ("CRI") and the New Mexico Oil Conservation Division of the Energy Minerals and Natural Resources Department ("Division").

WHEREAS, CRI operates a commercial surface waste management facility in Lea County, New Mexico, under the authority of Division Order R-9166;

WHEREAS, by letters dated July 3, 2000, September 27, 2000, and July 6, 2001, the Division sought to "re-permit" CRI's facility, impose new operational conditions, and revoke certain netting exemptions CRI has operated under since 1991;

WHEREAS, on August 17, 2001, CRI filed a Complaint for Declaratory and Injunctive Relief in the Fifth Judicial District Court of the State of New Mexico, Lea County, against the Division, its director and its district supervisor seeking declaratory and injunctive relief in a case styled *Controlled Recovery Inc., v. Chris Williams et al.,* Cause No. CV 2001-310G ("CRI's Complaint");

WHEREAS, on October 23, 2003, the Division issued a letter alleging that CRI was in violation of certain permitting and operational requirements; and

WHEREAS, without admission of liability or fault, the parties desire to resolve the issues raised by the Division's letters and CRI's Complaint without the necessity of further litigation and the costs associated with such litigation.

NOW, THEREFORE, in consideration of the mutual covenants and agreements of the parties and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, and for the purpose of fully and completely resolving the claims asserted in CRI's Complaint and all other claims, known or unknown, arising out of or concerning the operation of CRI's facility in Lea County, the parties agree as follows:

A. Withdrawal of Prior Letters and Recognition of No Violations. The letters issued by the Division to CRI dated July 3, 2000, September 27, 2000, July 6, 2001, and October 23, 2003, are withdrawn and shall have no force or affect. In addition, the Division acknowledges that CRI's facility is in full compliance with all applicable rules and orders of the Division, and that CRI has no history of violations or other noncompliance with such rules and orders.

B. Netting Exemptions Remain. The netting exemptions issued by the Division for CRI's facility in July of 1991 under Permit No. H-76 and by letter dated April 7, 1997, remain in full force and affect.

C. Closure Plan, Bonding and Closure of Pit Nos. 13 and 16. The Division accepts and approves the closure plan submitted by CRI on September 1, 2000. CRI shall immediately increase its closure bond with the Division to the total amount of $53,000 plus tax. In addition, CRI shall close within six months storage pit Nos. 13 and 16 pursuant to CRI's closure plan. In the event that these storage pits are not closed within six months of the execution of this Settlement Agreement, then CRI shall further increase its closure bond to a total amount of $73,000 plus tax.

D. Operational Conditions. In addition to the operational conditions imposed on CRI's facility by Order No. R-9166 and Division Rule 711.C and 711.D, as presently codified and enacted, CRI agrees to abide by the following additional operational conditions:

Overall Facility Operation

1. The facility must be fenced and have a sign at the entrance. The sign must be legible from at least fifty (50) feet and contain the following information: a) name of the facility ~~and order number~~; b) location by section, township and range; and c) emergency phone number. d. OCD order ~~and Permit~~ # number.

2. The facility will be maintained, contoured, and bermed to prevent runoff and runon of the portion of the facility containing contaminated solids and liquids.

3. All above ground tanks and fuel tanks will be bermed and labeled as to contents with standard ~~triangle~~ hazard ~~symbols~~. Labels, ~~Berm must contain~~ and the Current Berm Height of the will be maintained ~~the volume of the~~

4. Sumps and ~~B~~below grade ~~sumps and~~ tanks without leak detection systems shall have their ~~mechanical~~ integrity tested ~~demonstrated~~ annually. Sumps and below grade tanks that can be removed from their emplacements may be tested by visual inspection. Other sumps and below grade tanks shall be tested by appropriate mechanical means. Results must be Recorded and maintained at the Facility for OCD Review.

5. Sumps and ~~B~~below grade ~~sumps and~~ tanks will be inspected weekly and fluid will be removed as necessary to prevent overflow. If any defects are noted, repairs must be made as soon as possible.

Add to 3. ff. all Saddle tanks and Drums containing Materials other than Fresh water must be Labeled as to contents and hazards. Required under this Agreement

6. A checklist of all inspections at CRI's facility will be kept and maintained for Division review.

~~6. All fuel tanks will be bermed.~~ (moved into 3 OCD)

7. The OCD shall be notified prior to the installation of any pipelines or wells or other construction with in the boundaries of the facility that are not associated with the operation of the facility.

8. Any major design changes to CRI's facility must be submitted to the Division's Santa Fe Office for approval.

Pond and Pit Operation

~~8.~~9. All produced water must be unloaded into tanks. The produced water must reside in the tank and skim pit system long enough to allow for oil separation. Oil recovered must be stored in above-ground storage tanks.

~~2.~~10. All pits and ponds that contain liquids must have sufficient freeboard to prevent overtopping and a minimum freeboard of (1) one foot.

~~3.~~11. Free oil within the ponds and pits must be removed as soon as possible ~~weekly~~.

Drum storage + labels

~~4.~~12. Ponds and pits will be inspected on a weekly basis and if any defect is noted, repairs must be made as soon as possible. ~~.~~

~~5.~~13. A sign or other such marker with the pit/pond number must be clearly posted at each pit/pond location.

H2S Prevention & Contingency Plan

For example Tank P.I.T & Pond Areas.

Vague - Tanks or Pits & Ponds

14. CRI personnel will wear H2S personnel monitors in areas where H2S may be present. The monitors shall issue a visual and audible signal at 10 ppm of H2S in the ambient air that becomes more rapid at 20 ppm.

15. In the event that a reading of 10 ppm is registered at CRI's facility, CRI personnel will evacuate the area and CRI will monitor H2S levels ~~at~~ along the downwind boundary of the facility. If H2S levels reach 20 ppm, the facility will be closed and notification will be given to the following:

See (11)

↳ where? Anywhere in Facility or at boundary?

New Mexico State Police
Lea County Sheriff
The Division's ~~local office in~~ Hobbs District Office ✓
~~All persons Residing within ½ mile of Facility Boundary.~~

16. CRI will notify Calaway Safety in Hobbs to provide personnel, equipment and supplies to mitigate the source of any H2S readings of 10 ppm or greater.

17. CRI will log and report to the Division all incidences where a reading of 10 ppm H_2S or greater is registered at CRI's facility.

Treating Plant Operation

Ground water monitoring?

~~6.~~18. The treating plant will be inspected weekly and ~~,~~ if any defect is noted repairs will be made as soon as possible. If the defect will jeopardize the integrity of the plant, the plant will be shut down until repairs have been completed.

~~7.~~19. The treating plant may use diesel and gasoline from storage tanks that are to be pulled, repaired or replaced. This material may only be used in the treating plant as a product to aid in the chemical treatment and blending of crude oil.

Received 1-22-03

20. CRI shall submit to the Division a functional diagram or engineering schematic that depicts the functioning of the treating plant as a whole, and each major element thereof.

Solid Waste Disposal Area

~~8.~~21. CRI shall submit to the Division a general plan of operations for solid waste disposal areas 50 and 51 that will provide a written description of the ongoing excavation and closure operations. CRI will also submit an updated plat showing all current disposal cells and past burial operations at the facility. ~~will be excavated and filled in accordance with industry standards for facilities accepting the same or similar materials and match the surrounding topography.~~

✓ ~~10.~~22. Mechanical stabilization of liquids may be used prior to disposal.

✓ ~~11.~~23. Free liquids will not be disposed of in the solid waste disposal pits.

✓ ~~12.~~24. The ~~S~~solid waste disposal area will be inspected ~~and maintained in~~ on a weekly basis and if any defect is noted, repairs must be made as soon as possible.

✓ ~~12.~~25. The ~~S~~solid waste disposal area will be bermed to prevent runon and runoff of rain and storm water.

✓ ~~14.~~26. All trash accepted at the facility that has the potential for blowing away or being transported by other vectors must be covered with soil within 24 hours of disposal into the solid waste pit.

✓ 27 ~~15.~~ The Division ~~NMOCD~~ will be notified before any new cells or expansion of existing cells in the solid waste disposal ~~are~~ area are constructed.

E. **Dismissal of Complaint**. Upon the execution of this agreement, CRI 's Complaint shall be dismissed, with each party bearing their own attorneys' fees, costs, expenses and disbursements. The parties will cooperate to promptly file all documents necessary to accomplish such dismissal.

F. **No Admission**. This Agreement represents the settlement of disputed claims, and does not constitute an admission of the correctness of any position asserted by any party, or an admission of liability or of any wrongdoing by any party.

G. **Construction**. This Agreement shall be construed based upon its terms and stated intent, including the recitals, and shall not be construed in the favor of one or another party based upon who may have contributed to its drafting, or on any other basis.

H. **Counterparts**. This Agreement may be executed in counterparts, each of which is hereby deemed an original, but all of which together shall constitute one and the same instrument.

I. **Entire Agreement**. This Agreement constitutes the entire agreement between the parties, and any modification of or addition to this Agreement must be in writing and signed by all parties hereto.

J. **Authority**. The signatories to this agreement represent and warrant that they have full power and authority to enter into this Agreement on behalf of the parties indicated.

K. **Advice of Counsel**. The parties acknowledge that they have been and are fully advised by competent legal counsel of their own choice, that they have read this entire agreement and fully understand its terms and conditions of this Agreement, and that their execution of this Agreement is with the advice of counsel and of their own free will and desire.

L. **Binding on Successors.** This agreement shall bind and benefit the successors and assigns of CRI's facility, provided this provision shall not authorize transfer of CRI's permit otherwise than as ~~Ordering~~ ¶ 6 ~~of Order R-9166~~ and the terms of Order R-9166 and rule 711

IN WITNESS WHEREOF, the parties have executed this Agreement by their duly authorized representatives, whose signatures appear below.

NEW MEXICO OIL CONSERVATION DIVISION

By:_____
Lori Wrotenbery, Director

ATTORNEY GENERAL OF THE STATE OF NEW MEXICO

By:_____
David K. Brooks
Special Assistant Attorney General

CONTROLLED RECOVERY INC.

BY:_____
Ken Marsh, President

CRI
CONTROLLED RECOVERY INC.
P.O. BOX 388 • HOBBS, NM 88241 • (505) 393-1079

January 16, 2004

State of New Mexico
Oil Conservation Division
Martyne Kieling
1220 S. St. Francis Drive
Santa Fe, NM 87505

Dear Ms. Kieling,

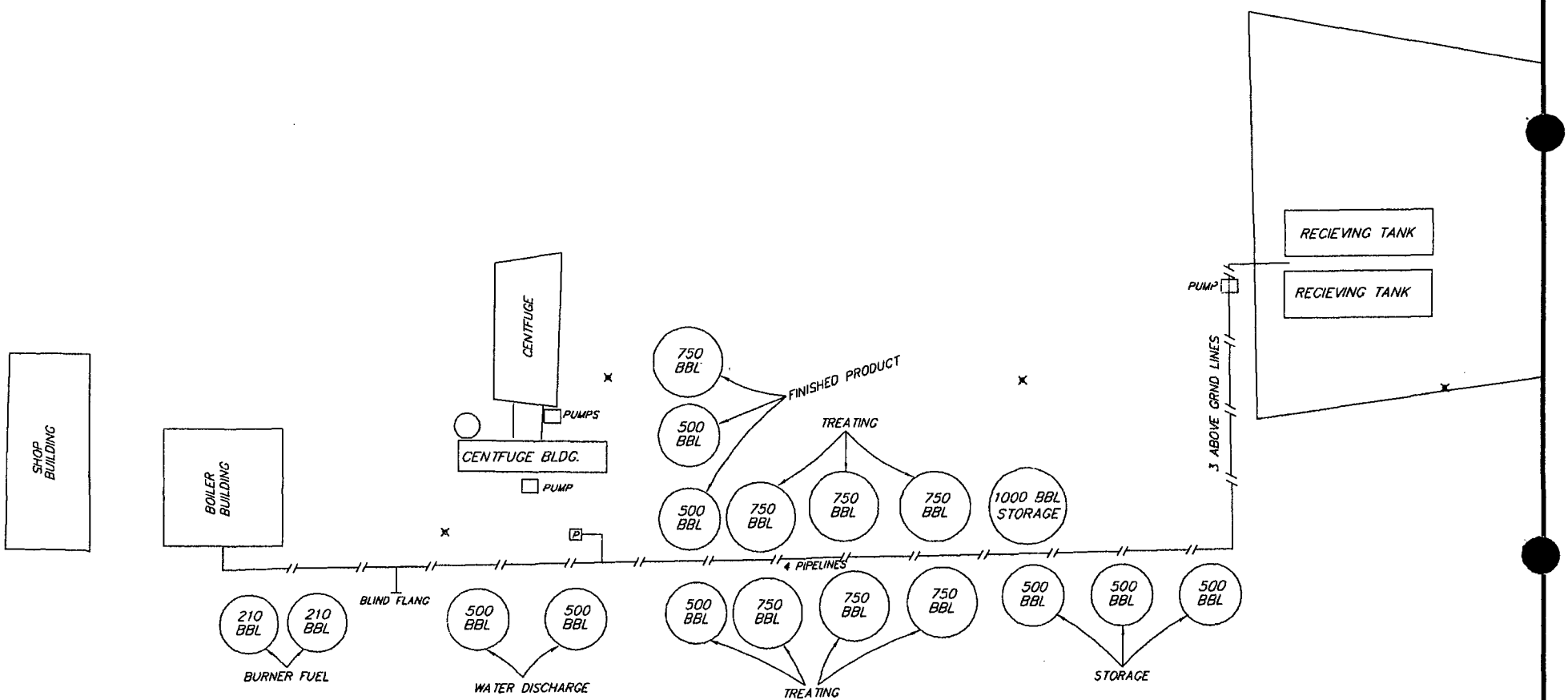
Enclosed please functional diagram of CRI Treating Plant.

Please call if I may provide additional information.

Sincerely,

Ken Marsh

cc: Mike Feldewert



Controlled Recovery Treating Plant
January 16, 2004

Kieling, Martyne

To: kenmarsh@crihobbs

Subject: RE: CRI Haz Waste

Ken,
Thanks for the update. I will place this in the file.

Martyne

-----Original Message-----
From: kenmarsh@crihobbs [mailto:kenmarsh@crihobbs.com]
Sent: Wednesday, February 18, 2004 8:28 AM
To: Martyne Kieling
Subject: FW: CRI Haz Waste

Martyne: I don't know if Mr Moore sent this to you, so I am forwarding it to you. Please let me know when you receive this. Thanks, David

-----Original Message-----
From: Darrell Moore [mailto:darrell.moore@navajo-refining.com]
Sent: Tuesday, February 17, 2004 9:55 AM
To: Phil Youngblood
Cc: ken@crihobbs.com
Subject: FW: CRI Haz Waste

Here is Cobrain's approval of our cleanup of the haz waste at CRI. Hard copy coming and I'll send you a copy ,Ken, when we receive it.

Darrell

-----Original Message-----
From: David Cobrain [mailto:david_cobrain@nmenv.state.nm.us]
Sent: Tuesday, February 17, 2004 7:58 AM
To: Darrell Moore
Subject: RE: CRI Haz Waste

Darrell,

I apologize for not getting back to you sooner. I reviewed the letter and data package that you sent, dated January 5, 2004. Based on the information included in the letter, it appears that the waste sent to CRI between November 11 and 15, 2003 has been removed. I'll send you a formal letter but this email message can serve as approval for the purpose of resuming use of the pit for nonhazardous waste disposal. Please call if you have questions. Thanks.

Dave

-----Original Message-----
From: Darrell Moore [mailto:darrell.moore@navajo-refining.com]
Sent: Monday, February 16, 2004 1:45 PM
To: David Cobrain
Subject: CRI Haz Waste

Dave,

I was just checking on the progress of our clean up at the CRI facility. As you know, we cleaned up the haz waste and sent you a packet of info including analysis. That area is still cordoned off awaiting your approval.

Darrell Moore
Environmental Manager for Water and Waste
Navajo Refining Company

Kieling, Martyne

From: David Cobrain [david_cobrain@nmenv.state.nm.us]
Sent: Tuesday, November 25, 2003 3:58 PM
To: Kieling, Martyne
Subject: FW: wORKPLAN

-----Original Message-----
From: David Cobrain [mailto:david_cobrain@nmenv.state.nm.us]
Sent: Tuesday, November 18, 2003 4:44 PM
To: Darrell Moore
Cc: Barry Birch; Sandra Martin; 'Wayne Price'; Kieling, Martyne
Subject: RE: wORKPLAN

Darrell,
I've reviewed the work plan that you attached to your email message. Removing the waste using visual field screening is appropriate in this case. Based on the information provided in the work plan and our phone conversation this afternoon, the work plan is approved with the following edits to the plan:

1. Analyze all soil confirmation samples for VOCs by EPA Method 8260 or 8021B, SVOCs by EPA Method 8270 and RCRA metals by EPA Methods 6000 and 7000 series instead of TCLP analyses.

2. Provide written and photographic documentation of the removal in a letter report and include the soil sample chemical analytical results and disposal documentation as attachments to the report.

Please call if you have questions. Thanks.
Dave

> -----Original Message-----
> **From:** Darrell Moore [mailto:darrell.moore@navajo-refining.com]
> **Sent:** Tuesday, November 18, 2003 2:04 PM
> **To:** david cobrain
> **Subject:** wORKPLAN
>
> Dave,
>
> Enclosed is the work plan for the recovery of the hazardous waste at CRI's landfill. Let me know what you think
>
> Darrell Moore
> Environmental Manager for Water and Waste
> Navajo Refining Company
> P.O. Box 159
> Artesia, NM 88211
> Direct Phone: 505-746-5281
> Fax: 505-746-5421
> Cell: 505-365-4364

REFINING COMPANY, L.P.

FAX
(505) 746-5283 DIV. ORDERS
(505) 746-5481 TRUCKING
(505) 746-5458 PERSONNEL

501 EAST MAIN STREET • P. O. BOX 159
ARTESIA, NEW MEXICO 88211-0159
TELEPHONE (505) 748-3311

FAX
(505) 746-5419 ACCOUNTING
(505) 746-5451 EXEC/MKTG
(505) 746-5421 ENGINEERING
(505) 746-5480 PIPELINE

January 5, 2004

RECEIVED
JAN 22 2004
Environmental Bureau
Oil Conservation Division

Mr. Dave Cobrain
New Mexico Environment Department
Hazardous Waste Bureau
2905 Rodeo Park Drive East, Building 1
Santa Fe, NM 87505

RE: Hazardous Waste in Controlled Recovery Inc. Landfill

Dear Dave,

As you are aware, sometime in the interval between November 11-15, 2003, Navajo inadvertently sent what was reported as 3 roll-off bins of mixed non-hazardous and hazardous waste (K and F-waste) to the Controlled Recovery Inc. (CRI) landfill between Hobbs and Carlsbad. We have since determined that it was actually only one roll off bin of material. We sent you a workplan to remove this waste on November 18, 2003 which you approved. This letter is sent to detail our implementation of that workplan.

On November 18, 2003, Charlie Plymale of Navajo Refining Company went to the CRI landfill and met employees of Sweatt Construction who had brought a front end loader for this excavation. We had also set four roll-off bins at the location for the removal of this material. Based on preliminary digging at the site, we established that the waste in question was approximately 6 inches thick and had spread over an area about 15 yards wide and 35 yards long. We have included a disc with photos of the site showing both before and after photos of the excavated area. We collected a sample of the mixed waste that is labeled in the attached analysis as CRIHAZ1. This gave us a baseline, so to speak, of the hazardous material to compare with bottom hole samples from the clean material.

At 9:30 am on the morning of November 18, 2003, excavation began at the site. We started on the west end of the waste pile and dug down to where we could visually see a change in color from the waste to clean dirt. We then dug several additional inches into the clean material as a precautionary measure. This entailed digging down about 15-20 inches to where we were confident all contamination was removed. This contaminated soil was placed into roll-off bins for disposal at an approved hazardous waste facility. Once we had excavated to bottom of the pit down to clean dirt, we then moved our attention to the walls of the pit. (see photos). Again, we simply relied on visual

CRI File

determination (change of color) to determine when we were out of the contamination and into clean dirt. Again, we went several extra inches deeper once we hit clean material as a precautionary measure.

Once excavation was completed, we had accumulated about 60 yards of material into 4 roll-off boxes. The boxes were labeled with hazardous stickers with all pertinent data. We then took five soil samples from the bottom and sides of the pit and the results of those samples are included. Those samples are labeled CRINH1 thru 5. Although there are some minor hits of certain constituents, we are confident that all hazardous waste was removed.

The four roll off bins of material were shipped to DuraTherm, Inc. in San Leon, Texas for disposal. A copy of each manifest along with the Land Disposal Notification is included.

We look forward to your review of the enclosed information. Both Navajo and CRI are interested in receiving an approval from your office of the clean up efforts detailed above. If you have any questions, please contact me at 505-746-5281.

Sincerely,
NAVAJO REFINING COMPANY

Darrell Moore
Environmental Manager for Water and Waste

Encl

Cc: Ken Marsh, CRI

e-Lab, Inc.

Date: *December 01, 2003*

CLIENT: Navajo Refining Company
Project: CRI Proj
Work Order: 0311260

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
0311260-01	CRIHAZ1	Soil		11/20/2003 09:0C	11/22/2003 10:5(	☐
0311260-02	CRINH #1	Soil		11/20/2003 14:45	11/22/2003 10:5(	☐
0311260-03	CRINH #2	Soil		11/20/2003 14:5C	11/22/2003 10:5(	☐
0311260-04	CRINH #3	Soil		11/20/2003 14:55	11/22/2003 10:5(	☐
0311260-05	CRINH #4	Soil		11/20/2003 15:0C	11/22/2003 10:5(	☐
0311260-06	CRINH #5	Soil		11/20/2003 15:05	11/22/2003 10:5(	☐

e-Lab, Inc. **Date:** *December 01, 2003*

CLIENT: Navajo Refining Company
Project: CRI Proj
Work Order: 0311260

Case Narrative

All Acetone results were confirmed by duplicate analysis.

Volatile sample CRINH #5 had internal standard and surrogate failures that were confirmed by duplicate analysis.

Semivolatiles samples CRIHAZ1, CRINH #1, CRINH #2, CRINH #4, and CRINH #5 did not reach 1-mL for final volume. This factor is applied to the reporting limit and the results.

e-Lab, Inc.

Date: *December 01, 2003*

CLIENT:	Navajo Refining Company	**Client Sample ID:**	CRIHAZ1
Work Order:	0311260	**Collection Date:**	11/20/2003 9:00:00 AM
Project:	CRI Proj		
Lab ID:	0311260-01	**Matrix:**	SOIL

Analyses		Result	Report Limit	Qual	Units	Dilution Factor	Date Analyzed
MERCURY, TOTAL			**SW7471A**			Prep Date: **11/25/2003**	Analyst: **MG**
Mercury	C-5	110	13.3		µg/Kg	1	11/25/2003 4:37:53 PM
ICP METALS, TOTAL			**SW6020**			Prep Date: **11/24/2003**	Analyst: **SA**
Arsenic		25.8	5.00		mg/Kg	1	11/25/2003 7:17:00 PM
Barium		68.3	5.00		mg/Kg	1	11/25/2003 7:17:00 PM
Cadmium		ND	5.00		mg/Kg	1	11/25/2003 7:17:00 PM
Chromium		32.9	5.00		mg/Kg	1	11/25/2003 7:17:00 PM
Lead		20.9	5.00		mg/Kg	1	11/25/2003 7:17:00 PM
Selenium	B-5	170	5.00		mg/Kg	1	11/25/2003 7:17:00 PM
Silver		ND	5.00		mg/Kg	1	11/25/2003 7:17:00 PM
TCL SEMIVOLATILE ORGANICS			**SW8270**			Prep Date: **11/25/2003**	Analyst: **RKG**
1,2,4-Trichlorobenzene		ND	1,600		µg/Kg	5	11/26/2003 3:33:00 PM
1,2-Dichlorobenzene		ND	1,600		µg/Kg	5	11/26/2003 3:33:00 PM
1,3-Dichlorobenzene		ND	1,600		µg/Kg	5	11/26/2003 3:33:00 PM
1,4-Dichlorobenzene		ND	1,600		µg/Kg	5	11/26/2003 3:33:00 PM
2,4,5-Trichlorophenol		ND	1,600		µg/Kg	5	11/26/2003 3:33:00 PM
2,4,6-Trichlorophenol		ND	1,600		µg/Kg	5	11/26/2003 3:33:00 PM
2,4-Dichlorophenol		ND	1,600		µg/Kg	5	11/26/2003 3:33:00 PM
2,4-Dimethylphenol		ND	1,600		µg/Kg	5	11/26/2003 3:33:00 PM
2,4-Dinitrophenol		ND	1,600		µg/Kg	5	11/26/2003 3:33:00 PM
2,4-Dinitrotoluene		ND	1,600		µg/Kg	5	11/26/2003 3:33:00 PM
2,6-Dinitrotoluene		ND	1,600		µg/Kg	5	11/26/2003 3:33:00 PM
2-Chloronaphthalene		ND	1,600		µg/Kg	5	11/26/2003 3:33:00 PM
2-Chlorophenol		ND	1,600		µg/Kg	5	11/26/2003 3:33:00 PM
2-Methylnaphthalene		2,300	1,600		µg/Kg	5	11/26/2003 3:33:00 PM
2-Methylphenol		ND	1,600		µg/Kg	5	11/26/2003 3:33:00 PM
2-Nitroaniline		ND	1,600		µg/Kg	5	11/26/2003 3:33:00 PM
2-Nitrophenol		ND	1,600		µg/Kg	5	11/26/2003 3:33:00 PM
3,3'-Dichlorobenzidine		ND	1,600		µg/Kg	5	11/26/2003 3:33:00 PM
3-Nitroaniline		ND	1,600		µg/Kg	5	11/26/2003 3:33:00 PM
4,6-Dinitro-2-methylphenol		ND	1,600		µg/Kg	5	11/26/2003 3:33:00 PM
4-Bromophenyl phenyl ether		ND	1,600		µg/Kg	5	11/26/2003 3:33:00 PM
4-Chloro-3-methylphenol		ND	1,600		µg/Kg	5	11/26/2003 3:33:00 PM
4-Chloroaniline		ND	1,600		µg/Kg	5	11/26/2003 3:33:00 PM
4-Chlorophenyl phenyl ether		ND	1,600		µg/Kg	5	11/26/2003 3:33:00 PM
4-Methylphenol		ND	1,600		µg/Kg	5	11/26/2003 3:33:00 PM
4-Nitroaniline		ND	1,600		µg/Kg	5	11/26/2003 3:33:00 PM
4-Nitrophenol		ND	1,600		µg/Kg	5	11/26/2003 3:33:00 PM
Acenaphthene		ND	1,600		µg/Kg	5	11/26/2003 3:33:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
P - Dual Column results percent difference > 40%
E - Value above quantitation range
H - Analyzed outside of Hold Time

e-Lab, Inc.

Date: *December 01, 2003*

CLIENT: Navajo Refining Company
Work Order: 0311260
Project: CRI Proj
Lab ID: 0311260-01

Client Sample ID: CRIHAZ1
Collection Date: 11/20/2003 9:00:00 AM
Matrix: SOIL

Analyses	Result	Report Limit	Qual	Units	Dilution Factor	Date Analyzed
Acenaphthylene	ND	1,600		µg/Kg	5	11/26/2003 3:33:00 PM
Anthracene	ND	1,600		µg/Kg	5	11/26/2003 3:33:00 PM
Benz(a)anthracene	ND	1,600		µg/Kg	5	11/26/2003 3:33:00 PM
Benzo(a)pyrene	ND	1,600		µg/Kg	5	11/26/2003 3:33:00 PM
Benzo(b)fluoranthene	ND	1,600		µg/Kg	5	11/26/2003 3:33:00 PM
Benzo(g,h,i)perylene	ND	1,600		µg/Kg	5	11/26/2003 3:33:00 PM
Benzo(k)fluoranthene	ND	1,600		µg/Kg	5	11/26/2003 3:33:00 PM
Bis(2-chloroethoxy)methane	ND	1,600		µg/Kg	5	11/26/2003 3:33:00 PM
Bis(2-chloroethyl)ether	ND	1,600		µg/Kg	5	11/26/2003 3:33:00 PM
Bis(2-chloroisopropyl)ether	ND	1,600		µg/Kg	5	11/26/2003 3:33:00 PM
Bis(2-ethylhexyl)phthalate	ND	1,600		µg/Kg	5	11/26/2003 3:33:00 PM
Butyl benzyl phthalate	ND	1,600		µg/Kg	5	11/26/2003 3:33:00 PM
Carbazole	ND	1,600		µg/Kg	5	11/26/2003 3:33:00 PM
Chrysene	ND	1,600		µg/Kg	5	11/26/2003 3:33:00 PM
Di-n-butyl phthalate	ND	1,600		µg/Kg	5	11/26/2003 3:33:00 PM
Di-n-octyl phthalate	ND	1,600		µg/Kg	5	11/26/2003 3:33:00 PM
Dibenz(a,h)anthracene	ND	1,600		µg/Kg	5	11/26/2003 3:33:00 PM
Dibenzofuran	ND	1,600		µg/Kg	5	11/26/2003 3:33:00 PM
Diethyl phthalate	ND	1,600		µg/Kg	5	11/26/2003 3:33:00 PM
Dimethyl phthalate	ND	1,600		µg/Kg	5	11/26/2003 3:33:00 PM
Fluoranthene	ND	1,600		µg/Kg	5	11/26/2003 3:33:00 PM
Fluorene	ND	1,600		µg/Kg	5	11/26/2003 3:33:00 PM
Hexachlorobenzene	ND	1,600		µg/Kg	5	11/26/2003 3:33:00 PM
Hexachlorobutadiene	ND	1,600		µg/Kg	5	11/26/2003 3:33:00 PM
Hexachlorocyclopentadiene	ND	1,600		µg/Kg	5	11/26/2003 3:33:00 PM
Hexachloroethane	ND	1,600		µg/Kg	5	11/26/2003 3:33:00 PM
Indeno(1,2,3-cd)pyrene	ND	1,600		µg/Kg	5	11/26/2003 3:33:00 PM
Isophorone	ND	1,600		µg/Kg	5	11/26/2003 3:33:00 PM
N-Nitrosodi-n-propylamine	ND	1,600		µg/Kg	5	11/26/2003 3:33:00 PM
N-Nitrosodiphenylamine	ND	1,600		µg/Kg	5	11/26/2003 3:33:00 PM
Naphthalene	ND	1,600		µg/Kg	5	11/26/2003 3:33:00 PM
Nitrobenzene	ND	1,600		µg/Kg	5	11/26/2003 3:33:00 PM
Pentachlorophenol	ND	1,600		µg/Kg	5	11/26/2003 3:33:00 PM
Phenanthrene	ND	1,600		µg/Kg	5	11/26/2003 3:33:00 PM
Phenol	ND	1,600		µg/Kg	5	11/26/2003 3:33:00 PM
Pyrene	ND	1,600		µg/Kg	5	11/26/2003 3:33:00 PM
Surr: 2,4,6-Tribromophenol	63.0	40-133		%REC	5	11/26/2003 3:33:00 PM
Surr: 2-Fluorobiphenyl	61.2	34-122		%REC	5	11/26/2003 3:33:00 PM
Surr: 2-Fluorophenol	44.6	25-115		%REC	5	11/26/2003 3:33:00 PM
Surr: 4-Terphenyl-d14	74.4	33-142		%REC	5	11/26/2003 3:33:00 PM
Surr: Nitrobenzene-d5	82.2	39-115		%REC	5	11/26/2003 3:33:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
P - Dual Column results percent difference > 40%
E - Value above quantitation range
H - Analyzed outside of Hold Time

e-Lab, Inc.

Date: *December 01, 2003*

CLIENT: Navajo Refining Company
Work Order: 0311260
Project: CRI Proj
Lab ID: 0311260-01

Client Sample ID: CRIHAZ1
Collection Date: 11/20/2003 9:00:00 AM
Matrix: SOIL

Analyses	Result	Report Limit	Qual	Units	Dilution Factor	Date Analyzed
Surr: Phenol-d6	52.2	20-115		%REC	5	11/26/2003 3:33:00 PM
TCL VOLATILE ORGANICS		**SW8260**				Analyst: **PC**
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1	11/24/2003 4:07:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1	11/24/2003 4:07:00 PM
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1	11/24/2003 4:07:00 PM
1,1-Dichloroethane	ND	5.0		µg/Kg	1	11/24/2003 4:07:00 PM
1,1-Dichloroethene	ND	5.0		µg/Kg	1	11/24/2003 4:07:00 PM
1,2-Dichloroethane	ND	5.0		µg/Kg	1	11/24/2003 4:07:00 PM
1,2-Dichloropropane	ND	5.0		µg/Kg	1	11/24/2003 4:07:00 PM
2-Butanone	560	100		µg/Kg	10	11/24/2003 5:00:00 PM
2-Hexanone	ND	10		µg/Kg	1	11/24/2003 4:07:00 PM
4-Methyl-2-pentanone	ND	10		µg/Kg	1	11/24/2003 4:07:00 PM
Acetone	24,000	3,100		µg/Kg	125	11/26/2003 11:39:00 AM
Benzene	ND	5.0		µg/Kg	1	11/24/2003 4:07:00 PM
Bromodichloromethane	ND	5.0		µg/Kg	1	11/24/2003 4:07:00 PM
Bromoform	ND	10		µg/Kg	1	11/24/2003 4:07:00 PM
Bromomethane	ND	10		µg/Kg	1	11/24/2003 4:07:00 PM
Carbon disulfide	ND	10		µg/Kg	1	11/24/2003 4:07:00 PM
Carbon tetrachloride	ND	5.0		µg/Kg	1	11/24/2003 4:07:00 PM
Chlorobenzene	ND	5.0		µg/Kg	1	11/24/2003 4:07:00 PM
Chloroethane	ND	10		µg/Kg	1	11/24/2003 4:07:00 PM
Chloroform	ND	5.0		µg/Kg	1	11/24/2003 4:07:00 PM
Chloromethane	ND	10		µg/Kg	1	11/24/2003 4:07:00 PM
cis-1,2-Dichloroethene	ND	5.0		µg/Kg	1	11/24/2003 4:07:00 PM
cis-1,3-Dichloropropene	ND	5.0		µg/Kg	1	11/24/2003 4:07:00 PM
Dibromochloromethane	ND	5.0		µg/Kg	1	11/24/2003 4:07:00 PM
Dichloromethane	ND	10		µg/Kg	1	11/24/2003 4:07:00 PM
Ethylbenzene	170	5.0		µg/Kg	1	11/24/2003 4:07:00 PM
Styrene	ND	5.0		µg/Kg	1	11/24/2003 4:07:00 PM
Tetrachloroethene	ND	5.0		µg/Kg	1	11/24/2003 4:07:00 PM
Toluene	34	5.0		µg/Kg	1	11/24/2003 4:07:00 PM
trans-1,2-Dichloroethene	ND	5.0		µg/Kg	1	11/24/2003 4:07:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/Kg	1	11/24/2003 4:07:00 PM
Trichloroethene	ND	5.0		µg/Kg	1	11/24/2003 4:07:00 PM
Vinyl chloride	ND	2.0		µg/Kg	1	11/24/2003 4:07:00 PM
Xylenes, Total	520	15		µg/Kg	1	11/24/2003 4:07:00 PM
Surr: 1,2-Dichloroethane-d4	99.8	70-130		%REC	1	11/24/2003 4:07:00 PM
Surr: 1,2-Dichloroethane-d4	53.4	70-130	S	%REC	10	11/24/2003 5:00:00 PM
Surr: 1,2-Dichloroethane-d4	86.0	70-130		%REC	125	11/26/2003 11:39:00 AM
Surr: 4-Bromofluorobenzene	82.1	70-130		%REC	1	11/24/2003 4:07:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
P - Dual Column results percent difference > 40%
E - Value above quantitation range
H - Analyzed outside of Hold Time

e-Lab, Inc.

Date: *December 01, 2003*

CLIENT:	Navajo Refining Company	**Client Sample ID:**	CRIHAZ1
Work Order:	0311260	**Collection Date:**	11/20/2003 9:00:00 AM
Project:	CRI Proj		
Lab ID:	0311260-01	**Matrix:**	SOIL

Analyses	Result	Report Limit	Qual	Units	Dilution Factor	Date Analyzed
Surr: 4-Bromofluorobenzene	72.0	70-130		%REC	10	11/24/2003 5:00:00 PM
Surr: 4-Bromofluorobenzene	94.9	70-130		%REC	125	11/26/2003 11:39:00 AM
Surr: Dibromofluoromethane	91.4	70-130		%REC	125	11/26/2003 11:39:00 AM
Surr: Dibromofluoromethane	89.5	70-130		%REC	1	11/24/2003 4:07:00 PM
Surr: Dibromofluoromethane	59.8	70-130	S	%REC	10	11/24/2003 5:00:00 PM
Surr: Toluene-d8	93.6	70-130		%REC	125	11/26/2003 11:39:00 AM
Surr: Toluene-d8	105	70-130		%REC	1	11/24/2003 4:07:00 PM
Surr: Toluene-d8	81.5	70-130		%REC	10	11/24/2003 5:00:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
P - Dual Column results percent difference > 40%
E - Value above quantitation range
H - Analyzed outside of Hold Time

e-Lab, Inc.

Date: *December 01, 2003*

CLIENT:	Navajo Refining Company	**Client Sample ID:**	CRINH #1
Work Order:	0311260	**Collection Date:**	11/20/2003 2:45:00 PM
Project:	CRI Proj		
Lab ID:	0311260-02	**Matrix:**	SOIL

Analyses	Result	Report Limit	Qual	Units	Dilution Factor	Date Analyzed
MERCURY, TOTAL		**SW7471A**			Prep Date: **11/25/2003**	Analyst: **MG**
Mercury	33.3	13.3		µg/Kg	1	11/25/2003 4:39:23 PM
ICP METALS, TOTAL		**SW6020**			Prep Date: **11/24/2003**	Analyst: **SA**
Arsenic	ND	5.00		mg/Kg	1	11/25/2003 7:22:00 PM
Barium	42.5	5.00		mg/Kg	1	11/25/2003 7:22:00 PM
Cadmium	ND	5.00		mg/Kg	1	11/25/2003 7:22:00 PM
Chromium	ND	5.00		mg/Kg	1	11/25/2003 7:22:00 PM
Lead	ND	5.00		mg/Kg	1	11/25/2003 7:22:00 PM
Selenium	13.5	5.00		mg/Kg	1	11/25/2003 7:22:00 PM
Silver	ND	5.00		mg/Kg	1	11/25/2003 7:22:00 PM
TCL SEMIVOLATILE ORGANICS		**SW8270**			Prep Date: **11/25/2003**	Analyst: **RKG**
1,2,4-Trichlorobenzene	ND	1,600		µg/Kg	5	11/26/2003 8:13:00 PM
1,2-Dichlorobenzene	ND	1,600		µg/Kg	5	11/26/2003 8:13:00 PM
1,3-Dichlorobenzene	ND	1,600		µg/Kg	5	11/26/2003 8:13:00 PM
1,4-Dichlorobenzene	ND	1,600		µg/Kg	5	11/26/2003 8:13:00 PM
2,4,5-Trichlorophenol	ND	1,600		µg/Kg	5	11/26/2003 8:13:00 PM
2,4,6-Trichlorophenol	ND	1,600		µg/Kg	5	11/26/2003 8:13:00 PM
2,4-Dichlorophenol	ND	1,600		µg/Kg	5	11/26/2003 8:13:00 PM
2,4-Dimethylphenol	ND	1,600		µg/Kg	5	11/26/2003 8:13:00 PM
2,4-Dinitrophenol	ND	1,600		µg/Kg	5	11/26/2003 8:13:00 PM
2,4-Dinitrotoluene	ND	1,600		µg/Kg	5	11/26/2003 8:13:00 PM
2,6-Dinitrotoluene	ND	1,600		µg/Kg	5	11/26/2003 8:13:00 PM
2-Chloronaphthalene	ND	1,600		µg/Kg	5	11/26/2003 8:13:00 PM
2-Chlorophenol	ND	1,600		µg/Kg	5	11/26/2003 8:13:00 PM
2-Methylnaphthalene	ND	1,600		µg/Kg	5	11/26/2003 8:13:00 PM
2-Methylphenol	ND	1,600		µg/Kg	5	11/26/2003 8:13:00 PM
2-Nitroaniline	ND	1,600		µg/Kg	5	11/26/2003 8:13:00 PM
2-Nitrophenol	ND	1,600		µg/Kg	5	11/26/2003 8:13:00 PM
3,3'-Dichlorobenzidine	ND	1,600		µg/Kg	5	11/26/2003 8:13:00 PM
3-Nitroaniline	ND	1,600		µg/Kg	5	11/26/2003 8:13:00 PM
4,6-Dinitro-2-methylphenol	ND	1,600		µg/Kg	5	11/26/2003 8:13:00 PM
4-Bromophenyl phenyl ether	ND	1,600		µg/Kg	5	11/26/2003 8:13:00 PM
4-Chloro-3-methylphenol	ND	1,600		µg/Kg	5	11/26/2003 8:13:00 PM
4-Chloroaniline	ND	1,600		µg/Kg	5	11/26/2003 8:13:00 PM
4-Chlorophenyl phenyl ether	ND	1,600		µg/Kg	5	11/26/2003 8:13:00 PM
4-Methylphenol	ND	1,600		µg/Kg	5	11/26/2003 8:13:00 PM
4-Nitroaniline	ND	1,600		µg/Kg	5	11/26/2003 8:13:00 PM
4-Nitrophenol	ND	1,600		µg/Kg	5	11/26/2003 8:13:00 PM
Acenaphthene	ND	1,600		µg/Kg	5	11/26/2003 8:13:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
P - Dual Column results percent difference > 40%
E - Value above quantitation range
H - Analyzed outside of Hold Time

e-Lab, Inc.

Date: *December 01, 2003*

CLIENT: Navajo Refining Company
Work Order: 0311260
Project: CRI Proj
Lab ID: 0311260-02

Client Sample ID: CRINH #1
Collection Date: 11/20/2003 2:45:00 PM
Matrix: SOIL

Analyses	Result	Report Limit	Qual	Units	Dilution Factor	Date Analyzed
Acenaphthylene	ND	1,600		µg/Kg	5	11/26/2003 8:13:00 PM
Anthracene	ND	1,600		µg/Kg	5	11/26/2003 8:13:00 PM
Benz(a)anthracene	ND	1,600		µg/Kg	5	11/26/2003 8:13:00 PM
Benzo(a)pyrene	ND	1,600		µg/Kg	5	11/26/2003 8:13:00 PM
Benzo(b)fluoranthene	ND	1,600		µg/Kg	5	11/26/2003 8:13:00 PM
Benzo(g,h,i)perylene	ND	1,600		µg/Kg	5	11/26/2003 8:13:00 PM
Benzo(k)fluoranthene	ND	1,600		µg/Kg	5	11/26/2003 8:13:00 PM
Bis(2-chloroethoxy)methane	ND	1,600		µg/Kg	5	11/26/2003 8:13:00 PM
Bis(2-chloroethyl)ether	ND	1,600		µg/Kg	5	11/26/2003 8:13:00 PM
Bis(2-chloroisopropyl)ether	ND	1,600		µg/Kg	5	11/26/2003 8:13:00 PM
Bis(2-ethylhexyl)phthalate	ND	1,600		µg/Kg	5	11/26/2003 8:13:00 PM
Butyl benzyl phthalate	ND	1,600		µg/Kg	5	11/26/2003 8:13:00 PM
Carbazole	ND	1,600		µg/Kg	5	11/26/2003 8:13:00 PM
Chrysene	ND	1,600		µg/Kg	5	11/26/2003 8:13:00 PM
Di-n-butyl phthalate	ND	1,600		µg/Kg	5	11/26/2003 8:13:00 PM
Di-n-octyl phthalate	ND	1,600		µg/Kg	5	11/26/2003 8:13:00 PM
Dibenz(a,h)anthracene	ND	1,600		µg/Kg	5	11/26/2003 8:13:00 PM
Dibenzofuran	ND	1,600		µg/Kg	5	11/26/2003 8:13:00 PM
Diethyl phthalate	ND	1,600		µg/Kg	5	11/26/2003 8:13:00 PM
Dimethyl phthalate	ND	1,600		µg/Kg	5	11/26/2003 8:13:00 PM
Fluoranthene	ND	1,600		µg/Kg	5	11/26/2003 8:13:00 PM
Fluorene	ND	1,600		µg/Kg	5	11/26/2003 8:13:00 PM
Hexachlorobenzene	ND	1,600		µg/Kg	5	11/26/2003 8:13:00 PM
Hexachlorobutadiene	ND	1,600		µg/Kg	5	11/26/2003 8:13:00 PM
Hexachlorocyclopentadiene	ND	1,600		µg/Kg	5	11/26/2003 8:13:00 PM
Hexachloroethane	ND	1,600		µg/Kg	5	11/26/2003 8:13:00 PM
Indeno(1,2,3-cd)pyrene	ND	1,600		µg/Kg	5	11/26/2003 8:13:00 PM
Isophorone	ND	1,600		µg/Kg	5	11/26/2003 8:13:00 PM
N-Nitrosodi-n-propylamine	ND	1,600		µg/Kg	5	11/26/2003 8:13:00 PM
N-Nitrosodiphenylamine	ND	1,600		µg/Kg	5	11/26/2003 8:13:00 PM
Naphthalene	ND	1,600		µg/Kg	5	11/26/2003 8:13:00 PM
Nitrobenzene	ND	1,600		µg/Kg	5	11/26/2003 8:13:00 PM
Pentachlorophenol	ND	1,600		µg/Kg	5	11/26/2003 8:13:00 PM
Phenanthrene	ND	1,600		µg/Kg	5	11/26/2003 8:13:00 PM
Phenol	ND	1,600		µg/Kg	5	11/26/2003 8:13:00 PM
Pyrene	ND	1,600		µg/Kg	5	11/26/2003 8:13:00 PM
Surr: 2,4,6-Tribromophenol	70.4	40-133		%REC	5	11/26/2003 8:13:00 PM
Surr: 2-Fluorobiphenyl	70.9	34-122		%REC	5	11/26/2003 8:13:00 PM
Surr: 2-Fluorophenol	63.3	25-115		%REC	5	11/26/2003 8:13:00 PM
Surr: 4-Terphenyl-d14	73.7	33-142		%REC	5	11/26/2003 8:13:00 PM
Surr: Nitrobenzene-d5	79.1	39-115		%REC	5	11/26/2003 8:13:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
P - Dual Column results percent difference > 40%
E - Value above quantitation range
H - Analyzed outside of Hold Time

e-Lab, Inc.

Date: *December 01, 2003*

CLIENT: Navajo Refining Company
Work Order: 0311260
Project: CRI Proj
Lab ID: 0311260-02

Client Sample ID: CRINH #1
Collection Date: 11/20/2003 2:45:00 PM
Matrix: SOIL

Analyses	Result	Report Limit	Qual	Units	Dilution Factor	Date Analyzed
Surr: Phenol-d6	64.2	20-115		%REC	5	11/26/2003 8:13:00 PM
TCL VOLATILE ORGANICS		**SW8260**				Analyst: **PC**
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1	11/22/2003 11:40:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1	11/22/2003 11:40:00 PM
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1	11/22/2003 11:40:00 PM
1,1-Dichloroethane	ND	5.0		µg/Kg	1	11/22/2003 11:40:00 PM
1,1-Dichloroethene	ND	5.0		µg/Kg	1	11/22/2003 11:40:00 PM
1,2-Dichloroethane	ND	5.0		µg/Kg	1	11/22/2003 11:40:00 PM
1,2-Dichloropropane	ND	5.0		µg/Kg	1	11/22/2003 11:40:00 PM
2-Butanone	16	10		µg/Kg	1	11/22/2003 11:40:00 PM
2-Hexanone	ND	10		µg/Kg	1	11/22/2003 11:40:00 PM
4-Methyl-2-pentanone	ND	10		µg/Kg	1	11/22/2003 11:40:00 PM
Acetone	100	25		µg/Kg	1	11/22/2003 11:40:00 PM
Benzene	ND	5.0		µg/Kg	1	11/22/2003 11:40:00 PM
Bromodichloromethane	ND	5.0		µg/Kg	1	11/22/2003 11:40:00 PM
Bromoform	ND	10		µg/Kg	1	11/22/2003 11:40:00 PM
Bromomethane	ND	10		µg/Kg	1	11/22/2003 11:40:00 PM
Carbon disulfide	ND	10		µg/Kg	1	11/22/2003 11:40:00 PM
Carbon tetrachloride	ND	5.0		µg/Kg	1	11/22/2003 11:40:00 PM
Chlorobenzene	ND	5.0		µg/Kg	1	11/22/2003 11:40:00 PM
Chloroethane	ND	10		µg/Kg	1	11/22/2003 11:40:00 PM
Chloroform	ND	5.0		µg/Kg	1	11/22/2003 11:40:00 PM
Chloromethane	ND	10		µg/Kg	1	11/22/2003 11:40:00 PM
cis-1,2-Dichloroethene	ND	5.0		µg/Kg	1	11/22/2003 11:40:00 PM
cis-1,3-Dichloropropene	ND	5.0		µg/Kg	1	11/22/2003 11:40:00 PM
Dibromochloromethane	ND	5.0		µg/Kg	1	11/22/2003 11:40:00 PM
Dichloromethane	ND	10		µg/Kg	1	11/22/2003 11:40:00 PM
Ethylbenzene	ND	5.0		µg/Kg	1	11/22/2003 11:40:00 PM
Styrene	ND	5.0		µg/Kg	1	11/22/2003 11:40:00 PM
Tetrachloroethene	ND	5.0		µg/Kg	1	11/22/2003 11:40:00 PM
Toluene	ND	5.0		µg/Kg	1	11/22/2003 11:40:00 PM
trans-1,2-Dichloroethene	ND	5.0		µg/Kg	1	11/22/2003 11:40:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/Kg	1	11/22/2003 11:40:00 PM
Trichloroethene	ND	5.0		µg/Kg	1	11/22/2003 11:40:00 PM
Vinyl chloride	ND	2.0		µg/Kg	1	11/22/2003 11:40:00 PM
Xylenes, Total	ND	15		µg/Kg	1	11/22/2003 11:40:00 PM
Surr: 1,2-Dichloroethane-d4	94.8	70-130		%REC	1	11/22/2003 11:40:00 PM
Surr: 4-Bromofluorobenzene	88.2	70-130		%REC	1	11/22/2003 11:40:00 PM
Surr: Dibromofluoromethane	86.2	70-130		%REC	1	11/22/2003 11:40:00 PM
Surr: Toluene-d8	90.7	70-130		%REC	1	11/22/2003 11:40:00 PM

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
P - Dual Column results percent difference > 40%
E - Value above quantitation range
H - Analyzed outside of Hold Time

e-Lab, Inc.

Date: *December 01, 2003*

CLIENT: Navajo Refining Company
Work Order: 0311260
Project: CRI Proj
Lab ID: 0311260-03

Client Sample ID: CRINH #2
Collection Date: 11/20/2003 2:50:00 PM
Matrix: SOIL

Analyses	Result	Report Limit	Qual	Units	Dilution Factor	Date Analyzed
MERCURY, TOTAL		**SW7471A**			Prep Date: **11/25/2003**	Analyst: **MG**
Mercury	30.9	13.3		µg/Kg	1	11/25/2003 4:40:54 PM
ICP METALS, TOTAL		**SW6020**			Prep Date: **11/24/2003**	Analyst: **SA**
Arsenic	ND	5.00		mg/Kg	1	11/25/2003 7:27:00 PM
Barium	98.2	5.00		mg/Kg	1	11/25/2003 7:27:00 PM
Cadmium	ND	5.00		mg/Kg	1	11/25/2003 7:27:00 PM
Chromium	5.13	5.00		mg/Kg	1	11/25/2003 7:27:00 PM
Lead	5.61	5.00		mg/Kg	1	11/25/2003 7:27:00 PM
Selenium	5.06	5.00		mg/Kg	1	11/25/2003 7:27:00 PM
Silver	ND	5.00		mg/Kg	1	11/25/2003 7:27:00 PM
TCL SEMIVOLATILE ORGANICS		**SW8270**			Prep Date: **11/25/2003**	Analyst: **RKG**
1,2,4-Trichlorobenzene	ND	1,600		µg/Kg	5	11/26/2003 8:39:00 PM
1,2-Dichlorobenzene	ND	1,600		µg/Kg	5	11/26/2003 8:39:00 PM
1,3-Dichlorobenzene	ND	1,600		µg/Kg	5	11/26/2003 8:39:00 PM
1,4-Dichlorobenzene	ND	1,600		µg/Kg	5	11/26/2003 8:39:00 PM
2,4,5-Trichlorophenol	ND	1,600		µg/Kg	5	11/26/2003 8:39:00 PM
2,4,6-Trichlorophenol	ND	1,600		µg/Kg	5	11/26/2003 8:39:00 PM
2,4-Dichlorophenol	ND	1,600		µg/Kg	5	11/26/2003 8:39:00 PM
2,4-Dimethylphenol	ND	1,600		µg/Kg	5	11/26/2003 8:39:00 PM
2,4-Dinitrophenol	ND	1,600		µg/Kg	5	11/26/2003 8:39:00 PM
2,4-Dinitrotoluene	ND	1,600		µg/Kg	5	11/26/2003 8:39:00 PM
2,6-Dinitrotoluene	ND	1,600		µg/Kg	5	11/26/2003 8:39:00 PM
2-Chloronaphthalene	ND	1,600		µg/Kg	5	11/26/2003 8:39:00 PM
2-Chlorophenol	ND	1,600		µg/Kg	5	11/26/2003 8:39:00 PM
2-Methylnaphthalene	ND	1,600		µg/Kg	5	11/26/2003 8:39:00 PM
2-Methylphenol	ND	1,600		µg/Kg	5	11/26/2003 8:39:00 PM
2-Nitroaniline	ND	1,600		µg/Kg	5	11/26/2003 8:39:00 PM
2-Nitrophenol	ND	1,600		µg/Kg	5	11/26/2003 8:39:00 PM
3,3'-Dichlorobenzidine	ND	1,600		µg/Kg	5	11/26/2003 8:39:00 PM
3-Nitroaniline	ND	1,600		µg/Kg	5	11/26/2003 8:39:00 PM
4,6-Dinitro-2-methylphenol	ND	1,600		µg/Kg	5	11/26/2003 8:39:00 PM
4-Bromophenyl phenyl ether	ND	1,600		µg/Kg	5	11/26/2003 8:39:00 PM
4-Chloro-3-methylphenol	ND	1,600		µg/Kg	5	11/26/2003 8:39:00 PM
4-Chloroaniline	ND	1,600		µg/Kg	5	11/26/2003 8:39:00 PM
4-Chlorophenyl phenyl ether	ND	1,600		µg/Kg	5	11/26/2003 8:39:00 PM
4-Methylphenol	ND	1,600		µg/Kg	5	11/26/2003 8:39:00 PM
4-Nitroaniline	ND	1,600		µg/Kg	5	11/26/2003 8:39:00 PM
4-Nitrophenol	ND	1,600		µg/Kg	5	11/26/2003 8:39:00 PM
Acenaphthene	ND	1,600		µg/Kg	5	11/26/2003 8:39:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
P - Dual Column results percent difference > 40%
E - Value above quantitation range
H - Analyzed outside of Hold Time

e-Lab, Inc.

Date: *December 01, 2003*

CLIENT: Navajo Refining Company
Work Order: 0311260
Project: CRI Proj
Lab ID: 0311260-03

Client Sample ID: CRINH #2
Collection Date: 11/20/2003 2:50:00 PM
Matrix: SOIL

Analyses	Result	Report Limit	Qual	Units	Dilution Factor	Date Analyzed
Acenaphthylene	ND	1,600		µg/Kg	5	11/26/2003 8:39:00 PM
Anthracene	ND	1,600		µg/Kg	5	11/26/2003 8:39:00 PM
Benz(a)anthracene	ND	1,600		µg/Kg	5	11/26/2003 8:39:00 PM
Benzo(a)pyrene	ND	1,600		µg/Kg	5	11/26/2003 8:39:00 PM
Benzo(b)fluoranthene	ND	1,600		µg/Kg	5	11/26/2003 8:39:00 PM
Benzo(g,h,i)perylene	ND	1,600		µg/Kg	5	11/26/2003 8:39:00 PM
Benzo(k)fluoranthene	ND	1,600		µg/Kg	5	11/26/2003 8:39:00 PM
Bis(2-chloroethoxy)methane	ND	1,600		µg/Kg	5	11/26/2003 8:39:00 PM
Bis(2-chloroethyl)ether	ND	1,600		µg/Kg	5	11/26/2003 8:39:00 PM
Bis(2-chloroisopropyl)ether	ND	1,600		µg/Kg	5	11/26/2003 8:39:00 PM
Bis(2-ethylhexyl)phthalate	ND	1,600		µg/Kg	5	11/26/2003 8:39:00 PM
Butyl benzyl phthalate	ND	1,600		µg/Kg	5	11/26/2003 8:39:00 PM
Carbazole	ND	1,600		µg/Kg	5	11/26/2003 8:39:00 PM
Chrysene	ND	1,600		µg/Kg	5	11/26/2003 8:39:00 PM
Di-n-butyl phthalate	ND	1,600		µg/Kg	5	11/26/2003 8:39:00 PM
Di-n-octyl phthalate	ND	1,600		µg/Kg	5	11/26/2003 8:39:00 PM
Dibenz(a,h)anthracene	ND	1,600		µg/Kg	5	11/26/2003 8:39:00 PM
Dibenzofuran	ND	1,600		µg/Kg	5	11/26/2003 8:39:00 PM
Diethyl phthalate	ND	1,600		µg/Kg	5	11/26/2003 8:39:00 PM
Dimethyl phthalate	ND	1,600		µg/Kg	5	11/26/2003 8:39:00 PM
Fluoranthene	ND	1,600		µg/Kg	5	11/26/2003 8:39:00 PM
Fluorene	ND	1,600		µg/Kg	5	11/26/2003 8:39:00 PM
Hexachlorobenzene	ND	1,600		µg/Kg	5	11/26/2003 8:39:00 PM
Hexachlorobutadiene	ND	1,600		µg/Kg	5	11/26/2003 8:39:00 PM
Hexachlorocyclopentadiene	ND	1,600		µg/Kg	5	11/26/2003 8:39:00 PM
Hexachloroethane	ND	1,600		µg/Kg	5	11/26/2003 8:39:00 PM
Indeno(1,2,3-cd)pyrene	ND	1,600		µg/Kg	5	11/26/2003 8:39:00 PM
Isophorone	ND	1,600		µg/Kg	5	11/26/2003 8:39:00 PM
N-Nitrosodi-n-propylamine	ND	1,600		µg/Kg	5	11/26/2003 8:39:00 PM
N-Nitrosodiphenylamine	ND	1,600		µg/Kg	5	11/26/2003 8:39:00 PM
Naphthalene	ND	1,600		µg/Kg	5	11/26/2003 8:39:00 PM
Nitrobenzene	ND	1,600		µg/Kg	5	11/26/2003 8:39:00 PM
Pentachlorophenol	ND	1,600		µg/Kg	5	11/26/2003 8:39:00 PM
Phenanthrene	4,300	1,600		µg/Kg	5	11/26/2003 8:39:00 PM
Phenol	ND	1,600		µg/Kg	5	11/26/2003 8:39:00 PM
Pyrene	ND	1,600		µg/Kg	5	11/26/2003 8:39:00 PM
Surr: 2,4,6-Tribromophenol	69.9	40-133		%REC	5	11/26/2003 8:39:00 PM
Surr: 2-Fluorobiphenyl	64.2	34-122		%REC	5	11/26/2003 8:39:00 PM
Surr: 2-Fluorophenol	52.8	25-115		%REC	5	11/26/2003 8:39:00 PM
Surr: 4-Terphenyl-d14	59.0	33-142		%REC	5	11/26/2003 8:39:00 PM
Surr: Nitrobenzene-d5	71.0	39-115		%REC	5	11/26/2003 8:39:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
P - Dual Column results percent difference > 40%
E - Value above quantitation range
H - Analyzed outside of Hold Time

e-Lab, Inc.

Date: *December 01, 2003*

CLIENT: Navajo Refining Company
Work Order: 0311260
Project: CRI Proj
Lab ID: 0311260-03

Client Sample ID: CRINH #2
Collection Date: 11/20/2003 2:50:00 PM
Matrix: SOIL

Analyses	Result	Report Limit	Qual	Units	Dilution Factor	Date Analyzed
Surr: Phenol-d6	55.1	20-115		%REC	5	11/26/2003 8:39:00 PM
TCL VOLATILE ORGANICS		**SW8260**				Analyst: **PC**
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1	11/23/2003 12:07:00 AM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1	11/23/2003 12:07:00 AM
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1	11/23/2003 12:07:00 AM
1,1-Dichloroethane	ND	5.0		µg/Kg	1	11/23/2003 12:07:00 AM
1,1-Dichloroethene	ND	5.0		µg/Kg	1	11/23/2003 12:07:00 AM
1,2-Dichloroethane	ND	5.0		µg/Kg	1	11/23/2003 12:07:00 AM
1,2-Dichloropropane	ND	5.0		µg/Kg	1	11/23/2003 12:07:00 AM
2-Butanone	23	10		µg/Kg	1	11/23/2003 12:07:00 AM
2-Hexanone	ND	10		µg/Kg	1	11/23/2003 12:07:00 AM
4-Methyl-2-pentanone	ND	10		µg/Kg	1	11/23/2003 12:07:00 AM
Acetone	62	25		µg/Kg	1	11/23/2003 12:07:00 AM
Benzene	ND	5.0		µg/Kg	1	11/23/2003 12:07:00 AM
Bromodichloromethane	ND	5.0		µg/Kg	1	11/23/2003 12:07:00 AM
Bromoform	ND	10		µg/Kg	1	11/23/2003 12:07:00 AM
Bromomethane	ND	10		µg/Kg	1	11/23/2003 12:07:00 AM
Carbon disulfide	ND	10		µg/Kg	1	11/23/2003 12:07:00 AM
Carbon tetrachloride	ND	5.0		µg/Kg	1	11/23/2003 12:07:00 AM
Chlorobenzene	ND	5.0		µg/Kg	1	11/23/2003 12:07:00 AM
Chloroethane	ND	10		µg/Kg	1	11/23/2003 12:07:00 AM
Chloroform	ND	5.0		µg/Kg	1	11/23/2003 12:07:00 AM
Chloromethane	ND	10		µg/Kg	1	11/23/2003 12:07:00 AM
cis-1,2-Dichloroethene	ND	5.0		µg/Kg	1	11/23/2003 12:07:00 AM
cis-1,3-Dichloropropene	ND	5.0		µg/Kg	1	11/23/2003 12:07:00 AM
Dibromochloromethane	ND	5.0		µg/Kg	1	11/23/2003 12:07:00 AM
Dichloromethane	ND	10		µg/Kg	1	11/23/2003 12:07:00 AM
Ethylbenzene	ND	5.0		µg/Kg	1	11/23/2003 12:07:00 AM
Styrene	ND	5.0		µg/Kg	1	11/23/2003 12:07:00 AM
Tetrachloroethene	ND	5.0		µg/Kg	1	11/23/2003 12:07:00 AM
Toluene	ND	5.0		µg/Kg	1	11/23/2003 12:07:00 AM
trans-1,2-Dichloroethene	ND	5.0		µg/Kg	1	11/23/2003 12:07:00 AM
trans-1,3-Dichloropropene	ND	5.0		µg/Kg	1	11/23/2003 12:07:00 AM
Trichloroethene	ND	5.0		µg/Kg	1	11/23/2003 12:07:00 AM
Vinyl chloride	ND	2.0		µg/Kg	1	11/23/2003 12:07:00 AM
Xylenes, Total	ND	15		µg/Kg	1	11/23/2003 12:07:00 AM
Surr: 1,2-Dichloroethane-d4	81.4	70-130		%REC	1	11/23/2003 12:07:00 AM
Surr: 4-Bromofluorobenzene	84.9	70-130		%REC	1	11/23/2003 12:07:00 AM
Surr: Dibromofluoromethane	82.9	70-130		%REC	1	11/23/2003 12:07:00 AM
Surr: Toluene-d8	86.6	70-130		%REC	1	11/23/2003 12:07:00 AM

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
P - Dual Column results percent difference > 40%
E - Value above quantitation range
H - Analyzed outside of Hold Time

e-Lab, Inc.

Date: *December 01, 2003*

CLIENT: Navajo Refining Company
Work Order: 0311260
Project: CRI Proj
Lab ID: 0311260-04

Client Sample ID: CRINH #3
Collection Date: 11/20/2003 2:55:00 PM
Matrix: SOIL

Analyses	Result	Report Limit	Qual	Units	Dilution Factor	Date Analyzed
MERCURY, TOTAL		**SW7471A**			Prep Date: **11/25/2003**	Analyst: **MG**
Mercury	ND	13.3		µg/Kg	1	11/25/2003 4:42:25 PM
ICP METALS, TOTAL		**SW6020**			Prep Date: **11/24/2003**	Analyst: **SA**
Arsenic	ND	5.00		mg/Kg	1	11/25/2003 7:32:00 PM
Barium	557	5.00		mg/Kg	1	11/25/2003 7:32:00 PM
Cadmium	ND	5.00		mg/Kg	1	11/25/2003 7:32:00 PM
Chromium	ND	5.00		mg/Kg	1	11/25/2003 7:32:00 PM
Lead	ND	5.00		mg/Kg	1	11/25/2003 7:32:00 PM
Selenium	ND	5.00		mg/Kg	1	11/25/2003 7:32:00 PM
Silver	ND	5.00		mg/Kg	1	11/25/2003 7:32:00 PM
TCL SEMIVOLATILE ORGANICS		**SW8270**			Prep Date: **11/25/2003**	Analyst: **RKG**
1,2,4-Trichlorobenzene	ND	330		µg/Kg	1	11/26/2003 3:08:00 PM
1,2-Dichlorobenzene	ND	330		µg/Kg	1	11/26/2003 3:08:00 PM
1,3-Dichlorobenzene	ND	330		µg/Kg	1	11/26/2003 3:08:00 PM
1,4-Dichlorobenzene	ND	330		µg/Kg	1	11/26/2003 3:08:00 PM
2,4,5-Trichlorophenol	ND	330		µg/Kg	1	11/26/2003 3:08:00 PM
2,4,6-Trichlorophenol	ND	330		µg/Kg	1	11/26/2003 3:08:00 PM
2,4-Dichlorophenol	ND	330		µg/Kg	1	11/26/2003 3:08:00 PM
2,4-Dimethylphenol	ND	330		µg/Kg	1	11/26/2003 3:08:00 PM
2,4-Dinitrophenol	ND	330		µg/Kg	1	11/26/2003 3:08:00 PM
2,4-Dinitrotoluene	ND	330		µg/Kg	1	11/26/2003 3:08:00 PM
2,6-Dinitrotoluene	ND	330		µg/Kg	1	11/26/2003 3:08:00 PM
2-Chloronaphthalene	ND	330		µg/Kg	1	11/26/2003 3:08:00 PM
2-Chlorophenol	ND	330		µg/Kg	1	11/26/2003 3:08:00 PM
2-Methylnaphthalene	ND	330		µg/Kg	1	11/26/2003 3:08:00 PM
2-Methylphenol	ND	330		µg/Kg	1	11/26/2003 3:08:00 PM
2-Nitroaniline	ND	330		µg/Kg	1	11/26/2003 3:08:00 PM
2-Nitrophenol	ND	330		µg/Kg	1	11/26/2003 3:08:00 PM
3,3'-Dichlorobenzidine	ND	330		µg/Kg	1	11/26/2003 3:08:00 PM
3-Nitroaniline	ND	330		µg/Kg	1	11/26/2003 3:08:00 PM
4,6-Dinitro-2-methylphenol	ND	330		µg/Kg	1	11/26/2003 3:08:00 PM
4-Bromophenyl phenyl ether	ND	330		µg/Kg	1	11/26/2003 3:08:00 PM
4-Chloro-3-methylphenol	ND	330		µg/Kg	1	11/26/2003 3:08:00 PM
4-Chloroaniline	ND	330		µg/Kg	1	11/26/2003 3:08:00 PM
4-Chlorophenyl phenyl ether	ND	330		µg/Kg	1	11/26/2003 3:08:00 PM
4-Methylphenol	ND	330		µg/Kg	1	11/26/2003 3:08:00 PM
4-Nitroaniline	ND	330		µg/Kg	1	11/26/2003 3:08:00 PM
4-Nitrophenol	ND	330		µg/Kg	1	11/26/2003 3:08:00 PM
Acenaphthene	ND	330		µg/Kg	1	11/26/2003 3:08:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
P - Dual Column results percent difference > 40%
E - Value above quantitation range
H - Analyzed outside of Hold Time

e-Lab, Inc.

Date: *December 01, 2003*

CLIENT: Navajo Refining Company
Work Order: 0311260
Project: CRI Proj
Lab ID: 0311260-04

Client Sample ID: CRINH #3
Collection Date: 11/20/2003 2:55:00 PM
Matrix: SOIL

Analyses	Result	Report Limit	Qual	Units	Dilution Factor	Date Analyzed
Acenaphthylene	ND	330		µg/Kg	1	11/26/2003 3:08:00 PM
Anthracene	ND	330		µg/Kg	1	11/26/2003 3:08:00 PM
Benz(a)anthracene	ND	330		µg/Kg	1	11/26/2003 3:08:00 PM
Benzo(a)pyrene	ND	330		µg/Kg	1	11/26/2003 3:08:00 PM
Benzo(b)fluoranthene	ND	330		µg/Kg	1	11/26/2003 3:08:00 PM
Benzo(g,h,i)perylene	ND	330		µg/Kg	1	11/26/2003 3:08:00 PM
Benzo(k)fluoranthene	ND	330		µg/Kg	1	11/26/2003 3:08:00 PM
Bis(2-chloroethoxy)methane	ND	330		µg/Kg	1	11/26/2003 3:08:00 PM
Bis(2-chloroethyl)ether	ND	330		µg/Kg	1	11/26/2003 3:08:00 PM
Bis(2-chloroisopropyl)ether	ND	330		µg/Kg	1	11/26/2003 3:08:00 PM
Bis(2-ethylhexyl)phthalate	ND	330		µg/Kg	1	11/26/2003 3:08:00 PM
Butyl benzyl phthalate	ND	330		µg/Kg	1	11/26/2003 3:08:00 PM
Carbazole	ND	330		µg/Kg	1	11/26/2003 3:08:00 PM
Chrysene	ND	330		µg/Kg	1	11/26/2003 3:08:00 PM
Di-n-butyl phthalate	ND	330		µg/Kg	1	11/26/2003 3:08:00 PM
Di-n-octyl phthalate	ND	330		µg/Kg	1	11/26/2003 3:08:00 PM
Dibenz(a,h)anthracene	ND	330		µg/Kg	1	11/26/2003 3:08:00 PM
Dibenzofuran	ND	330		µg/Kg	1	11/26/2003 3:08:00 PM
Diethyl phthalate	ND	330		µg/Kg	1	11/26/2003 3:08:00 PM
Dimethyl phthalate	ND	330		µg/Kg	1	11/26/2003 3:08:00 PM
Fluoranthene	ND	330		µg/Kg	1	11/26/2003 3:08:00 PM
Fluorene	ND	330		µg/Kg	1	11/26/2003 3:08:00 PM
Hexachlorobenzene	ND	330		µg/Kg	1	11/26/2003 3:08:00 PM
Hexachlorobutadiene	ND	330		µg/Kg	1	11/26/2003 3:08:00 PM
Hexachlorocyclopentadiene	ND	330		µg/Kg	1	11/26/2003 3:08:00 PM
Hexachloroethane	ND	330		µg/Kg	1	11/26/2003 3:08:00 PM
Indeno(1,2,3-cd)pyrene	ND	330		µg/Kg	1	11/26/2003 3:08:00 PM
Isophorone	ND	330		µg/Kg	1	11/26/2003 3:08:00 PM
N-Nitrosodi-n-propylamine	ND	330		µg/Kg	1	11/26/2003 3:08:00 PM
N-Nitrosodiphenylamine	ND	330		µg/Kg	1	11/26/2003 3:08:00 PM
Naphthalene	ND	330		µg/Kg	1	11/26/2003 3:08:00 PM
Nitrobenzene	ND	330		µg/Kg	1	11/26/2003 3:08:00 PM
Pentachlorophenol	ND	330		µg/Kg	1	11/26/2003 3:08:00 PM
Phenanthrene	340	330		µg/Kg	1	11/26/2003 3:08:00 PM
Phenol	ND	330		µg/Kg	1	11/26/2003 3:08:00 PM
Pyrene	ND	330		µg/Kg	1	11/26/2003 3:08:00 PM
Surr: 2,4,6-Tribromophenol	66.0	40-133		%REC	1	11/26/2003 3:08:00 PM
Surr: 2-Fluorobiphenyl	70.1	34-122		%REC	1	11/26/2003 3:08:00 PM
Surr: 2-Fluorophenol	55.2	25-115		%REC	1	11/26/2003 3:08:00 PM
Surr: 4-Terphenyl-d14	71.4	33-142		%REC	1	11/26/2003 3:08:00 PM
Surr: Nitrobenzene-d5	78.5	39-115		%REC	1	11/26/2003 3:08:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
P - Dual Column results percent difference > 40%
E - Value above quantitation range
H - Analyzed outside of Hold Time

e-Lab, Inc.

Date: *December 01, 2003*

CLIENT: Navajo Refining Company
Work Order: 0311260
Project: CRI Proj
Lab ID: 0311260-04

Client Sample ID: CRINH #3
Collection Date: 11/20/2003 2:55:00 PM
Matrix: SOIL

Analyses	Result	Report Limit	Qual	Units	Dilution Factor	Date Analyzed
Surr: Phenol-d6	61.2	20-115		%REC	1	11/26/2003 3:08:00 PM
TCL VOLATILE ORGANICS		**SW8260**				Analyst: **HLBW**
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1	11/26/2003 10:47:00 AM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1	11/26/2003 10:47:00 AM
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1	11/26/2003 10:47:00 AM
1,1-Dichloroethane	ND	5.0		µg/Kg	1	11/26/2003 10:47:00 AM
1,1-Dichloroethene	ND	5.0		µg/Kg	1	11/26/2003 10:47:00 AM
1,2-Dichloroethane	ND	5.0		µg/Kg	1	11/26/2003 10:47:00 AM
1,2-Dichloropropane	ND	5.0		µg/Kg	1	11/26/2003 10:47:00 AM
2-Butanone	ND	10		µg/Kg	1	11/26/2003 10:47:00 AM
2-Hexanone	ND	10		µg/Kg	1	11/26/2003 10:47:00 AM
4-Methyl-2-pentanone	ND	10		µg/Kg	1	11/26/2003 10:47:00 AM
Acetone	27	25		µg/Kg	1	11/26/2003 10:47:00 AM
Benzene	ND	5.0		µg/Kg	1	11/26/2003 10:47:00 AM
Bromodichloromethane	ND	5.0		µg/Kg	1	11/26/2003 10:47:00 AM
Bromoform	ND	10		µg/Kg	1	11/26/2003 10:47:00 AM
Bromomethane	ND	10		µg/Kg	1	11/26/2003 10:47:00 AM
Carbon disulfide	ND	10		µg/Kg	1	11/26/2003 10:47:00 AM
Carbon tetrachloride	ND	5.0		µg/Kg	1	11/26/2003 10:47:00 AM
Chlorobenzene	ND	5.0		µg/Kg	1	11/26/2003 10:47:00 AM
Chloroethane	ND	10		µg/Kg	1	11/26/2003 10:47:00 AM
Chloroform	ND	5.0		µg/Kg	1	11/26/2003 10:47:00 AM
Chloromethane	ND	10		µg/Kg	1	11/26/2003 10:47:00 AM
cis-1,2-Dichloroethene	ND	5.0		µg/Kg	1	11/26/2003 10:47:00 AM
cis-1,3-Dichloropropene	ND	5.0		µg/Kg	1	11/26/2003 10:47:00 AM
Dibromochloromethane	ND	5.0		µg/Kg	1	11/26/2003 10:47:00 AM
Dichloromethane	ND	10		µg/Kg	1	11/26/2003 10:47:00 AM
Ethylbenzene	ND	5.0		µg/Kg	1	11/26/2003 10:47:00 AM
Styrene	ND	5.0		µg/Kg	1	11/26/2003 10:47:00 AM
Tetrachloroethene	ND	5.0		µg/Kg	1	11/26/2003 10:47:00 AM
Toluene	ND	5.0		µg/Kg	1	11/26/2003 10:47:00 AM
trans-1,2-Dichloroethene	ND	5.0		µg/Kg	1	11/26/2003 10:47:00 AM
trans-1,3-Dichloropropene	ND	5.0		µg/Kg	1	11/26/2003 10:47:00 AM
Trichloroethene	ND	5.0		µg/Kg	1	11/26/2003 10:47:00 AM
Vinyl chloride	ND	2.0		µg/Kg	1	11/26/2003 10:47:00 AM
Xylenes, Total	ND	15		µg/Kg	1	11/26/2003 10:47:00 AM
Surr: 1,2-Dichloroethane-d4	90.3	70-130		%REC	1	11/26/2003 10:47:00 AM
Surr: 4-Bromofluorobenzene	83.6	70-130		%REC	1	11/26/2003 10:47:00 AM
Surr: Dibromofluoromethane	86.9	70-130		%REC	1	11/26/2003 10:47:00 AM
Surr: Toluene-d8	87.0	70-130		%REC	1	11/26/2003 10:47:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
P - Dual Column results percent difference > 40%
E - Value above quantitation range
H - Analyzed outside of Hold Time

e-Lab, Inc.

Date: *December 01, 2003*

CLIENT: Navajo Refining Company
Work Order: 0311260
Project: CRI Proj
Lab ID: 0311260-05

Client Sample ID: CRINH #4
Collection Date: 11/20/2003 3:00:00 PM
Matrix: SOIL

Analyses	Result	Report Limit	Qual	Units	Dilution Factor	Date Analyzed
MERCURY, TOTAL		**SW7471A**			Prep Date: **11/25/2003**	Analyst: **MG**
Mercury	18.8	13.3		µg/Kg	1	11/25/2003 4:43:57 PM
ICP METALS, TOTAL		**SW6020**			Prep Date: **11/24/2003**	Analyst: **SA**
Arsenic	ND	5.00		mg/Kg	1	11/25/2003 7:37:00 PM
Barium	24.1	5.00		mg/Kg	1	11/25/2003 7:37:00 PM
Cadmium	ND	5.00		mg/Kg	1	11/25/2003 7:37:00 PM
Chromium	ND	5.00		mg/Kg	1	11/25/2003 7:37:00 PM
Lead	ND	5.00		mg/Kg	1	11/25/2003 7:37:00 PM
Selenium	ND	5.00		mg/Kg	1	11/25/2003 7:37:00 PM
Silver	ND	5.00		mg/Kg	1	11/25/2003 7:37:00 PM
TCL SEMIVOLATILE ORGANICS		**SW8270**			Prep Date: **11/25/2003**	Analyst: **RKG**
1,2,4-Trichlorobenzene	ND	1,600		µg/Kg	5	11/26/2003 9:30:00 PM
1,2-Dichlorobenzene	ND	1,600		µg/Kg	5	11/26/2003 9:30:00 PM
1,3-Dichlorobenzene	ND	1,600		µg/Kg	5	11/26/2003 9:30:00 PM
1,4-Dichlorobenzene	ND	1,600		µg/Kg	5	11/26/2003 9:30:00 PM
2,4,5-Trichlorophenol	ND	1,600		µg/Kg	5	11/26/2003 9:30:00 PM
2,4,6-Trichlorophenol	ND	1,600		µg/Kg	5	11/26/2003 9:30:00 PM
2,4-Dichlorophenol	ND	1,600		µg/Kg	5	11/26/2003 9:30:00 PM
2,4-Dimethylphenol	ND	1,600		µg/Kg	5	11/26/2003 9:30:00 PM
2,4-Dinitrophenol	ND	1,600		µg/Kg	5	11/26/2003 9:30:00 PM
2,4-Dinitrotoluene	ND	1,600		µg/Kg	5	11/26/2003 9:30:00 PM
2,6-Dinitrotoluene	ND	1,600		µg/Kg	5	11/26/2003 9:30:00 PM
2-Chloronaphthalene	ND	1,600		µg/Kg	5	11/26/2003 9:30:00 PM
2-Chlorophenol	ND	1,600		µg/Kg	5	11/26/2003 9:30:00 PM
2-Methylnaphthalene	ND	1,600		µg/Kg	5	11/26/2003 9:30:00 PM
2-Methylphenol	ND	1,600		µg/Kg	5	11/26/2003 9:30:00 PM
2-Nitroaniline	ND	1,600		µg/Kg	5	11/26/2003 9:30:00 PM
2-Nitrophenol	ND	1,600		µg/Kg	5	11/26/2003 9:30:00 PM
3,3'-Dichlorobenzidine	ND	1,600		µg/Kg	5	11/26/2003 9:30:00 PM
3-Nitroaniline	ND	1,600		µg/Kg	5	11/26/2003 9:30:00 PM
4,6-Dinitro-2-methylphenol	ND	1,600		µg/Kg	5	11/26/2003 9:30:00 PM
4-Bromophenyl phenyl ether	ND	1,600		µg/Kg	5	11/26/2003 9:30:00 PM
4-Chloro-3-methylphenol	ND	1,600		µg/Kg	5	11/26/2003 9:30:00 PM
4-Chloroaniline	ND	1,600		µg/Kg	5	11/26/2003 9:30:00 PM
4-Chlorophenyl phenyl ether	ND	1,600		µg/Kg	5	11/26/2003 9:30:00 PM
4-Methylphenol	ND	1,600		µg/Kg	5	11/26/2003 9:30:00 PM
4-Nitroaniline	ND	1,600		µg/Kg	5	11/26/2003 9:30:00 PM
4-Nitrophenol	ND	1,600		µg/Kg	5	11/26/2003 9:30:00 PM
Acenaphthene	ND	1,600		µg/Kg	5	11/26/2003 9:30:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
P - Dual Column results percent difference > 40%
E - Value above quantitation range
H - Analyzed outside of Hold Time

e-Lab, Inc.

Date: *December 01, 2003*

CLIENT: Navajo Refining Company
Work Order: 0311260
Project: CRI Proj
Lab ID: 0311260-05

Client Sample ID: CRINH #4
Collection Date: 11/20/2003 3:00:00 PM
Matrix: SOIL

Analyses	Result	Report Limit	Qual	Units	Dilution Factor	Date Analyzed
Acenaphthylene	ND	1,600		µg/Kg	5	11/26/2003 9:30:00 PM
Anthracene	ND	1,600		µg/Kg	5	11/26/2003 9:30:00 PM
Benz(a)anthracene	ND	1,600		µg/Kg	5	11/26/2003 9:30:00 PM
Benzo(a)pyrene	ND	1,600		µg/Kg	5	11/26/2003 9:30:00 PM
Benzo(b)fluoranthene	ND	1,600		µg/Kg	5	11/26/2003 9:30:00 PM
Benzo(g,h,i)perylene	ND	1,600		µg/Kg	5	11/26/2003 9:30:00 PM
Benzo(k)fluoranthene	ND	1,600		µg/Kg	5	11/26/2003 9:30:00 PM
Bis(2-chloroethoxy)methane	ND	1,600		µg/Kg	5	11/26/2003 9:30:00 PM
Bis(2-chloroethyl)ether	ND	1,600		µg/Kg	5	11/26/2003 9:30:00 PM
Bis(2-chloroisopropyl)ether	ND	1,600		µg/Kg	5	11/26/2003 9:30:00 PM
Bis(2-ethylhexyl)phthalate	ND	1,600		µg/Kg	5	11/26/2003 9:30:00 PM
Butyl benzyl phthalate	ND	1,600		µg/Kg	5	11/26/2003 9:30:00 PM
Carbazole	ND	1,600		µg/Kg	5	11/26/2003 9:30:00 PM
Chrysene	ND	1,600		µg/Kg	5	11/26/2003 9:30:00 PM
Di-n-butyl phthalate	ND	1,600		µg/Kg	5	11/26/2003 9:30:00 PM
Di-n-octyl phthalate	ND	1,600		µg/Kg	5	11/26/2003 9:30:00 PM
Dibenz(a,h)anthracene	ND	1,600		µg/Kg	5	11/26/2003 9:30:00 PM
Dibenzofuran	ND	1,600		µg/Kg	5	11/26/2003 9:30:00 PM
Diethyl phthalate	ND	1,600		µg/Kg	5	11/26/2003 9:30:00 PM
Dimethyl phthalate	ND	1,600		µg/Kg	5	11/26/2003 9:30:00 PM
Fluoranthene	ND	1,600		µg/Kg	5	11/26/2003 9:30:00 PM
Fluorene	ND	1,600		µg/Kg	5	11/26/2003 9:30:00 PM
Hexachlorobenzene	ND	1,600		µg/Kg	5	11/26/2003 9:30:00 PM
Hexachlorobutadiene	ND	1,600		µg/Kg	5	11/26/2003 9:30:00 PM
Hexachlorocyclopentadiene	ND	1,600		µg/Kg	5	11/26/2003 9:30:00 PM
Hexachloroethane	ND	1,600		µg/Kg	5	11/26/2003 9:30:00 PM
Indeno(1,2,3-cd)pyrene	ND	1,600		µg/Kg	5	11/26/2003 9:30:00 PM
Isophorone	ND	1,600		µg/Kg	5	11/26/2003 9:30:00 PM
N-Nitrosodi-n-propylamine	ND	1,600		µg/Kg	5	11/26/2003 9:30:00 PM
N-Nitrosodiphenylamine	ND	1,600		µg/Kg	5	11/26/2003 9:30:00 PM
Naphthalene	ND	1,600		µg/Kg	5	11/26/2003 9:30:00 PM
Nitrobenzene	ND	1,600		µg/Kg	5	11/26/2003 9:30:00 PM
Pentachlorophenol	ND	1,600		µg/Kg	5	11/26/2003 9:30:00 PM
Phenanthrene	1,900	1,600		µg/Kg	5	11/26/2003 9:30:00 PM
Phenol	ND	1,600		µg/Kg	5	11/26/2003 9:30:00 PM
Pyrene	ND	1,600		µg/Kg	5	11/26/2003 9:30:00 PM
Surr: 2,4,6-Tribromophenol	72.4	40-133		%REC	5	11/26/2003 9:30:00 PM
Surr: 2-Fluorobiphenyl	62.4	34-122		%REC	5	11/26/2003 9:30:00 PM
Surr: 2-Fluorophenol	51.8	25-115		%REC	5	11/26/2003 9:30:00 PM
Surr: 4-Terphenyl-d14	63.8	33-142		%REC	5	11/26/2003 9:30:00 PM
Surr: Nitrobenzene-d5	73.8	39-115		%REC	5	11/26/2003 9:30:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
P - Dual Column results percent difference > 40%
E - Value above quantitation range
H - Analyzed outside of Hold Time

e-Lab, Inc.

Date: *December 01, 2003*

CLIENT: Navajo Refining Company
Work Order: 0311260
Project: CRI Proj
Lab ID: 0311260-05

Client Sample ID: CRINH #4
Collection Date: 11/20/2003 3:00:00 PM
Matrix: SOIL

Analyses	Result	Report Limit	Qual	Units	Dilution Factor	Date Analyzed
Surr: Phenol-d6	59.6	20-115		%REC	5	11/26/2003 9:30:00 PM
TCL VOLATILE ORGANICS		**SW8260**				Analyst: **PC**
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1	11/24/2003 6:20:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1	11/24/2003 6:20:00 PM
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1	11/24/2003 6:20:00 PM
1,1-Dichloroethane	ND	5.0		µg/Kg	1	11/24/2003 6:20:00 PM
1,1-Dichloroethene	ND	5.0		µg/Kg	1	11/24/2003 6:20:00 PM
1,2-Dichloroethane	ND	5.0		µg/Kg	1	11/24/2003 6:20:00 PM
1,2-Dichloropropane	ND	5.0		µg/Kg	1	11/24/2003 6:20:00 PM
2-Butanone	ND	10		µg/Kg	1	11/24/2003 6:20:00 PM
2-Hexanone	ND	10		µg/Kg	1	11/24/2003 6:20:00 PM
4-Methyl-2-pentanone	ND	10		µg/Kg	1	11/24/2003 6:20:00 PM
Acetone	ND	25		µg/Kg	1	11/24/2003 6:20:00 PM
Benzene	ND	5.0		µg/Kg	1	11/24/2003 6:20:00 PM
Bromodichloromethane	ND	5.0		µg/Kg	1	11/24/2003 6:20:00 PM
Bromoform	ND	10		µg/Kg	1	11/24/2003 6:20:00 PM
Bromomethane	ND	10		µg/Kg	1	11/24/2003 6:20:00 PM
Carbon disulfide	ND	10		µg/Kg	1	11/24/2003 6:20:00 PM
Carbon tetrachloride	ND	5.0		µg/Kg	1	11/24/2003 6:20:00 PM
Chlorobenzene	ND	5.0		µg/Kg	1	11/24/2003 6:20:00 PM
Chloroethane	ND	10		µg/Kg	1	11/24/2003 6:20:00 PM
Chloroform	ND	5.0		µg/Kg	1	11/24/2003 6:20:00 PM
Chloromethane	ND	10		µg/Kg	1	11/24/2003 6:20:00 PM
cis-1,2-Dichloroethene	ND	5.0		µg/Kg	1	11/24/2003 6:20:00 PM
cis-1,3-Dichloropropene	ND	5.0		µg/Kg	1	11/24/2003 6:20:00 PM
Dibromochloromethane	ND	5.0		µg/Kg	1	11/24/2003 6:20:00 PM
Dichloromethane	ND	10		µg/Kg	1	11/24/2003 6:20:00 PM
Ethylbenzene	ND	5.0		µg/Kg	1	11/24/2003 6:20:00 PM
Styrene	ND	5.0		µg/Kg	1	11/24/2003 6:20:00 PM
Tetrachloroethene	ND	5.0		µg/Kg	1	11/24/2003 6:20:00 PM
Toluene	ND	5.0		µg/Kg	1	11/24/2003 6:20:00 PM
trans-1,2-Dichloroethene	ND	5.0		µg/Kg	1	11/24/2003 6:20:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/Kg	1	11/24/2003 6:20:00 PM
Trichloroethene	ND	5.0		µg/Kg	1	11/24/2003 6:20:00 PM
Vinyl chloride	ND	2.0		µg/Kg	1	11/24/2003 6:20:00 PM
Xylenes, Total	ND	15		µg/Kg	1	11/24/2003 6:20:00 PM
Surr: 1,2-Dichloroethane-d4	76.6	70-130		%REC	1	11/24/2003 6:20:00 PM
Surr: 4-Bromofluorobenzene	75.9	70-130		%REC	1	11/24/2003 6:20:00 PM
Surr: Dibromofluoromethane	85.5	70-130		%REC	1	11/24/2003 6:20:00 PM
Surr: Toluene-d8	104	70-130		%REC	1	11/24/2003 6:20:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
P - Dual Column results percent difference > 40%
E - Value above quantitation range
H - Analyzed outside of Hold Time

e-Lab, Inc.

Date: *December 01, 2003*

CLIENT: Navajo Refining Company
Work Order: 0311260
Project: CRI Proj
Lab ID: 0311260-06

Client Sample ID: CRINH #5
Collection Date: 11/20/2003 3:05:00 PM
Matrix: SOIL

Analyses	Result	Report Limit	Qual	Units	Dilution Factor	Date Analyzed
MERCURY, TOTAL		**SW7471A**			Prep Date: **11/25/2003**	Analyst: **MG**
Mercury	23.2	13.3		µg/Kg	1	11/25/2003 4:45:29 PM
ICP METALS, TOTAL		**SW6020**			Prep Date: **11/24/2003**	Analyst: **SA**
Arsenic	ND	5.00		mg/Kg	1	11/25/2003 7:42:00 PM
Barium	64.8	5.00		mg/Kg	1	11/25/2003 7:42:00 PM
Cadmium	ND	5.00		mg/Kg	1	11/25/2003 7:42:00 PM
Chromium	6.86	5.00		mg/Kg	1	11/25/2003 7:42:00 PM
Lead	142	5.00		mg/Kg	1	11/25/2003 7:42:00 PM
Selenium	12.0	5.00		mg/Kg	1	11/25/2003 7:42:00 PM
Silver	ND	5.00		mg/Kg	1	11/25/2003 7:42:00 PM
TCL SEMIVOLATILE ORGANICS		**SW8270**			Prep Date: **11/25/2003**	Analyst: **RKG**
1,2,4-Trichlorobenzene	ND	1,600		µg/Kg	5	11/26/2003 9:56:00 PM
1,2-Dichlorobenzene	ND	1,600		µg/Kg	5	11/26/2003 9:56:00 PM
1,3-Dichlorobenzene	ND	1,600		µg/Kg	5	11/26/2003 9:56:00 PM
1,4-Dichlorobenzene	ND	1,600		µg/Kg	5	11/26/2003 9:56:00 PM
2,4,5-Trichlorophenol	ND	1,600		µg/Kg	5	11/26/2003 9:56:00 PM
2,4,6-Trichlorophenol	ND	1,600		µg/Kg	5	11/26/2003 9:56:00 PM
2,4-Dichlorophenol	ND	1,600		µg/Kg	5	11/26/2003 9:56:00 PM
2,4-Dimethylphenol	ND	1,600		µg/Kg	5	11/26/2003 9:56:00 PM
2,4-Dinitrophenol	ND	1,600		µg/Kg	5	11/26/2003 9:56:00 PM
2,4-Dinitrotoluene	ND	1,600		µg/Kg	5	11/26/2003 9:56:00 PM
2,6-Dinitrotoluene	ND	1,600		µg/Kg	5	11/26/2003 9:56:00 PM
2-Chloronaphthalene	ND	1,600		µg/Kg	5	11/26/2003 9:56:00 PM
2-Chlorophenol	ND	1,600		µg/Kg	5	11/26/2003 9:56:00 PM
2-Methylnaphthalene	ND	1,600		µg/Kg	5	11/26/2003 9:56:00 PM
2-Methylphenol	ND	1,600		µg/Kg	5	11/26/2003 9:56:00 PM
2-Nitroaniline	ND	1,600		µg/Kg	5	11/26/2003 9:56:00 PM
2-Nitrophenol	ND	1,600		µg/Kg	5	11/26/2003 9:56:00 PM
3,3'-Dichlorobenzidine	ND	1,600		µg/Kg	5	11/26/2003 9:56:00 PM
3-Nitroaniline	ND	1,600		µg/Kg	5	11/26/2003 9:56:00 PM
4,6-Dinitro-2-methylphenol	ND	1,600		µg/Kg	5	11/26/2003 9:56:00 PM
4-Bromophenyl phenyl ether	ND	1,600		µg/Kg	5	11/26/2003 9:56:00 PM
4-Chloro-3-methylphenol	ND	1,600		µg/Kg	5	11/26/2003 9:56:00 PM
4-Chloroaniline	ND	1,600		µg/Kg	5	11/26/2003 9:56:00 PM
4-Chlorophenyl phenyl ether	ND	1,600		µg/Kg	5	11/26/2003 9:56:00 PM
4-Methylphenol	ND	1,600		µg/Kg	5	11/26/2003 9:56:00 PM
4-Nitroaniline	ND	1,600		µg/Kg	5	11/26/2003 9:56:00 PM
4-Nitrophenol	ND	1,600		µg/Kg	5	11/26/2003 9:56:00 PM
Acenaphthene	ND	1,600		µg/Kg	5	11/26/2003 9:56:00 PM

Qualifiers:

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J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
P - Dual Column results percent difference > 40%
E - Value above quantitation range
H - Analyzed outside of Hold Time

e-Lab, Inc.

Date: *December 01, 2003*

CLIENT:	Navajo Refining Company	**Client Sample ID:**	CRINH #5
Work Order:	0311260	**Collection Date:**	11/20/2003 3:05:00 PM
Project:	CRI Proj		
Lab ID:	0311260-06	**Matrix:**	SOIL

Analyses	Result	Report Limit	Qual	Units	Dilution Factor	Date Analyzed
Acenaphthylene	ND	1,600		µg/Kg	5	11/26/2003 9:56:00 PM
Anthracene	ND	1,600		µg/Kg	5	11/26/2003 9:56:00 PM
Benz(a)anthracene	ND	1,600		µg/Kg	5	11/26/2003 9:56:00 PM
Benzo(a)pyrene	ND	1,600		µg/Kg	5	11/26/2003 9:56:00 PM
Benzo(b)fluoranthene	ND	1,600		µg/Kg	5	11/26/2003 9:56:00 PM
Benzo(g,h,i)perylene	ND	1,600		µg/Kg	5	11/26/2003 9:56:00 PM
Benzo(k)fluoranthene	ND	1,600		µg/Kg	5	11/26/2003 9:56:00 PM
Bis(2-chloroethoxy)methane	ND	1,600		µg/Kg	5	11/26/2003 9:56:00 PM
Bis(2-chloroethyl)ether	ND	1,600		µg/Kg	5	11/26/2003 9:56:00 PM
Bis(2-chloroisopropyl)ether	ND	1,600		µg/Kg	5	11/26/2003 9:56:00 PM
Bis(2-ethylhexyl)phthalate	ND	1,600		µg/Kg	5	11/26/2003 9:56:00 PM
Butyl benzyl phthalate	ND	1,600		µg/Kg	5	11/26/2003 9:56:00 PM
Carbazole	ND	1,600		µg/Kg	5	11/26/2003 9:56:00 PM
Chrysene	ND	1,600		µg/Kg	5	11/26/2003 9:56:00 PM
Di-n-butyl phthalate	ND	1,600		µg/Kg	5	11/26/2003 9:56:00 PM
Di-n-octyl phthalate	ND	1,600		µg/Kg	5	11/26/2003 9:56:00 PM
Dibenz(a,h)anthracene	ND	1,600		µg/Kg	5	11/26/2003 9:56:00 PM
Dibenzofuran	ND	1,600		µg/Kg	5	11/26/2003 9:56:00 PM
Diethyl phthalate	ND	1,600		µg/Kg	5	11/26/2003 9:56:00 PM
Dimethyl phthalate	ND	1,600		µg/Kg	5	11/26/2003 9:56:00 PM
Fluoranthene	ND	1,600		µg/Kg	5	11/26/2003 9:56:00 PM
Fluorene	ND	1,600		µg/Kg	5	11/26/2003 9:56:00 PM
Hexachlorobenzene	ND	1,600		µg/Kg	5	11/26/2003 9:56:00 PM
Hexachlorobutadiene	ND	1,600		µg/Kg	5	11/26/2003 9:56:00 PM
Hexachlorocyclopentadiene	ND	1,600		µg/Kg	5	11/26/2003 9:56:00 PM
Hexachloroethane	ND	1,600		µg/Kg	5	11/26/2003 9:56:00 PM
Indeno(1,2,3-cd)pyrene	ND	1,600		µg/Kg	5	11/26/2003 9:56:00 PM
Isophorone	ND	1,600		µg/Kg	5	11/26/2003 9:56:00 PM
N-Nitrosodi-n-propylamine	ND	1,600		µg/Kg	5	11/26/2003 9:56:00 PM
N-Nitrosodiphenylamine	ND	1,600		µg/Kg	5	11/26/2003 9:56:00 PM
Naphthalene	ND	1,600		µg/Kg	5	11/26/2003 9:56:00 PM
Nitrobenzene	ND	1,600		µg/Kg	5	11/26/2003 9:56:00 PM
Pentachlorophenol	ND	1,600		µg/Kg	5	11/26/2003 9:56:00 PM
Phenanthrene	ND	1,600		µg/Kg	5	11/26/2003 9:56:00 PM
Phenol	ND	1,600		µg/Kg	5	11/26/2003 9:56:00 PM
Pyrene	ND	1,600		µg/Kg	5	11/26/2003 9:56:00 PM
Surr: 2,4,6-Tribromophenol	75.6	40-133		%REC	5	11/26/2003 9:56:00 PM
Surr: 2-Fluorobiphenyl	66.9	34-122		%REC	5	11/26/2003 9:56:00 PM
Surr: 2-Fluorophenol	44.8	25-115		%REC	5	11/26/2003 9:56:00 PM
Surr: 4-Terphenyl-d14	59.1	33-142		%REC	5	11/26/2003 9:56:00 PM
Surr: Nitrobenzene-d5	64.6	39-115		%REC	5	11/26/2003 9:56:00 PM

Qualifiers:

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* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
P - Dual Column results percent difference > 40%
E - Value above quantitation range
H - Analyzed outside of Hold Time

e-Lab, Inc.

Date: *December 01, 2003*

CLIENT: Navajo Refining Company
Work Order: 0311260
Project: CRI Proj
Lab ID: 0311260-06

Client Sample ID: CRINH #5
Collection Date: 11/20/2003 3:05:00 PM
Matrix: SOIL

Analyses	Result	Report Limit	Qual	Units	Dilution Factor	Date Analyzed
Surr: Phenol-d6	58.3	20-115		%REC	5	11/26/2003 9:56:00 PM
TCL VOLATILE ORGANICS		**SW8260**				Analyst: **PC**
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1	11/24/2003 8:33:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1	11/24/2003 8:33:00 PM
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1	11/24/2003 8:33:00 PM
1,1-Dichloroethane	ND	5.0		µg/Kg	1	11/24/2003 8:33:00 PM
1,1-Dichloroethene	ND	5.0		µg/Kg	1	11/24/2003 8:33:00 PM
1,2-Dichloroethane	ND	5.0		µg/Kg	1	11/24/2003 8:33:00 PM
1,2-Dichloropropane	ND	5.0		µg/Kg	1	11/24/2003 8:33:00 PM
2-Butanone	ND	10		µg/Kg	1	11/24/2003 8:33:00 PM
2-Hexanone	ND	10		µg/Kg	1	11/24/2003 8:33:00 PM
4-Methyl-2-pentanone	ND	10		µg/Kg	1	11/24/2003 8:33:00 PM
Acetone	ND	25		µg/Kg	1	11/24/2003 8:33:00 PM
Benzene	ND	5.0		µg/Kg	1	11/24/2003 8:33:00 PM
Bromodichloromethane	ND	5.0		µg/Kg	1	11/24/2003 8:33:00 PM
Bromoform	ND	10		µg/Kg	1	11/24/2003 8:33:00 PM
Bromomethane	ND	10		µg/Kg	1	11/24/2003 8:33:00 PM
Carbon disulfide	ND	10		µg/Kg	1	11/24/2003 8:33:00 PM
Carbon tetrachloride	ND	5.0		µg/Kg	1	11/24/2003 8:33:00 PM
Chlorobenzene	ND	5.0		µg/Kg	1	11/24/2003 8:33:00 PM
Chloroethane	ND	10		µg/Kg	1	11/24/2003 8:33:00 PM
Chloroform	ND	5.0		µg/Kg	1	11/24/2003 8:33:00 PM
Chloromethane	ND	10		µg/Kg	1	11/24/2003 8:33:00 PM
cis-1,2-Dichloroethene	ND	5.0		µg/Kg	1	11/24/2003 8:33:00 PM
cis-1,3-Dichloropropene	ND	5.0		µg/Kg	1	11/24/2003 8:33:00 PM
Dibromochloromethane	ND	5.0		µg/Kg	1	11/24/2003 8:33:00 PM
Dichloromethane	ND	10		µg/Kg	1	11/24/2003 8:33:00 PM
Ethylbenzene	ND	5.0		µg/Kg	1	11/24/2003 8:33:00 PM
Styrene	ND	5.0		µg/Kg	1	11/24/2003 8:33:00 PM
Tetrachloroethene	ND	5.0		µg/Kg	1	11/24/2003 8:33:00 PM
Toluene	ND	5.0		µg/Kg	1	11/24/2003 8:33:00 PM
trans-1,2-Dichloroethene	ND	5.0		µg/Kg	1	11/24/2003 8:33:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/Kg	1	11/24/2003 8:33:00 PM
Trichloroethene	ND	5.0		µg/Kg	1	11/24/2003 8:33:00 PM
Vinyl chloride	ND	2.0		µg/Kg	1	11/24/2003 8:33:00 PM
Xylenes, Total	ND	15		µg/Kg	1	11/24/2003 8:33:00 PM
Surr: 1,2-Dichloroethane-d4	58.0	70-130	S	%REC	1	11/24/2003 8:33:00 PM
Surr: 4-Bromofluorobenzene	74.6	70-130		%REC	1	11/24/2003 8:33:00 PM
Surr: Dibromofluoromethane	73.5	70-130		%REC	1	11/24/2003 8:33:00 PM
Surr: Toluene-d8	90.9	70-130		%REC	1	11/24/2003 8:33:00 PM

Qualifiers:

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* - Value exceeds Maximum Contaminant Level
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P - Dual Column results percent difference > 40%
E - Value above quantitation range
H - Analyzed outside of Hold Time

e-Lab, Inc.

CLIENT: Navajo Refining Company
Work Order: 0311260
Project: CRI Proj

Date: *Dec 01 2003*

QC BATCH REPORT

Batch ID: **7282** InstrumentID: **ICP7500**

MBLK Sample ID: **MBLKS2-112403** Test Code: **SW6020** Units: **mg/Kg** Analysis Date: **11/25/03 11:37**
Client ID: Run ID: **ICP7500_031125A** SeqNo: **398209** Prep Date: **11/24/2003** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Lead	ND	5.0								

MBLK Sample ID: **MBLKS2-112403** Test Code: **SW6020** Units: **mg/Kg** Analysis Date: **11/25/03 18:27**
Client ID: Run ID: **ICP7500_031125A** SeqNo: **398980** Prep Date: **11/24/2003** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	ND	5.0								
Barium	ND	5.0								
Cadmium	ND	5.0								
Chromium	ND	5.0								
Selenium	ND	5.0								
Silver	ND	5.0								

LCS Sample ID: **MLCSS2-112403** Test Code: **SW6020** Units: **mg/Kg** Analysis Date: **11/25/03 11:42**
Client ID: Run ID: **ICP7500_031125A** SeqNo: **398210** Prep Date: **11/24/2003** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Lead	53.75	5.0	50	0	108	80-120	0			

LCS Sample ID: **MLCSS2-112403** Test Code: **SW6020** Units: **mg/Kg** Analysis Date: **11/25/03 18:32**
Client ID: Run ID: **ICP7500_031125A** SeqNo: **398981** Prep Date: **11/24/2003** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	53.92	5.0	50	0	108	80-120	0			
Barium	52.39	5.0	50	0	105	80-120	0			
Cadmium	52.66	5.0	50	0	105	80-120	0			
Chromium	54.7	5.0	50	0	109	80-120	0			
Selenium	56.68	5.0	50	0	113	80-120	0			
Silver	56.01	5.0	50	0	112	80-120	0			

MS Sample ID: **0311233-01CMS** Test Code: **SW6020** Units: **mg/Kg** Analysis Date: **11/25/03 12:03**
Client ID: Run ID: **ICP7500_031125A** SeqNo: **398214** Prep Date: **11/24/2003** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Lead	47.53	5.0	50	2.394	90.3	75-125	0			

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O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: Navajo Refining Company
Work Order: 0311260
Project: CRI Proj

QC BATCH REPORT

Batch ID: **7282** InstrumentID: **ICP7500**

MS Sample ID: **0311233-01CMS** Test Code: **SW6020** Units: **mg/Kg** Analysis Date: **11/25/03 18:47**
Client ID: Run ID: **ICP7500_031125A** SeqNo: **398984** Prep Date: **11/24/2003** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	46.87	5.0	50	0.03905	93.7	75-125	0			
Barium	64.25	5.0	50	19.35	89.8	75-125	0			
Cadmium	44.73	5.0	50	0.0377	89.4	75-125	0			
Chromium	47.54	5.0	50	1.443	92.2	75-125	0			
Selenium	46.55	5.0	50	1.121	90.9	75-125	0			
Silver	47.27	5.0	50	-0.00647	94.6	75-125	0			

MSD Sample ID: **0311233-01CMSD** Test Code: **SW6020** Units: **mg/Kg** Analysis Date: **11/25/03 12:08**
Client ID: Run ID: **ICP7500_031125A** SeqNo: **398215** Prep Date: **11/24/2003** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Lead	49.14	5.0	50	2.394	93.5	75-125	47.53	3.33	25	

MSD Sample ID: **0311233-01CMSD** Test Code: **SW6020** Units: **mg/Kg** Analysis Date: **11/25/03 18:52**
Client ID: Run ID: **ICP7500_031125A** SeqNo: **398985** Prep Date: **11/24/2003** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	47.53	5.0	50	0.03905	95	75-125	46.87	1.4	25	
Barium	65.22	5.0	50	19.35	91.7	75-125	64.25	1.5	25	
Cadmium	45.7	5.0	50	0.0377	91.3	75-125	44.73	2.15	25	
Chromium	48.18	5.0	50	1.443	93.5	75-125	47.54	1.34	25	
Selenium	48.93	5.0	50	1.121	95.6	75-125	46.55	4.99	25	
Silver	46.94	5.0	50	-0.00647	93.9	75-125	47.27	0.701	25	

DUP Sample ID: **0311233-01CDUP** Test Code: **SW6020** Units: **mg/Kg** Analysis Date: **11/25/03 11:58**
Client ID: Run ID: **ICP7500_031125A** SeqNo: **398213** Prep Date: **11/24/2003** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Lead	2.563	5.0	0	0	0	0-0	2.394	0	25	J

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R - RPD outside accepted recovery limits
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B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: Navajo Refining Company
Work Order: 0311260
Project: CRI Proj

QC BATCH REPORT

Batch ID: **7282** InstrumentID: **ICP7500**

DUP Sample ID: **0311233-01CDUP** Test Code: **SW6020** Units: **mg/Kg** Analysis Date: **11/25/03 18:42**
Client ID: Run ID: **ICP7500_031125A** SeqNo: **398983** Prep Date: **11/24/2003** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	ND	5.0	0	0	0	0-0	0.03905	0	25	
Barium	20.49	5.0	0	0	0	0-0	19.35	5.72	25	
Cadmium	ND	5.0	0	0	0	0-0	0.0377	0	25	
Chromium	1.581	5.0	0	0	0	0-0	1.443	0	25	J
Selenium	ND	5.0	0	0	0	0-0	1.121	0	25	
Silver	ND	5.0	0	0	0	0-0	-0.00647	0	25	

Thefollowingsampleswereanalyzedinthisbatch:

0311260-01B	0311260-02B	0311260-03B
0311260-04B	0311260-05B	0311260-06B

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: Navajo Refining Company
Work Order: 0311260
Project: CRI Proj

QC BATCH REPORT

Batch ID: **7291** InstrumentID: **Mercury**

MBLK Sample ID: **GBLKS1-112503** Test Code: **SW7471A** Units: **µg/Kg** Analysis Date: **11/25/03 16:18**
Client ID: Run ID: **MERCURY_031125A** SeqNo: **398282** Prep Date: **11/25/2003** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	ND	13								

LCS Sample ID: **GLCSS1-112503** Test Code: **SW7471A** Units: **µg/Kg** Analysis Date: **11/25/03 16:19**
Client ID: Run ID: **MERCURY_031125A** SeqNo: **398283** Prep Date: **11/25/2003** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	346	13	333.3	0	104	88-115	0			

LCSD Sample ID: **GLCSDS1-112503** Test Code: **SW7471A** Units: **µg/Kg** Analysis Date: **11/25/03 16:21**
Client ID: Run ID: **MERCURY_031125A** SeqNo: **398284** Prep Date: **11/25/2003** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	332.7	13	333.3	0	99.8	88-115	346	3.93	20	

MS Sample ID: **0311233-01CMS** Test Code: **SW7471A** Units: **µg/Kg** Analysis Date: **11/25/03 16:25**
Client ID: Run ID: **MERCURY_031125A** SeqNo: **398287** Prep Date: **11/25/2003** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	366	13	333.3	9.4	107	70-128	0			

MSD Sample ID: **0311233-01CMSD** Test Code: **SW7471A** Units: **µg/Kg** Analysis Date: **11/25/03 16:29**
Client ID: Run ID: **MERCURY_031125A** SeqNo: **398288** Prep Date: **11/25/2003** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	372.7	13	333.3	9.4	109	70-128	366	1.81	20	

DUP Sample ID: **0311233-01CDUP** Test Code: **SW7471A** Units: **µg/Kg** Analysis Date: **11/25/03 16:24**
Client ID: Run ID: **MERCURY_031125A** SeqNo: **398286** Prep Date: **11/25/2003** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	8.8	13	0	0	0		9.4	0	20	J

Thefollowingsampleswereanalyzedinthisbatch:

0311260-01B	0311260-02B	0311260-03B
0311260-04B	0311260-05B	0311260-06B

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: Navajo Refining Company
Work Order: 0311260
Project: CRI Proj

QC BATCH REPORT

Batch ID: **7298** InstrumentID: **SV-2**

MBLK Sample ID: **SBLKS1-031125** Test Code: **SW8270** Units: **µg/Kg** Analysis Date: **11/26/03 11:59**
Client ID: Run ID: **SV-2_031126A** SeqNo: **398884** Prep Date: **11/25/2003** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2,4-Trichlorobenzene	ND	330								
1,2-Dichlorobenzene	ND	330								
1,3-Dichlorobenzene	ND	330								
1,4-Dichlorobenzene	ND	330								
2,4,5-Trichlorophenol	ND	330								
2,4,6-Trichlorophenol	ND	330								
2,4-Dichlorophenol	ND	330								
2,4-Dimethylphenol	ND	330								
2,4-Dinitrophenol	ND	330								
2,4-Dinitrotoluene	ND	330								
2,6-Dinitrotoluene	ND	330								
2-Chloronaphthalene	ND	330								
2-Chlorophenol	ND	330								
2-Methylnaphthalene	ND	330								
2-Methylphenol	ND	330								
2-Nitroaniline	ND	330								
2-Nitrophenol	ND	330								
3,3'-Dichlorobenzidine	ND	330								
3-Nitroaniline	ND	330								
4,6-Dinitro-2-methylphenol	ND	330								
4-Bromophenyl phenyl ether	ND	330								
4-Chloro-3-methylphenol	ND	330								
4-Chloroaniline	ND	330								
4-Chlorophenyl phenyl ether	ND	330								
4-Methylphenol	ND	330								
4-Nitroaniline	ND	330								
4-Nitrophenol	ND	330								
Acenaphthene	ND	330								
Acenaphthylene	ND	330								
Anthracene	ND	330								
Benz(a)anthracene	ND	330								
Benzo(a)pyrene	ND	330								
Benzo(b)fluoranthene	ND	330								
Benzo(g,h,i)perylene	ND	330								
Benzo(k)fluoranthene	ND	330								
Bis(2-chloroethoxy)methane	ND	330								
Bis(2-chloroethyl)ether	ND	330								
Bis(2-chloroisopropyl)ether	ND	330								
Bis(2-ethylhexyl)phthalate	ND	330								
Butyl benzyl phthalate	ND	330								
Carbazole	ND	330								
Chrysene	ND	330								

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: Navajo Refining Company
Work Order: 0311260
Project: CRI Proj

QC BATCH REPORT

Batch ID: **7298** InstrumentID: **SV-2**

Di-n-butyl phthalate	234.3	330						J
Di-n-octyl phthalate	ND	330						
Dibenz(a,h)anthracene	ND	330						
Dibenzofuran	ND	330						
Diethyl phthalate	ND	330						
Dimethyl phthalate	ND	330						
Fluoranthene	ND	330						
Fluorene	ND	330						
Hexachlorobenzene	ND	330						
Hexachlorobutadiene	ND	330						
Hexachlorocyclopentadiene	ND	330						
Hexachloroethane	ND	330						
Indeno(1,2,3-cd)pyrene	ND	330						
Isophorone	ND	330						
N-Nitrosodi-n-propylamine	ND	330						
N-Nitrosodiphenylamine	ND	330						
Naphthalene	ND	330						
Nitrobenzene	ND	330						
Pentachlorophenol	ND	330						
Phenanthrene	ND	330						
Phenol	ND	330						
Pyrene	ND	330						
Surr: 2,4,6-Tribromophenol	3291	330	3333	0	98.7	40-133	0	
Surr: 2-Fluorobiphenyl	2881	330	3333	0	86.4	34-122	0	
Surr: 2-Fluorophenol	2463	330	3333	0	73.9	25-115	0	
Surr:4-Terphenyl-d14	2904	330	3333	0	87.1	33-141	0	
Surr: Nitrobenzene-d5	3061	330	3333	0	91.8	39-115	0	
Surr: Phenol-d6	2587	330	3333	0	77.6	20-115	0	

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: Navajo Refining Company
Work Order: 0311260
Project: CRI Proj

QC BATCH REPORT

Batch ID: **7298** InstrumentID: **SV-2**

LCS Sample ID: **SLCSS1-031125** Test Code: **SW8270** Units: **µg/Kg** Analysis Date: **11/26/03 11:32**
Client ID: Run ID: **SV-2_031126A** SeqNo: **398883** Prep Date: **11/25/2003** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2,4-Trichlorobenzene	1502	330	1667	0	90.1	62-115	0			
1,2-Dichlorobenzene	1479	330	1667	0	88.7	68-115	0			
1,3-Dichlorobenzene	1490	330	1667	0	89.4	63-115	0			
1,4-Dichlorobenzene	1480	330	1667	0	88.8	66-115	0			
2,4,5-Trichlorophenol	3029	330	3333	0	90.9	65-115	0			
2,4,6-Trichlorophenol	2976	330	3333	0	89.3	64-115	0			
2,4-Dichlorophenol	3051	330	3333	0	91.5	61-115	0			
2,4-Dimethylphenol	2999	330	3333	0	90	56-115	0			
2,4-Dinitrophenol	2706	330	3333	0	81.2	40-115	0			
2,4-Dinitrotoluene	1536	330	1667	0	92.2	66-115	0			
2,6-Dinitrotoluene	1505	330	1667	0	90.3	68-115	0			
2-Chloronaphthalene	1466	330	1667	0	87.9	66-115	0			
2-Chlorophenol	3016	330	3333	0	90.5	68-115	0			
2-Methylnaphthalene	1418	330	1667	0	85.1	56-115	0			
2-Methylphenol	2969	330	3333	0	89.1	68-115	0			
2-Nitroaniline	1676	330	1667	0	101	68-115	0			
2-Nitrophenol	3022	330	3333	0	90.7	61-115	0			
3,3'-Dichlorobenzidine	1128	330	1667	0	67.7	35-115	0			
3-Nitroaniline	1390	330	1667	0	83.4	56-115	0			
4,6-Dinitro-2-methylphenol	3243	330	3333	0	97.3	57-115	0			
4-Bromophenyl phenyl ether	1534	330	1667	0	92.1	66-115	0			
4-Chloro-3-methylphenol	3193	330	3333	0	95.8	63-115	0			
4-Chloroaniline	1398	330	1667	0	83.9	49-115	0			
4-Chlorophenyl phenyl ether	1454	330	1667	0	87.2	67-115	0			
4-Methylphenol	4325	330	5000	0	86.5	67-115	0			
4-Nitroaniline	1394	330	1667	0	83.7	57-115	0			
4-Nitrophenol	2792	330	3333	0	83.8	43-117	0			
Acenaphthene	1439	330	1667	0	86.4	59-115	0			
Acenaphthylene	1401	330	1667	0	84	66-115	0			
Anthracene	1532	330	1667	0	91.9	68-115	0			
Benz(a)anthracene	1278	330	1667	0	76.7	51-115	0			
Benzo(a)pyrene	1167	330	1667	0	70	41-125	0			
Benzo(b)fluoranthene	1146	330	1667	0	68.7	40-115	0			
Benzo(g,h,i)perylene	1401	330	1667	0	84	40-119	0			
Benzo(k)fluoranthene	1181	330	1667	0	70.9	40-115	0			
Bis(2-chloroethoxy)methane	1583	330	1667	0	95	63-115	0			
Bis(2-chloroethyl)ether	1483	330	1667	0	89	66-115	0			
Bis(2-chloroisopropyl)ether	1453	330	1667	0	87.2	62-115	0			
Bis(2-ethylhexyl)phthalate	1505	330	1667	0	90.3	62-130	0			
Butyl benzyl phthalate	1384	330	1667	0	83	56-121	0			
Carbazole	1543	330	1667	0	92.6	69-115	0			
Chrysene	1264	330	1667	0	75.8	46-129	0			

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: Navajo Refining Company
Work Order: 0311260
Project: CRI Proj

QC BATCH REPORT

Batch ID: **7298** InstrumentID: **SV-2**

Di-n-butyl phthalate	1835	330	1667	0	110	75-122	0
Di-n-octyl phthalate	1138	330	1667	0	68.3	45-120	0
Dibenz(a,h)anthracene	1300	330	1667	0	78	40-125	0
Dibenzofuran	1480	330	1667	0	88.8	62-115	0
Diethyl phthalate	1652	330	1667	0	99.1	69-114	0
Dimethyl phthalate	1547	330	1667	0	92.8	68-115	0
Fluoranthene	1547	330	1667	0	92.8	66-115	0
Fluorene	1436	330	1667	0	86.2	67-115	0
Hexachlorobenzene	1548	330	1667	0	92.9	66-115	0
Hexachlorobutadiene	1562	330	1667	0	93.7	58-115	0
Hexachlorocyclopentadiene	1527	330	1667	0	91.6	57-115	0
Hexachloroethane	1640	330	1667	0	98.4	64-115	0
Indeno(1,2,3-cd)pyrene	1237	330	1667	0	74.2	42-115	0
Isophorone	1626	330	1667	0	97.6	64-115	0
N-Nitrosodi-n-propylamine	1627	330	1667	0	97.6	64-115	0
N-Nitrosodiphenylamine	1670	330	1667	0	100	65-142	0
Naphthalene	1459	330	1667	0	87.6	61-115	0
Nitrobenzene	1655	330	1667	0	99.3	67-115	0
Pentachlorophenol	3537	330	3333	0	106	57-115	0
Phenanthrene	1490	330	1667	0	89.4	65-115	0
Phenol	3019	330	3333	0	90.6	52-115	0
Pyrene	1255	330	1667	0	75.3	47-115	0
Surr: 2,4,6-Tribromophenol	3230	330	3333	0	96.9	40-133	0
Surr: 2-Fluorobiphenyl	2946	330	3333	0	88.4	34-122	0
Surr: 2-Fluorophenol	2879	330	3333	0	86.4	25-115	0
Surr:4-Terphenyl-d14	2808	330	3333	0	84.2	33-141	0
Surr: Nitrobenzene-d5	3189	330	3333	0	95.7	39-115	0
Surr: Phenol-d6	2930	330	3333	0	87.9	20-115	0

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: Navajo Refining Company
Work Order: 0311260
Project: CRI Proj

QC BATCH REPORT

Batch ID: **7298** InstrumentID: **SV-2**

MS Sample ID: **0311273-01CMS** Test Code: **SW8270** Units: **µg/Kg** Analysis Date: **11/26/03 14:39**
Client ID: Run ID: **SV-2_031126A** SeqNo: **398887** Prep Date: **11/25/2003** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2,4-Trichlorobenzene	1484	330	1667	0	89.1	49-115	0			
1,2-Dichlorobenzene	1386	330	1667	0	83.2	53-115	0			
1,3-Dichlorobenzene	1354	330	1667	0	81.2	52-115	0			
1,4-Dichlorobenzene	1394	330	1667	0	83.6	50-115	0			
2,4,5-Trichlorophenol	2769	330	3333	0	83.1	47-127	0			
2,4,6-Trichlorophenol	2406	330	3333	0	72.2	42-125	0			
2,4-Dichlorophenol	2934	330	3333	0	88	45-116	0			
2,4-Dimethylphenol	2958	330	3333	0	88.7	45-116	0			
2,4-Dinitrophenol	693.6	330	3333	0	20.8	20-115	0			
2,4-Dinitrotoluene	1479	330	1667	0	88.7	54-121	0			
2,6-Dinitrotoluene	1471	330	1667	0	88.2	53-122	0			
2-Chloronaphthalene	1383	330	1667	0	83	51-116	0			
2-Chlorophenol	2795	330	3333	0	83.9	45-117	0			
2-Methylnaphthalene	1408	330	1667	0	84.5	47-115	0			
2-Methylphenol	2774	330	3333	0	83.2	52-114	0			
2-Nitroaniline	1629	330	1667	0	97.7	53-126	0			
2-Nitrophenol	2758	330	3333	0	82.7	40-124	0			
3,3'-Dichlorobenzidine	1190	330	1667	0	71.4	21-116	0			
3-Nitroaniline	1303	330	1667	0	78.2	40-116	0			
4,6-Dinitro-2-methylphenol	916.8	330	3333	0	27.5	25-132	0			
4-Bromophenyl phenyl ether	1466	330	1667	0	87.9	54-119	0			
4-Chloro-3-methylphenol	3058	330	3333	0	91.7	52-121	0			
4-Chloroaniline	1267	330	1667	0	76	26-115	0			
4-Chlorophenyl phenyl ether	1382	330	1667	0	82.9	54-117	0			
4-Methylphenol	4081	330	5000	0	81.6	55-115	0			
4-Nitroaniline	1387	330	1667	0	83.2	45-119	0			
4-Nitrophenol	1202	330	3333	0	36	23-129	0			
Acenaphthene	1358	330	1667	0	81.5	50-116	0			
Acenaphthylene	1373	330	1667	0	82.4	47-119	0			
Anthracene	1473	330	1667	0	88.4	56-122	0			
Benz(a)anthracene	1235	330	1667	0	74.1	40-127	0			
Benzo(a)pyrene	1080	330	1667	0	64.8	32-124	0			
Benzo(b)fluoranthene	1074	330	1667	0	64.4	20-125	0			
Benzo(g,h,i)perylene	1260	330	1667	218.2	62.5	27-129	0			
Benzo(k)fluoranthene	1046	330	1667	0	62.8	29-129	0			
Bis(2-chloroethoxy)methane	1472	330	1667	0	88.3	47-118	0			
Bis(2-chloroethyl)ether	1374	330	1667	0	82.4	43-119	0			
Bis(2-chloroisopropyl)ether	1400	330	1667	0	84	43-119	0			
Bis(2-ethylhexyl)phthalate	1385	330	1667	0	83.1	43-140	0			
Butyl benzyl phthalate	1305	330	1667	0	78.3	40-135	0			
Carbazole	1432	330	1667	0	85.9	54-126	0			
Chrysene	1169	330	1667	0	70.2	37-138	0			

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: Navajo Refining Company
Work Order: 0311260
Project: CRI Proj

QC BATCH REPORT

Batch ID: **7298** InstrumentID: **SV-2**

Di-n-butyl phthalate	1590	330	1667	0	95.4	59-122	0
Di-n-octyl phthalate	1010	330	1667	0	60.6	30-135	0
Dibenz(a,h)anthracene	1211	330	1667	136.3	64.5	29-136	0
Dibenzofuran	1436	330	1667	0	86.1	51-119	0
Diethyl phthalate	1567	330	1667	0	94	59-121	0
Dimethyl phthalate	1491	330	1667	0	89.5	56-118	0
Fluoranthene	1436	330	1667	0	86.2	54-127	0
Fluorene	1382	330	1667	0	82.9	56-116	0
Hexachlorobenzene	1458	330	1667	0	87.5	56-116	0
Hexachlorobutadiene	1504	330	1667	0	90.2	49-115	0
Hexachlorocyclopentadiene	1228	330	1667	0	73.7	35-125	0
Hexachloroethane	1562	330	1667	0	93.7	50-119	0
Indeno(1,2,3-cd)pyrene	1416	330	1667	156.8	75.5	24-138	0
Isophorone	1551	330	1667	0	93	47-120	0
N-Nitrosodi-n-propylamine	1510	330	1667	0	90.6	40-128	0
N-Nitrosodiphenylamine	1572	330	1667	0	94.3	54-153	0
Naphthalene	1417	330	1667	0	85	34-132	0
Nitrobenzene	1549	330	1667	0	93	51-116	0
Pentachlorophenol	1713	330	3333	0	51.4	35-136	0
Phenanthrene	1429	330	1667	0	85.8	53-116	0
Phenol	2820	330	3333	0	84.6	43-115	0
Pyrene	1163	330	1667	0	69.8	38-118	0
Surr: 2,4,6-Tribromophenol	2714	330	3333	0	81.4	40-133	0
Surr: 2-Fluorobiphenyl	2797	330	3333	0	83.9	34-122	0
Surr: 2-Fluorophenol	2391	330	3333	0	71.7	25-115	0
Surr:4-Terphenyl-d14	2495	330	3333	0	74.9	33-141	0
Surr: Nitrobenzene-d5	3021	330	3333	0	90.6	39-115	0
Surr: Phenol-d6	2718	330	3333	0	81.5	20-115	0

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
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P - Dual Column results percent difference > 40%
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U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: Navajo Refining Company
Work Order: 0311260
Project: CRI Proj

QC BATCH REPORT

Batch ID: **7298** InstrumentID: **SV-2**

MSD Sample ID: **0311273-01CMSD** Test Code: **SW8270** Units: **µg/Kg** Analysis Date: **11/26/03 13:17**

Client ID: Run ID: **SV-2_031126A** SeqNo: **398885** Prep Date: **11/25/2003** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2,4-Trichlorobenzene	1376	330	1667	0	82.6	49-115	1484	7.58	30	
1,2-Dichlorobenzene	1346	330	1667	0	80.8	53-115	1386	2.9	30	
1,3-Dichlorobenzene	1321	330	1667	0	79.3	52-115	1354	2.41	30	
1,4-Dichlorobenzene	1329	330	1667	0	79.7	50-115	1394	4.76	30	
2,4,5-Trichlorophenol	2911	330	3333	0	87.3	47-127	2769	4.98	30	
2,4,6-Trichlorophenol	2409	330	3333	0	72.3	42-125	2406	0.137	30	
2,4-Dichlorophenol	2869	330	3333	0	86.1	45-116	2934	2.24	30	
2,4-Dimethylphenol	2932	330	3333	0	88	45-116	2958	0.872	30	
2,4-Dinitrophenol	924.2	330	3333	0	27.7	20-115	693.6	28.5	30	
2,4-Dinitrotoluene	1538	330	1667	0	92.3	54-121	1479	3.9	30	
2,6-Dinitrotoluene	1518	330	1667	0	91.1	53-122	1471	3.2	30	
2-Chloronaphthalene	1448	330	1667	0	86.9	51-116	1383	4.59	30	
2-Chlorophenol	2666	330	3333	0	80	45-117	2795	4.75	30	
2-Methylnaphthalene	1333	330	1667	0	80	47-115	1408	5.54	30	
2-Methylphenol	2751	330	3333	0	82.5	52-114	2774	0.813	30	
2-Nitroaniline	1706	330	1667	0	102	53-126	1629	4.6	30	
2-Nitrophenol	2509	330	3333	0	75.3	40-124	2758	9.45	30	
3,3'-Dichlorobenzidine	1163	330	1667	0	69.8	21-116	1190	2.27	30	
3-Nitroaniline	1384	330	1667	0	83	40-116	1303	6.03	30	
4,6-Dinitro-2-methylphenol	1078	330	3333	0	32.3	25-132	916.8	16.2	30	
4-Bromophenyl phenyl ether	1511	330	1667	0	90.6	54-119	1466	3.02	30	
4-Chloro-3-methylphenol	3140	330	3333	0	94.2	52-121	3058	2.65	30	
4-Chloroaniline	1232	330	1667	0	73.9	26-115	1267	2.76	30	
4-Chlorophenyl phenyl ether	1477	330	1667	0	88.6	54-117	1382	6.68	30	
4-Methylphenol	4136	330	5000	0	82.7	55-115	4081	1.34	30	
4-Nitroaniline	1449	330	1667	0	86.9	45-119	1387	4.37	30	
4-Nitrophenol	1158	330	3333	0	34.7	23-129	1202	3.73	30	
Acenaphthene	1453	330	1667	0	87.2	50-116	1358	6.79	30	
Acenaphthylene	1405	330	1667	0	84.3	47-119	1373	2.32	30	
Anthracene	1537	330	1667	0	92.2	56-122	1473	4.22	30	
Benz(a)anthracene	1267	330	1667	0	76	40-127	1235	2.56	30	
Benzo(a)pyrene	1123	330	1667	0	67.4	32-124	1080	3.85	30	
Benzo(b)fluoranthene	1124	330	1667	0	67.5	20-125	1074	4.61	30	
Benzo(g,h,i)perylene	1467	330	1667	218.2	74.9	27-129	1260	15.2	30	
Benzo(k)fluoranthene	1153	330	1667	0	69.2	29-129	1046	9.69	30	
Bis(2-chloroethoxy)methane	1478	330	1667	0	88.7	47-118	1472	0.395	30	
Bis(2-chloroethyl)ether	1338	330	1667	0	80.3	43-119	1374	2.63	30	
Bis(2-chloroisopropyl)ether	1368	330	1667	0	82.1	43-119	1400	2.28	30	
Bis(2-ethylhexyl)phthalate	1482	330	1667	0	88.9	43-140	1385	6.76	30	
Butyl benzyl phthalate	1419	330	1667	0	85.1	40-135	1305	8.37	30	
Carbazole	1505	330	1667	0	90.3	54-126	1432	4.96	30	
Chrysene	1240	330	1667	0	74.4	37-138	1169	5.89	30	

ND - Not Detected at the Reporting Limit
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R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
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CLIENT: Navajo Refining Company
Work Order: 0311260
Project: CRI Proj

QC BATCH REPORT

Batch ID: **7298** InstrumentID: **SV-2**

Di-n-butyl phthalate	1666	330	1667	0	99.9	59-122	1590	4.65	30
Di-n-octyl phthalate	1066	330	1667	0	64	30-135	1010	5.39	30
Dibenz(a,h)anthracene	1357	330	1667	136.3	73.2	29-136	1211	11.4	30
Dibenzofuran	1513	330	1667	0	90.8	51-119	1436	5.23	30
Diethyl phthalate	1665	330	1667	0	99.9	59-121	1567	6.07	30
Dimethyl phthalate	1558	330	1667	0	93.5	56-118	1491	4.41	30
Fluoranthene	1507	330	1667	0	90.4	54-127	1436	4.81	30
Fluorene	1448	330	1667	0	86.9	56-116	1382	4.65	30
Hexachlorobenzene	1508	330	1667	0	90.5	56-116	1458	3.38	30
Hexachlorobutadiene	1483	330	1667	0	89	49-115	1504	1.43	30
Hexachlorocyclopentadiene	1274	330	1667	0	76.4	35-125	1228	3.64	30
Hexachloroethane	1523	330	1667	0	91.4	50-119	1562	2.53	30
Indeno(1,2,3-cd)pyrene	1584	330	1667	156.8	85.6	24-138	1416	11.2	30
Isophorone	1562	330	1667	0	93.7	47-120	1551	0.73	30
N-Nitrosodi-n-propylamine	1496	330	1667	0	89.8	40-128	1510	0.937	30
N-Nitrosodiphenylamine	1620	330	1667	0	97.2	54-153	1572	3.01	30
Naphthalene	1376	330	1667	0	82.6	34-132	1417	2.89	30
Nitrobenzene	1515	330	1667	0	90.9	51-116	1549	2.22	30
Pentachlorophenol	1657	330	3333	0	49.7	35-136	1713	3.37	30
Phenanthrene	1449	330	1667	0	86.9	53-116	1429	1.37	30
Phenol	2702	330	3333	0	81.1	43-115	2820	4.25	30
Pyrene	1260	330	1667	0	75.6	38-118	1163	7.98	30
Surr: 2,4,6-Tribromophenol	2739	330	3333	0	82.2	40-133	2714	0.925	30
Surr: 2-Fluorobiphenyl	2935	330	3333	0	88.1	34-122	2797	4.83	30
Surr: 2-Fluorophenol	2369	330	3333	0	71.1	25-115	2391	0.93	30
Surr:4-Terphenyl-d14	2720	330	3333	0	81.6	33-141	2495	8.61	30
Surr: Nitrobenzene-d5	3004	330	3333	0	90.1	39-115	3021	0.585	30
Surr: Phenol-d6	2682	330	3333	0	80.5	20-115	2718	1.33	30

Thefollowingsampleswereanalyzedinthisbatch:

0311260-01B	0311260-02B	0311260-03B
0311260-04B	0311260-05B	0311260-06B

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CLIENT: Navajo Refining Company
Work Order: 0311260
Project: *CRI Proj*

QC BATCH REPORT

Batch ID: **R17371** InstrumentID: **VOA_II**

MBLK Sample ID: **VBLKS-1122** Test Code: **SW8260** Units: **µg/Kg** Analysis Date: **11/22/03 15:12**

Client ID: Run ID: **VOA_II_031122A** SeqNo: **397725** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	ND	5.0								
1,1,2,2-Tetrachloroethane	ND	5.0								
1,1,2-Trichloroethane	ND	5.0								
1,1-Dichloroethane	ND	5.0								
1,1-Dichloroethene	ND	5.0								
1,2-Dichloroethane	ND	5.0								
1,2-Dichloropropane	ND	5.0								
2-Butanone	ND	10								
2-Hexanone	ND	10								
4-Methyl-2-pentanone	ND	10								
Acetone	ND	25								
Benzene	ND	5.0								
Bromodichloromethane	ND	5.0								
Bromoform	ND	5.0								
Bromomethane	ND	10								
Carbon disulfide	ND	10								
Carbontetrachloride	ND	5.0								
Chlorobenzene	ND	5.0								
Chloroethane	ND	10								
Chloroform	ND	5.0								
Chloromethane	ND	10								
cis-1,2-Dichloroethene	ND	5.0								
cis-1,3-Dichloropropene	ND	5.0								
Dibromochloromethane	ND	5.0								
Dichloromethane	ND	10								
Ethylbenzene	ND	5.0								
Styrene	ND	5.0								
Tetrachloroethene	ND	5.0								
Toluene	ND	5.0								
trans-1,2-Dichloroethene	ND	5.0								
trans-1,3-Dichloropropene	ND	5.0								
Trichloroethene	ND	5.0								
Vinyl chloride	ND	2.0								
Xylenes, Total	ND	15								
Surr:1,2-Dichloroethane-d4	46.7	0	50	0	93.4	70-130	0			
Surr:4-Bromofluorobenzene	39.78	0	50	0	79.6	70-130	0			
Surr:Dibromofluoromethane	42.92	0	50	0	85.8	70-130	0			
Surr:Toluene-d8	45.27	0	50	0	90.5	70-130	0			

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CLIENT: Navajo Refining Company
Work Order: 0311260
Project: CRI Proj

QC BATCH REPORT

Batch ID: **R17371** InstrumentID: **VOA_II**

LCS Sample ID: **VLCSS-1122** Test Code: **SW8260** Units: **µg/Kg** Analysis Date: **11/22/03 13:51**

Client ID: Run ID: **VOA_II_031122A** SeqNo: **397723** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	49.14	5.0	50	0	98.3	71-125	0			
1,1,2,2-Tetrachloroethane	47.42	5.0	50	0	94.8	80-127	0			
1,1,2-Trichloroethane	48.62	5.0	50	0	97.2	81-124	0			
1,1-Dichloroethane	46.96	5.0	50	0	93.9	75-125	0			
1,1-Dichloroethene	46.26	5.0	50	0	92.5	74-126	0			
1,2-Dichloroethane	47.24	5.0	50	0	94.5	70-130	0			
1,2-Dichloropropane	47.26	5.0	50	0	94.5	81-124	0			
2-Butanone	82.71	10	100	0	82.7	65-132	0			
2-Hexanone	98.58	10	100	0	98.6	69-129	0			
4-Methyl-2-pentanone	98.97	10	100	0	99	70-130	0			
Acetone	79.67	25	100	0	79.7	60-130	0			
Benzene	52.67	5.0	50	0	105	83-120	0			
Bromodichloromethane	47.09	5.0	50	0	94.2	73-123	0			
Bromoform	47.43	5.0	50	0	94.9	76-124	0			
Bromomethane	38.44	10	50	0	76.9	60-130	0			
Carbon disulfide	97.47	10	100	0	97.5	75-128	0			
Carbon tetrachloride	50.82	5.0	50	0	102	67-126	0			
Chlorobenzene	50.48	5.0	50	0	101	81-118	0			
Chloroethane	44.2	10	50	0	88.4	65-125	0			
Chloroform	44.67	5.0	50	0	89.3	74-125	0			
Chloromethane	47.8	10	50	0	95.6	73-127	0			
cis-1,2-Dichloroethene	48.05	5.0	50	0	96.1	78-124	0			
cis-1,3-Dichloropropene	50.6	5.0	50	0	101	82-122	0			
Dibromochloromethane	47.55	5.0	50	0	95.1	78-122	0			
Dichloromethane	40.32	10	50	0	80.6	75-125	0			
Ethylbenzene	51.81	5.0	50	0	104	82-120	0			
Styrene	52.58	5.0	50	0	105	81-122	0			
Tetrachloroethene	52.19	5.0	50	0	104	77-126	0			
Toluene	51.95	5.0	50	0	104	83-123	0			
trans-1,2-Dichloroethene	46.46	5.0	50	0	92.9	79-125	0			
trans-1,3-Dichloropropene	44.84	5.0	50	0	89.7	80-123	0			
Trichloroethene	50.53	5.0	50	0	101	76-125	0			
Vinyl chloride	51.87	2.0	50	0	104	70-129	0			
Xylenes, Total	160.7	15	150	0	107	80-120	0			
Surr:1,2-Dichloroethane-d4	41.35	0	50	0	82.7	70-130	0			
Surr:4-Bromofluorobenzene	47.54	0	50	0	95.1	70-130	0			
Surr:Dibromofluoromethane	39.92	0	50	0	79.8	70-130	0			
Surr: Toluene-d8	47.72	0	50	0	95.4	70-130	0			

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CLIENT: Navajo Refining Company
Work Order: 0311260
Project: CRI Proj

QC BATCH REPORT

Batch ID: **R17371** InstrumentID: **VOA_II**

LCSD Sample ID: **VLCSSD-1122** Test Code: **SW8260** Units: **µg/Kg** Analysis Date: **11/22/03 14:18**

Client ID: Run ID: **VOA_II_031122A** SeqNo: **397724** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	48.57	5.0	50	0	97.1	71-125	49.14	1.15	30	
1,1,2,2-Tetrachloroethane	49.01	5.0	50	0	98	80-127	47.42	3.3	30	
1,1,2-Trichloroethane	51.69	5.0	50	0	103	81-124	48.62	6.13	30	
1,1-Dichloroethane	45.41	5.0	50	0	90.8	75-125	46.96	3.34	30	
1,1-Dichloroethene	46.81	5.0	50	0	93.6	74-126	46.26	1.17	30	
1,2-Dichloroethane	48.58	5.0	50	0	97.2	70-130	47.24	2.8	30	
1,2-Dichloropropane	49.64	5.0	50	0	99.3	81-124	47.26	4.91	30	
2-Butanone	85.42	10	100	0	85.4	65-132	82.71	3.23	30	
2-Hexanone	104.3	10	100	0	104	69-129	98.58	5.66	30	
4-Methyl-2-pentanone	102.7	10	100	0	103	70-130	98.97	3.71	30	
Acetone	80.05	25	100	0	80	60-130	79.67	0.473	30	
Benzene	52.44	5.0	50	0	105	83-120	52.67	0.433	30	
Bromodichloromethane	47.69	5.0	50	0	95.4	73-123	47.09	1.27	30	
Bromoform	49.23	5.0	50	0	98.5	76-124	47.43	3.73	30	
Bromomethane	37.28	10	50	0	74.6	60-130	38.44	3.04	30	
Carbon disulfide	96.36	10	100	0	96.4	75-128	97.47	1.14	30	
Carbontetrachloride	51.52	5.0	50	0	103	67-126	50.82	1.37	30	
Chlorobenzene	51.5	5.0	50	0	103	81-118	50.48	2.02	30	
Chloroethane	46.9	10	50	0	93.8	65-125	44.2	5.94	30	
Chloroform	44.25	5.0	50	0	88.5	74-125	44.67	0.947	30	
Chloromethane	48.42	10	50	0	96.8	73-127	47.8	1.29	30	
cis-1,2-Dichloroethene	47.84	5.0	50	0	95.7	78-124	48.05	0.455	30	
cis-1,3-Dichloropropene	50.03	5.0	50	0	100	82-122	50.6	1.13	30	
Dibromochloromethane	48.41	5.0	50	0	96.8	78-122	47.55	1.78	30	
Dichloromethane	39.93	10	50	0	79.9	75-125	40.32	0.969	30	
Ethylbenzene	53	5.0	50	0	106	82-120	51.81	2.28	30	
Styrene	52.01	5.0	50	0	104	81-122	52.58	1.08	30	
Tetrachloroethene	54.08	5.0	50	0	108	77-126	52.19	3.56	30	
Toluene	51.89	5.0	50	0	104	83-123	51.95	0.12	30	
trans-1,2-Dichloroethene	45.38	5.0	50	0	90.8	79-125	46.46	2.37	30	
trans-1,3-Dichloropropene	46.99	5.0	50	0	94	80-123	44.84	4.69	30	
Trichloroethene	51.59	5.0	50	0	103	76-125	50.53	2.07	30	
Vinyl chloride	51.17	2.0	50	0	102	70-129	51.87	1.36	30	
Xylenes, Total	159.7	15	150	0	106	80-120	160.7	0.616	30	
Surr:1,2-Dichloroethane-d4	42.47	0	50	0	84.9	70-130	41.35	2.66	30	
Surr:4-Bromofluorobenzene	47.62	0	50	0	95.2	70-130	47.54	0.171	30	
Surr: Dibromofluoromethane	40.23	0	50	0	80.5	70-130	39.92	0.784	30	
Surr: Toluene-d8	47.36	0	50	0	94.7	70-130	47.72	0.762	30	

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CLIENT: Navajo Refining Company
Work Order: 0311260
Project: CRI Proj

QC BATCH REPORT

Batch ID: **R17371** InstrumentID: **VOA_II**

MS Sample ID: **0311230-01AMS** Test Code: **SW8260** Units: **µg/Kg** Analysis Date: **11/22/03 16:32**
Client ID: Run ID: **VOA_II_031122A** SeqNo: **397726** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	48.03	5.0	50	0	96.1	55-145	0			
1,1,2,2-Tetrachloroethane	44.69	5.0	50	0	89.4	60-140	0			
1,1,2-Trichloroethane	45.48	5.0	50	0	91	60-135	0			
1,1-Dichloroethane	44.85	5.0	50	0	89.7	60-140	0			
1,1-Dichloroethene	46.27	5.0	50	0	92.5	60-140	0			
1,2-Dichloroethane	46.23	5.0	50	0	92.5	62-130	0			
1,2-Dichloropropane	45.79	5.0	50	0	91.6	65-130	0			
2-Butanone	99.45	10	100	0	99.4	65-135	0			
2-Hexanone	94.05	10	100	0	94.1	65-135	0			
4-Methyl-2-pentanone	94.95	10	100	0	95	60-135	0			
Acetone	132.7	25	100	0	133	60-130	0			S
Benzene	50.08	5.0	50	0	100	70-130	0			
Bromodichloromethane	45.3	5.0	50	0	90.6	70-130	0			
Bromoform	47.17	5.0	50	0	94.3	70-130	0			
Bromomethane	37.9	10	50	0	75.8	60-130	0			
Carbon disulfide	95.08	10	100	0	95.1	70-135	0			
Carbontetrachloride	50.01	5.0	50	0	100	65-126	0			
Chlorobenzene	49.03	5.0	50	0	98.1	70-130	0			
Chloroethane	46.3	10	50	0	92.6	65-125	0			
Chloroform	42.94	5.0	50	0	85.9	70-130	0			
Chloromethane	45.95	10	50	0	91.9	70-130	0			
cis-1,2-Dichloroethene	46.33	5.0	50	0	92.7	70-135	0			
cis-1,3-Dichloropropene	47.33	5.0	50	0	94.7	60-130	0			
Dibromochloromethane	44.82	5.0	50	0	89.6	70-130	0			
Dichloromethane	39.33	10	50	0	78.7	65-135	0			
Ethylbenzene	51.55	5.0	50	0	103	70-130	0			
Styrene	49.86	5.0	50	0	99.7	70-130	0			
Tetrachloroethene	52.63	5.0	50	0	105	70-130	0			
Toluene	49.53	5.0	50	0	99.1	70-130	0			
trans-1,2-Dichloroethene	44.86	5.0	50	0	89.7	65-130	0			
trans-1,3-Dichloropropene	43.61	5.0	50	0	87.2	70-130	0			
Trichloroethene	48.61	5.0	50	0	97.2	70-130	0			
Vinyl chloride	49.45	2.0	50	0	98.9	60-130	0			
Xylenes, Total	155.5	15	150	0	104	70-130	0			
Surr:1,2-Dichloroethane-d4	43	0	50	0	86	70-130	0			
Surr:4-Bromofluorobenzene	48.74	0	50	0	97.5	70-130	0			
Surr:Dibromofluoromethane	40.88	0	50	0	81.8	70-130	0			
Surr:Toluene-d8	46.74	0	50	0	93.5	70-130	0			

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CLIENT: Navajo Refining Company
Work Order: 0311260
Project: CRI Proj

QC BATCH REPORT

Batch ID: **R17371** InstrumentID: **VOA_II**

MSD Sample ID: **0311230-01AMSD** Test Code: **SW8260** Units: **µg/Kg** Analysis Date: **11/22/03 16:59**

Client ID: Run ID: **VOA_II_031122A** SeqNo: **397727** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	43.09	5.0	50	0	86.2	55-145	48.03	10.8	30	
1,1,2,2-Tetrachloroethane	41.19	5.0	50	0	82.4	60-140	44.69	8.13	30	
1,1,2-Trichloroethane	42.54	5.0	50	0	85.1	60-135	45.48	6.68	30	
1,1-Dichloroethane	39.62	5.0	50	0	79.2	60-140	44.85	12.4	30	
1,1-Dichloroethene	41.29	5.0	50	0	82.6	60-140	46.27	11.4	30	
1,2-Dichloroethane	40.45	5.0	50	0	80.9	62-130	46.23	13.3	30	
1,2-Dichloropropane	40.4	5.0	50	0	80.8	65-130	45.79	12.5	30	
2-Butanone	85.73	10	100	0	85.7	65-135	99.45	14.8	30	
2-Hexanone	84.69	10	100	0	84.7	65-135	94.05	10.5	30	
4-Methyl-2-pentanone	85.19	10	100	0	85.2	60-135	94.95	10.8	30	
Acetone	113.5	25	100	0	113	60-130	132.7	15.6	30	
Benzene	44.14	5.0	50	0	88.3	70-130	50.08	12.6	30	
Bromodichloromethane	39.33	5.0	50	0	78.7	70-130	45.3	14.1	30	
Bromoform	41.25	5.0	50	0	82.5	70-130	47.17	13.4	30	
Bromomethane	35.88	10	50	0	71.8	60-130	37.9	5.47	30	
Carbon disulfide	84.6	10	100	0	84.6	70-135	95.08	11.7	30	
Carbontetrachloride	43.54	5.0	50	0	87.1	65-126	50.01	13.8	30	
Chlorobenzene	43.03	5.0	50	0	86.1	70-130	49.03	13	30	
Chloroethane	41.14	10	50	0	82.3	65-125	46.3	11.8	30	
Chloroform	38.44	5.0	50	0	76.9	70-130	42.94	11.1	30	
Chloromethane	40.59	10	50	0	81.2	70-130	45.95	12.4	30	
cis-1,2-Dichloroethene	40.9	5.0	50	0	81.8	70-135	46.33	12.4	30	
cis-1,3-Dichloropropene	41.22	5.0	50	0	82.4	60-130	47.33	13.8	30	
Dibromochloromethane	40.43	5.0	50	0	80.9	70-130	44.82	10.3	30	
Dichloromethane	34.62	10	50	0	69.2	65-135	39.33	12.7	30	
Ethylbenzene	44.74	5.0	50	0	89.5	70-130	51.55	14.1	30	
Styrene	44.29	5.0	50	0	88.6	70-130	49.86	11.8	30	
Tetrachloroethene	46.46	5.0	50	0	92.9	70-130	52.63	12.5	30	
Toluene	44.37	5.0	50	0	88.7	70-130	49.53	11	30	
trans-1,2-Dichloroethene	39.78	5.0	50	0	79.6	65-130	44.86	12	30	
trans-1,3-Dichloropropene	38.81	5.0	50	0	77.6	70-130	43.61	11.6	30	
Trichloroethene	42.71	5.0	50	0	85.4	70-130	48.61	12.9	30	
Vinyl chloride	43.33	2.0	50	0	86.7	60-130	49.45	13.2	30	
Xylenes, Total	136.4	15	150	0	91	70-130	155.5	13	30	
Surr:1,2-Dichloroethane-d4	38.3	0	50	0	76.6	70-130	43	11.6	30	
Surr:4-Bromofluorobenzene	40.47	0	50	0	80.9	70-130	48.74	18.5	30	
Surr:Dibromofluoromethane	36.06	0	50	0	72.1	70-130	40.88	12.5	30	
Surr:Toluene-d8	42.11	0	50	0	84.2	70-130	46.74	10.4	30	

Thefollowingsampleswereanalyzedinthisbatch: 0311260-02A 0311260-03A

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: Navajo Refining Company
Work Order: 0311260
Project: CRI Proj

QC BATCH REPORT

Batch ID: **R17401** InstrumentID: **VOA_II**

MBLK Sample ID: **VBLKS-1124** Test Code: **SW8260** Units: **µg/Kg** Analysis Date: **11/24/03 14:20**

Client ID: Run ID: **VOA_II_031124A** SeqNo: **398227** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	ND	5.0								
1,1,2,2-Tetrachloroethane	ND	5.0								
1,1,2-Trichloroethane	ND	5.0								
1,1-Dichloroethane	ND	5.0								
1,1-Dichloroethene	ND	5.0								
1,2-Dichloroethane	ND	5.0								
1,2-Dichloropropane	ND	5.0								
2-Butanone	ND	10								
2-Hexanone	ND	10								
4-Methyl-2-pentanone	ND	10								
Acetone	ND	25								
Benzene	ND	5.0								
Bromodichloromethane	ND	5.0								
Bromoform	ND	5.0								
Bromomethane	ND	10								
Carbon disulfide	ND	10								
Carbon tetrachloride	ND	5.0								
Chlorobenzene	ND	5.0								
Chloroethane	ND	10								
Chloroform	ND	5.0								
Chloromethane	ND	10								
cis-1,2-Dichloroethene	ND	5.0								
cis-1,3-Dichloropropene	ND	5.0								
Dibromochloromethane	ND	5.0								
Dichloromethane	ND	10								
Ethylbenzene	ND	5.0								
Styrene	ND	5.0								
Tetrachloroethene	ND	5.0								
Toluene	ND	5.0								
trans-1,2-Dichloroethene	ND	5.0								
trans-1,3-Dichloropropene	ND	5.0								
Trichloroethene	ND	5.0								
Vinyl chloride	ND	2.0								
Xylenes, Total	ND	15								
Surr: 1,2-Dichloroethane-d4	41.3	0	50	0	82.6	70-130	0			
Surr: 4-Bromofluorobenzene	39.49	0	50	0	79	70-130	0			
Surr: Dibromofluoromethane	38.34	0	50	0	76.7	70-130	0			
Surr: Toluene-d8	42.82	0	50	0	85.6	70-130	0			

ND - Not Detected at the Reporting Limit
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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
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B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: Navajo Refining Company
Work Order: 0311260
Project: CRI Proj

QC BATCH REPORT

Batch ID: **R17401** InstrumentID: **VOA_II**

LCS Sample ID: **VLCSS-1124** Test Code: **SW8260** Units: **µg/Kg** Analysis Date: **11/24/03 13:00**
Client ID: Run ID: **VOA_II_031124A** SeqNo: **398225** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	43.61	5.0	50	0	87.2	71-125	0			
1,1,2,2-Tetrachloroethane	42.34	5.0	50	0	84.7	80-127	0			
1,1,2-Trichloroethane	41.86	5.0	50	0	83.7	81-124	0			
1,1-Dichloroethane	39.54	5.0	50	0	79.1	75-125	0			
1,1-Dichloroethene	43.81	5.0	50	0	87.6	74-126	0			
1,2-Dichloroethane	42.39	5.0	50	0	84.8	70-130	0			
1,2-Dichloropropane	43.8	5.0	50	0	87.6	81-124	0			
2-Butanone	74.53	10	100	0	74.5	65-132	0			
2-Hexanone	87.83	10	100	0	87.8	69-129	0			
4-Methyl-2-pentanone	86.24	10	100	0	86.2	70-130	0			
Acetone	73.99	25	100	0	74	60-130	0			
Benzene	46.79	5.0	50	0	93.6	83-120	0			
Bromodichloromethane	43.9	5.0	50	0	87.8	73-123	0			
Bromoform	41.27	5.0	50	0	82.5	76-124	0			
Bromomethane	38.75	10	50	0	77.5	60-130	0			
Carbon disulfide	90.46	10	100	0	90.5	75-128	0			
Carbontetrachloride	46.87	5.0	50	0	93.7	67-126	0			
Chlorobenzene	46.01	5.0	50	0	92	81-118	0			
Chloroethane	42.7	10	50	0	85.4	65-125	0			
Chloroform	38.8	5.0	50	0	77.6	74-125	0			
Chloromethane	41.96	10	50	0	83.9	73-127	0			
cis-1,2-Dichloroethene	41.13	5.0	50	0	82.3	78-124	0			
cis-1,3-Dichloropropene	44.94	5.0	50	0	89.9	82-122	0			
Dibromochloromethane	40.94	5.0	50	0	81.9	78-122	0			
Dichloromethane	40.06	10	50	0	80.1	75-125	0			
Ethylbenzene	47.15	5.0	50	0	94.3	82-120	0			
Styrene	46.91	5.0	50	0	93.8	81-122	0			
Tetrachloroethene	45.75	5.0	50	0	91.5	77-126	0			
Toluene	45.05	5.0	50	0	90.1	83-123	0			
trans-1,2-Dichloroethene	42.46	5.0	50	0	84.9	79-125	0			
trans-1,3-Dichloropropene	41.22	5.0	50	0	82.4	80-123	0			
Trichloroethene	45.95	5.0	50	0	91.9	76-125	0			
Vinyl chloride	43.85	2.0	50	0	87.7	70-129	0			
Xylenes, Total	141.6	15	150	0	94.4	80-120	0			
Surr:1,2-Dichloroethane-d4	39.97	0	50	0	79.9	70-130	0			
Surr:4-Bromofluorobenzene	45.65	0	50	0	91.3	70-130	0			
Surr:Dibromofluoromethane	39.83	0	50	0	79.7	70-130	0			
Surr: Toluene-d8	45.91	0	50	0	91.8	70-130	0			

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: Navajo Refining Company
Work Order: 0311260
Project: CRI Proj

QC BATCH REPORT

Batch ID: **R17401** InstrumentID: **VOA_II**

LCSD Sample ID: **VLCSSD-1124** Test Code: **SW8260** Units: **µg/Kg** Analysis Date: **11/24/03 13:27**
Client ID: Run ID: **VOA_II_031124A** SeqNo: **398226** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	49.32	5.0	50	0	98.6	71-125	43.61	12.3	30	
1,1,2,2-Tetrachloroethane	48.37	5.0	50	0	96.7	80-127	42.34	13.3	30	
1,1,2-Trichloroethane	46.9	5.0	50	0	93.8	81-124	41.86	11.4	30	
1,1-Dichloroethane	43.67	5.0	50	0	87.3	75-125	39.54	9.92	30	
1,1-Dichloroethene	47.72	5.0	50	0	95.4	74-126	43.81	8.54	30	
1,2-Dichloroethane	47.27	5.0	50	0	94.5	70-130	42.39	10.9	30	
1,2-Dichloropropane	48	5.0	50	0	96	81-124	43.8	9.15	30	
2-Butanone	83.33	10	100	0	83.3	65-132	74.53	11.1	30	
2-Hexanone	101.9	10	100	0	102	69-129	87.83	14.8	30	
4-Methyl-2-pentanone	100.7	10	100	0	101	70-130	86.24	15.5	30	
Acetone	80.51	25	100	0	80.5	60-130	73.99	8.44	30	
Benzene	50.7	5.0	50	0	101	83-120	46.79	8.02	30	
Bromodichloromethane	48.87	5.0	50	0	97.7	73-123	43.9	10.7	30	
Bromoform	48.37	5.0	50	0	96.7	76-124	41.27	15.8	30	
Bromomethane	41.46	10	50	0	82.9	60-130	38.75	6.76	30	
Carbon disulfide	97.72	10	100	0	97.7	75-128	90.46	7.71	30	
Carbontetrachloride	51	5.0	50	0	102	67-126	46.87	8.43	30	
Chlorobenzene	49.92	5.0	50	0	99.8	81-118	46.01	8.16	30	
Chloroethane	46.48	10	50	0	93	65-125	42.7	8.46	30	
Chloroform	43.06	5.0	50	0	86.1	74-125	38.8	10.4	30	
Chloromethane	45.08	10	50	0	90.2	73-127	41.96	7.17	30	
cis-1,2-Dichloroethene	46.82	5.0	50	0	93.6	78-124	41.13	12.9	30	
cis-1,3-Dichloropropene	50.33	5.0	50	0	101	82-122	44.94	11.3	30	
Dibromochloromethane	46.16	5.0	50	0	92.3	78-122	40.94	12	30	
Dichloromethane	45.41	10	50	0	90.8	75-125	40.06	12.5	30	
Ethylbenzene	51.67	5.0	50	0	103	82-120	47.15	9.14	30	
Styrene	51.56	5.0	50	0	103	81-122	46.91	9.45	30	
Tetrachloroethene	51.35	5.0	50	0	103	77-126	45.75	11.5	30	
Toluene	50.53	5.0	50	0	101	83-123	45.05	11.5	30	
trans-1,2-Dichloroethene	47.63	5.0	50	0	95.3	79-125	42.46	11.5	30	
trans-1,3-Dichloropropene	46.19	5.0	50	0	92.4	80-123	41.22	11.4	30	
Trichloroethene	50.44	5.0	50	0	101	76-125	45.95	9.32	30	
Vinyl chloride	47.64	2.0	50	0	95.3	70-129	43.85	8.29	30	
Xylenes, Total	157.7	15	150	0	105	80-120	141.6	10.7	30	
Surr:1,2-Dichloroethane-d4	41.45	0	50	0	82.9	70-130	39.97	3.66	30	
Surr:4-Bromofluorobenzene	47.74	0	50	0	95.5	70-130	45.65	4.48	30	
Surr:Dibromofluoromethane	39.8	0	50	0	79.6	70-130	39.83	0.0823	30	
Surr:Toluene-d8	46.07	0	50	0	92.1	70-130	45.91	0.337	30	

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B - Analyte detected in assoc. Method Blank
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E - Value above quantitation range

CLIENT: Navajo Refining Company
Work Order: 0311260
Project: CRI Proj

QC BATCH REPORT

Batch ID: **R17401** InstrumentID: **VOA_II**

MS Sample ID: **0311211-04AMS** Test Code: **SW8260** Units: **µg/Kg** Analysis Date: **11/24/03 15:13**
Client ID: Run ID: **VOA_II_031124A** SeqNo: **398228** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	51.59	5.0	50	0	103	55-145	0			
1,1,2,2-Tetrachloroethane	39.74	5.0	50	0	79.5	60-140	0			
1,1,2-Trichloroethane	40.36	5.0	50	0	80.7	60-135	0			
1,1-Dichloroethane	41.16	5.0	50	0	82.3	60-140	0			
1,1-Dichloroethene	44.61	5.0	50	0	89.2	60-140	0			
1,2-Dichloroethane	44.08	5.0	50	0	88.2	62-130	0			
1,2-Dichloropropane	44.46	5.0	50	0	88.9	65-130	0			
2-Butanone	64.75	10	100	0	64.7	65-135	0			S
2-Hexanone	72.51	10	100	0	72.5	65-135	0			
4-Methyl-2-pentanone	76.31	10	100	0	76.3	60-135	0			
Acetone	78.61	25	100	8.334	70.3	60-130	0			
Benzene	49.12	5.0	50	0	98.2	70-130	0			
Bromodichloromethane	42.18	5.0	50	0	84.4	70-130	0			
Bromoform	36.83	5.0	50	0	73.7	70-130	0			
Bromomethane	35.49	10	50	0	71	60-130	0			
Carbon disulfide	88.89	10	100	0	88.9	70-135	0			
Carbontetrachloride	50.59	5.0	50	0	101	65-126	0			
Chlorobenzene	45.62	5.0	50	0	91.2	70-130	0			
Chloroethane	42.02	10	50	0	84	65-125	0			
Chloroform	42.51	5.0	50	0	85	70-130	0			
Chloromethane	42.44	10	50	0	84.9	70-130	0			
cis-1,2-Dichloroethene	42.88	5.0	50	0	85.8	70-135	0			
cis-1,3-Dichloropropene	44.32	5.0	50	0	88.6	60-130	0			
Dibromochloromethane	36.91	5.0	50	0	73.8	70-130	0			
Dichloromethane	39.6	10	50	0	79.2	65-135	0			
Ethylbenzene	47.14	5.0	50	0	94.3	70-130	0			
Styrene	44.42	5.0	50	0	88.8	70-130	0			
Tetrachloroethene	49.41	5.0	50	0	98.8	70-130	0			
Toluene	49.34	5.0	50	0	98.7	70-130	0			
trans-1,2-Dichloroethene	43.11	5.0	50	0	86.2	65-130	0			
trans-1,3-Dichloropropene	39.71	5.0	50	0	79.4	70-130	0			
Trichloroethene	47.7	5.0	50	0	95.4	70-130	0			
Vinyl chloride	44.23	2.0	50	0	88.5	60-130	0			
Xylenes, Total	146.4	15	150	0	97.6	70-130	0			
Surr:1,2-Dichloroethane-d4	43.74	0	50	0	87.5	70-130	0			
Surr:4-Bromofluorobenzene	47.84	0	50	0	95.7	70-130	0			
Surr:Dibromofluoromethane	40.69	0	50	0	81.4	70-130	0			
Surr: Toluene-d8	47.11	0	50	0	94.2	70-130	0			

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B - Analyte detected in assoc. Method Blank
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E - Value above quantitation range

CLIENT: Navajo Refining Company
Work Order: 0311260
Project: CRI Proj

QC BATCH REPORT

Batch ID: **R17401** InstrumentID: **VOA_II**

MSD Sample ID: **0311211-04AMSD** Test Code: **SW8260** Units: **µg/Kg** Analysis Date: **11/24/03 15:40**
Client ID: Run ID: **VOA_II_031124A** SeqNo: **398229** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	49.47	5.0	50	0	98.9	55-145	51.59	4.19	30	
1,1,2,2-Tetrachloroethane	38.64	5.0	50	0	77.3	60-140	39.74	2.81	30	
1,1,2-Trichloroethane	39.77	5.0	50	0	79.5	60-135	40.36	1.47	30	
1,1-Dichloroethane	41.17	5.0	50	0	82.3	60-140	41.16	0.0301	30	
1,1-Dichloroethene	46.52	5.0	50	0	93	60-140	44.61	4.2	30	
1,2-Dichloroethane	43.02	5.0	50	0	86	62-130	44.08	2.43	30	
1,2-Dichloropropane	44.34	5.0	50	0	88.7	65-130	44.46	0.265	30	
2-Butanone	69.55	10	100	0	69.5	65-135	64.75	7.15	30	
2-Hexanone	78.61	10	100	0	78.6	65-135	72.51	8.07	30	
4-Methyl-2-pentanone	76.99	10	100	0	77	60-135	76.31	0.878	30	
Acetone	76.54	25	100	8.334	68.2	60-130	78.61	2.67	30	
Benzene	48.06	5.0	50	0	96.1	70-130	49.12	2.19	30	
Bromodichloromethane	40.62	5.0	50	0	81.2	70-130	42.18	3.76	30	
Bromoform	35.55	5.0	50	0	71.1	70-130	36.83	3.53	30	
Bromomethane	42.23	10	50	0	84.5	60-130	35.49	17.3	30	
Carbon disulfide	93	10	100	0	93	70-135	88.89	4.52	30	
Carbontetrachloride	47.93	5.0	50	0	95.9	65-126	50.59	5.41	30	
Chlorobenzene	44.4	5.0	50	0	88.8	70-130	45.62	2.73	30	
Chloroethane	48.03	10	50	0	96.1	65-125	42.02	13.3	30	
Chloroform	41.81	5.0	50	0	83.6	70-130	42.51	1.66	30	
Chloromethane	47.66	10	50	0	95.3	70-130	42.44	11.6	30	
cis-1,2-Dichloroethene	42.67	5.0	50	0	85.3	70-135	42.88	0.513	30	
cis-1,3-Dichloropropene	42.15	5.0	50	0	84.3	60-130	44.32	5.02	30	
Dibromochloromethane	35.91	5.0	50	0	71.8	70-130	36.91	2.72	30	
Dichloromethane	39.6	10	50	0	79.2	65-135	39.6	0.0218	30	
Ethylbenzene	46.3	5.0	50	0	92.6	70-130	47.14	1.8	30	
Styrene	42.04	5.0	50	0	84.1	70-130	44.42	5.51	30	
Tetrachloroethene	47.43	5.0	50	0	94.9	70-130	49.41	4.1	30	
Toluene	46.38	5.0	50	0	92.8	70-130	49.34	6.2	30	
trans-1,2-Dichloroethene	45.47	5.0	50	0	90.9	65-130	43.11	5.33	30	
trans-1,3-Dichloropropene	37.59	5.0	50	0	75.2	70-130	39.71	5.49	30	
Trichloroethene	45.74	5.0	50	0	91.5	70-130	47.7	4.2	30	
Vinyl chloride	50.91	2.0	50	0	102	60-130	44.23	14	30	
Xylenes, Total	138.5	15	150	0	92.3	70-130	146.4	5.55	30	
Surr:1,2-Dichloroethane-d4	43.19	0	50	0	86.4	70-130	43.74	1.28	30	
Surr: 4-Bromofluorobenzene	48.27	0	50	0	96.5	70-130	47.84	0.889	30	
Surr: Dibromofluoromethane	40.69	0	50	0	81.4	70-130	40.69	0.00225	30	
Surr: Toluene-d8	47.97	0	50	0	95.9	70-130	47.11	1.82	30	

Thefollowingsampleswereanalyzedinthisbatch: 0311260-01A 0311260-05A 0311260-06A

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O - Referenced analyte value is > 4 times amount spiked
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U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: Navajo Refining Company
Work Order: 0311260
Project: CRI Proj

QC BATCH REPORT

Batch ID: **R17417** InstrumentID: **VOA3**

MBLK Sample ID: **VBLKS-1125** Test Code: **SW8260** Units: **µg/Kg** Analysis Date: **11/26/03 6:28**

Client ID: Run ID: **VOA3_031125B** SeqNo: **398615** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	ND	5.0								
1,1,2,2-Tetrachloroethane	ND	5.0								
1,1,2-Trichloroethane	ND	5.0								
1,1-Dichloroethane	ND	5.0								
1,1-Dichloroethene	ND	5.0								
1,2-Dichloroethane	ND	5.0								
1,2-Dichloropropane	ND	5.0								
2-Butanone	ND	10								
2-Hexanone	ND	10								
4-Methyl-2-pentanone	ND	10								
Acetone	ND	25								
Benzene	ND	5.0								
Bromodichloromethane	ND	5.0								
Bromoform	ND	5.0								
Bromomethane	ND	10								
Carbon disulfide	ND	10								
Carbon tetrachloride	ND	5.0								
Chlorobenzene	ND	5.0								
Chloroethane	ND	10								
Chloroform	ND	5.0								
Chloromethane	ND	10								
cis-1,2-Dichloroethene	ND	5.0								
cis-1,3-Dichloropropene	ND	5.0								
Dibromochloromethane	ND	5.0								
Dichloromethane	ND	10								
Ethylbenzene	ND	5.0								
Styrene	ND	5.0								
Tetrachloroethene	ND	5.0								
Toluene	ND	5.0								
trans-1,2-Dichloroethene	ND	5.0								
trans-1,3-Dichloropropene	ND	5.0								
Trichloroethene	ND	5.0								
Vinyl chloride	ND	2.0								
Xylenes, Total	ND	15								
Surr: 1,2-Dichloroethane-d4	43.37	0	50	0	86.7	70-130		0		
Surr: 4-Bromofluorobenzene	43.71	0	50	0	87.4	70-130		0		
Surr: Dibromofluoromethane	44.8	0	50	0	89.6	70-130		0		
Surr: Toluene-d8	46.72	0	50	0	93.4	70-130		0		

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: Navajo Refining Company
Work Order: 0311260
Project: CRI Proj

QC BATCH REPORT

Batch ID: **R17417** InstrumentID: **VOA3**

LCS Sample ID: **VLCSS-1125** Test Code: **SW8260** Units: **µg/Kg** Analysis Date: **11/26/03 5:29**

Client ID: Run ID: **VOA3_031125B** SeqNo: **398613** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	49.15	5.0	50	0	98.3	71-125	0			
1,1,2,2-Tetrachloroethane	48.43	5.0	50	0	96.9	80-127	0			
1,1,2-Trichloroethane	48.63	5.0	50	0	97.3	81-124	0			
1,1-Dichloroethane	47.84	5.0	50	0	95.7	75-125	0			
1,1-Dichloroethene	49.75	5.0	50	0	99.5	74-126	0			
1,2-Dichloroethane	48.75	5.0	50	0	97.5	70-130	0			
1,2-Dichloropropane	50.64	5.0	50	0	101	81-124	0			
2-Butanone	93.13	10	100	0	93.1	65-132	0			
2-Hexanone	99.95	10	100	0	100	69-129	0			
4-Methyl-2-pentanone	102	10	100	0	102	70-130	0			
Acetone	92.08	25	100	0	92.1	60-130	0			
Benzene	49.84	5.0	50	0	99.7	83-120	0			
Bromodichloromethane	50.37	5.0	50	0	101	73-123	0			
Bromoform	47.5	5.0	50	0	95	76-124	0			
Bromomethane	49.89	10	50	0	99.8	60-130	0			
Carbon disulfide	97.91	10	100	0	97.9	75-128	0			
Carbontetrachloride	50.68	5.0	50	0	101	67-126	0			
Chlorobenzene	48.95	5.0	50	0	97.9	81-118	0			
Chloroethane	48.61	10	50	0	97.2	65-125	0			
Chloroform	47.69	5.0	50	0	95.4	74-125	0			
Chloromethane	49.6	10	50	0	99.2	73-127	0			
cis-1,2-Dichloroethene	48.18	5.0	50	0	96.4	78-124	0			
cis-1,3-Dichloropropene	50.82	5.0	50	0	102	82-122	0			
Dibromochloromethane	51.48	5.0	50	0	103	78-122	0			
Dichloromethane	47.62	10	50	0	95.2	75-125	0			
Ethylbenzene	49.36	5.0	50	0	98.7	82-120	0			
Styrene	50.9	5.0	50	0	102	81-122	0			
Tetrachloroethene	51.91	5.0	50	0	104	77-126	0			
Toluene	49.42	5.0	50	0	98.8	83-123	0			
trans-1,2-Dichloroethene	49.08	5.0	50	0	98.2	79-125	0			
trans-1,3-Dichloropropene	52.45	5.0	50	0	105	80-123	0			
Trichloroethene	49.78	5.0	50	0	99.6	76-125	0			
Vinyl chloride	49.46	2.0	50	0	98.9	70-129	0			
Xylenes, Total	149.3	15	150	0	99.5	80-120	0			
Surr:1,2-Dichloroethane-d4	43.86	0	50	0	87.7	70-130	0			
Surr:4-Bromofluorobenzene	45.92	0	50	0	91.8	70-130	0			
Surr:Dibromofluoromethane	43.35	0	50	0	86.7	70-130	0			
Surr: Toluene-d8	46.83	0	50	0	93.7	70-130	0			

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: Navajo Refining Company
Work Order: 0311260
Project: CRI Proj

QC BATCH REPORT

Batch ID: **R17417** InstrumentID: **VOA3**

LCSD Sample ID: **VLCSSD-1125** Test Code: **SW8260** Units: **µg/Kg** Analysis Date: **11/26/03 5:58**

Client ID: Run ID: **VOA3_031125B** SeqNo: **398614** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	50.42	5.0	50	0	101	71-125	49.15	2.56	30	
1,1,2,2-Tetrachloroethane	50.1	5.0	50	0	100	80-127	48.43	3.4	30	
1,1,2-Trichloroethane	50.71	5.0	50	0	101	81-124	48.63	4.2	30	
1,1-Dichloroethane	49.33	5.0	50	0	98.7	75-125	47.84	3.05	30	
1,1-Dichloroethene	50.61	5.0	50	0	101	74-126	49.75	1.73	30	
1,2-Dichloroethane	50.31	5.0	50	0	101	70-130	48.75	3.15	30	
1,2-Dichloropropane	51.66	5.0	50	0	103	81-124	50.64	2	30	
2-Butanone	92.38	10	100	0	92.4	65-132	93.13	0.809	30	
2-Hexanone	106.1	10	100	0	106	69-129	99.95	6.01	30	
4-Methyl-2-pentanone	104.3	10	100	0	104	70-130	102	2.21	30	
Acetone	94.19	25	100	0	94.2	60-130	92.08	2.26	30	
Benzene	50.74	5.0	50	0	101	83-120	49.84	1.8	30	
Bromodichloromethane	51.06	5.0	50	0	102	73-123	50.37	1.36	30	
Bromoform	49.29	5.0	50	0	98.6	76-124	47.5	3.69	30	
Bromomethane	48.82	10	50	0	97.6	60-130	49.89	2.17	30	
Carbon disulfide	100.1	10	100	0	100	75-128	97.91	2.16	30	
Carbon tetrachloride	50.87	5.0	50	0	102	67-126	50.68	0.375	30	
Chlorobenzene	50.26	5.0	50	0	101	81-118	48.95	2.63	30	
Chloroethane	48.69	10	50	0	97.4	65-125	48.61	0.161	30	
Chloroform	48.65	5.0	50	0	97.3	74-125	47.69	2.01	30	
Chloromethane	50.12	10	50	0	100	73-127	49.6	1.04	30	
cis-1,2-Dichloroethene	48.59	5.0	50	0	97.2	78-124	48.18	0.843	30	
cis-1,3-Dichloropropene	52.3	5.0	50	0	105	82-122	50.82	2.88	30	
Dibromochloromethane	51.99	5.0	50	0	104	78-122	51.48	0.992	30	
Dichloromethane	48.84	10	50	0	97.7	75-125	47.62	2.53	30	
Ethylbenzene	50.09	5.0	50	0	100	82-120	49.36	1.45	30	
Styrene	52.51	5.0	50	0	105	81-122	50.9	3.12	30	
Tetrachloroethene	54.06	5.0	50	0	108	77-126	51.91	4.06	30	
Toluene	50.09	5.0	50	0	100	83-123	49.42	1.35	30	
trans-1,2-Dichloroethene	48.54	5.0	50	0	97.1	79-125	49.08	1.11	30	
trans-1,3-Dichloropropene	52.92	5.0	50	0	106	80-123	52.45	0.881	30	
Trichloroethene	50.56	5.0	50	0	101	76-125	49.78	1.55	30	
Vinyl chloride	48.89	2.0	50	0	97.8	70-129	49.46	1.15	30	
Xylenes, Total	151.4	15	150	0	101	80-120	149.3	1.37	30	
Surr:1,2-Dichloroethane-d4	44.51	0	50	0	89	70-130	43.86	1.48	30	
Surr:4-Bromofluorobenzene	46.41	0	50	0	92.8	70-130	45.92	1.06	30	
Surr:Dibromofluoromethane	45.01	0	50	0	90	70-130	43.35	3.76	30	
Surr: Toluene-d8	48.34	0	50	0	96.7	70-130	46.83	3.19	30	

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: Navajo Refining Company
Work Order: 0311260
Project: CRI Proj

QC BATCH REPORT

Batch ID: **R17417** InstrumentID: **VOA3**

MS Sample ID: **0311273-01AMS** Test Code: **SW8260** Units: **µg/Kg** Analysis Date: **11/26/03 7:27**

Client ID: Run ID: **VOA3_031125B** SeqNo: **398616** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	41.48	5.0	50	0	83	55-145	0			
1,1,2-Trichloroethane	38.19	5.0	50	0	76.4	60-135	0			
1,1-Dichloroethane	41.42	5.0	50	0	82.8	60-140	0			
1,1-Dichloroethene	45.17	5.0	50	0	90.3	60-140	0			
1,2-Dichloroethane	41.1	5.0	50	0	82.2	62-130	0			
1,2-Dichloropropane	41.39	5.0	50	0	82.8	65-130	0			
2-Butanone	75.9	10	100	0	75.9	65-135	0			
2-Hexanone	83.67	10	100	0	83.7	65-135	0			
4-Methyl-2-pentanone	85.45	10	100	0	85.5	60-135	0			
Acetone	69.3	25	100	0	69.3	60-130	0			
Benzene	42.23	5.0	50	0	84.5	70-130	0			
Bromodichloromethane	39.57	5.0	50	0	79.1	70-130	0			
Bromoform	34.51	5.0	50	0	69	70-130	0			S
Bromomethane	38.89	10	50	0	77.8	60-130	0			
Carbon disulfide	82.98	10	100	0	83	70-135	0			
Carbontetrachloride	37.55	5.0	50	0	75.1	65-126	0			
Chlorobenzene	37.34	5.0	50	0	74.7	70-130	0			
Chloroethane	43.03	10	50	0	86.1	65-125	0			
Chloroform	41.19	5.0	50	0	82.4	70-130	0			
Chloromethane	43.45	10	50	0	86.9	70-130	0			
cis-1,2-Dichloroethene	40.72	5.0	50	0	81.4	70-135	0			
cis-1,3-Dichloropropene	35.5	5.0	50	0	71	60-130	0			
Dibromochloromethane	37.34	5.0	50	0	74.7	70-130	0			
Dichloromethane	43.29	10	50	0	86.6	65-135	0			
Ethylbenzene	36.25	5.0	50	0	72.5	70-130	0			
Styrene	36.78	5.0	50	0	73.6	70-130	0			
Tetrachloroethene	50.57	5.0	50	0	101	70-130	0			
Toluene	39.03	5.0	50	0	78.1	70-130	0			
trans-1,2-Dichloroethene	42.45	5.0	50	0	84.9	65-130	0			
trans-1,3-Dichloropropene	37.18	5.0	50	0	74.4	70-130	0			
Trichloroethene	69.85	5.0	50	0	140	70-130	0			S
Vinyl chloride	43.06	2.0	50	0	86.1	60-130	0			
Xylenes, Total	105.2	15	150	0	70.1	70-130	0			
Surr:1,2-Dichloroethane-d4	46.13	0	50	0	92.3	70-130	0			
Surr:4-Bromofluorobenzene	45.51	0	50	0	91	70-130	0			
Surr:Dibromofluoromethane	43.34	0	50	0	86.7	70-130	0			
Surr: Toluene-d8	46.15	0	50	0	92.3	70-130	0			

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: Navajo Refining Company
Work Order: 0311260
Project: CRI Proj

QC BATCH REPORT

Batch ID: **R17417** InstrumentID: **VOA3**

MSD Sample ID: **0311273-01AMSD** Test Code: **SW8260** Units: **µg/Kg** Analysis Date: **11/26/03 7:57**

Client ID: Run ID: **VOA3_031125B** SeqNo: **398617** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	38.3	5.0	50	0	76.6	55-145	41.48	7.97	30	
1,1,2-Trichloroethane	36.23	5.0	50	0	72.5	60-135	38.19	5.28	30	
1,1-Dichloroethane	38.09	5.0	50	0	76.2	60-140	41.42	8.38	30	
1,1-Dichloroethene	42.02	5.0	50	0	84	60-140	45.17	7.22	30	
1,2-Dichloroethane	37.51	5.0	50	0	75	62-130	41.1	9.14	30	
1,2-Dichloropropane	38.5	5.0	50	0	77	65-130	41.39	7.22	30	
2-Butanone	71.25	10	100	0	71.3	65-135	75.9	6.32	30	
2-Hexanone	78.76	10	100	0	78.8	65-135	83.67	6.04	30	
4-Methyl-2-pentanone	81.99	10	100	0	82	60-135	85.45	4.14	30	
Acetone	64.21	25	100	0	64.2	60-130	69.3	7.62	30	
Benzene	38.98	5.0	50	0	78	70-130	42.23	8.01	30	
Bromodichloromethane	37.04	5.0	50	0	74.1	70-130	39.57	6.61	30	
Bromoform	33.73	5.0	50	0	67.5	70-130	34.51	2.27	30	S
Bromomethane	34.92	10	50	0	69.8	60-130	38.89	10.8	30	
Carbon disulfide	77.72	10	100	0	77.7	70-135	82.98	6.55	30	
Carbontetrachloride	35.51	5.0	50	0	71	65-126	37.55	5.59	30	
Chlorobenzene	34.67	5.0	50	0	69.3	70-130	37.34	7.4	30	S
Chloroethane	39.61	10	50	0	79.2	65-125	43.03	8.29	30	
Chloroform	37.98	5.0	50	0	76	70-130	41.19	8.11	30	
Chloromethane	41.44	10	50	0	82.9	70-130	43.45	4.73	30	
cis-1,2-Dichloroethene	37.18	5.0	50	0	74.4	70-135	40.72	9.1	30	
cis-1,3-Dichloropropene	32.36	5.0	50	0	64.7	60-130	35.5	9.25	30	
Dibromochloromethane	36.18	5.0	50	0	72.4	70-130	37.34	3.15	30	
Dichloromethane	39.37	10	50	0	78.7	65-135	43.29	9.48	30	
Ethylbenzene	33.51	5.0	50	0	67	70-130	36.25	7.84	30	S
Styrene	33.69	5.0	50	0	67.4	70-130	36.78	8.77	30	S
Tetrachloroethene	46.42	5.0	50	0	92.8	70-130	50.57	8.56	30	
Toluene	36.72	5.0	50	0	73.4	70-130	39.03	6.11	30	
trans-1,2-Dichloroethene	37.94	5.0	50	0	75.9	65-130	42.45	11.2	30	
trans-1,3-Dichloropropene	34.75	5.0	50	0	69.5	70-130	37.18	6.77	30	S
Trichloroethene	64.47	5.0	50	0	129	70-130	69.85	8	30	
Vinyl chloride	41.86	2.0	50	0	83.7	60-130	43.06	2.83	30	
Xylenes, Total	98.64	15	150	0	65.8	70-130	105.2	6.45	30	S
Surr:1,2-Dichloroethane-d4	43.18	0	50	0	86.4	70-130	46.13	6.61	30	
Surr:4-Bromofluorobenzene	43.4	0	50	0	86.8	70-130	45.51	4.75	30	
Surr:Dibromofluoromethane	41.64	0	50	0	83.3	70-130	43.34	3.98	30	
Surr:Toluene-d8	44.6	0	50	0	89.2	70-130	46.15	3.41	30	

Thefollowingsampleswereanalyzedinthisbatch: 0311260-04A

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: Navajo Refining Company
Work Order: 0311260
Project: CRI Proj

QC BATCH REPORT

Batch ID: **R17424** InstrumentID: **VOA_I**

MBLK Sample ID: **VBLKM-1125** Test Code: **SW8260** Units: **µg/Kg** Analysis Date: **11/26/03 11:12**
Client ID: Run ID: **VOA_I_031125C** SeqNo: **398798** Prep Date: DF: **125**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	ND	620								
1,1,2,2-Tetrachloroethane	ND	620								
1,1,2-Trichloroethane	ND	620								
1,1-Dichloroethane	ND	620								
1,1-Dichloroethene	ND	620								
1,2-Dichloroethane	ND	620								
1,2-Dichloropropane	ND	620								
2-Butanone	ND	1,200								
2-Hexanone	ND	1,200								
4-Methyl-2-pentanone	ND	1,200								
Acetone	ND	3,100								
Benzene	ND	620								
Bromodichloromethane	ND	620								
Bromoform	ND	620								
Bromomethane	ND	1,200								
Carbon disulfide	ND	1,200								
Carbon tetrachloride	ND	620								
Chlorobenzene	ND	620								
Chloroethane	ND	1,200								
Chloroform	ND	620								
Chloromethane	ND	1,200								
cis-1,2-Dichloroethene	ND	620								
cis-1,3-Dichloropropene	ND	620								
Dibromochloromethane	ND	620								
Dichloromethane	ND	1,200								
Ethylbenzene	ND	620								
Styrene	ND	620								
Tetrachloroethene	ND	620								
Toluene	ND	620								
trans-1,2-Dichloroethene	ND	620								
trans-1,3-Dichloropropene	ND	620								
Trichloroethene	ND	620								
Vinyl chloride	ND	250								
Xylenes, Total	ND	1,900								
Surr:1,2-Dichloroethane-d4	5543	0	6250	0	88.7	70-130		0		
Surr:4-Bromofluorobenzene	6185	0	6250	0	99	70-130		0		
Surr:Dibromofluoromethane	5823	0	6250	0	93.2	70-130		0		
Surr: Toluene-d8	6131	0	6250	0	98.1	70-130		0		

ND - Not Detected at the Reporting Limit
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R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: Navajo Refining Company
Work Order: 0311260
Project: CRI Proj

QC BATCH REPORT

Batch ID: **R17424** InstrumentID: **VOA_I**

LCS Sample ID: **VLCSW-1125** Test Code: **SW8260** Units: **µg/Kg** Analysis Date: **11/26/03 3:06**

Client ID: Run ID: **VOA_I_031125C** SeqNo: **398797** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	45.99	5.0	50	0	92	71-125	0			
1,1,2,2-Tetrachloroethane	46.5	5.0	50	0	93	80-127	0			
1,1,2-Trichloroethane	49.07	5.0	50	0	98.1	81-124	0			
1,1-Dichloroethane	47.04	5.0	50	0	94.1	75-125	0			
1,1-Dichloroethene	46.51	5.0	50	0	93	74-126	0			
1,2-Dichloroethane	47.99	5.0	50	0	96	70-130	0			
1,2-Dichloropropane	47.75	5.0	50	0	95.5	81-124	0			
2-Butanone	95.42	10	100	0	95.4	65-132	0			
2-Hexanone	74.8	10	100	0	74.8	69-129	0			
4-Methyl-2-pentanone	90.84	10	100	0	90.8	70-130	0			
Acetone	100	25	100	0	100	60-130	0			
Benzene	46.11	5.0	50	0	92.2	83-120	0			
Bromodichloromethane	48.72	5.0	50	0	97.4	73-123	0			
Bromoform	50.39	5.0	50	0	101	76-124	0			
Bromomethane	41.12	10	50	0	82.2	60-130	0			
Carbon disulfide	92.97	10	100	0	93	75-128	0			
Carbontetrachloride	46.54	5.0	50	0	93.1	67-126	0			
Chlorobenzene	47.7	5.0	50	0	95.4	81-118	0			
Chloroethane	46.03	10	50	0	92.1	65-125	0			
Chloroform	46.93	5.0	50	0	93.9	74-125	0			
Chloromethane	52.92	10	50	0	106	73-127	0			
cis-1,2-Dichloroethene	47.1	5.0	50	0	94.2	78-124	0			
cis-1,3-Dichloropropene	51.76	5.0	50	0	104	82-122	0			
Dibromochloromethane	50.81	5.0	50	0	102	78-122	0			
Dichloromethane	46.65	10	50	0	93.3	75-125	0			
Ethylbenzene	48.15	5.0	50	0	96.3	82-120	0			
Styrene	50.68	5.0	50	0	101	81-122	0			
Tetrachloroethene	47.93	5.0	50	0	95.9	77-126	0			
Toluene	47.45	5.0	50	0	94.9	83-123	0			
trans-1,2-Dichloroethene	46.63	5.0	50	0	93.3	79-125	0			
trans-1,3-Dichloropropene	51.32	5.0	50	0	103	80-123	0			
Trichloroethene	48.3	5.0	50	0	96.6	76-125	0			
Vinyl chloride	45.4	2.0	50	0	90.8	70-129	0			
Xylenes, Total	145.4	15	150	0	96.9	80-120	0			
Surr:1,2-Dichloroethane-d4	43.48	0	50	0	87	70-130	0			
Surr:4-Bromofluorobenzene	50.16	0	50	0	100	70-130	0			
Surr:Dibromofluoromethane	46.67	0	50	0	93.3	70-130	0			
Surr: Toluene-d8	48.47	0	50	0	96.9	70-130	0			

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: Navajo Refining Company
Work Order: 0311260
Project: CRI Proj

QC BATCH REPORT

Batch ID: **R17424** InstrumentID: **VOA_I**

MS Sample ID: **0311260-01AMS** Test Code: **SW8260** Units: **µg/Kg** Analysis Date: **11/26/03 12:06**
Client ID: **CRIHAZ1** Run ID: **VOA_I_031125C** SeqNo: **398799** Prep Date: DF: **125**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	6328	620	6250	0	101	55-145	0			
1,1,2,2-Tetrachloroethane	8017	620	6250	0	128	60-140	0			
1,1,2-Trichloroethane	7672	620	6250	0	123	60-135	0			
1,1-Dichloroethane	6544	620	6250	0	105	60-140	0			
1,1-Dichloroethene	6319	620	6250	0	101	60-140	0			
1,2-Dichloroethane	6711	620	6250	0	107	62-130	0			
1,2-Dichloropropane	7249	620	6250	0	116	65-130	0			
2-Butanone	17270	1,200	12500	0	138	65-135	0			S
2-Hexanone	7141	1,200	12500	0	57.1	65-135	0			S
4-Methyl-2-pentanone	12400	1,200	12500	0	99.2	60-135	0			
Acetone	37910	3,100	12500	23570	115	60-130	0			
Benzene	6523	620	6250	0	104	70-130	0			
Bromodichloromethane	6896	620	6250	0	110	70-130	0			
Bromoform	7180	620	6250	0	115	70-130	0			
Bromomethane	2334	1,200	6250	0	37.3	60-130	0			S
Carbon disulfide	12700	1,200	12500	0	102	70-135	0			
Carbon tetrachloride	6216	620	6250	0	99.5	65-126	0			
Chlorobenzene	6801	620	6250	0	109	70-130	0			
Chloroethane	1924	1,200	6250	0	30.8	65-125	0			S
Chloroform	6670	620	6250	0	107	70-130	0			
Chloromethane	7482	1,200	6250	0	120	70-130	0			
cis-1,2-Dichloroethene	6880	620	6250	0	110	70-135	0			
cis-1,3-Dichloropropene	7607	620	6250	0	122	60-130	0			
Dibromochloromethane	6924	620	6250	0	111	70-130	0			
Dichloromethane	6574	1,200	6250	0	105	65-135	0			
Ethylbenzene	11610	620	6250	4913	107	70-130	0			
Styrene	7563	620	6250	0	121	70-130	0			
Tetrachloroethene	6533	620	6250	0	105	70-130	0			
Toluene	7173	620	6250	639	105	70-130	0			
trans-1,2-Dichloroethene	6343	620	6250	0	101	65-130	0			
trans-1,3-Dichloropropene	7691	620	6250	0	123	70-130	0			
Trichloroethene	6490	620	6250	0	104	70-130	0			
Vinyl chloride	6386	250	6250	0	102	60-130	0			
Xylenes, Total	34620	1,900	18750	14340	108	70-130	0			
Surr: 1,2-Dichloroethane-d4	5289	0	6250	0	84.6	70-130	0			
Surr: 4-Bromofluorobenzene	6666	0	6250	0	107	70-130	0			
Surr: Dibromofluoromethane	5809	0	6250	0	92.9	70-130	0			
Surr: Toluene-d8	6033	0	6250	0	96.5	70-130	0			

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

CLIENT: Navajo Refining Company
Work Order: 0311260
Project: CRI Proj

QC BATCH REPORT

Batch ID: **R17424** InstrumentID: **VOA_I**

MSD Sample ID: **0311260-01AMSD** Test Code: **SW8260** Units: **µg/Kg** Analysis Date: **11/26/03 12:33**
Client ID: **CRIHAZ1** Run ID: **VOA_I_031125C** SeqNo: **398800** Prep Date: DF: **125**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	6476	620	6250	0	104	55-145	6328	2.32	30	
1,1,2,2-Tetrachloroethane	8162	620	6250	0	131	60-140	8017	1.79	30	
1,1,2-Trichloroethane	8014	620	6250	0	128	60-135	7672	4.37	30	
1,1-Dichloroethane	6743	620	6250	0	108	60-140	6544	2.99	30	
1,1-Dichloroethene	6567	620	6250	0	105	60-140	6319	3.85	30	
1,2-Dichloroethane	6828	620	6250	0	109	62-130	6711	1.72	30	
1,2-Dichloropropane	7579	620	6250	0	121	65-130	7249	4.46	30	
2-Butanone	17670	1,200	12500	0	141	65-135	17270	2.32	30	S
2-Hexanone	7820	1,200	12500	0	62.6	65-135	7141	9.07	30	S
4-Methyl-2-pentanone	13240	1,200	12500	0	106	60-135	12400	6.56	30	
Acetone	37970	3,100	12500	23570	115	60-130	37910	0.162	30	
Benzene	6748	620	6250	0	108	70-130	6523	3.4	30	
Bromodichloromethane	6926	620	6250	0	111	70-130	6896	0.444	30	
Bromoform	7453	620	6250	0	119	70-130	7180	3.74	30	
Bromomethane	2442	1,200	6250	0	39.1	60-130	2334	4.51	30	S
Carbon disulfide	13170	1,200	12500	0	105	70-135	12700	3.62	30	
Carbontetrachloride	6295	620	6250	0	101	65-126	6216	1.26	30	
Chlorobenzene	6970	620	6250	0	112	70-130	6801	2.46	30	
Chloroethane	1905	1,200	6250	0	30.5	65-125	1924	1.01	30	S
Chloroform	6817	620	6250	0	109	70-130	6670	2.18	30	
Chloromethane	8089	1,200	6250	0	129	70-130	7482	7.79	30	
cis-1,2-Dichloroethene	7119	620	6250	0	114	70-135	6880	3.42	30	
cis-1,3-Dichloropropene	7861	620	6250	0	126	60-130	7607	3.29	30	
Dibromochloromethane	7146	620	6250	0	114	70-130	6924	3.16	30	
Dichloromethane	6732	1,200	6250	0	108	65-135	6574	2.38	30	
Ethylbenzene	11850	620	6250	4913	111	70-130	11610	2.01	30	
Styrene	7804	620	6250	0	125	70-130	7563	3.14	30	
Tetrachloroethene	6692	620	6250	0	107	70-130	6533	2.41	30	
Toluene	7473	620	6250	639	109	70-130	7173	4.1	30	
trans-1,2-Dichloroethene	6545	620	6250	0	105	65-130	6343	3.14	30	
trans-1,3-Dichloropropene	7904	620	6250	0	126	70-130	7691	2.73	30	
Trichloroethene	6629	620	6250	0	106	70-130	6490	2.13	30	
Vinyl chloride	6697	250	6250	0	107	60-130	6386	4.76	30	
Xylenes, Total	35290	1,900	18750	14340	112	70-130	34620	1.91	30	
Surr:1,2-Dichloroethane-d4	5202	0	6250	0	83.2	70-130	5289	1.66	30	
Surr:4-Bromofluorobenzene	5799	0	6250	0	92.8	70-130	6666	13.9	30	
Surr:Dibromofluoromethane	5776	0	6250	0	92.4	70-130	5809	0.58	30	
Surr:Toluene-d8	6194	0	6250	0	99.1	70-130	6033	2.64	30	

Thefollowingsampleswereanalyzedinthisbatch: 0311260-01A

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
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B - Analyte detected in assoc. Method Blank
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E - Value above quantitation range

The Right Chemistry, The Right Solution®

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

455282 031120

Page: 1 of 1

Section A Required Client Information:

- Company: NAVAJO
- Address: 501 E. Main, Artesia NM 88210
- Phone: 505 748 3311
- Fax: 505 746 5421

Section B Required Client Information:

- Report To: Charlie Plymale
- Invoice To: Charlie Plymale
- P.O.:
- Project Name: CRI Proj
- Project Number:

Client Information (Check quote/contract):
Requested Due Date: *TAT:

* Under 14 day turnaround subject to laboratory and contractual obligations and may result in a Rush Turnaround Surcharge.
Turn Around Time (TAT) in calender days.

Section C To Be Completed by Pace Analytical and Client

- Quote Reference:
- Project Manager:
- Project #:
- Profile #:
- Requested Analysis: 8260 Method; 8270 method; 6000 and 7000 series RCRA metals

Section D Required Client Information:

SAMPLE ID — One character per box. (A–Z, 0–9 / .–) Sample IDs MUST BE UNIQUE

Valid Matrix Codes: MATRIX / CODE — WATER WT, SOIL SL, OIL OL, WIPE WP, AIR AR, TISSUE TS, OTHER OT

ITEM #	SAMPLE ID	MATRIX CODE	DATE COLLECTED mm / dd / yy	TIME COLLECTED mm : hh a/p	# Containers	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	8260 Method	8270 method	6000 and 7000 series RCRA metals	Remarks / Lab ID
1	CRIHAZ1		11/20/03	900	1							X	X	X	
2	CRINH#1		11/20/03	1445	1							X	X	X	
3	CRINH#2		11/20/03	1450	1							X	X	X	
4	CRINH#3		11/20/03	1455	1							X	X	X	
5	CRINH#4		11/20/03	1500	1							X	X	X	
6	CRINH#5		11/20/03	1505	1							X	X	X	
7															
8															
9															
10															
11															
12															

Sample Condition		Sample Notes	Item No.	Relinquished By / Company	Date	Time	Accepted By / Company	Date	Time
Temp in °C:									
Received on ICE:	Y / N								
Sealed Cooler:	Y / N								
Samples Intact:	Y / N						Richard Sanchez 11-22-03	11-22-03	1050

Additional Comments:

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Charlie Plymale

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM / DD / YY): 11/21/03

SEE REVERSE SIDE FOR INSTRUCTIONS

Pace Analytical Services, Inc. Form COC01.XLS 08/98

ORIGINAL

e-Lab, Inc.

Sample Receipt Checklist

Client Name NAVAJO REFINING

Date/Time Received: 11/22/2003 10:50:00 AM

Work Order Number 0311260

Received by: RSZ

Checklist completed by RICHARD SANCHEZ 11.22.03 (Signature / Date)

Reviewed by _____ 11/24/03 (Initials / Date)

Matrix: S

Carrier name FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	3.2c	003	
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑

Adjusted? _____ Checked by _____

Login Notes: Split sample into

Any No and/or NA (not applicable) response must be detailed in the comments section below.

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NMD048918817	Manifest Document No. 48476	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Navajo Refining, P.O. Box 159, Artesia, NM 88210

4. Generator's Phone (505) 748-3311

A. State Manifest Document Number **3348476**

B. State Generator's ID

5. Transporter 1 Company Name: Eldorado Transports, Inc.

6. US EPA ID Number: TXD988057931

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address: Disposal Inc., 2700 Ave. S., San Leon, TX 77539

10. US EPA ID Number: TXD981053770

G. State Facility's ID: 34819

H. Facility's Phone: 281-339-1352

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
X	a. RQ, Hazardous Waste, Solid, n.o.s., 9, NA 3077, PG III (F037, F038, K050, K169)	001	CM	Est. 29860	P	[illegible]
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above: Profile # DFO 0151

K. Handling Codes for Wastes Listed Above: [illegible]

15. Special Handling Instructions and Additional Information: 24 Hour Phone # 505 748-3311

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
Charles Zyrack	[signature]	12	05	03

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
David Zarate	[signature]	12	05	03

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year

TCEQ-0311 (Rev. 09/01/02) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

DuraTherm, Inc.

Land Disposal Notification Form

Generator Name NAVAJO Refining Co. EPA ID No. NMD048918817

DuraTherm, Inc. Waste Profile No. DT020131 Manifest No. 48476

Identified below are the EPA hazardous waste codes applicable to this waste shipment as defined by 40 CFR 261, including the applicable subcategory.

EPA Hazardous Waste Codes	Subcategory		Treatability Group	
	None	Description	Wastewater	Non Wastewater
F037, F038,		Waste Water Sludges		X
K050, K169		Contaminated Soil		

This waste must be managed in accordance with 40 CFR 268.7 as indicated below:

☒ Restricted waste requires treatment to applicable concentration based standards in 40 CFR 268.40

☐ Restricted waste requires treatment to applicable technology based standards in 40 CFR 268.42, 40 CFR 268.32 or RCRA 3004(d)

☐ Restricted waste requiring no further treatment – I certify under penalty of law that I have personnaly examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification and that the waste complies with the treatment standards specified in 40 CFR 268, Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA Section 3004(d). I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

☐ Restricted waste treated to performance standards - I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based on my inquiry of these individuals immediately responsible for obtaining this information. I believe that the treatment process has been operated and maintained properly so as to comply with the performance levels specified in 40 CFR Part 268, Subpart D, and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA Section 3004 (d) without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

☐ Restricted waste subject to a variance - This waste is subject to a variance under 40 CFR 268.6 or 40 CFR, Subpart C. Supporting documentation is ☐ Attached or ☐ On file at DuraTherm, Inc.

☐ *Non-restricted waste – not subject to 40 CFR 268 restrictions*

I hereby certify that the information submitted is true, correct and accurate to the best of my knowledge.

Charles Plymale (Name) _____ (Authorized Signature) Sr. Env. Specialist (Title) 12/5/03 (Date)

TEXAS COMMISSION ON
ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. N.M.D.9.4.8.9.1.8.8.1.7 | Manifest Document No. 95477

2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Navajo Refining, P.O. Box 159, Artesia, NM 88210

4. Generator's Phone (505) 748-3311

A. State Manifest Document Number: 334877

B. State Generator's ID:

5. Transporter 1 Company Name: Elmo Transports, Inc. | 6. US EPA ID Number: T.X.D.9.8.0.5.7.9.3.1

C. State Transporter's ID:

D. Transporter's Phone:

7. Transporter 2 Company Name | 8. US EPA ID Number

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address: Dura-Line, Inc., 7700 Ave. S., San Leon, TX 77539 | 10. US EPA ID Number: T.X.D.9.8.1.0.5.3.7.7.0

G. State Facility's ID: 361211

H. Facility's Phone: 281-339-1352

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
X	a. RQ, Hazardous waste, Solid, N.O.S., 9, NA3077, PG III (F037, F038, K050, K169)	001	CM	29860 Est.	P	OHS695H
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above: Pipeline # DT 020131

K. Handling Codes for Wastes Listed Above: OHS695H

15. Special Handling Instructions and Additional Information: 24 Hour Phone # 505-748-3311

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name: Charlie Plymale | Signature | Month 12 Day 05 Year 03

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials | Date

Printed/Typed Name: Gaylord Vaughan | Signature | Month 12 Day 05 Year 03

18. Transporter 2 Acknowledgement of Receipt of Materials | Date

Printed/Typed Name | Signature | Month . Day . Year .

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. | Date

Printed/Typed Name | Signature | Month . Day . Year .

TCEQ-0311 (Rev. 09/01/02) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

DuraTherm, Inc.

Land Disposal Notification Form

Generator Name NAVAJO Refining Co. EPA ID No. NMD048918817

DuraTherm, Inc. Waste Profile No. DT020131 Manifest No. 48477

Identified below are the EPA hazardous waste codes applicable to this waste shipment as defined by 40 CFR 261, including the applicable subcategory.

EPA Hazardous Waste Codes	Subcategory		Treatability Group	
	None	Description	Wastewater	Non Wastewater
F037, F038,		Waste Water Sludges		X
K050, K169		Contaminated Soil		

This waste must be managed in accordance with 40 CFR 268.7 as indicated below:

☒ Restricted waste requires treatment to applicable concentration based standards in 40 CFR 268.40

☐ Restricted waste requires treatment to applicable technology based standards in 40 CFR 268.42, 40 CFR 268.32 or RCRA 3004(d).

☐ Restricted waste requiring no further treatment – I certify under penalty of law that I have personnaly examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification and that the waste complies with the treatment standards specified in 40 CFR 268, Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA Section 3004(d). I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

☐ Restricted waste treated to performance standards - I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based on my inquiry of these individuals immediately responsible for obtaining this information. I believe that the treatment process has been operated and maintained properly so as to comply with the performance levels specified in 40 CFR Part 268, Subpart D, and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA Section 3004 (d) without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

☐ Restricted waste subject to a variance - This waste is subject to a variance under 40 CFR 268.6 or 40 CFR, Subpart C. Supporting documentation is ☐ Attached or ☐ On file at DuraTherm, Inc.

☐ Non-restricted waste – not subject to 40 CFR 268 restrictions

I hereby certify that the information submitted is true, correct and accurate to the best of my knowledge.

Charles Plymale		Sr. Env. Specialist	12/5/03
Name	Authorized Signature	Title	Date

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NMD048918817 | Manifest Document No. 98773 | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Navajo Refining Co, 501 E. Main, P.O. Box 159, Artesia, NM 88210

4. Generator's Phone (505) 748-3311

A. State Manifest Document Number: 3348475

B. State Generator's ID

5. Transporter 1 Company Name: Fluid Transports | 6. US EPA ID Number: TXD988057931

C. State Transporter's ID: 41380

D. Transporter's Phone: 1800...

7. Transporter 2 Company Name | 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address: DuraTherm, Inc, 2700 Ave S., San Leon, TX 77539 | 10. US EPA ID Number: TXD981053770

G. State Facility's ID: 34814

H. Facility's Phone: 281-339-1352

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
X	a. RQ, Hazardous Waste, Solid, N.O.S., 9, NA3077, PG III (F037, F038, K048, K169)	001	CM	55. 31200	P	[illegible]
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above: Profile # DT02013.1

K. Handling Codes for Wastes Listed Above: 01 H15, 95 H

15. Special Handling Instructions and Additional Information
24 Hour Phone # 505 748-3311

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Charles Thrash | Signature: [signature] | Month Day Year: 12 05 03

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Miguel A Gomez | Signature: [signature] | Date Month Day Year: 12 05 03

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Date Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name | Signature | Date Month Day Year

GENERATOR / TRANSPORTER / FACILITY

DuraTherm, Inc.

Land Disposal Notification Form

Generator Name NAVAJO Refining Co. EPA ID No. NMD048918817

DuraTherm, Inc. Waste Profile No. DT020131 Manifest No. 48475

Identified below are the EPA hazardous waste codes applicable to this waste shipment as defined by 40 CFR 261, including the applicable subcategory.

EPA Hazardous Waste Codes	Subcategory		Treatability Group	
	None	Description	Wastewater	Non Wastewater
F037, F038,		Waste Water Sludges		X
K050, K169		Contaminated Soil		

This waste must be managed in accordance with 40 CFR 268.7 as indicated below:

☒ Restricted waste requires treatment to applicable concentration based standards in 40 CFR 268.40

☐ Restricted waste requires treatment to applicable technology based standards in 40 CFR 268.42, 40 CFR 268.32 or RCRA 3004(d)

☐ Restricted waste requiring no further treatment – I certify under penalty of law that I have personnaly examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification and that the waste complies with the treatment standards specified in 40 CFR 268, Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA Section 3004(d). I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

☐ Restricted waste treated to performance standards - I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based on my inquiry of these individuals immediately responsible for obtaining this information. I believe that the treatment process has been operated and maintained properly so as to comply with the performance levels specified in 40 CFR Part 268, Subpart D, and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA Section 3004 (d) without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

☐ Restricted waste subject to a variance - This waste is subject to a variance under 40 CFR 268.6 or 40 CFR, Subpart C. Supporting documentation is ☐ Attached or ☐ On file at DuraTherm, Inc.

☐ *Non-restricted waste – not subject to 40 CFR 268 restrictions*

I hereby certify that the information submitted is true, correct and accurate to the best of my knowledge.

Charles Plymale		Sr. Env. Specialist	12/5/03
Name	Authorized Signature	Title	Date

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NMD048918817 — Manifest Document No.: 48474
2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

A. State Manifest Document Number: 3348474

3. Generator's Name and Mailing Address: Navajo Refining Co., P.O. Box 159, Artesia, NM 88210

B. State Generator's ID

4. Generator's Phone (505) 748-3311

5. Transporter 1 Company Name: Fluid Transports
6. US EPA ID Number: TXD988057931

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name
8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address: Duratherm, Inc., 2700 Ave. S, San Leon, TX 77539
10. US EPA ID Number: TXD ~~09810537~~ 981053770

G. State Facility's ID: 34814

H. Facility's Phone: 281-339-1352

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
X	a. RQ, HAZARDOUS Waste, Solid, N.O.S., 9, NA 3077, PG III (F037, F038, K050, K169)	001	CM	Est. 31000	P	OWS695H
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above: Profile # DT 020131

K. Handling Codes for Wastes Listed Above: OWS695H

15. Special Handling Instructions and Additional Information
24 Hour Phone # 505 748-3311

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month Day Year
Charles Mynak	[signature]	12 05 03

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)
DAVID TRENGY	[signature]	12 05 03

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)

19. Discrepancy Indication Space
Line 10 corrected EPA id #. [initials]

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Date (Month Day Year)

DuraTherm, Inc.

Land Disposal Notification Form

Generator Name NAVAJO Refining Co. EPA ID No. NMD048918817

DuraTherm, Inc. Waste Profile No. DT020131 Manifest No. 48474

Identified below are the EPA hazardous waste codes applicable to this waste shipment as defined by 40 CFR 261, including the applicable subcategory.

EPA Hazardous Waste Codes	Subcategory		Treatability Group	
	None	Description	Wastewater	Non Wastewater
F037, F038,		Waste Water Sludges		X
K050, K169		Contaminated Soil		

This waste must be managed in accordance with 40 CFR 268.7 as indicated below:

☒ Restricted waste requires treatment to applicable concentration based standards in 40 CFR 268.40

☐ Restricted waste requires treatment to applicable technology based standards in 40 CFR 268.42, 40 CFR 268.32 or RCRA 3004(d)

☐ Restricted waste requiring no further treatment – I certify under penalty of law that I have personnaly examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification and that the waste complies with the treatment standards specified in 40 CFR 268, Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA Section 3004(d). I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

☐ Restricted waste treated to performance standards - I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based on my inquiry of these individuals immediately responsible for obtaining this information. I believe that the treatment process has been operated and maintained properly so as to comply with the performance levels specified in 40 CFR Part 268, Subpart D, and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA Section 3004 (d) without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

☐ Restricted waste subject to a variance - This waste is subject to a variance under 40 CFR 268.6 or 40 CFR, Subpart C. Supporting documentation is ☐ Attached or ☐ On file at DuraTherm, Inc.

☐ *Non-restricted waste – not subject to 40 CFR 268 restrictions*

I hereby certify that the information submitted is true, correct and accurate to the best of my knowledge.

Charles Plymale		Sr. Env. Specialist	12/5/03
Name	Authorized Signature	Title	Date

OCD FILES

35MM DRAWINGS

NM 1 - 6

FILE NUMBER

GENERAL CORRESPONDENCE

DOCUMENT TYPE

2004

1

NO OF DWGS

5

BOX